

Data File : VW013851.D
Acq On : 31 Oct 2019 11:29
Operator : SY/VA
Sample : VSTD02514
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

Quant Time: Oct 31 12:00:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 31 10:08:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	312561	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	306839	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	187678	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	124783	32.54	ug/L	0.00
7) Chloroethane-d5	2.89	69	100115	27.97	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	249144	29.42	ug/L	0.00
20) 2-Butanone-d5	7.07	46	94722	69.06	ug/L	0.00
24) Chloroform-d	7.65	84	259700	29.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	139864	30.58	ug/L	0.00
29) Benzene-d6	8.27	84	546238	29.63	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	161967	29.42	ug/L	0.00
37) Toluene-d8	10.32	98	521331	30.66	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	75782	30.51	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	78735	74.81	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	147075	32.61	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	196670	29.65	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	77963	22.176	ug/L	94
3) Chloromethane	2.21	50	82609	21.707	ug/L	98
5) Vinyl chloride	2.36	62	129425	27.214	ug/L	98
6) Bromomethane	2.78	94	80601	23.455	ug/L	100
8) Chloroethane	2.92	64	74613	23.216	ug/L	100
9) Trichlorofluoromethane	3.25	101	58827	18.352	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	128555	25.469	ug/L	98
12) 1,1-Dichloroethene	4.04	96	132383	26.650	ug/L #	86
13) Acetone	4.12	43	66993	44.008	ug/L	94
14) Carbon disulfide	4.39	76	379414	26.693	ug/L	98
15) Methyl Acetate	4.67	43	73652	29.610	ug/L	100
16) Methylene chloride	4.92	84	135111	22.574	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	167933	24.433	ug/L #	88
18) trans-1,2-Dichloroethene	5.42	96	137272	24.998	ug/L	92
19) 1,1-Dichloroethane	6.21	63	232892	25.056	ug/L	98
21) 2-Butanone	7.17	43	104124	53.871	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	146774	24.901	ug/L	99
23) Bromochloromethane	7.51	128	68772	25.814	ug/L	94
25) Chloroform	7.67	83	232074	24.856	ug/L	100
27) 1,2-Dichloroethane	8.40	62	155436	25.974	ug/L	97
30) Cyclohexane	7.95	56	234795	26.120	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	180986	25.289	ug/L	99
32) Carbon tetrachloride	8.07	117	180016	25.832	ug/L	100
34) Benzene	8.32	78	548530	24.915	ug/L	100
35) Trichloroethene	9.09	95	143846	25.466	ug/L	99
36) Methylcyclohexane	9.34	83	256919	25.805	ug/L	100
40) 1,2-Dichloropropane	9.37	63	132649	24.642	ug/L	99
41) Bromodichloromethane	9.65	83	169203	25.653	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	217333	25.572	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	210311	57.263	ug/L	99

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VSTD02506

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Quant Title : VOC Analysis
QLast Update : Thu Oct 31 10:08:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	598131	25.287	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	178500	26.019	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	107449	25.881	ug/L	98
47) Tetrachloroethene	10.86	164	127826	24.722	ug/L	98
49) 2-Hexanone	10.97	43	148506	56.996	ug/L	98
50) Dibromochloromethane	11.13	129	127813	26.086	ug/L	98
51) 1,2-Dibromoethane	11.23	107	107730	26.684	ug/L	95
52) Chlorobenzene	11.66	112	375210	24.792	ug/L	99
53) Ethylbenzene	11.73	91	661884	25.326	ug/L	99
54) m,p-Xylene	11.83	106	259090	25.654	ug/L	99
55) o-xylene	12.16	106	244134	25.473	ug/L	97
56) Styrene	12.18	104	421254	25.694	ug/L	99
57) Isopropylbenzene	12.46	105	654537	25.461	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	137222	28.200	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	103494	28.521	ug/L	99
62) Bromoform	12.35	173	83833	26.064	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	313853	24.645	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	314551	24.580	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	288414	24.996	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	22435	28.288	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	247370	26.129	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	203299	25.294	ug/L	99
69) Naphthalene	15.36	128	403948	27.736	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	185133	25.721	ug/L	99

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

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Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

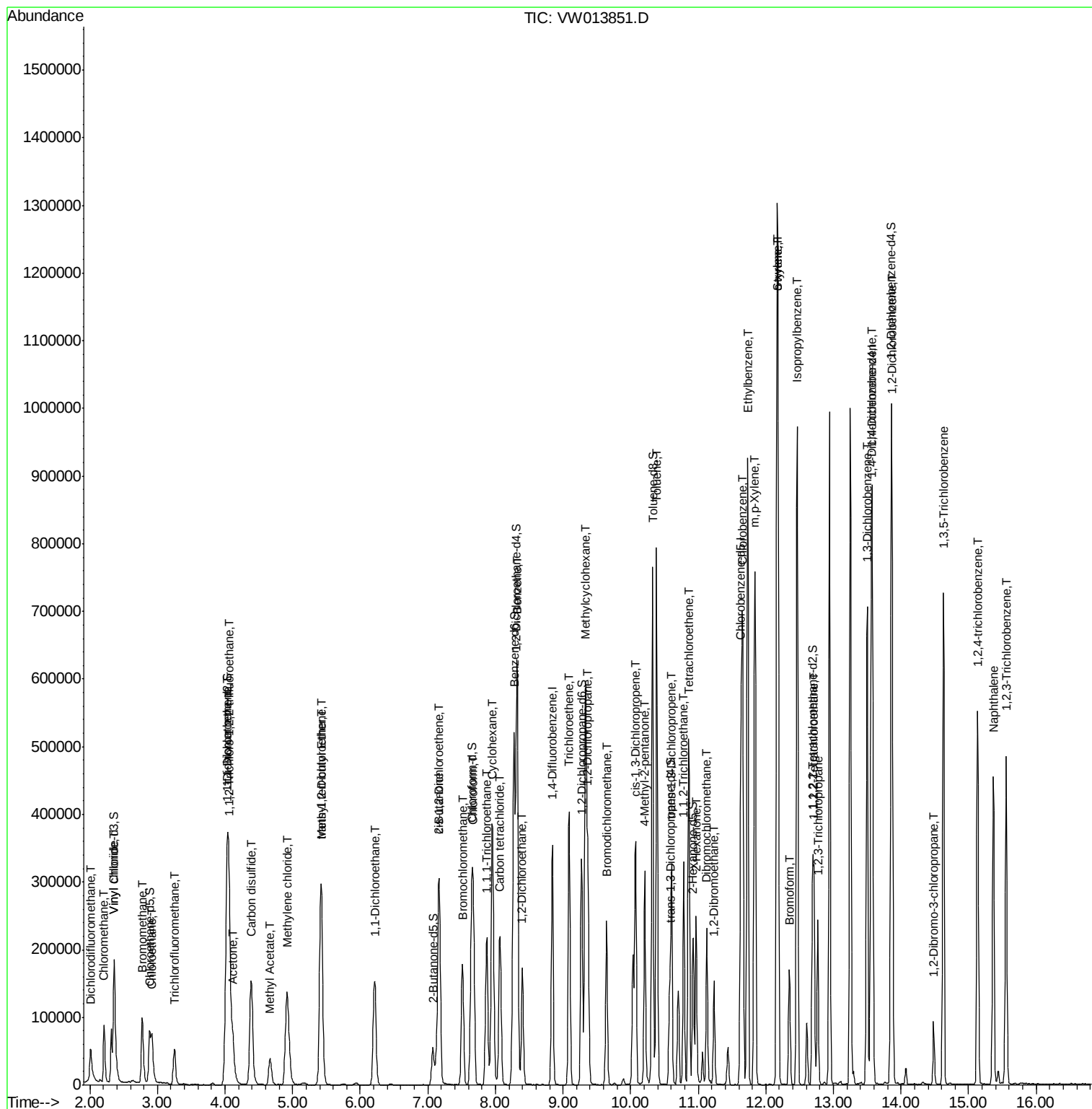
Quant Time: Oct 31 12:00:36 2019

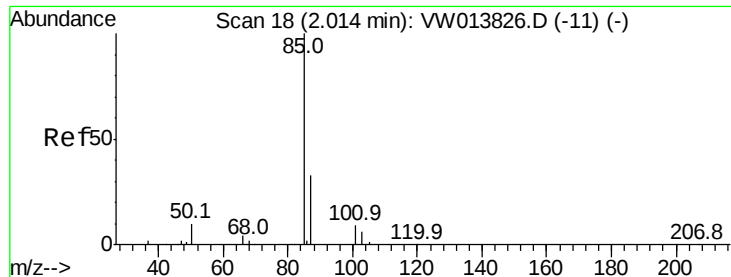
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M

Quant Title : VOC Analysis

QLast Update : Thu Oct 31 10:08:42 2019

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#2

Dichlorodifluoromethane

Concen: 22.176 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

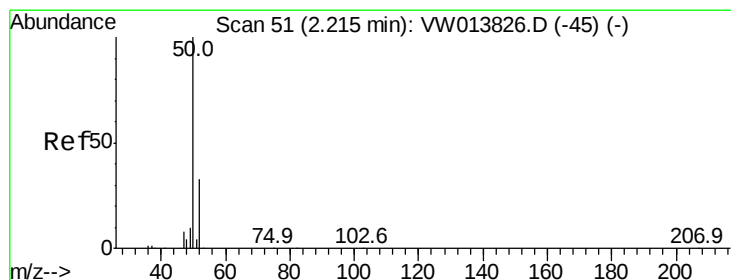
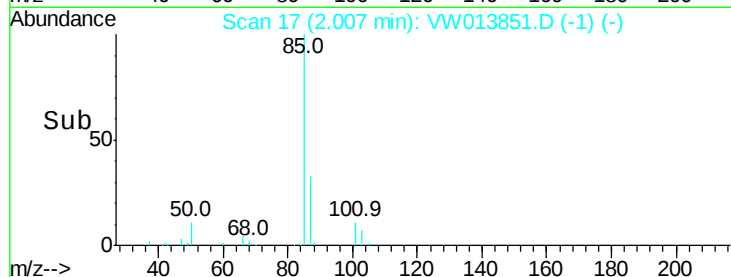
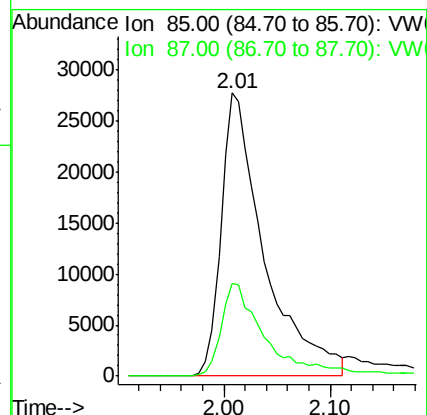
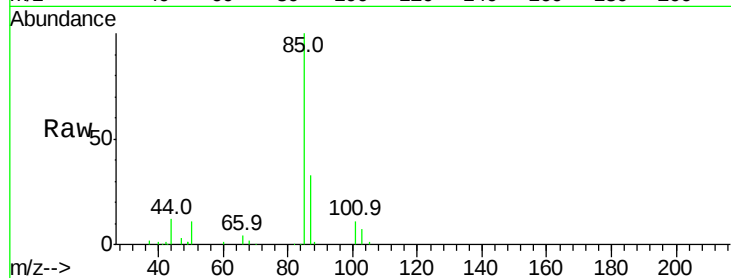
VSTD02506

Tgt Ion: 85 Resp: 77963

Ion Ratio Lower Upper

85 100

87 32.1 20.2 37.4



#3

Chloromethane

Concen: 21.707 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW013851.D

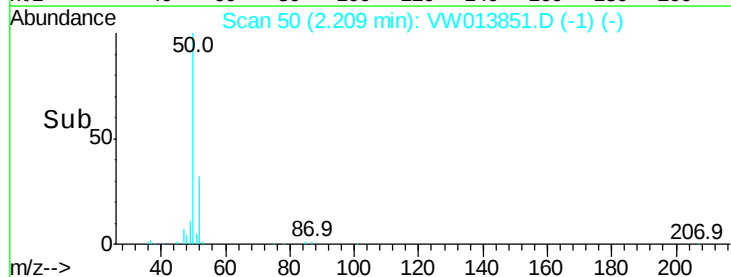
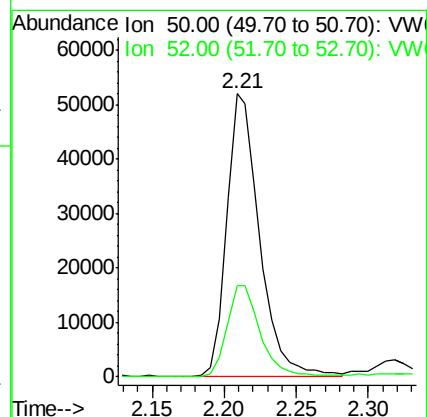
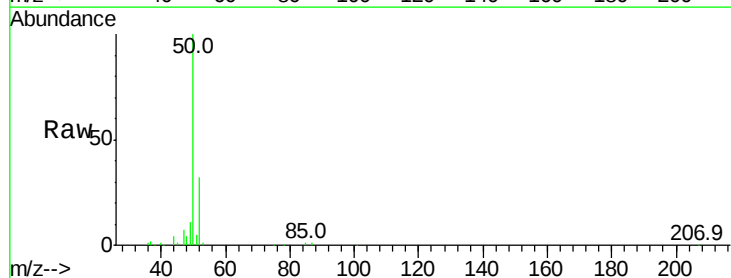
Acq: 31 Oct 2019 11:29

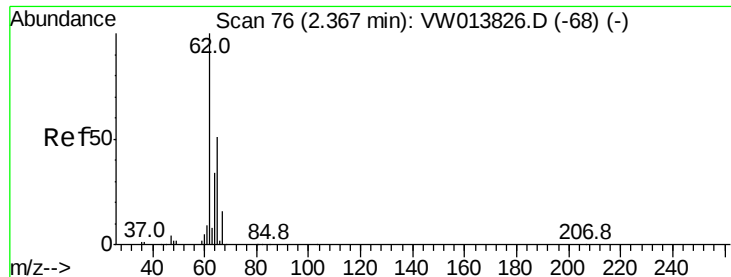
Tgt Ion: 50 Resp: 82609

Ion Ratio Lower Upper

50 100

52 32.2 23.3 43.3





#5

Vinyl chloride

Concen: 27.214 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

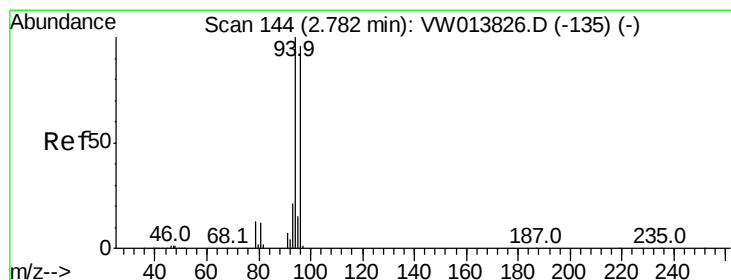
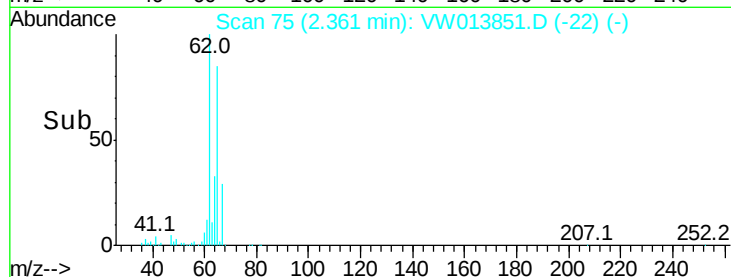
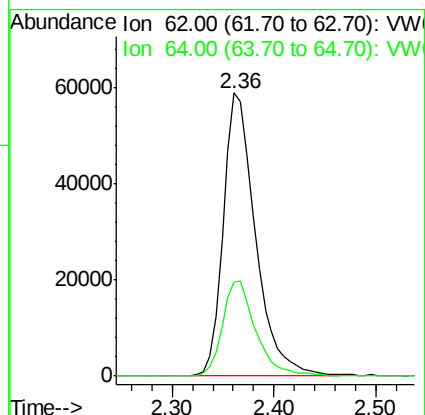
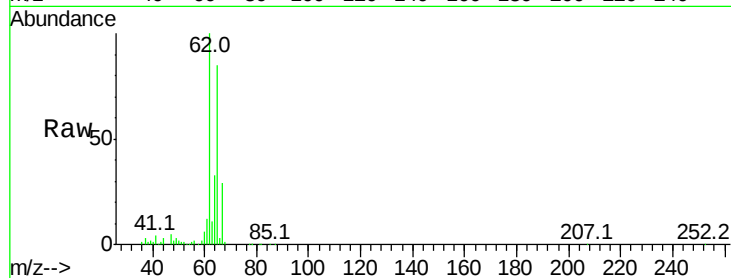
VSTD02506

Tgt Ion: 62 Resp: 129425

Ion Ratio Lower Upper

62 100

64 33.3 23.9 44.5



#6

Bromomethane

Concen: 23.455 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013851.D

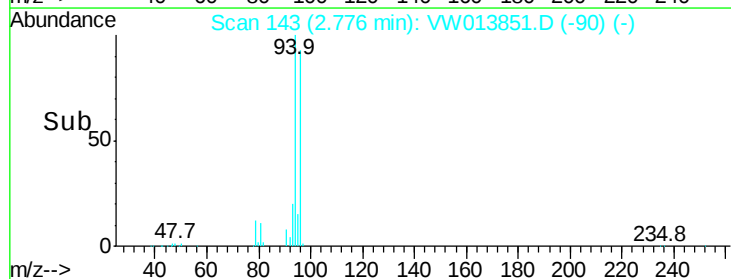
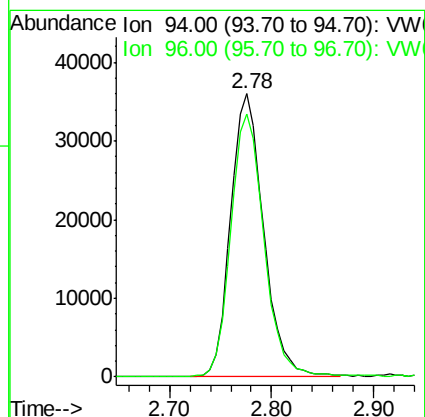
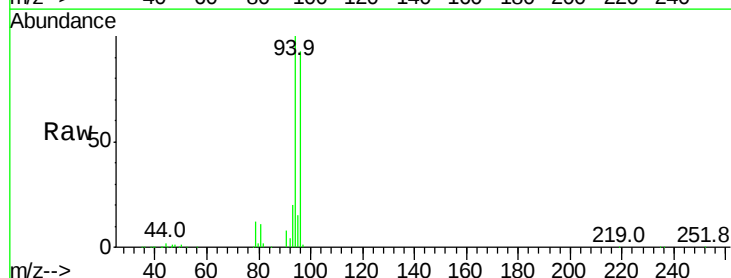
Acq: 31 Oct 2019 11:29

