

Data File : VW011906.D
Acq On : 13 Aug 2019 20:02
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

Quant Time: Aug 14 05:00:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 14 04:55:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	314134	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	277631	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	136636	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	126139	28.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.08%
7) Chloroethane-d5	2.89	69	93829	29.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.80%
10) 1,1-Dichloroethene-d2	4.03	63	281542	27.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	111.04%#
20) 2-Butanone-d5	7.07	46	95629	48.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.02%
24) Chloroform-d	7.65	84	243749	28.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	113.00%
26) 1,2-Dichloroethane-d4	8.30	65	145616	28.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	114.08%
29) Benzene-d6	8.27	84	498251	28.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.16%
33) 1,2-Dichloropropane-d6	9.27	67	161130	28.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.36%
37) Toluene-d8	10.32	98	441019	28.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.84%
38) trans-1,3-Dichloropropene-	10.58	79	67267	27.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.92%
39) 2-Hexanone-d5	10.93	63	66521	50.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121747	26.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	142737	27.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	91411	25.965	ug/L 98
3) Chloromethane	2.21	50	111758	24.405	ug/L 98
5) Vinyl chloride	2.36	62	142113	24.323	ug/L 99
6) Bromomethane	2.78	94	72052	26.158	ug/L 99
8) Chloroethane	2.92	64	79133	25.897	ug/L 97
9) Trichlorofluoromethane	3.26	101	68497	23.014	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	121631	26.956	ug/L 92
12) 1,1-Dichloroethene	4.04	96	113724	25.206	ug/L 90
13) Acetone	4.12	43	76928	36.063	ug/L 99
14) Carbon disulfide	4.38	76	345375	23.503	ug/L 99
15) Methyl Acetate	4.67	43	79711	22.855	ug/L 98
16) Methylene chloride	4.92	84	128232	26.158	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	198151	26.373	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	118697	25.464	ug/L 97
19) 1,1-Dichloroethane	6.21	63	251550	27.013	ug/L 99
21) 2-Butanone	7.16	43	109939	41.107	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	130716	26.804	ug/L 99