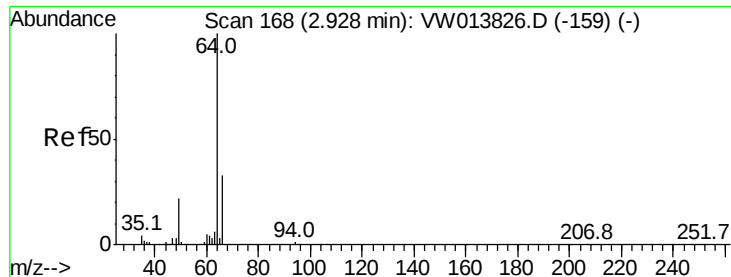
Tgt Ion: 94 Resp: 80601

Ion Ratio Lower Upper

94 100

96 93.3 9.3 176.9





#8

Chloroethane

Concen: 23.216 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

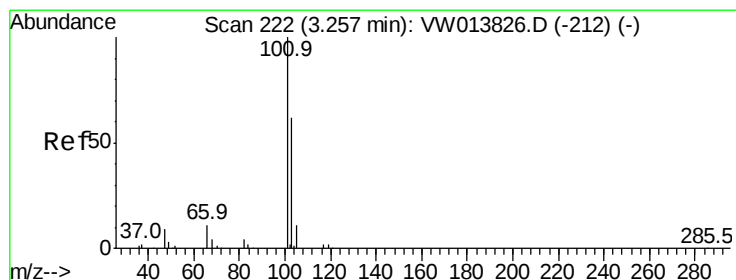
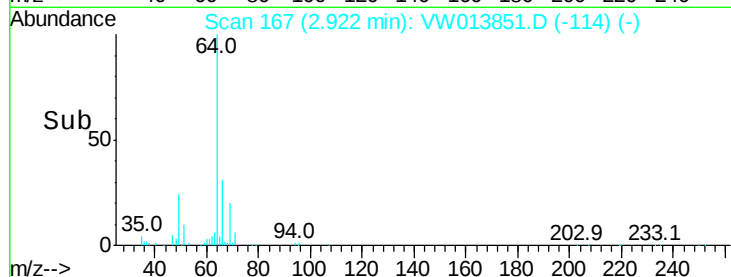
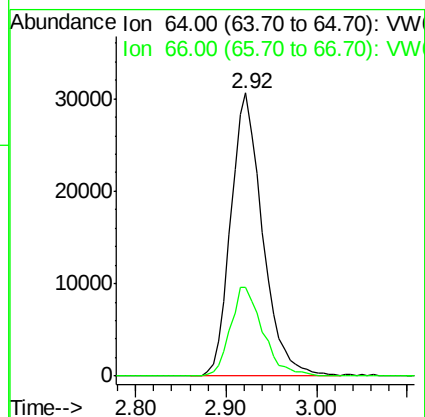
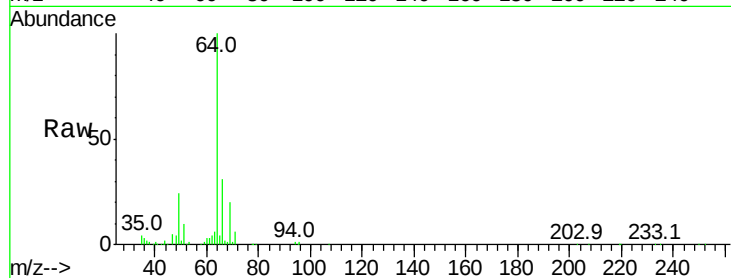
VSTD02506

Tgt Ion: 64 Resp: 74613

Ion Ratio Lower Upper

64 100

66 31.5 22.2 41.2



#9

Trichlorofluoromethane

Concen: 18.352 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013851.D

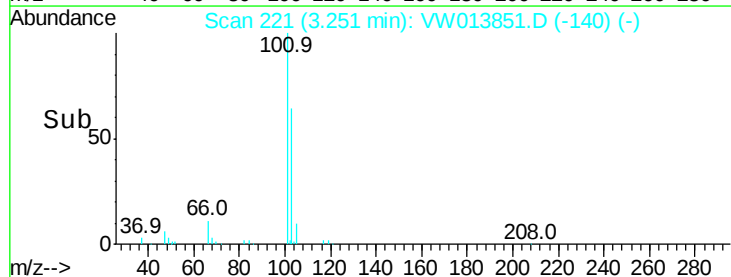
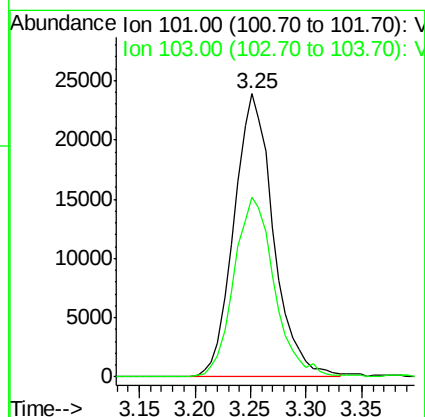
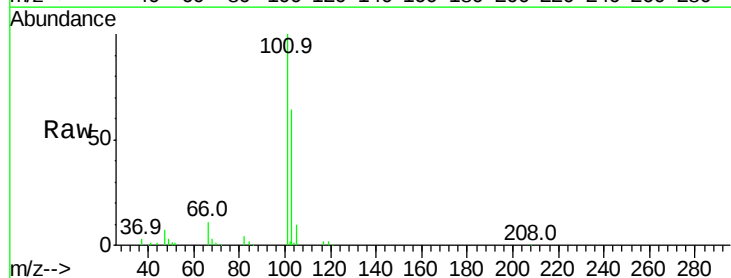
Acq: 31 Oct 2019 11:29

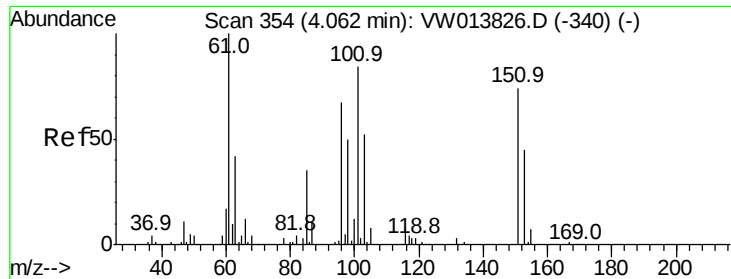
Tgt Ion: 101 Resp: 58827

Ion Ratio Lower Upper

101 100

103 65.4 46.5 86.5





#11

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

Concen: 25.469 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

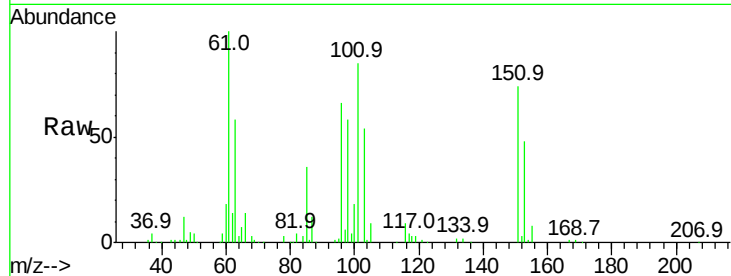
Tgt Ion:101 Resp: 128555

Ion Ratio Lower Upper

101 100

85 40.7 32.0 48.0

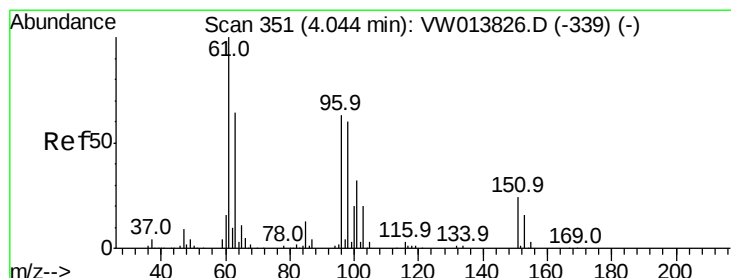
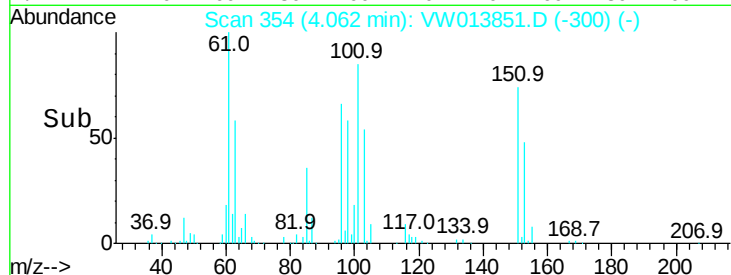
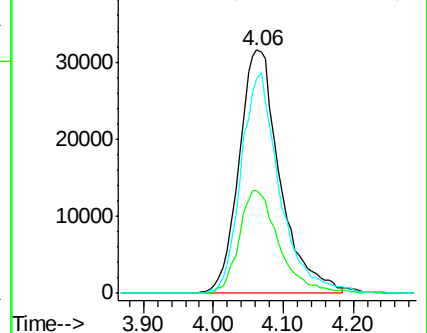
151 85.3 66.9 100.3



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: 26.650 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

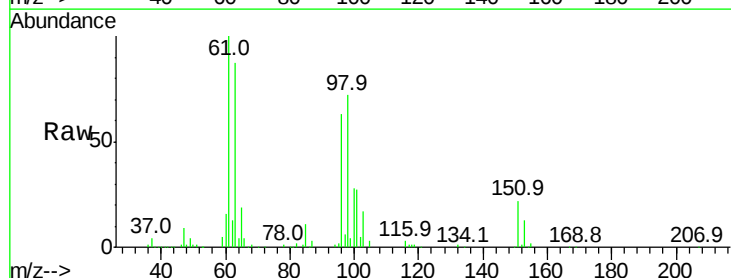
Tgt Ion: 96 Resp: 132383

Ion Ratio Lower Upper

96 100

61 157.7 112.7 209.3

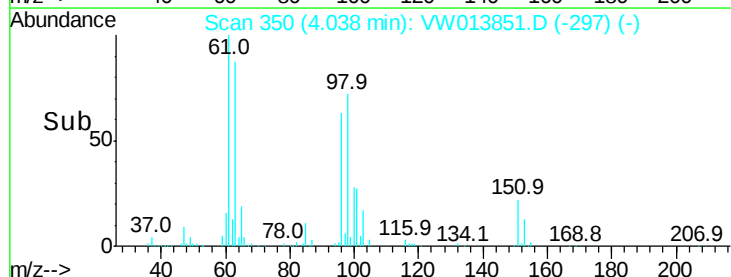
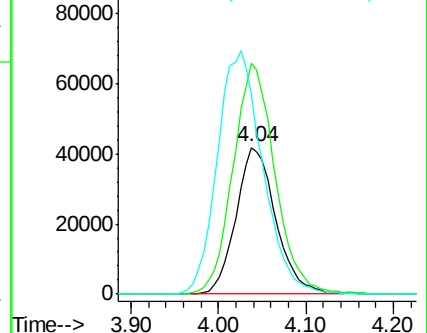
63 136.4 72.8 135.2#

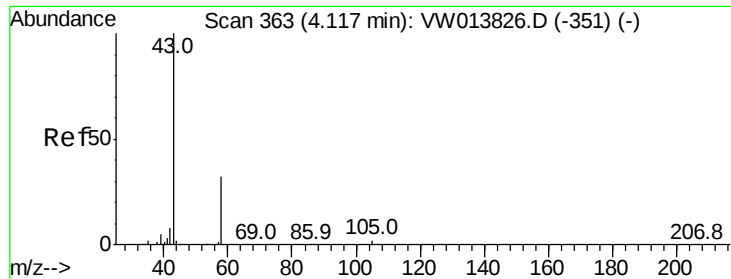


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.008 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Instrument :

MSVOA_W

ClientSampled :

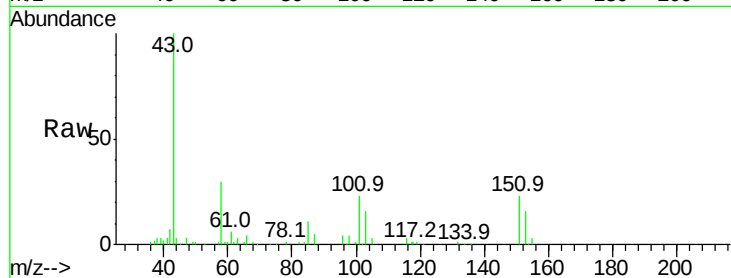
VSTD02506

Tgt Ion: 43 Resp: 66993

Ion Ratio Lower Upper

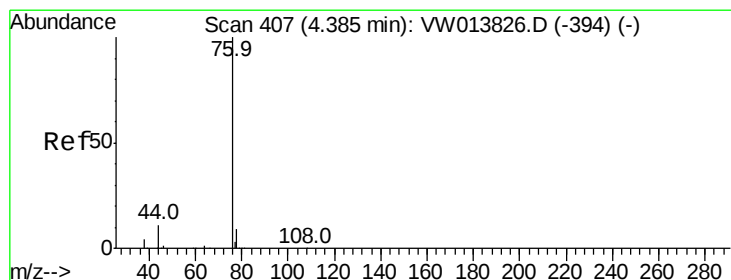
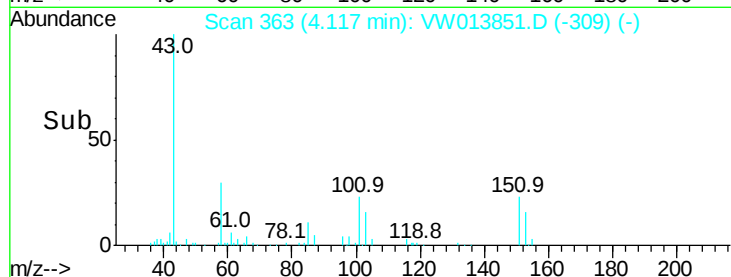
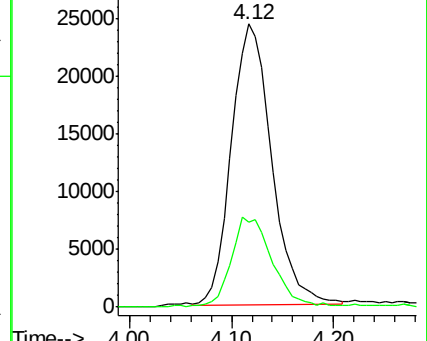
43 100

58 31.7 0.0 70.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 26.693 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013851.D

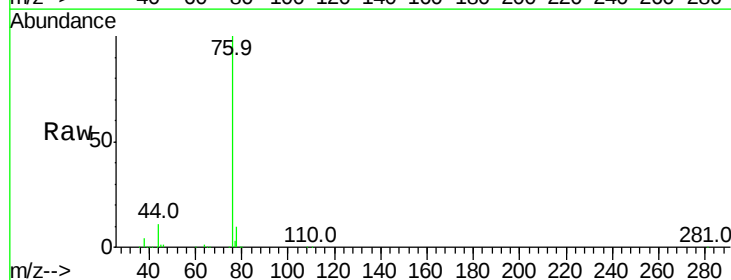
Acq: 31 Oct 2019 11:29

Tgt Ion: 76 Resp: 379414

Ion Ratio Lower Upper

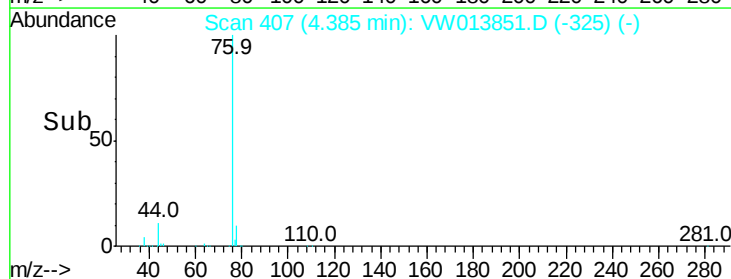
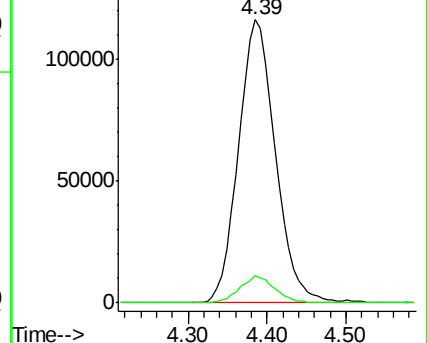
76 100

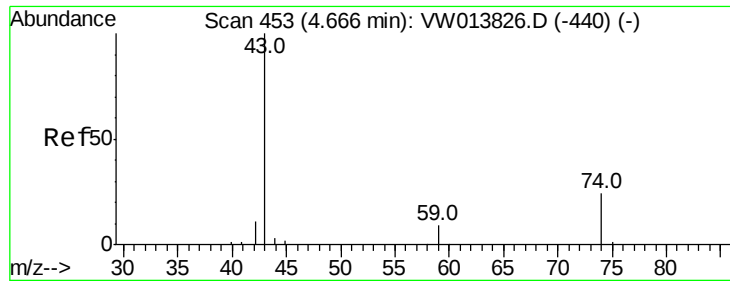
78 9.7 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

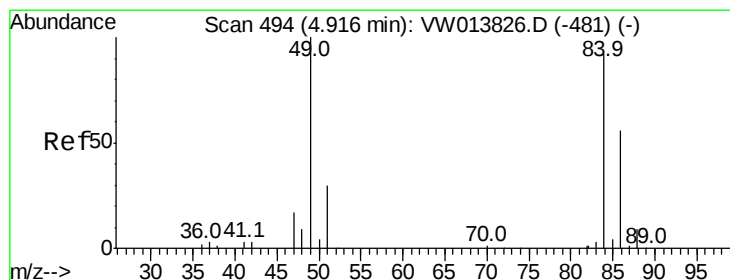
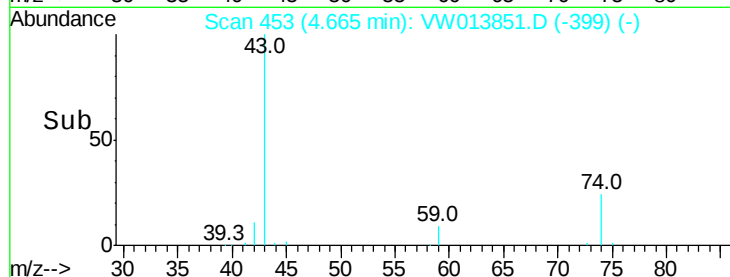
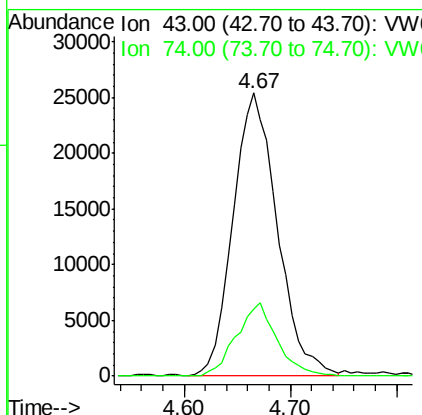
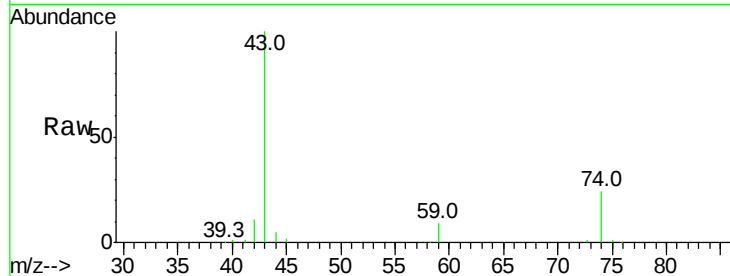




#15
Methyl Acetate
Concen: 29.610 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013851.D
Acq: 31 Oct 2019 11:29

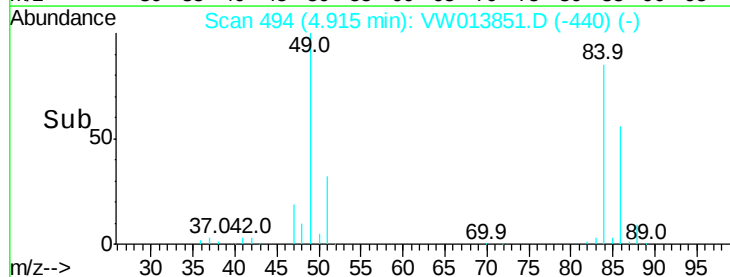
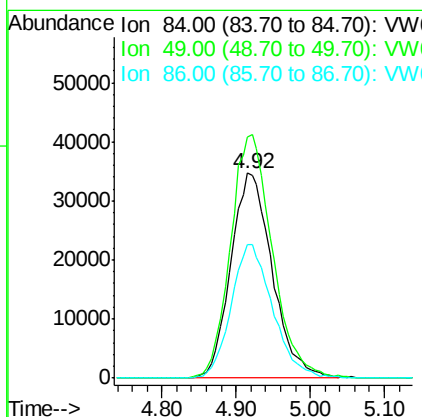
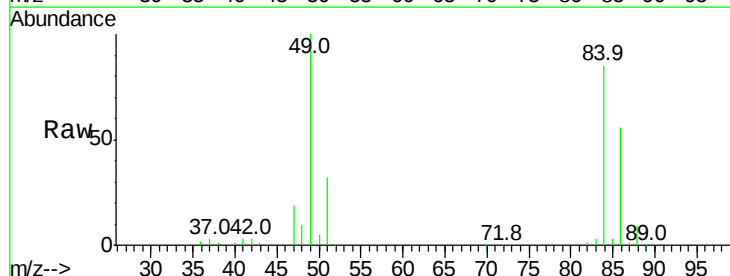
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

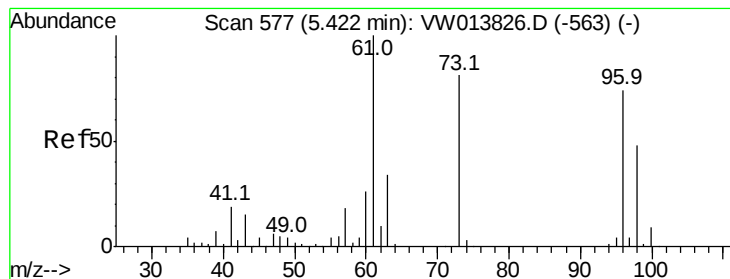
Tgt Ion: 43 Resp: 73652
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8



#16
Methylene chloride
Concen: 22.574 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW013851.D
Acq: 31 Oct 2019 11:29

Tgt Ion: 84 Resp: 135111
Ion Ratio Lower Upper
84 100
49 117.4 80.2 148.9
86 65.2 42.7 79.3





#17

Methyl tert-butyl Ether

Concen: 24.433 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

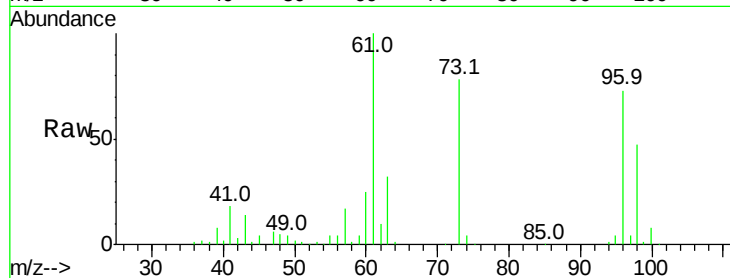
Tgt Ion: 73 Resp: 167933

Ion Ratio Lower Upper

73 100

43 19.1 15.4 23.2

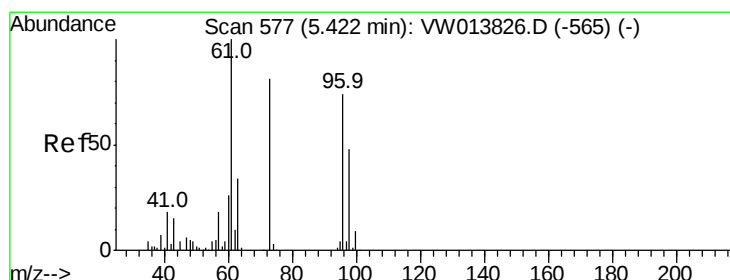
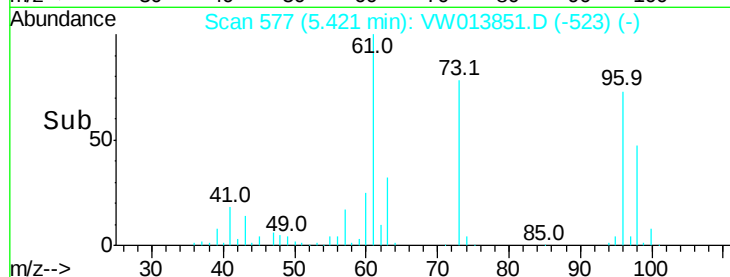
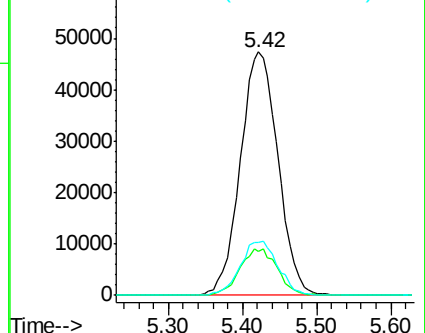
57 11.8 17.7 26.5#



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: 24.998 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

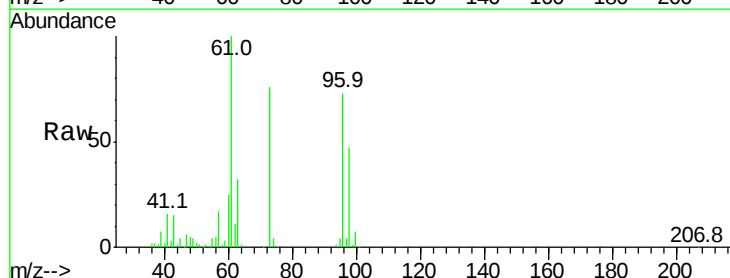
Tgt Ion: 96 Resp: 137272

Ion Ratio Lower Upper

96 100

61 136.5 88.4 164.2

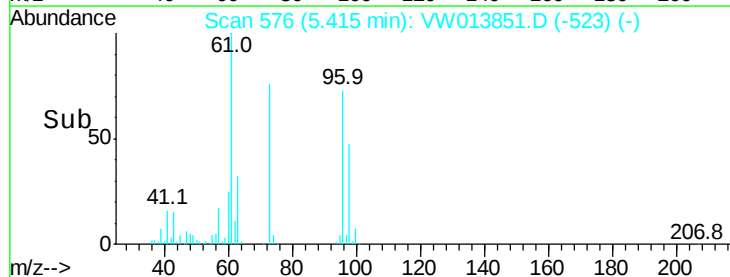
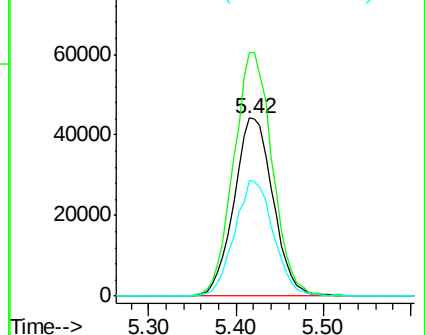
98 64.9 43.0 79.8

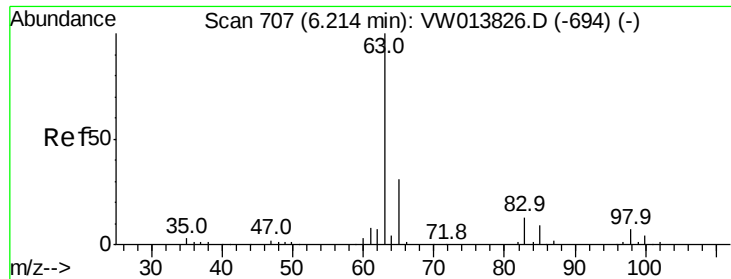


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

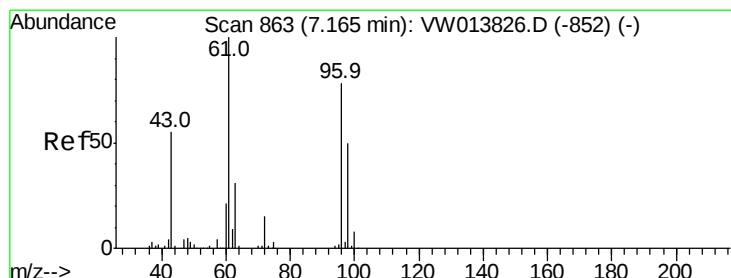
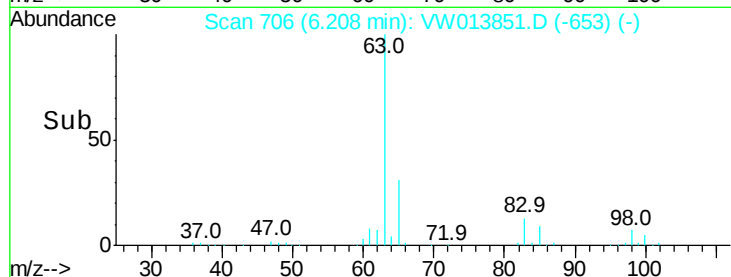
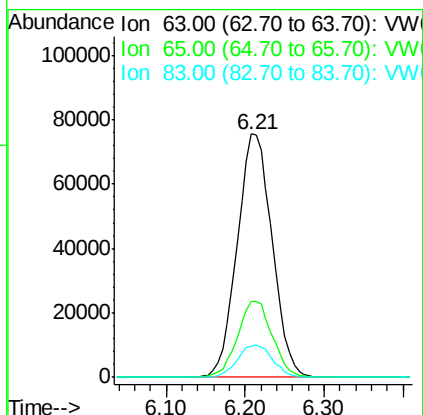
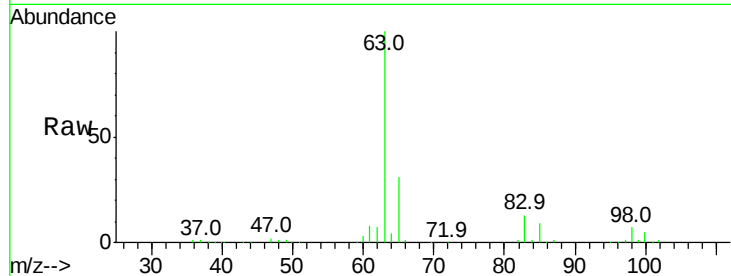




#19
 1,1-Dichloroethane
 Concen: 25.056 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013851.D
 Acq: 31 Oct 2019 11:29

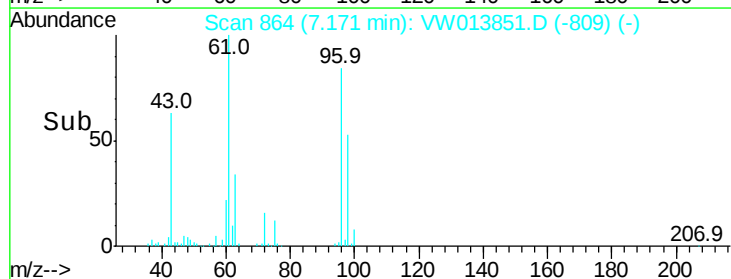
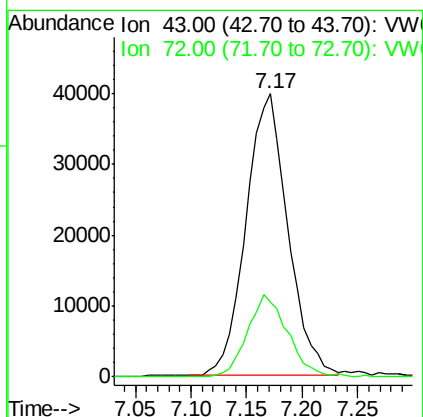
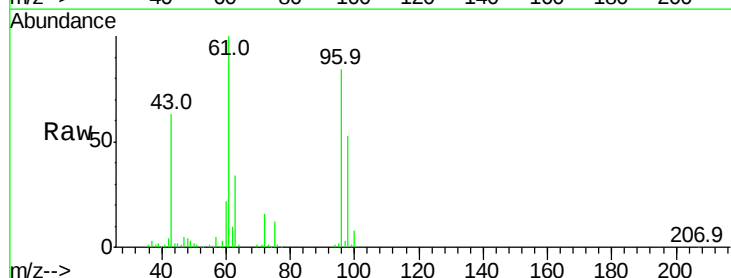
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

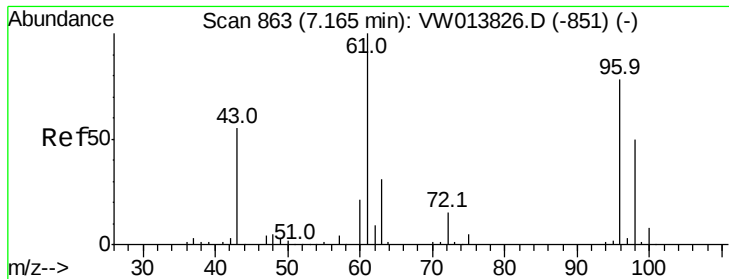
Tgt Ion: 63 Resp: 232892
 Ion Ratio Lower Upper
 63 100
 65 31.4 20.9 38.7
 83 13.0 9.2 17.2



#21
 2-Butanone
 Concen: 53.871 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013851.D
 Acq: 31 Oct 2019 11:29

Tgt Ion: 43 Resp: 104124
 Ion Ratio Lower Upper
 43 100
 72 27.9 13.7 41.1



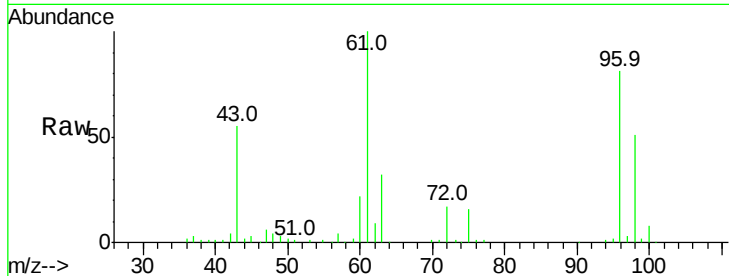


#22

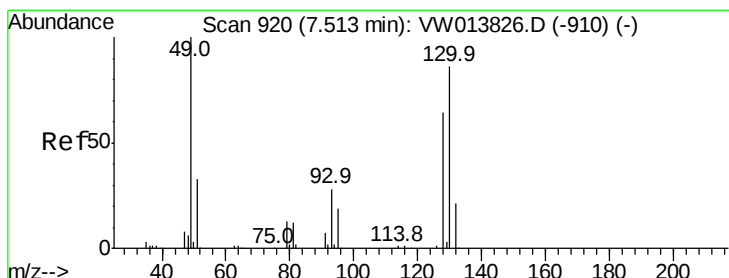
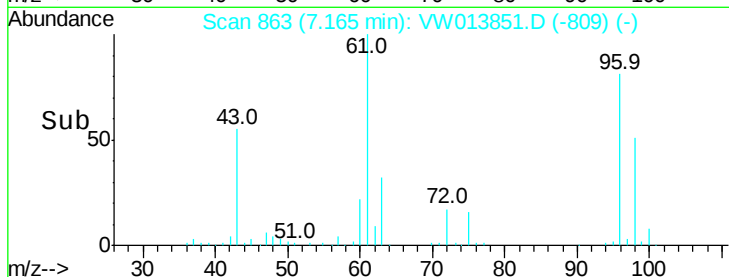
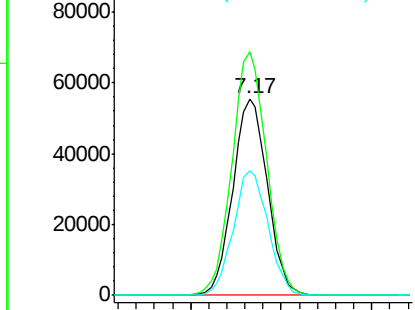
cis-1,2-Dichloroethene
Concen: 24.901 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013851.D
Acq: 31 Oct 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

Tgt Ion: 96 Resp: 146774
Ion Ratio Lower Upper
96 100
61 123.7 86.2 160.0
98 63.6 43.0 79.8



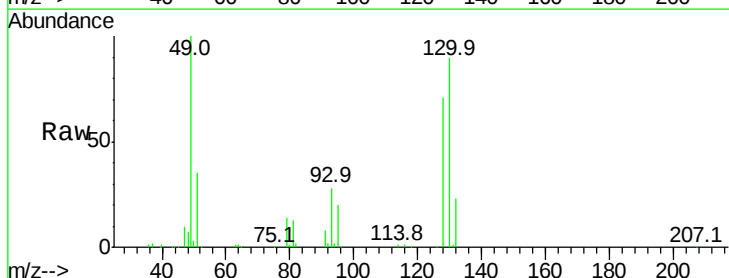
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



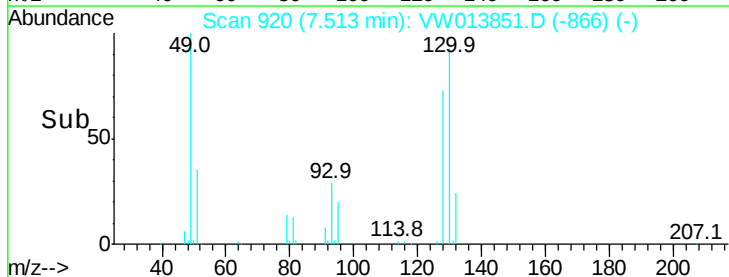
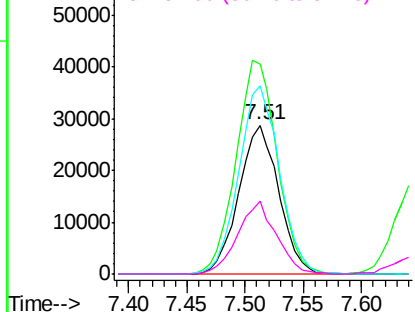
#23

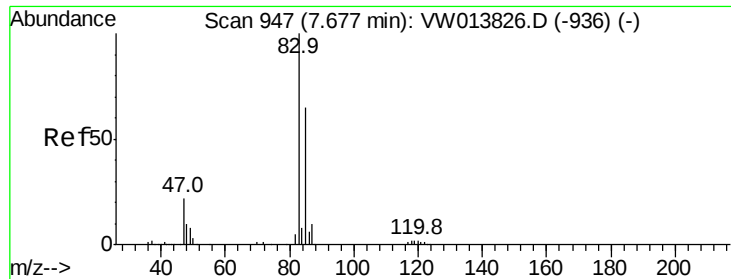
Bromochloromethane
Concen: 25.814 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013851.D
Acq: 31 Oct 2019 11:29