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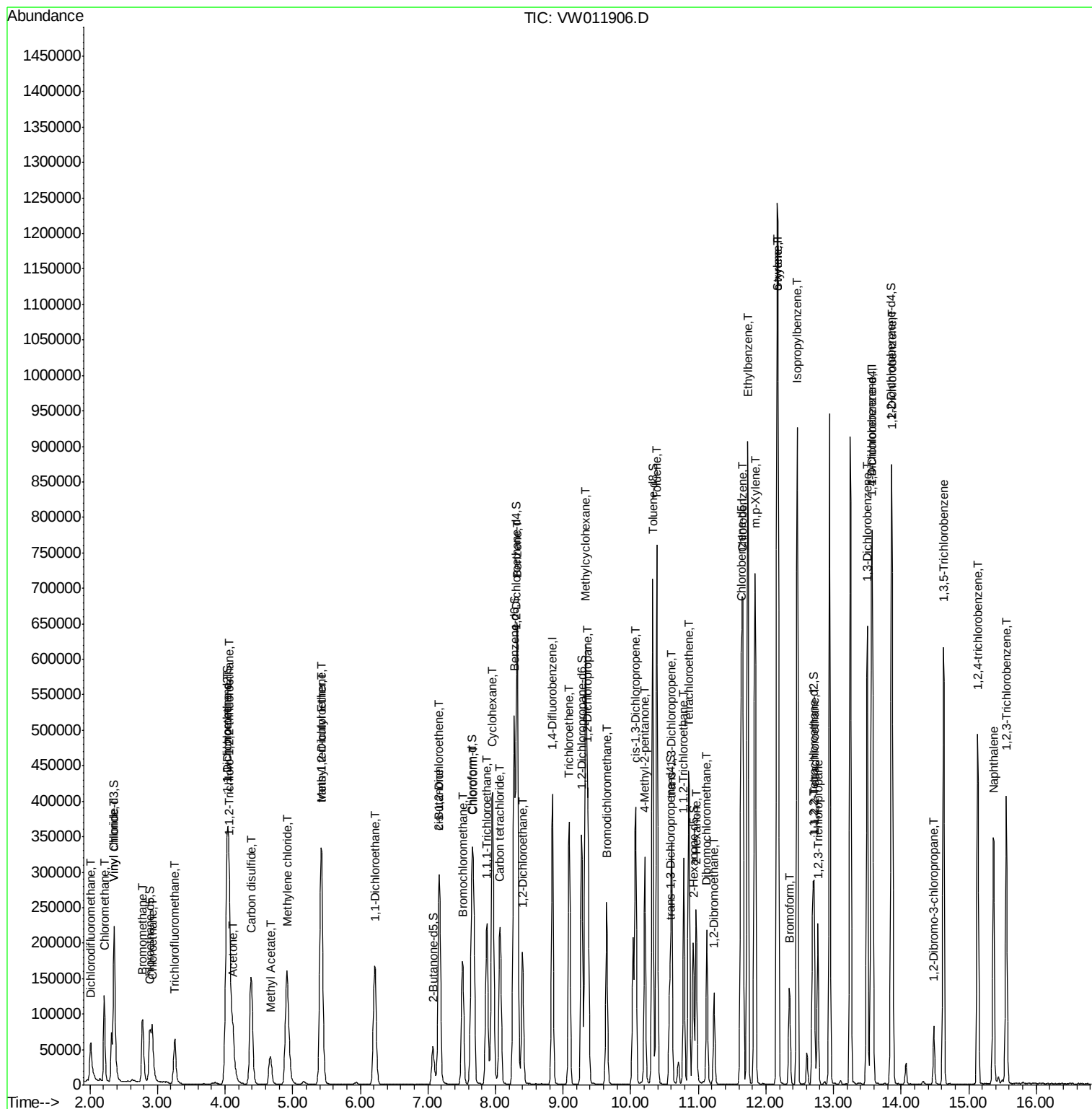
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	54660	26.343	ug/L	97
25) Chloroform	7.68	83	235008	27.381	ug/L	100
27) 1,2-Dichloroethane	8.40	62	173277	27.271	ug/L	98
30) Cyclohexane	7.96	56	242584	25.137	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	180825	26.730	ug/L	99
32) Carbon tetrachloride	8.07	117	167878	26.379	ug/L	99
34) Benzene	8.32	78	522350	26.848	ug/L	100
35) Trichloroethene	9.09	95	128567	26.030	ug/L	99
36) Methylcyclohexane	9.34	83	224798	25.088	ug/L	99
40) 1,2-Dichloropropane	9.37	63	144617	27.847	ug/L	100
41) Bromodichloromethane	9.65	83	169693	27.690	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	214829	27.656	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	232108	49.328	ug/L	99
44) Toluene	10.39	91	540499	27.344	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	172483	26.688	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	92503	26.126	ug/L	98
47) Tetrachloroethene	10.86	164	95943	25.431	ug/L	94
49) 2-Hexanone	10.97	43	162671	44.872	ug/L	98
50) Dibromochloromethane	11.13	129	106891	27.389	ug/L	98
51) 1,2-Dibromoethane	11.23	107	88240	25.611	ug/L	97
52) Chlorobenzene	11.66	112	321913	26.994	ug/L	99
53) Ethylbenzene	11.73	91	603219	27.365	ug/L	100
54) m,p-Xylene	11.84	106	219063	27.330	ug/L	97
55) o-xylene	12.16	106	207859	27.555	ug/L	100
56) Styrene	12.18	104	361466	28.185	ug/L	98
57) Isopropylbenzene	12.46	105	572361	27.580	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	120358	25.580	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	90103	24.828	ug/L	99
62) Bromoform	12.35	173	59791	24.459	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	244416	26.356	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	242850	26.077	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	223790	26.650	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	19815	22.799	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	182631	26.756	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	149602	27.214	ug/L	99
69) Naphthalene	15.37	128	286845	25.912	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	136800	26.870	ug/L	99