Tgt Ion: 128 Resp: 68772
Ion Ratio Lower Upper
128 100
49 141.6 106.3 197.3
130 126.8 93.2 173.2
51 49.5 37.4 56.0



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: 24.856 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Instrument :

MSVOA_W

ClientSampled :

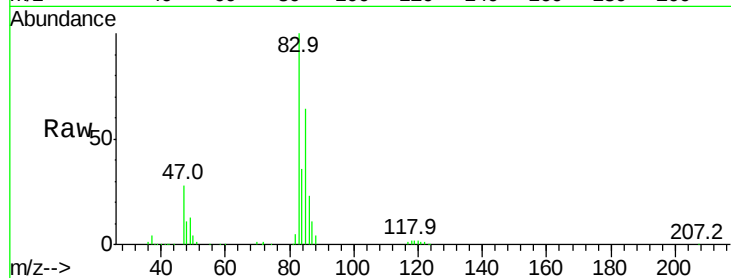
VSTD02506

Tgt Ion: 83 Resp: 232074

Ion Ratio Lower Upper

83 100

85 66.0 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.67

100000

80000

60000

40000

20000

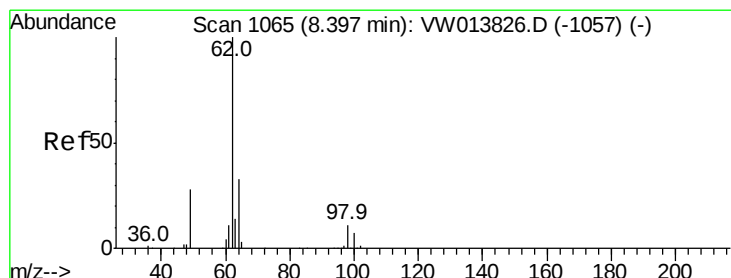
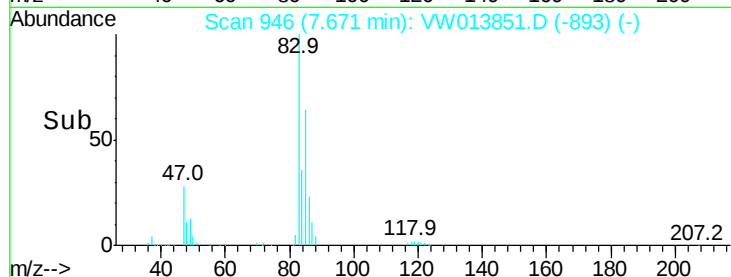
0

Time-->

7.60

7.70

7.80



#27

1,2-Dichloroethane

Concen: 25.974 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013851.D

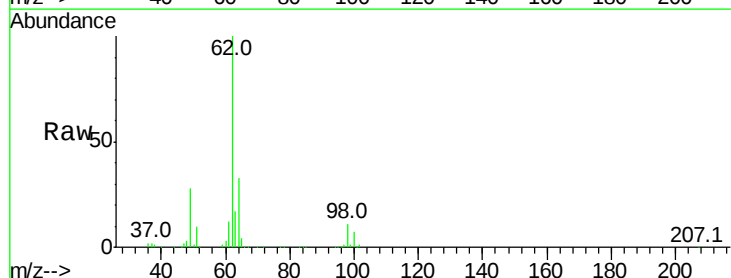
Acq: 31 Oct 2019 11:29

Tgt Ion: 62 Resp: 155436

Ion Ratio Lower Upper

62 100

98 10.7 9.6 14.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

80000

60000

40000

20000

0

Time-->

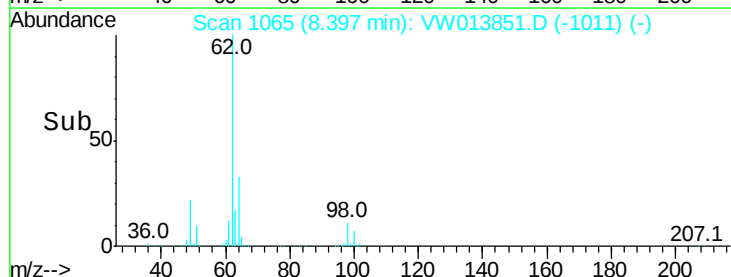
8.30

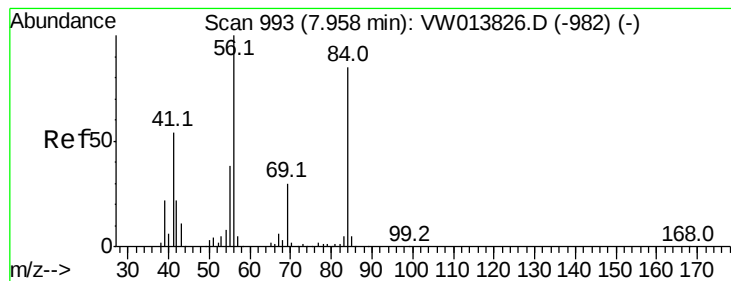
8.35

8.40

8.45

8.50





#30

Cyclohexane

Concen: 26.120 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

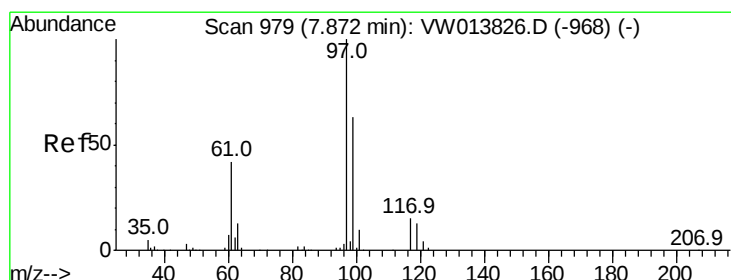
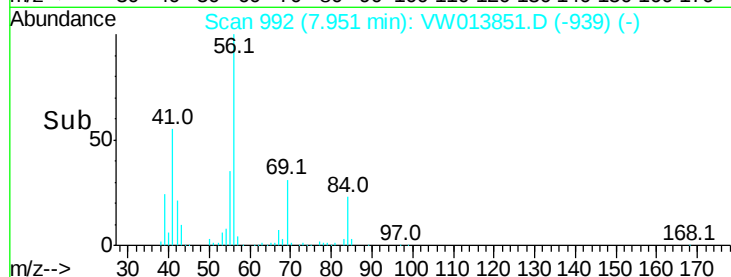
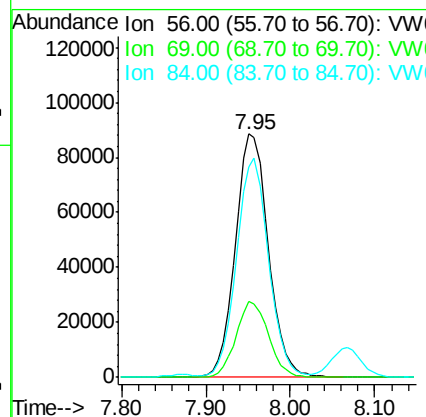
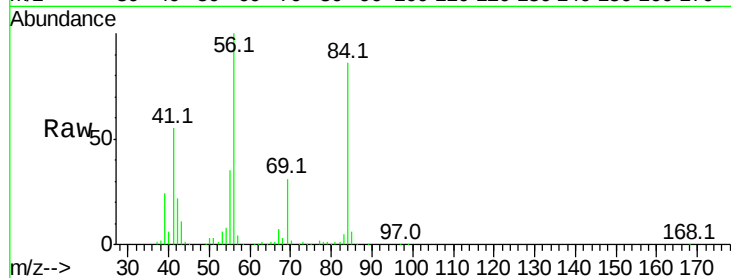
Tgt Ion: 56 Resp: 234795

Ion Ratio Lower Upper

56 100

69 30.7 24.6 37.0

84 87.8 71.1 106.7



#31

1,1,1-Trichloroethane

Concen: 25.289 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

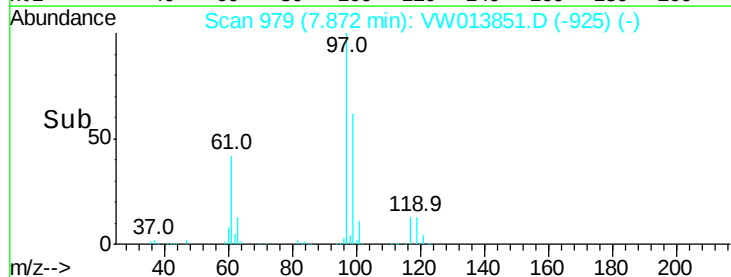
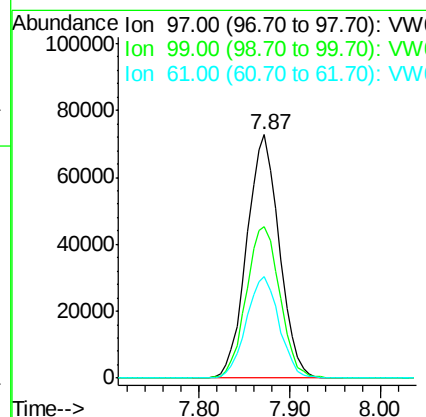
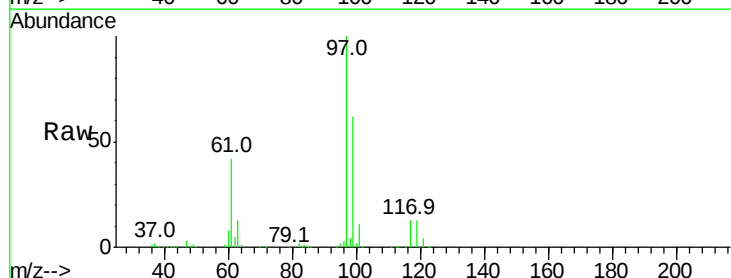
Tgt Ion: 97 Resp: 180986

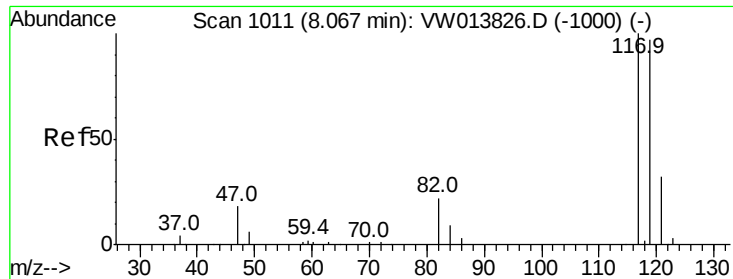
Ion Ratio Lower Upper

97 100

99 64.1 51.7 77.5

61 42.0 33.8 50.8





#32

Carbon tetrachloride

Concen: 25.832 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

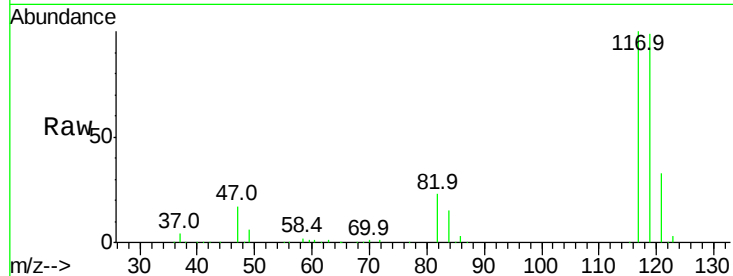
VSTD02506

Tgt Ion:117 Resp: 180016

Ion Ratio Lower Upper

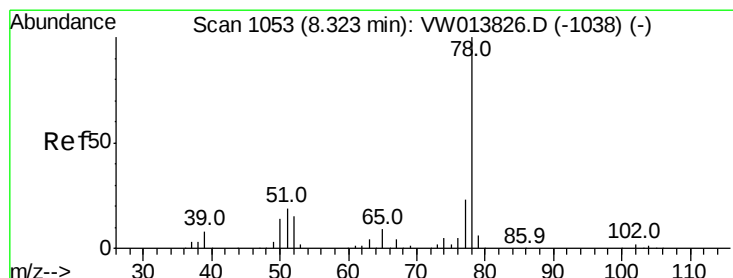
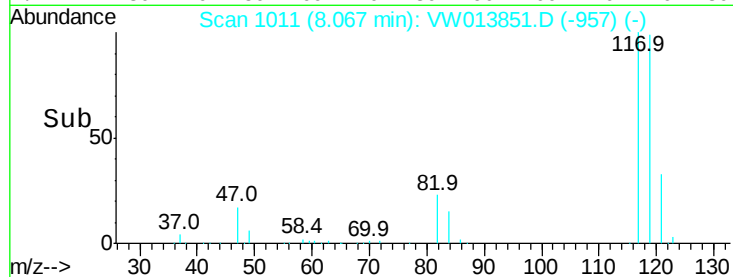
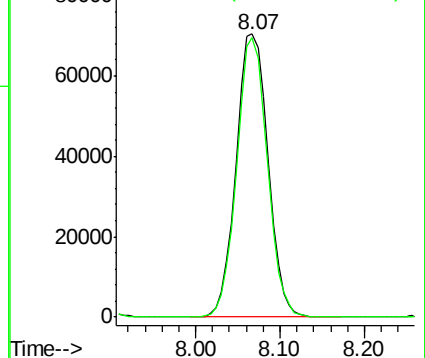
117 100

119 94.7 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.915 ug/L

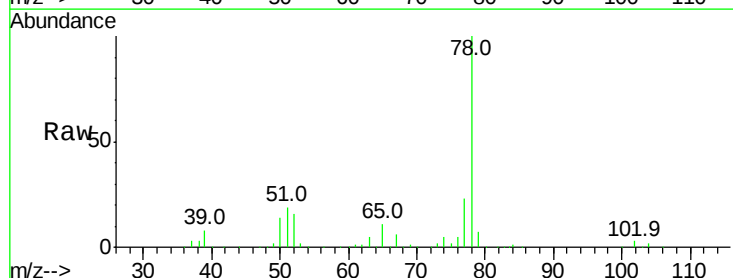
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

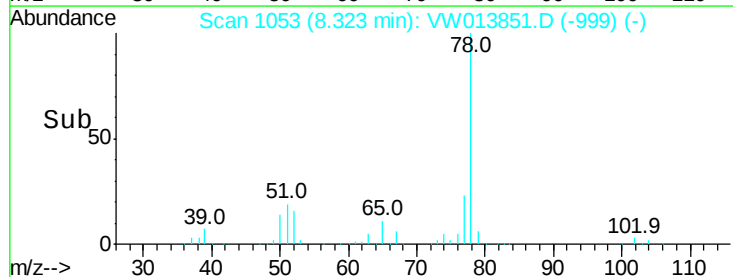
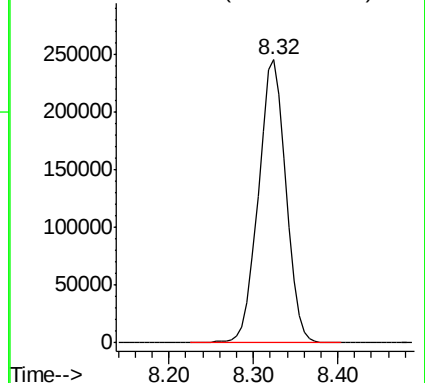
Lab File: VW013851.D

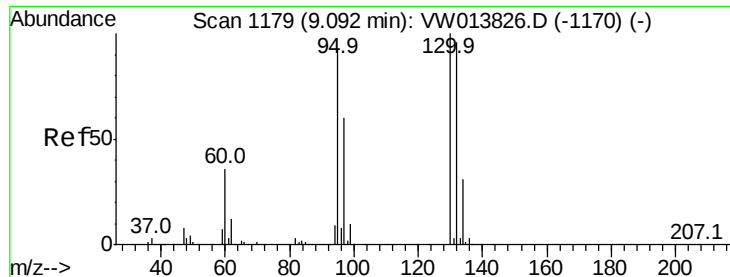
Acq: 31 Oct 2019 11:29

Tgt Ion: 78 Resp: 548530



Abundance Ion 78.00 (77.70 to 78.70): VW

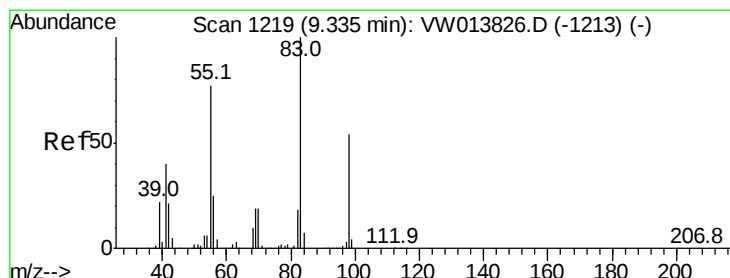
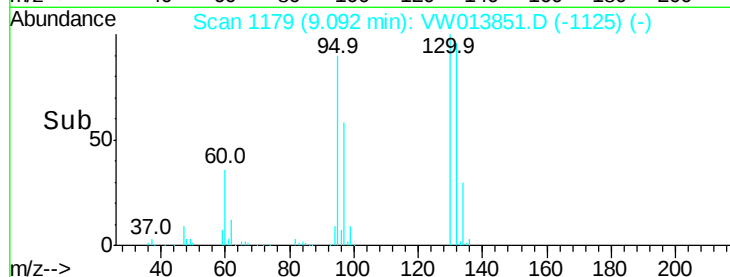
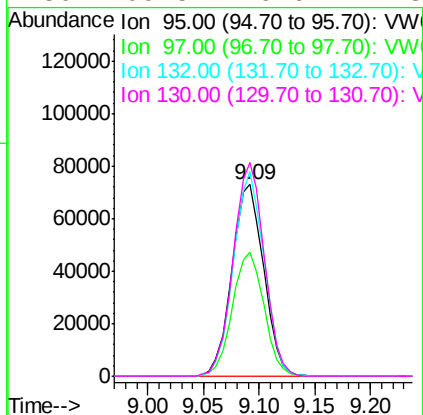
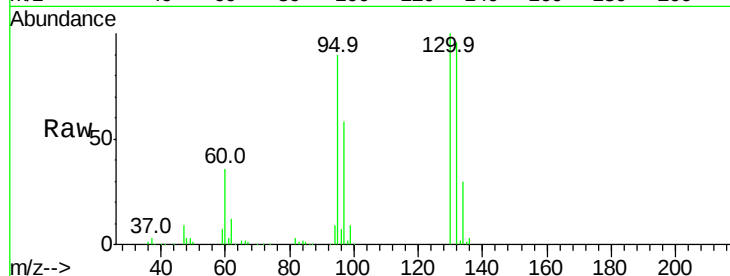




#35
 Trichloroethene
 Concen: 25.466 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013851.D
 Acq: 31 Oct 2019 11:29