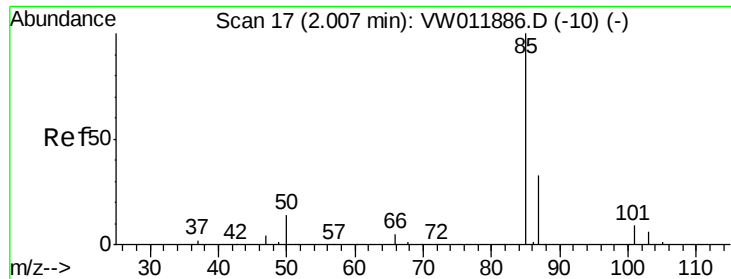
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.965 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

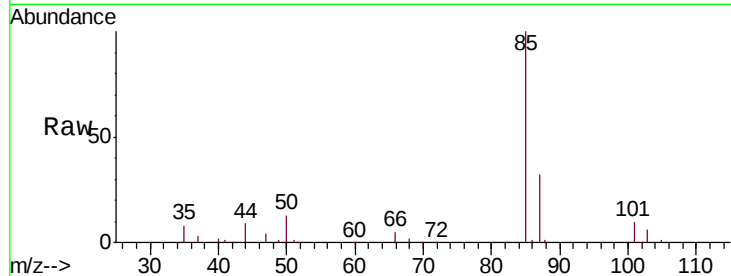
VSTD02513

Tgt Ion: 85 Resp: 91411

Ion Ratio Lower Upper

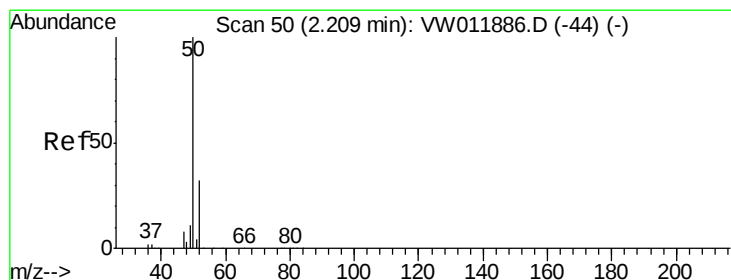
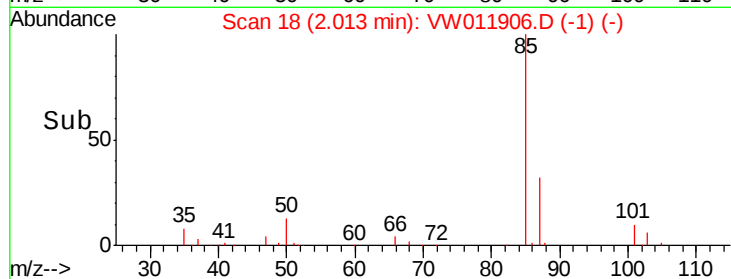
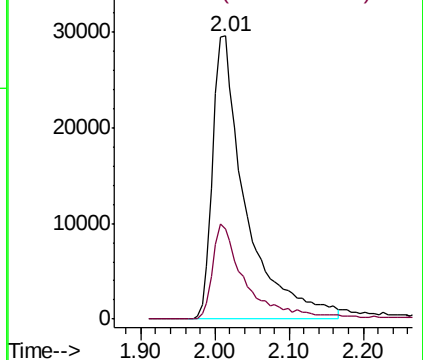
85 100

87 30.0 21.8 40.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.405 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW011906.D