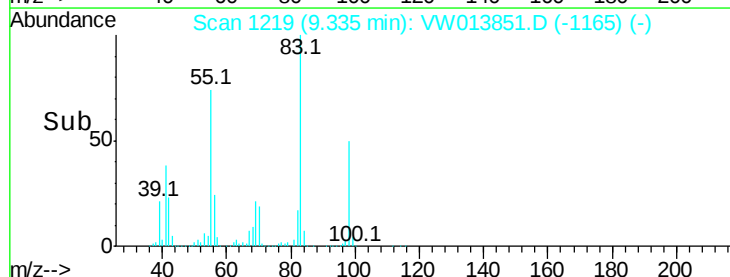
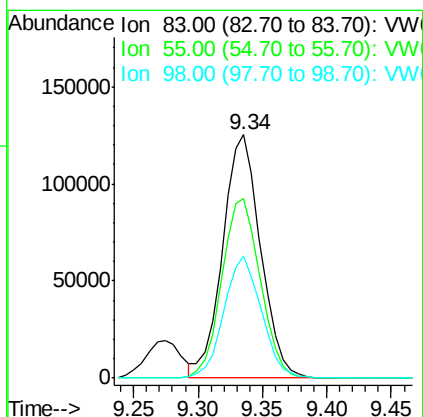
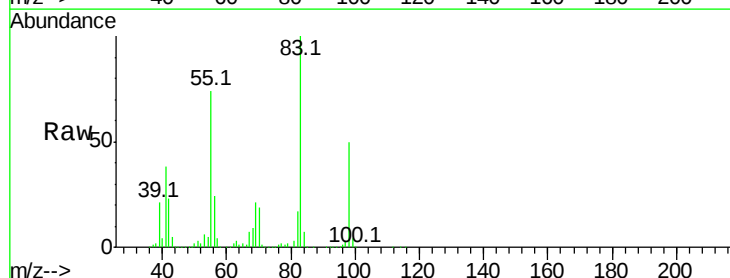
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

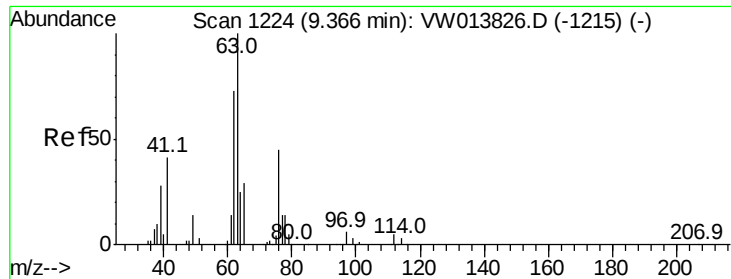
Tgt Ion:	95	Resp:	143846
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.8	85.2
132	103.4	74.3	138.1
130	109.5	76.6	142.3



#36
 Methylcyclohexane
 Concen: 25.805 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013851.D
 Acq: 31 Oct 2019 11:29

Tgt Ion:	83	Resp:	256919
Ion	Ratio	Lower	Upper
83	100		
55	75.4	60.2	90.4
98	49.3	39.1	58.7

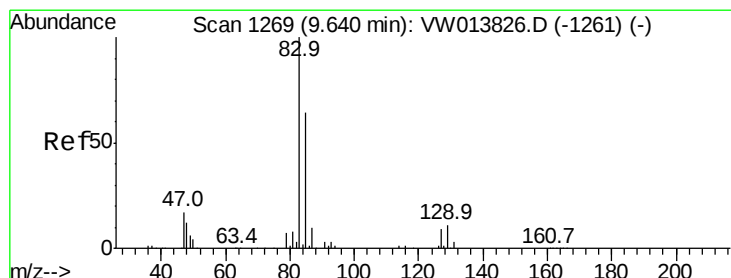
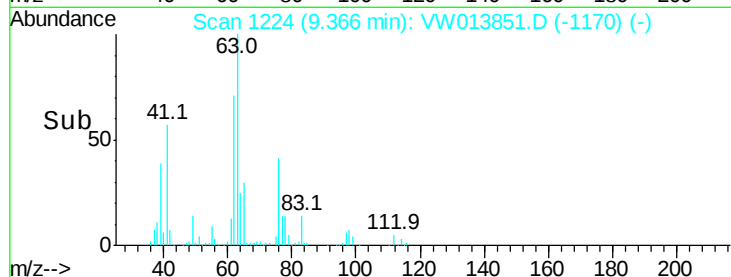
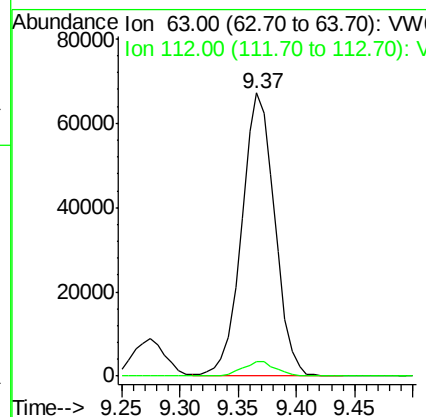
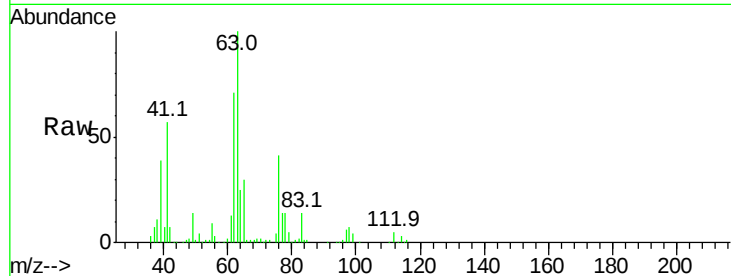




#40
1,2-Dichloropropane
Concen: 24.642 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW013851.D
Acq: 31 Oct 2019 11:29

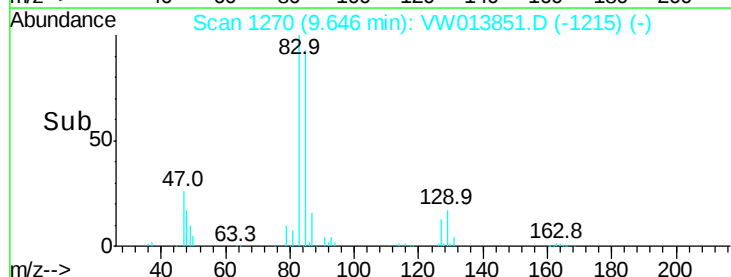
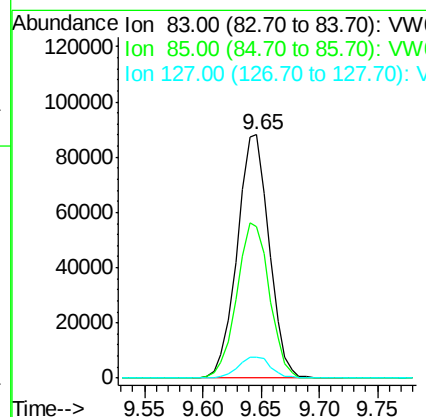
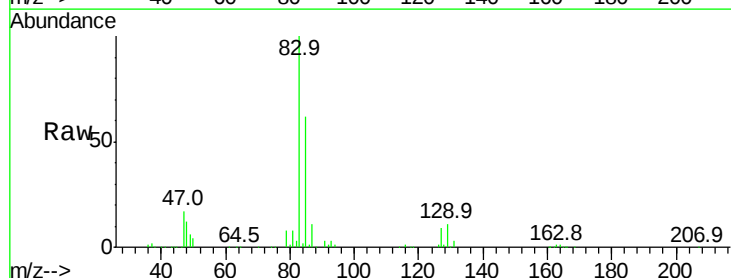
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

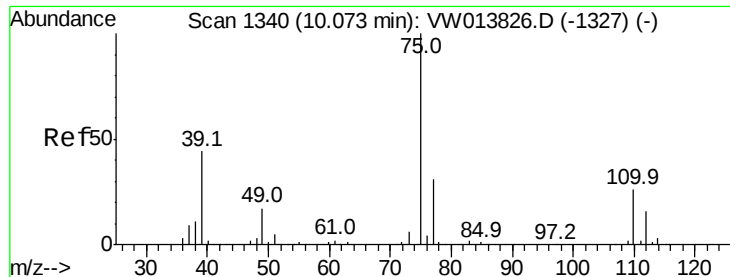
Tgt Ion: 63 Resp: 132649
Ion Ratio Lower Upper
63 100
112 5.1 3.9 5.9



#41
Bromodichloromethane
Concen: 25.653 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW013851.D
Acq: 31 Oct 2019 11:29

Tgt Ion: 83 Resp: 169203
Ion Ratio Lower Upper
83 100
85 62.1 45.8 85.0
127 8.6 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 25.572 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

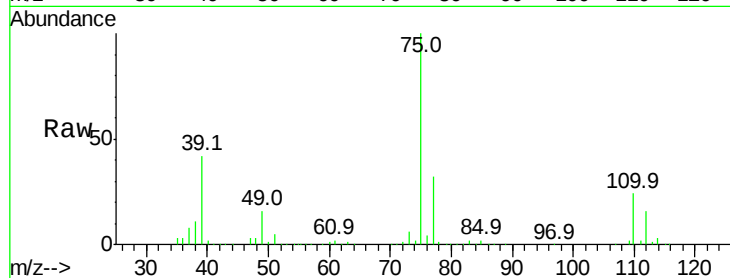
VSTD02506

Tgt Ion: 75 Resp: 217333

Ion Ratio Lower Upper

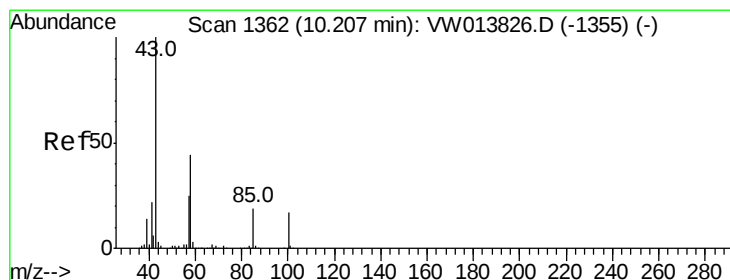
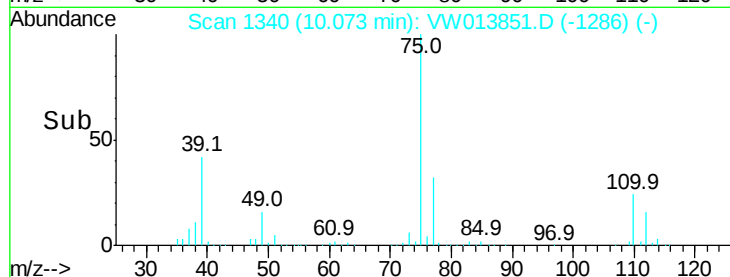
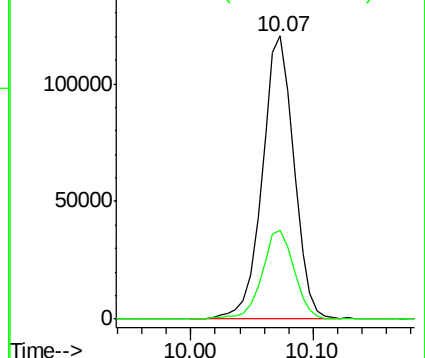
75 100

77 31.6 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 57.263 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

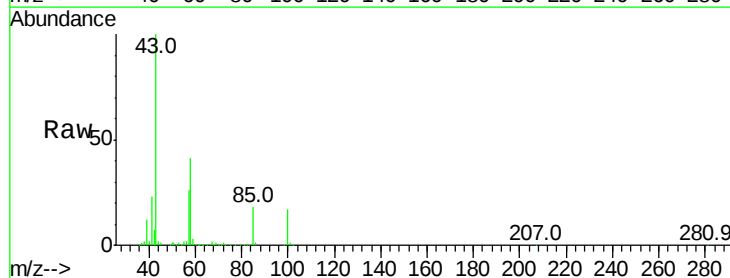
Tgt Ion: 43 Resp: 210311

Ion Ratio Lower Upper

43 100

58 40.1 32.8 49.2

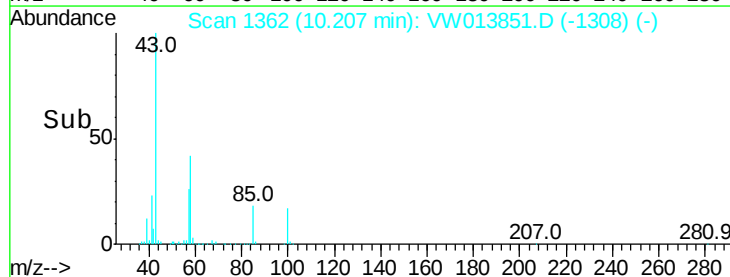
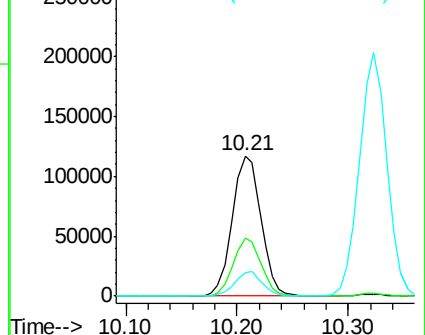
100 16.7 13.7 20.5

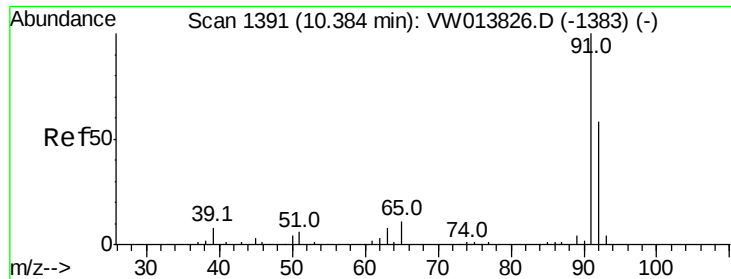


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 25.287 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

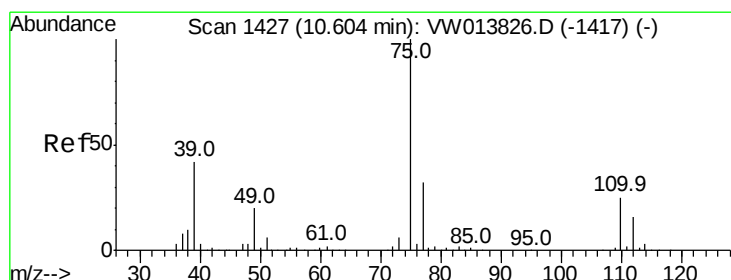
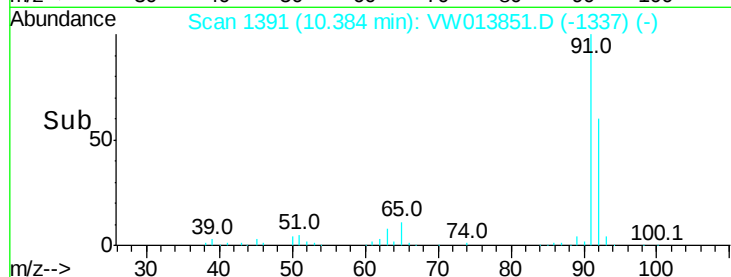
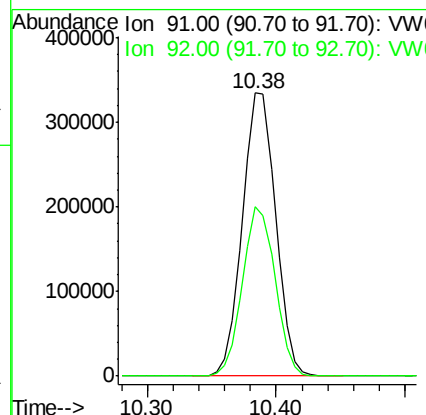
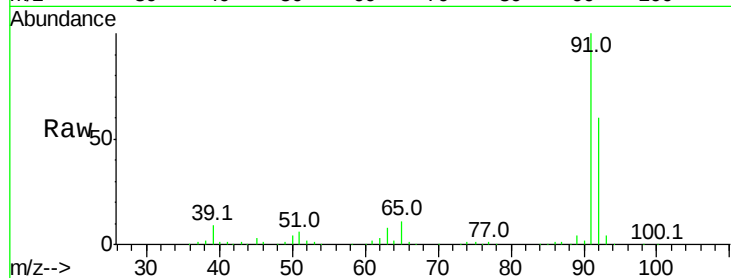
VSTD02506

Tgt Ion: 91 Resp: 598131

Ion Ratio Lower Upper

91 100

92 60.0 42.0 78.0



#45

trans-1,3-Dichloropropene

Concen: 26.019 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013851.D

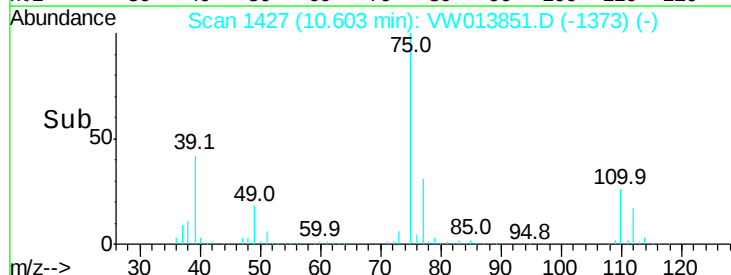
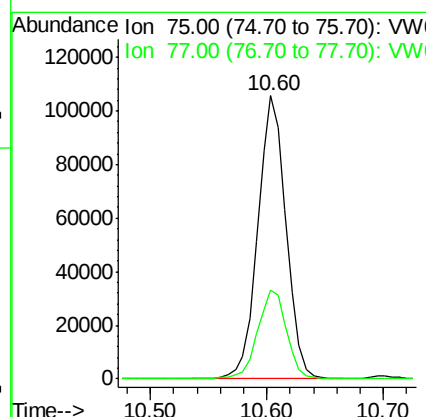
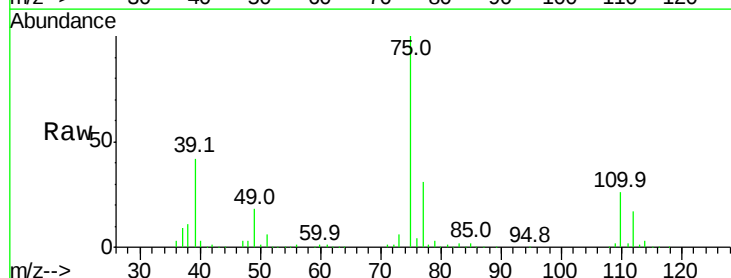
Acq: 31 Oct 2019 11:29

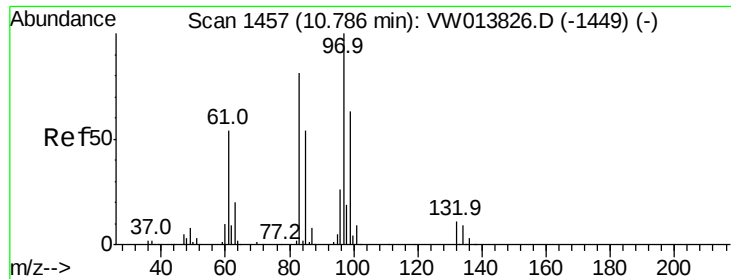
Tgt Ion: 75 Resp: 178500

Ion Ratio Lower Upper

75 100

77 31.3 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 25.881 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

Tgt Ion: 97 Resp: 107449

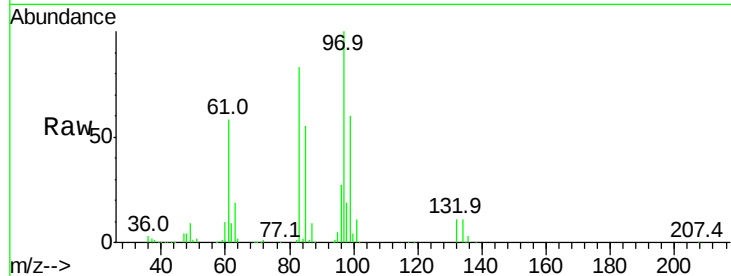
Ion Ratio Lower Upper

97 100

83 82.6 57.7 107.3

85 54.7 38.6 71.6

99 60.3 44.7 82.9

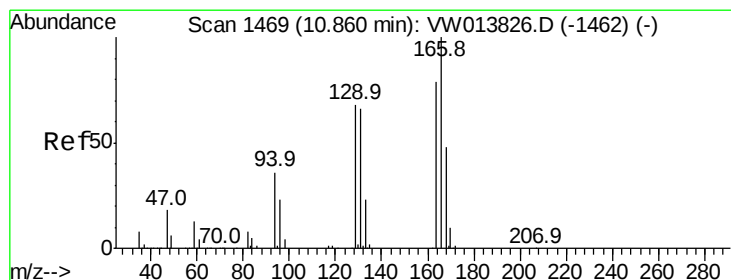
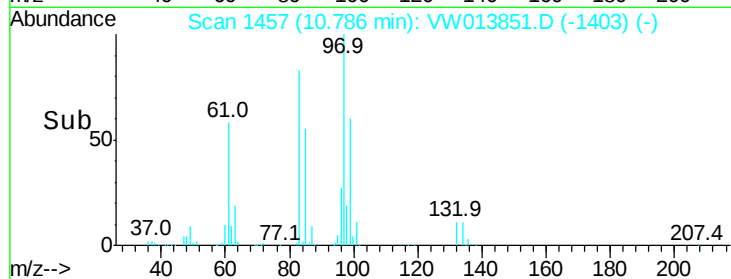
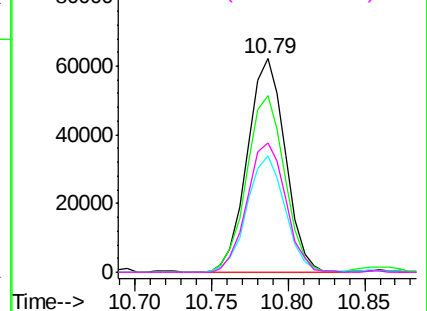


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.722 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Tgt Ion: 164 Resp: 127826

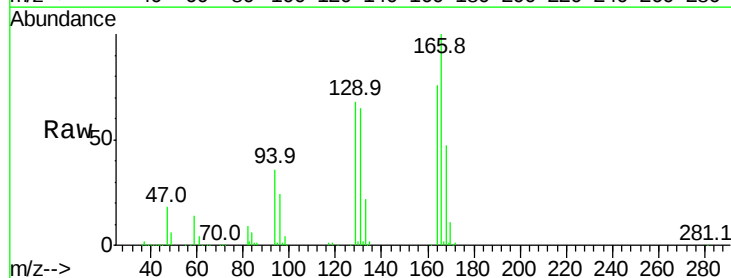
Ion Ratio Lower Upper

164 100

129 89.3 61.8 114.8

131 85.4 59.2 110.0

166 130.8 89.2 165.8

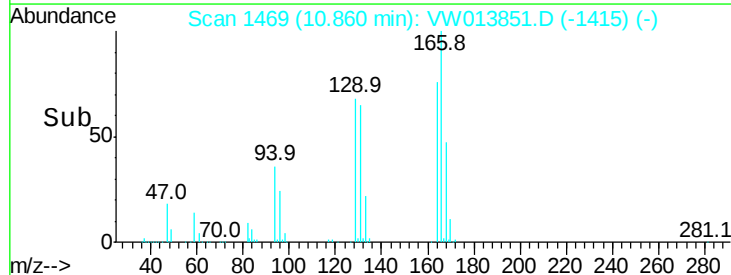
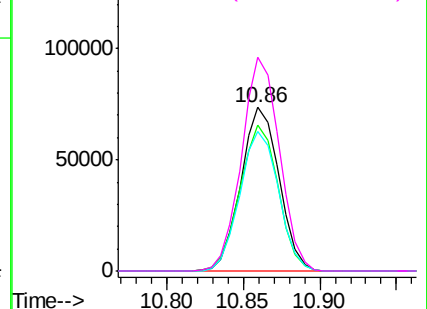


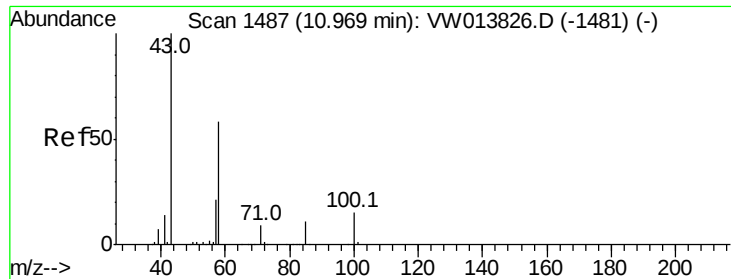
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

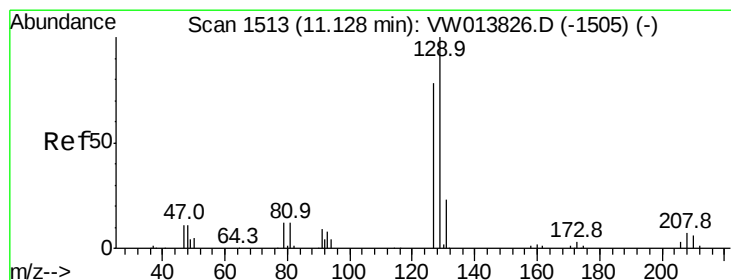
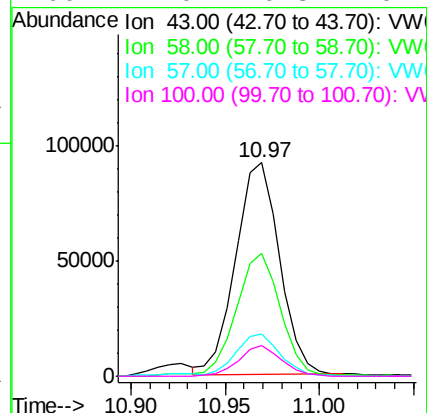
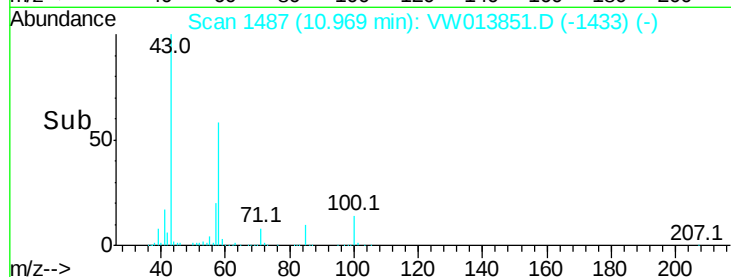
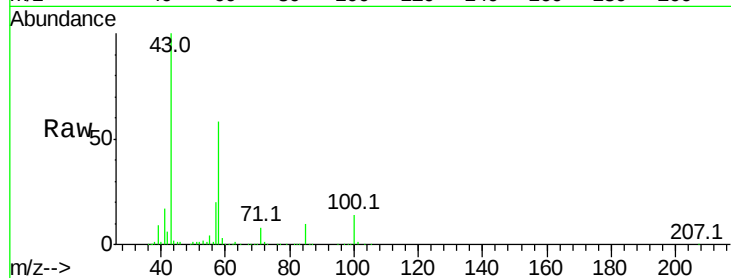




#49
2-Hexanone
Concen: 56.996 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013851.D
Acq: 31 Oct 2019 11:29

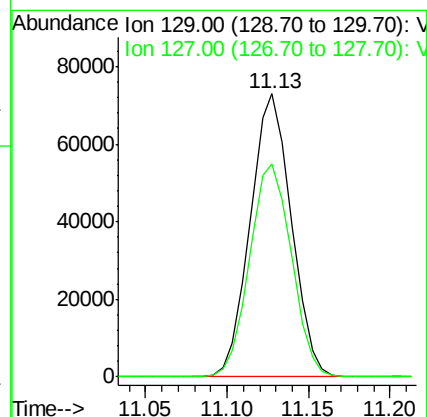
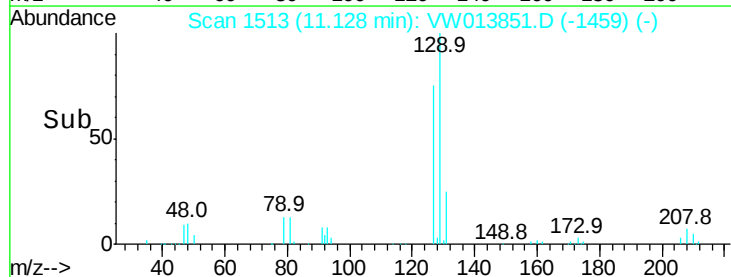
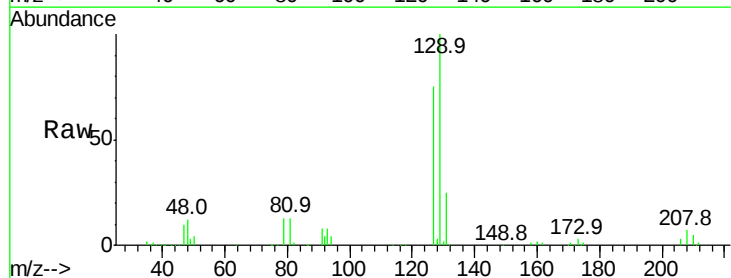
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

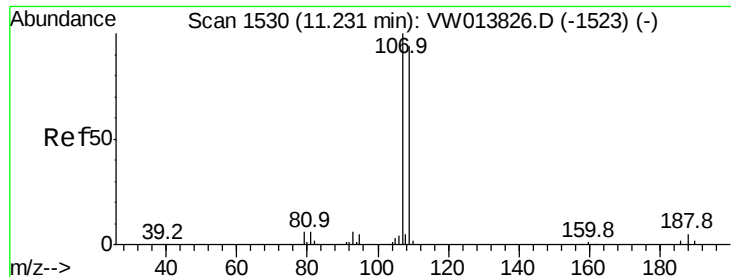
Tgt Ion: 43 Resp: 148506
Ion Ratio Lower Upper
43 100
58 58.7 45.8 68.6
57 20.0 15.4 23.2
100 14.0 10.8 16.2



#50
Dibromochloromethane
Concen: 26.086 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013851.D
Acq: 31 Oct 2019 11:29

Tgt Ion: 129 Resp: 127813
Ion Ratio Lower Upper
129 100
127 75.2 51.4 95.5

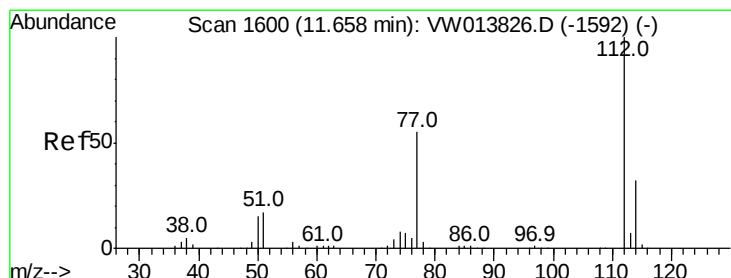
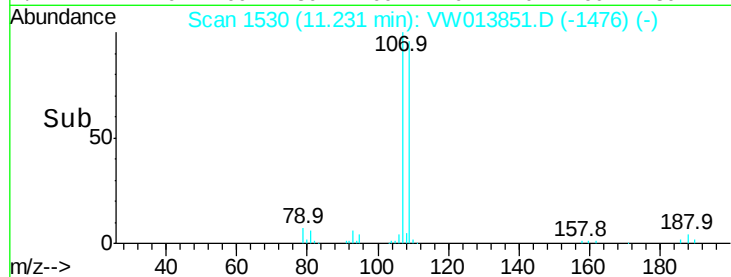
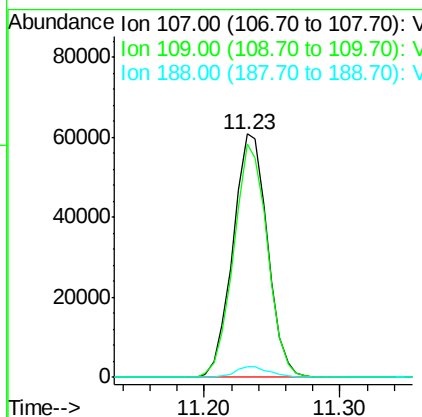
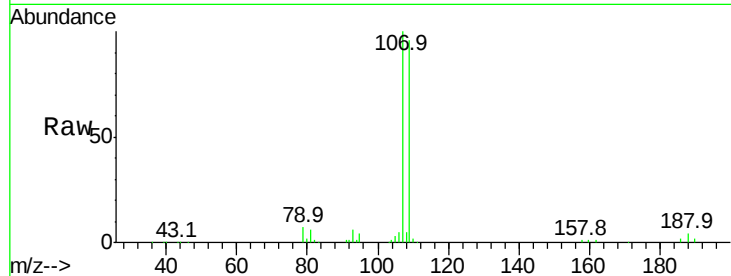




#51
1,2-Dibromoethane
Concen: 26.684 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013851.D
Acq: 31 Oct 2019 11:29

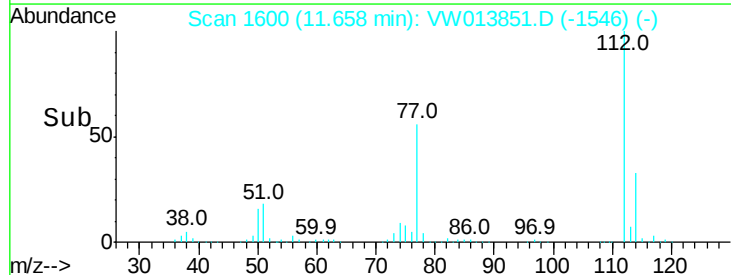
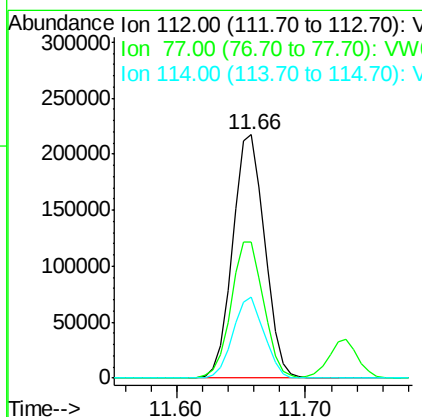
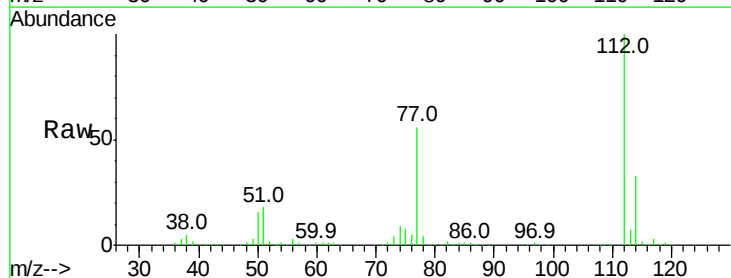
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

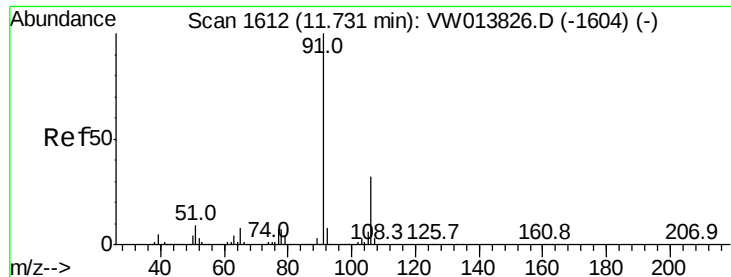
Tgt Ion:107 Resp: 107730
Ion Ratio Lower Upper
107 100
109 96.1 64.0 118.8
188 4.4 3.4 5.2



#52
Chlorobenzene
Concen: 24.792 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013851.D
Acq: 31 Oct 2019 11:29

Tgt Ion:112 Resp: 375210
Ion Ratio Lower Upper
112 100
77 55.9 44.1 66.1
114 33.0 23.4 43.4

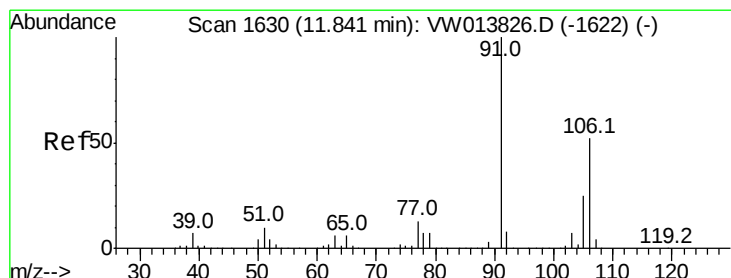
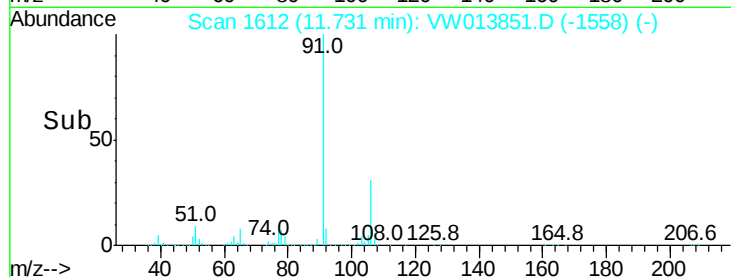
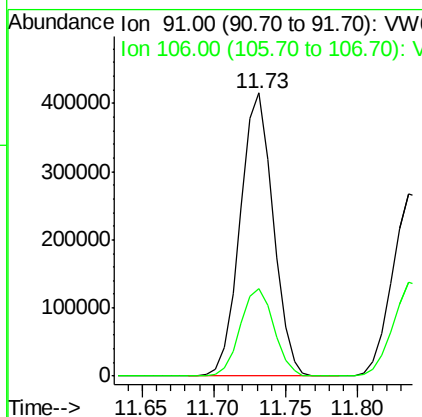
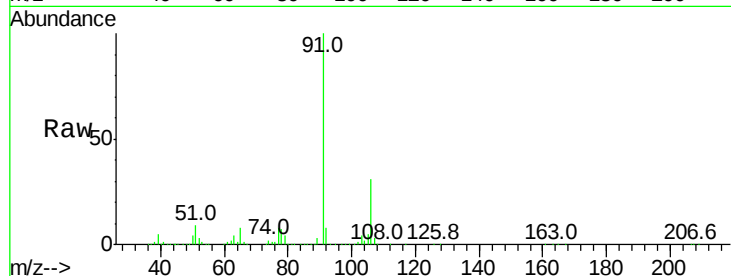




#53
Ethylbenzene
Concen: 25.326 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013851.D
Acq: 31 Oct 2019 11:29