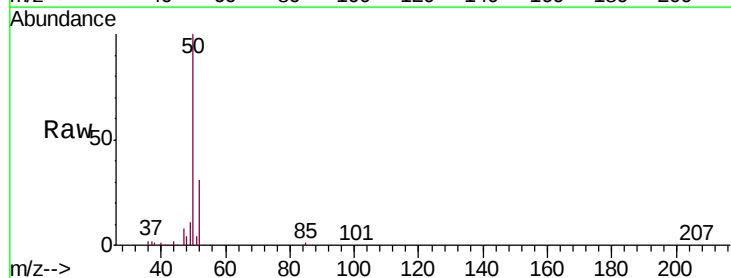
Acq: 13 Aug 2019 20:02

Tgt Ion: 50 Resp: 111758

Ion Ratio Lower Upper

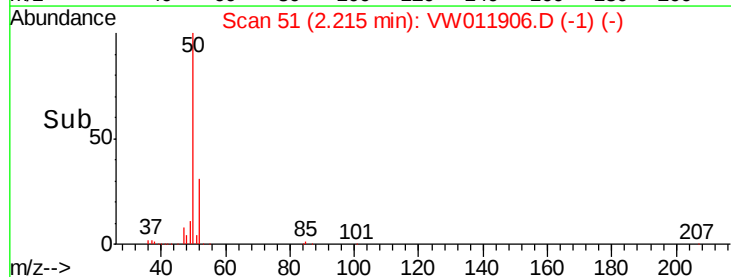
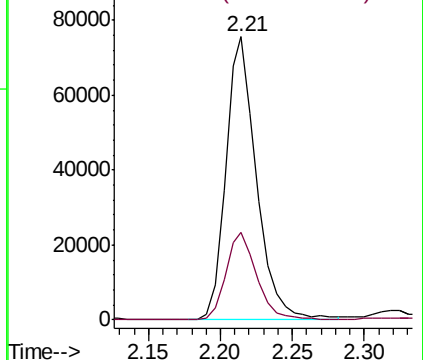
50 100

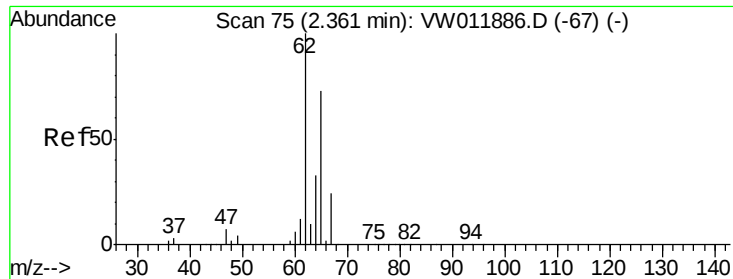
52 31.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.323 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

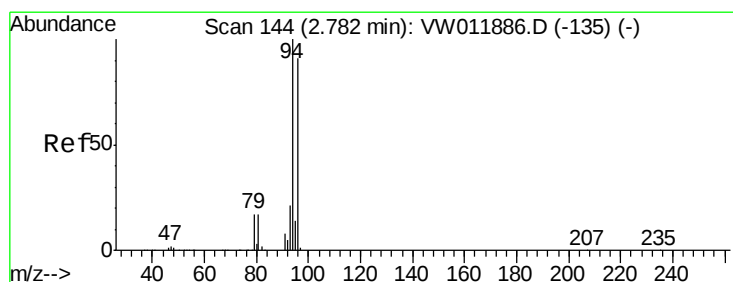
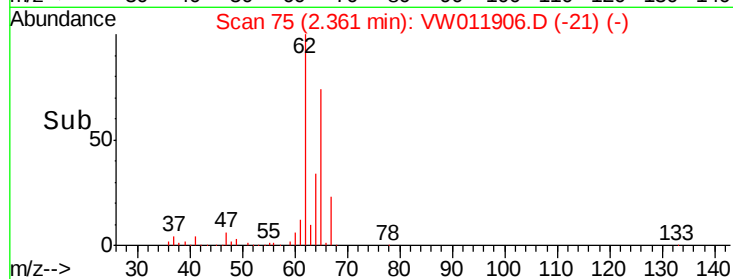
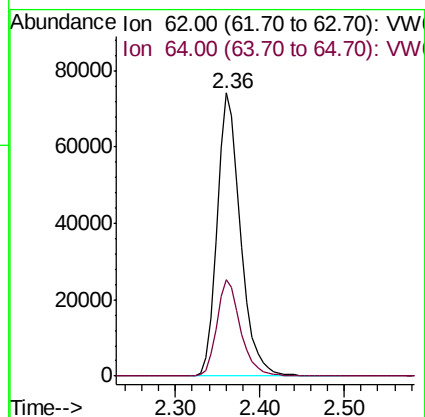
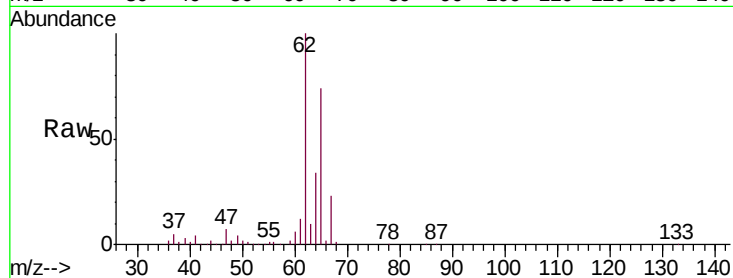
VSTD02513