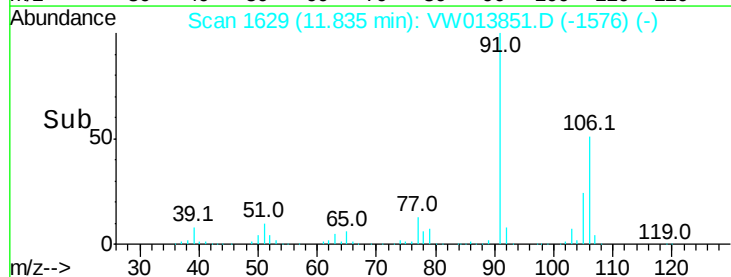
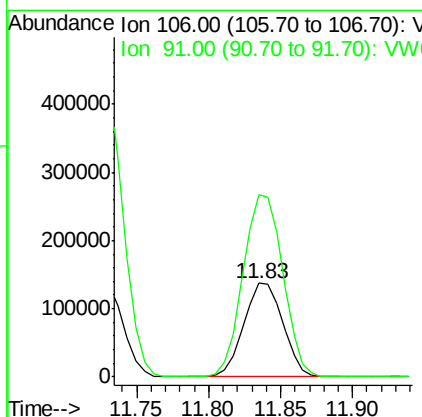
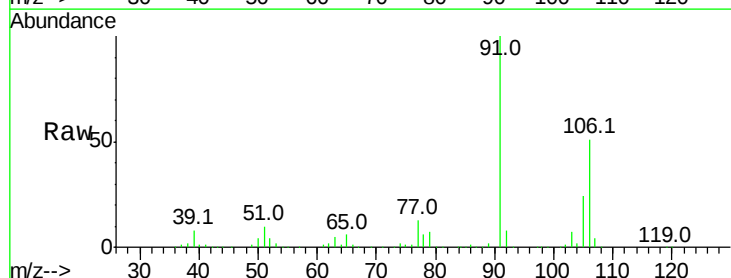
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

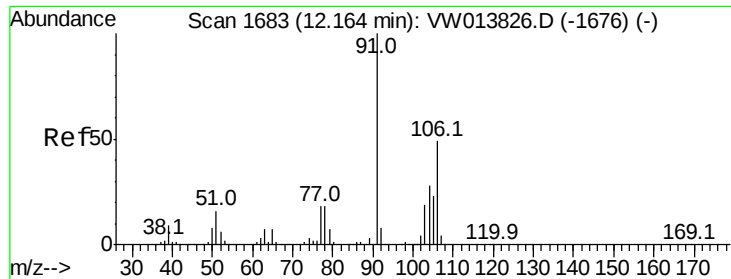
Tgt Ion: 91 Resp: 661884
Ion Ratio Lower Upper
91 100
106 31.1 22.3 41.3



#54
m,p-Xylene
Concen: 25.654 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013851.D
Acq: 31 Oct 2019 11:29

Tgt Ion: 106 Resp: 259090
Ion Ratio Lower Upper
106 100
91 195.2 137.7 255.7





#55

o-xylene

Concen: 25.473 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

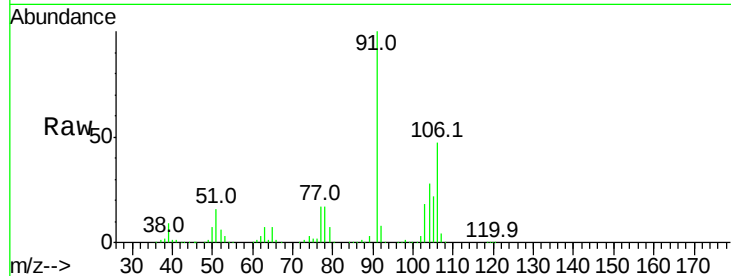
VSTD02506

Tgt Ion:106 Resp: 244134

Ion Ratio Lower Upper

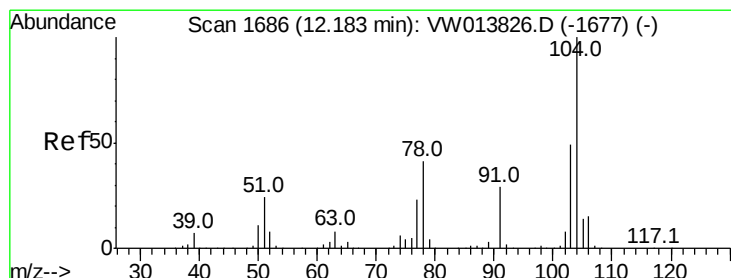
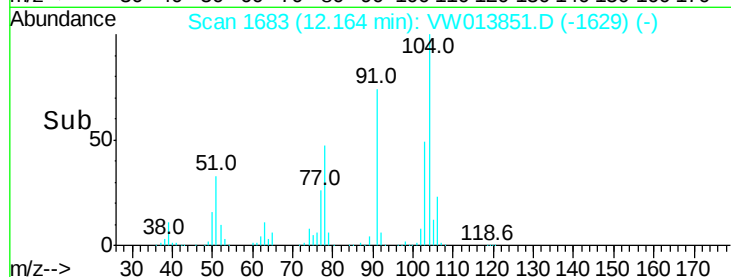
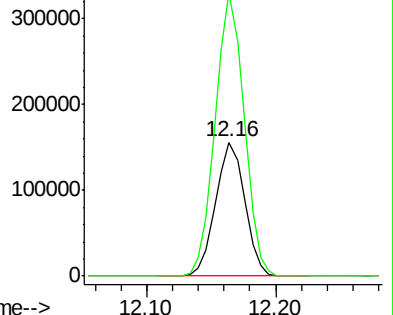
106 100

91 211.4 144.8 269.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.694 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW013851.D

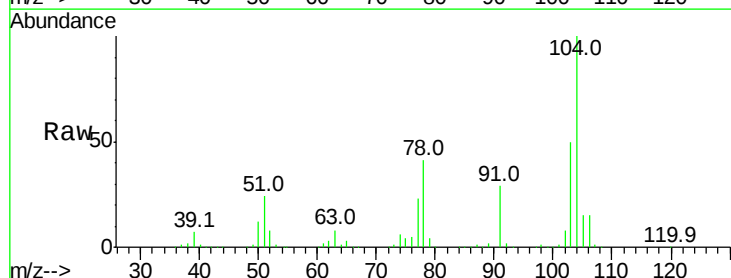
Acq: 31 Oct 2019 11:29

Tgt Ion:104 Resp: 421254

Ion Ratio Lower Upper

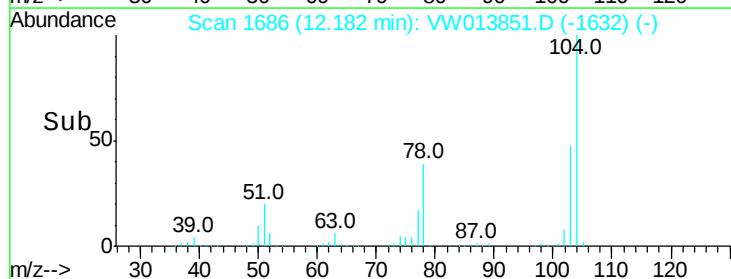
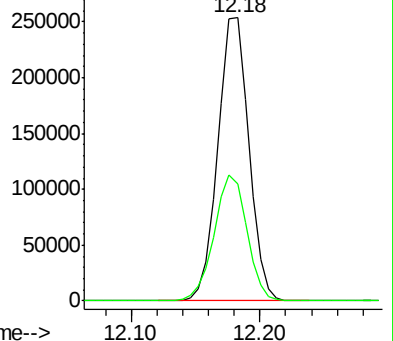
104 100

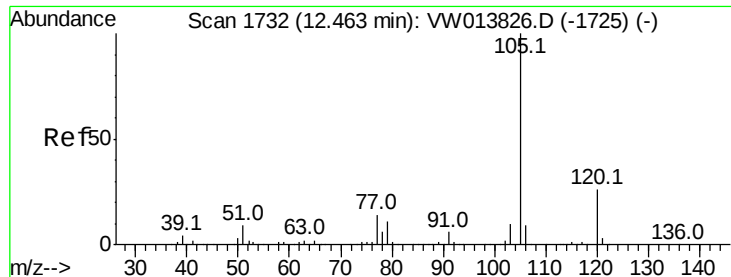
78 41.3 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.461 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

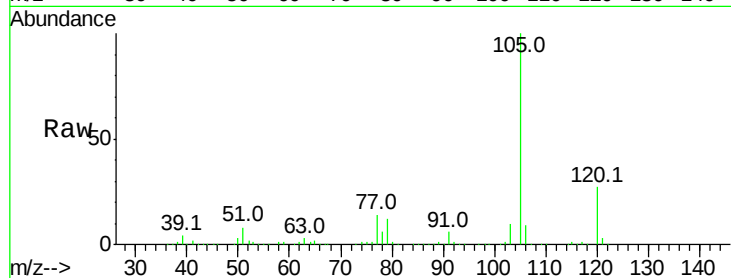
Tgt Ion: 105 Resp: 654537

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.2

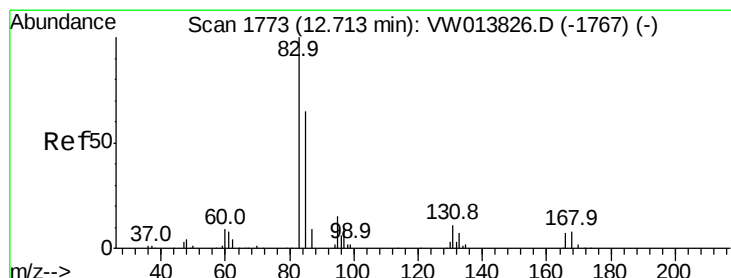
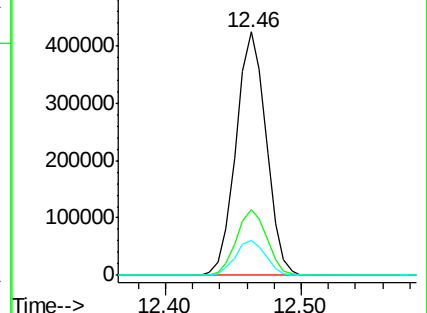
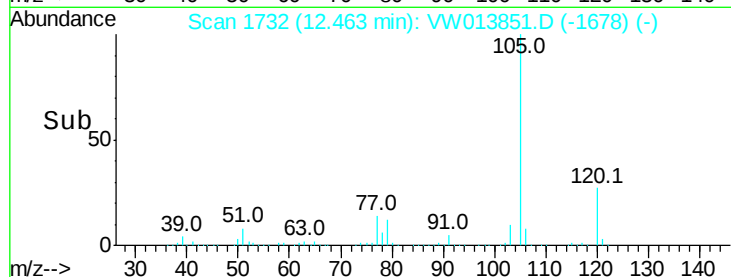
77 14.6 11.4 17.0



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: 28.200 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

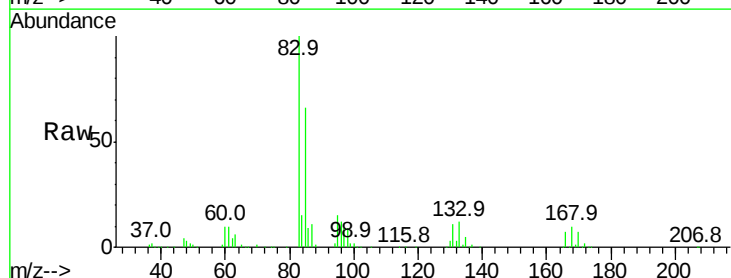
Tgt Ion: 83 Resp: 137222

Ion Ratio Lower Upper

83 100

85 65.9 44.9 83.3

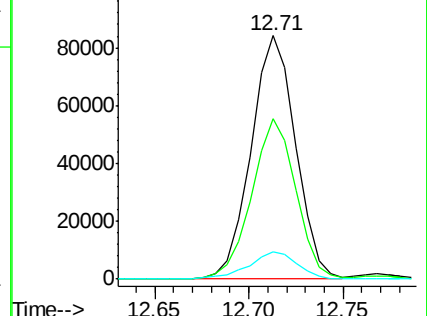
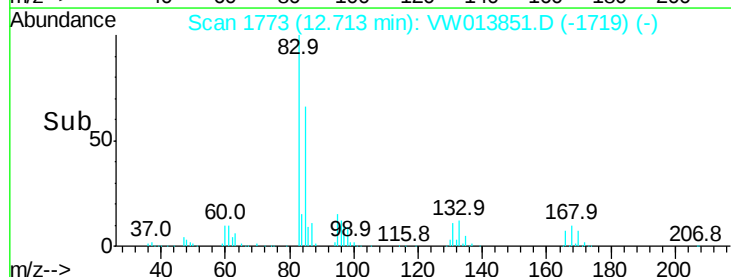
131 11.3 8.6 13.0

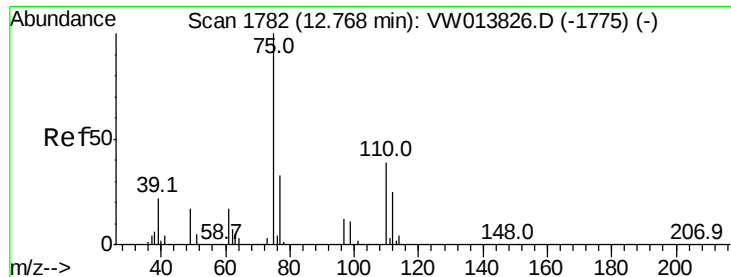


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

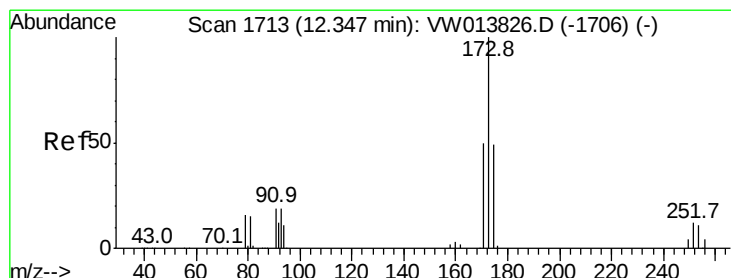
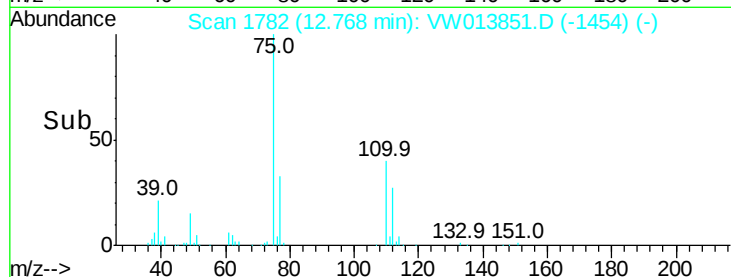
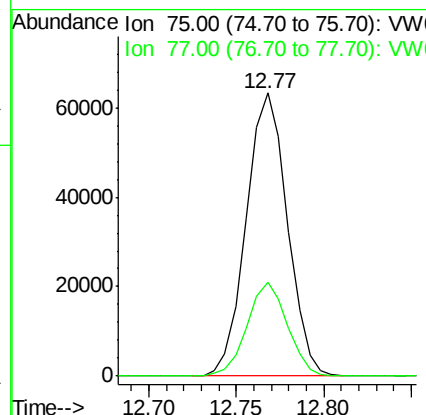
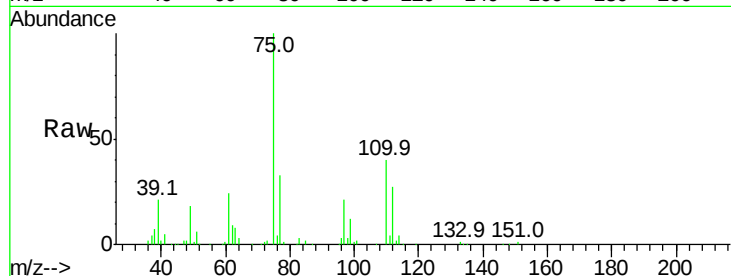




#59
 1,2,3-Trichloropropane
 Concen: 28.521 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013851.D
 Acq: 31 Oct 2019 11:29

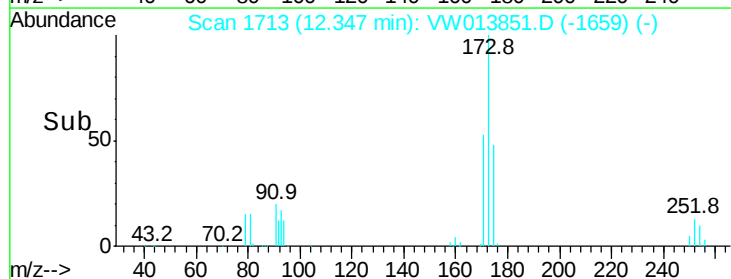
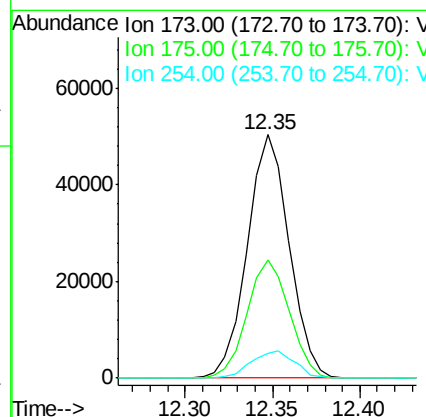
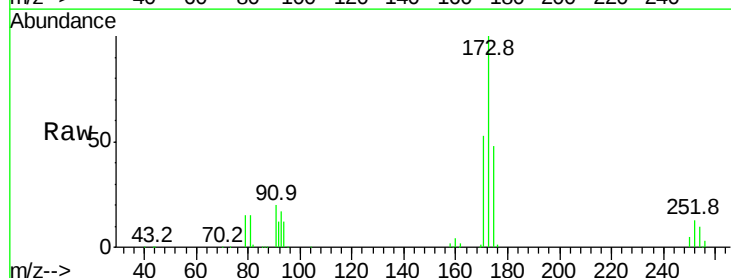
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

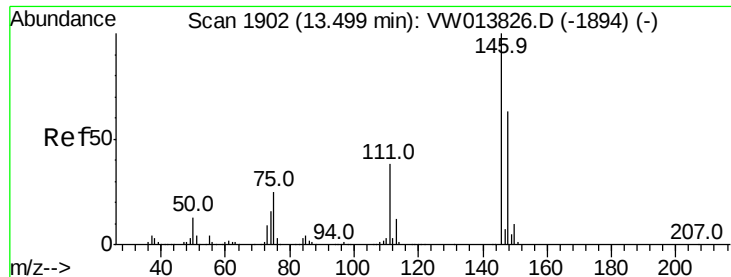
Tgt Ion: 75 Resp: 103494
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.4 39.6



#62
 Bromoform
 Concen: 26.064 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013851.D
 Acq: 31 Oct 2019 11:29

Tgt Ion: 173 Resp: 83833
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.1 58.7
 254 11.8 9.6 14.4