Tgt Ion: 62 Resp: 142113

Ion Ratio Lower Upper

62 100

64 34.1 23.6 43.8



#6

Bromomethane

Concen: 26.158 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW011906.D

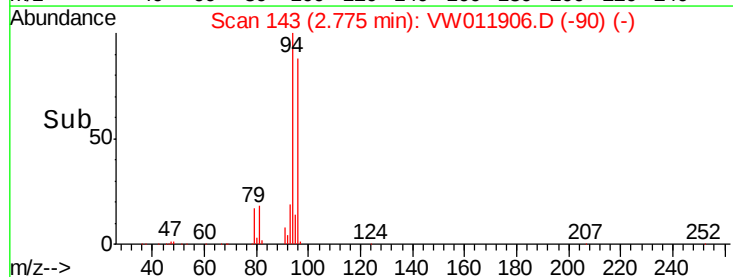
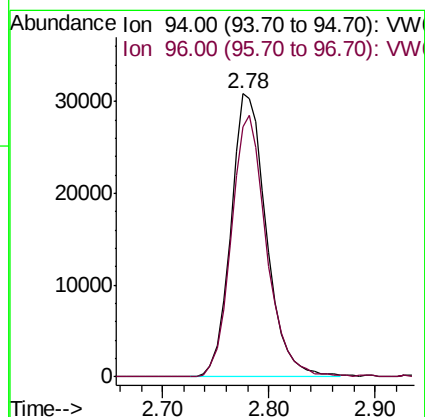
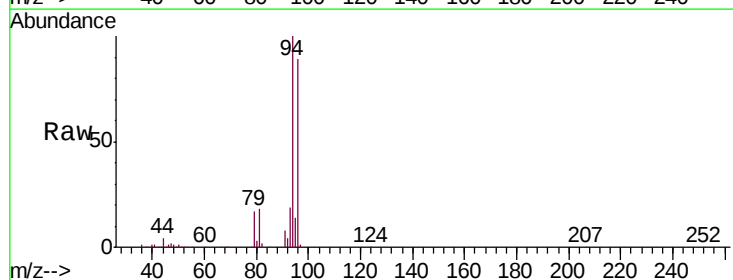
Acq: 13 Aug 2019 20:02