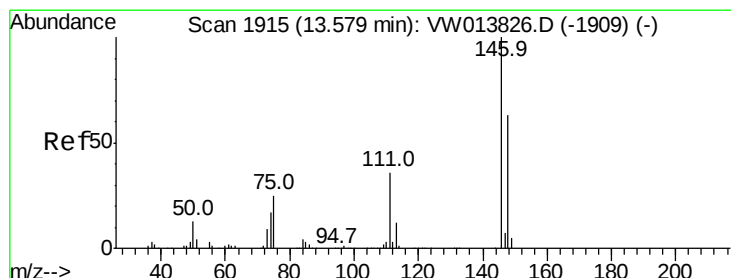
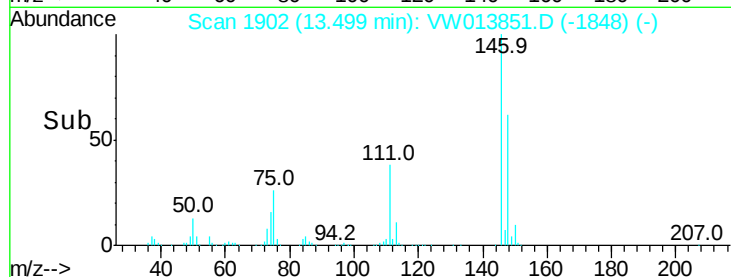
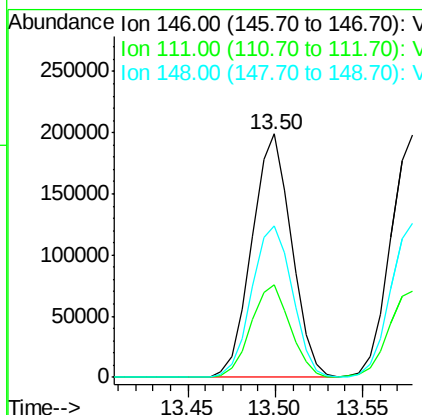
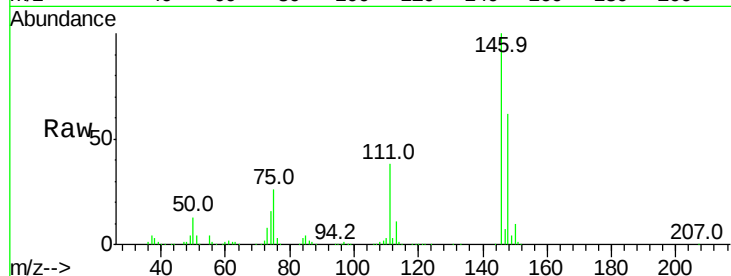




#63
 1,3-Dichlorobenzene
 Concen: 24.645 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013851.D
 Acq: 31 Oct 2019 11:29

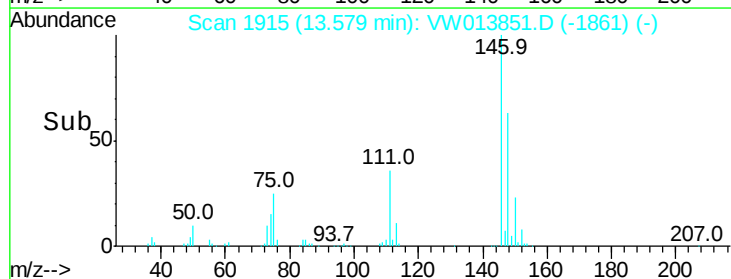
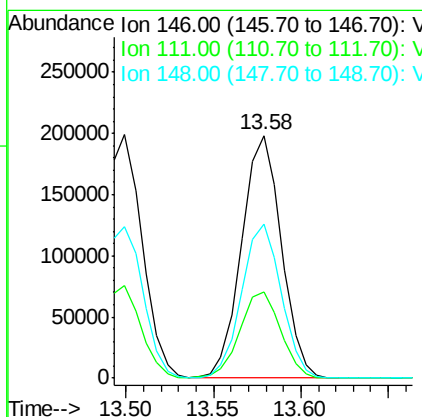
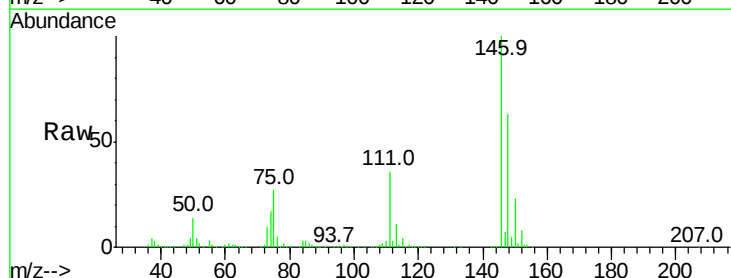
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

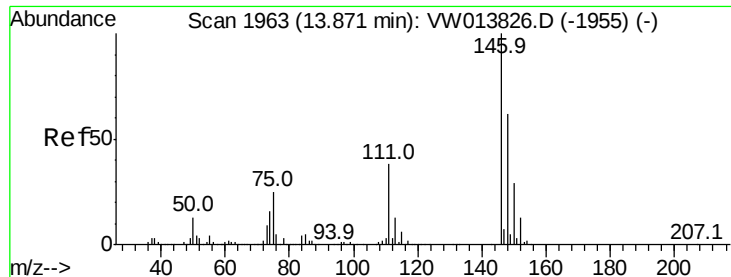
Tgt Ion:146 Resp: 313853
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.1 48.5
 148 62.4 45.8 85.2



#64
 1,4-Dichlorobenzene
 Concen: 24.580 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013851.D
 Acq: 31 Oct 2019 11:29

Tgt Ion:146 Resp: 314551
 Ion Ratio Lower Upper
 146 100
 111 35.7 24.8 46.0
 148 63.5 43.0 79.8

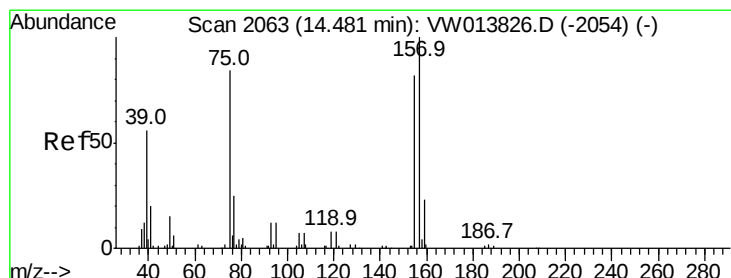
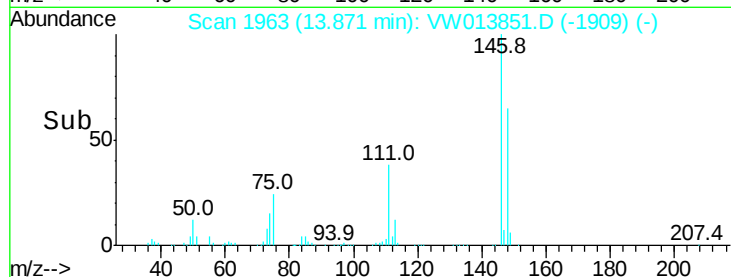
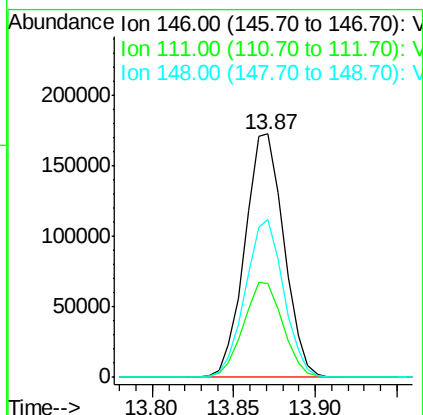
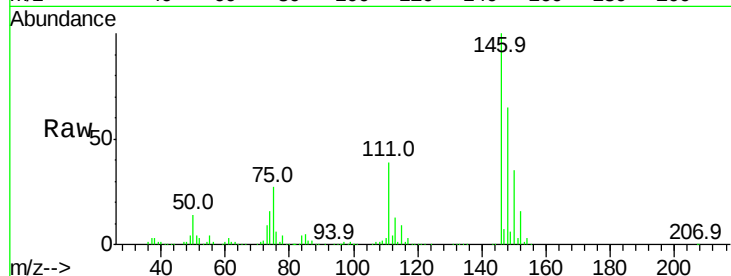




#65
1,2-Dichlorobenzene
Concen: 24.996 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW013851.D
Acq: 31 Oct 2019 11:29

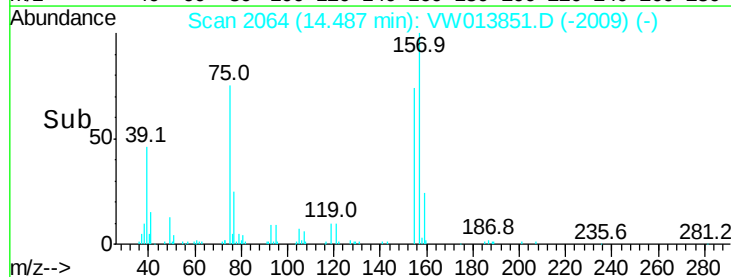
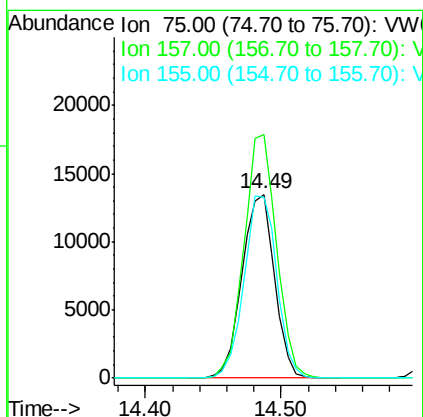
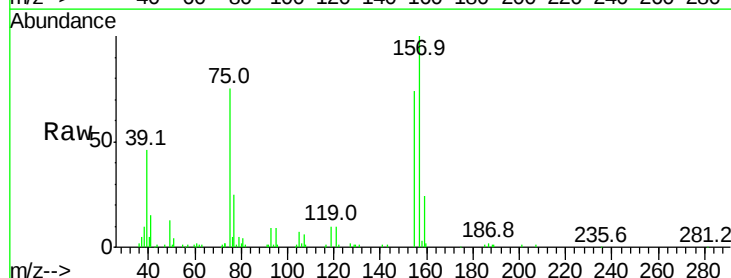
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

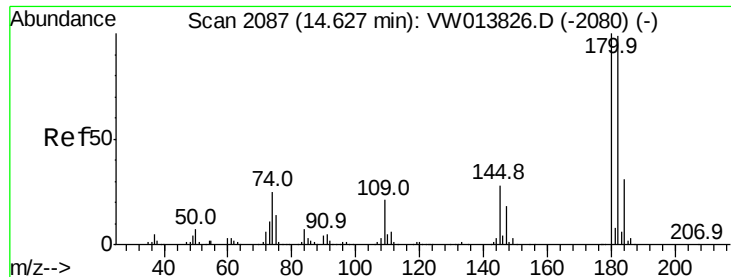
Tgt Ion: 146 Resp: 288414
Ion Ratio Lower Upper
146 100
111 38.7 30.7 46.1
148 64.7 53.3 79.9



#66
1,2-Dibromo-3-chloropropane
Concen: 28.288 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. 0.01 min
Lab File: VW013851.D
Acq: 31 Oct 2019 11:29

Tgt Ion: 75 Resp: 22435
Ion Ratio Lower Upper
75 100
157 132.7 99.4 149.0
155 98.5 69.7 104.5

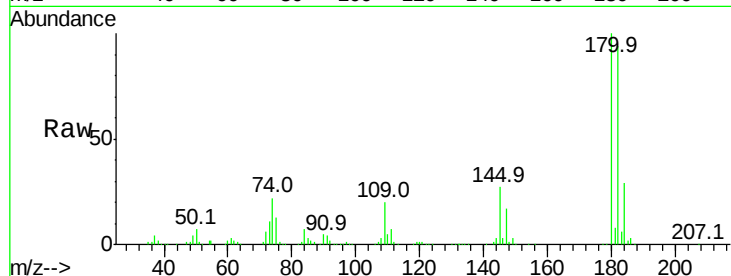




#67
 1,3,5-Trichlorobenzene
 Concen: 26.129 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013851.D
 Acq: 31 Oct 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
184	30.1	24.1	36.1
145	27.1	21.8	32.8

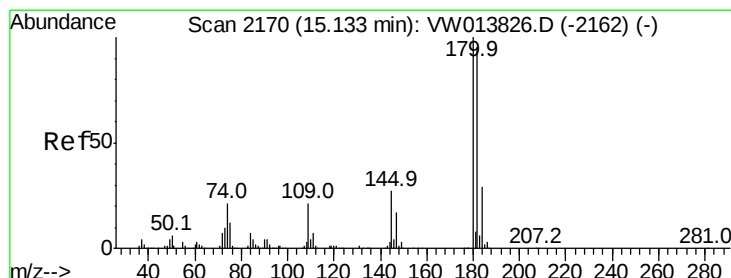
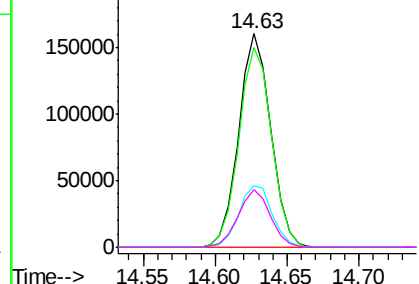
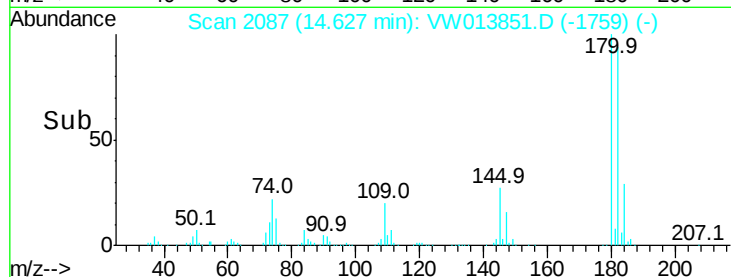


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

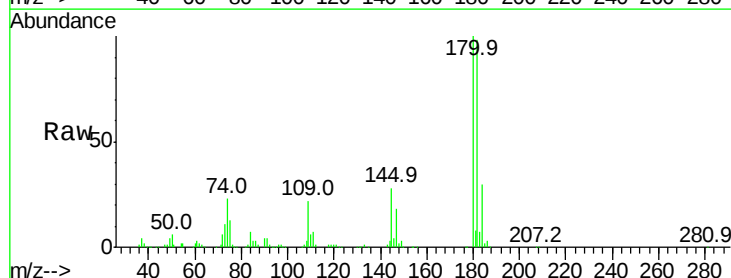
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.294 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013851.D
 Acq: 31 Oct 2019 11:29

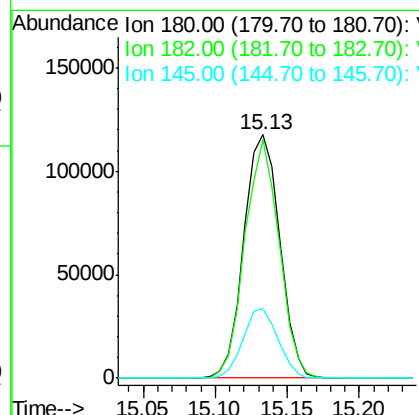
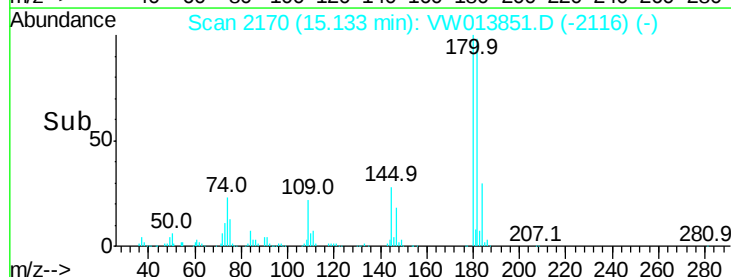
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.8	113.8
145	28.0	22.6	34.0

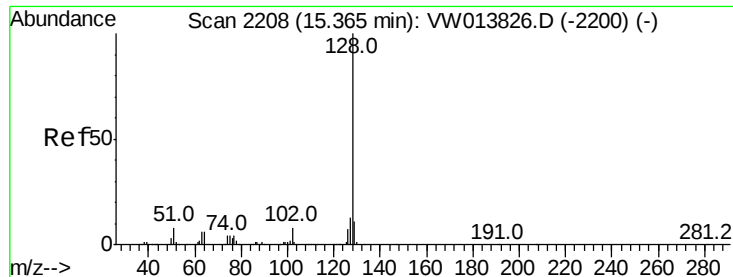


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.736 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

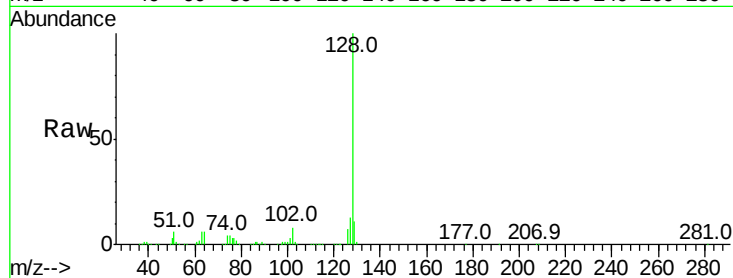
Tgt Ion:128 Resp: 403948

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

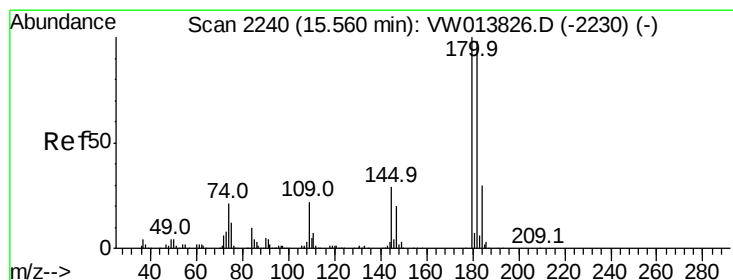
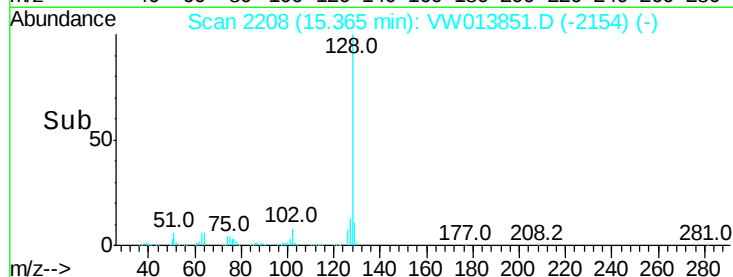
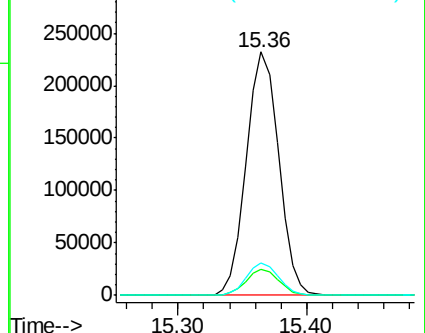
127 13.1 10.5 15.7



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: 25.721 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW013851.D

Acq: 31 Oct 2019 11:29

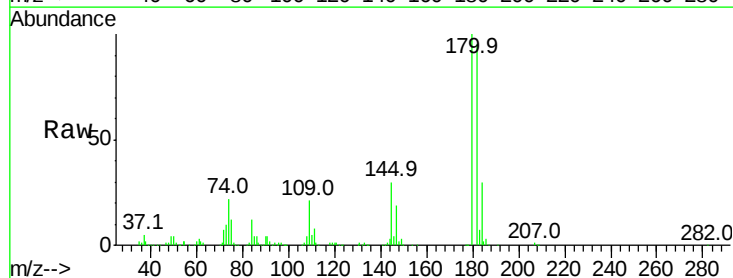
Tgt Ion:180 Resp: 185133

Ion Ratio Lower Upper

180 100

182 97.5 77.0 115.4

145 29.9 24.1 36.1



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