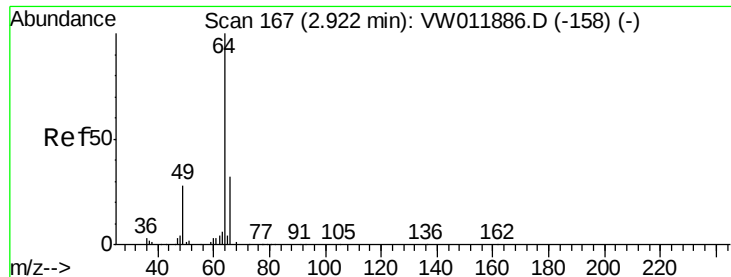
Tgt Ion: 94 Resp: 72052

Ion Ratio Lower Upper

94 100

96 91.6 9.3 175.9





#8

Chloroethane

Concen: 25.897 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

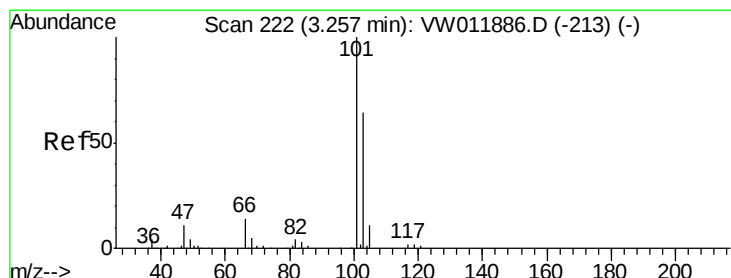
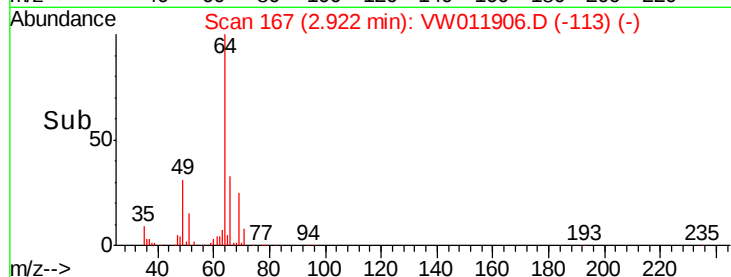
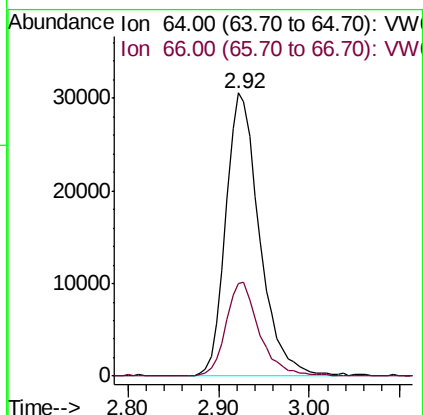
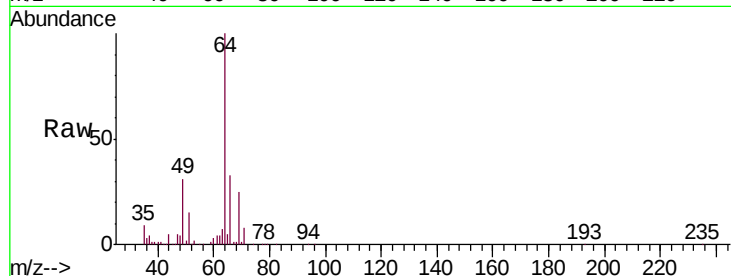
VSTD02513

Tgt Ion: 64 Resp: 79133

Ion Ratio Lower Upper

64 100

66 32.9 22.0 40.8



#9

Trichlorofluoromethane

Concen: 23.014 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW011906.D

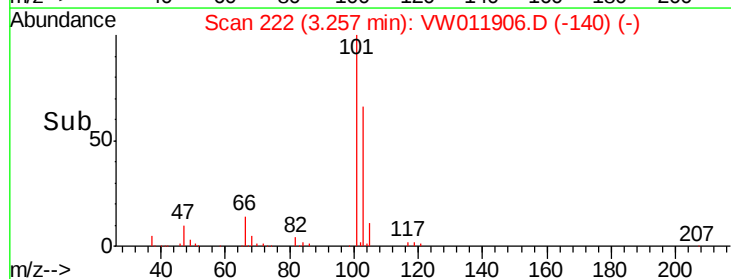
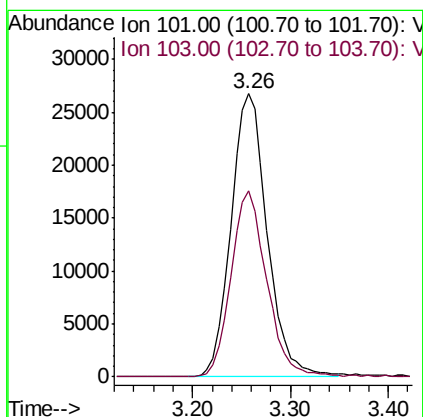
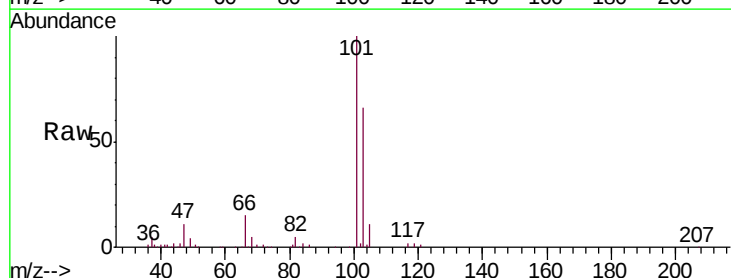
Acq: 13 Aug 2019 20:02

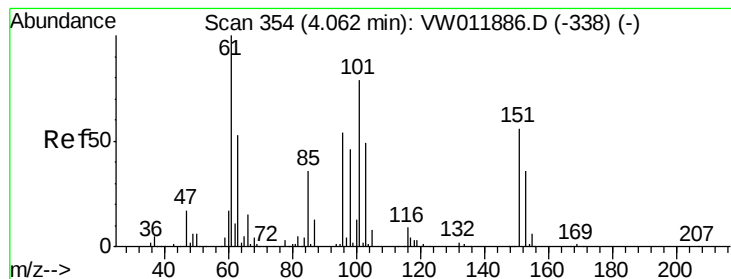
Tgt Ion: 101 Resp: 68497

Ion Ratio Lower Upper

101 100

103 65.0 44.3 82.3





#11

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

Concen: 26.956 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Instrument :

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ClientSampleId :

VSTD02513

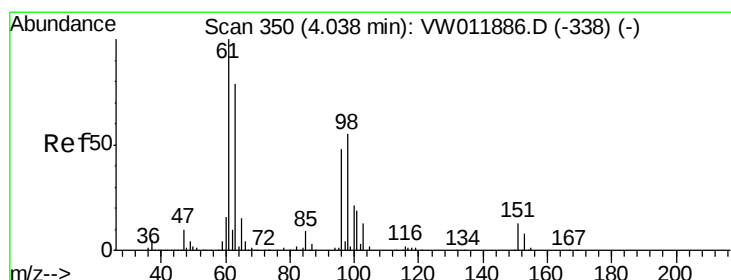
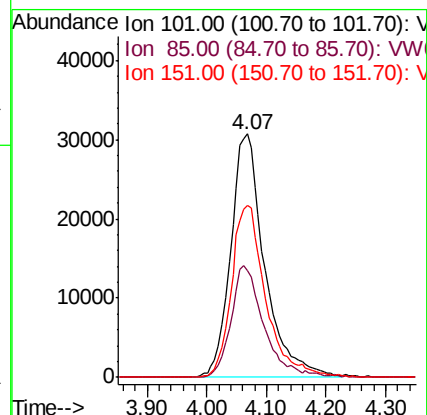
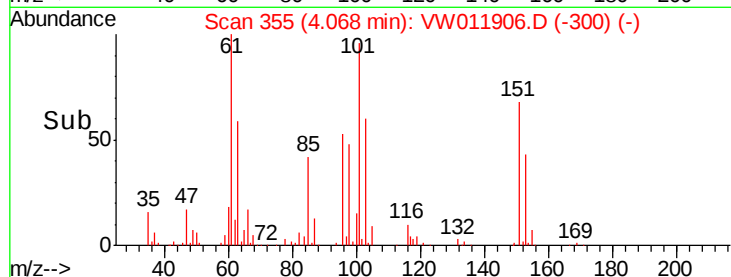
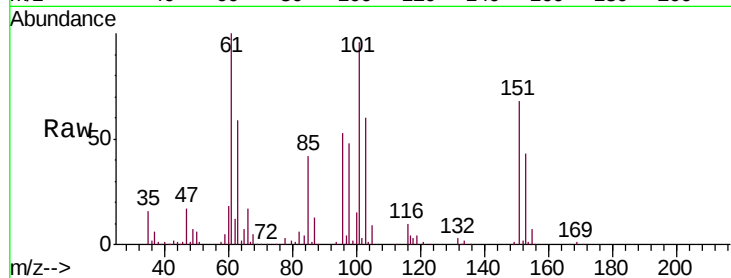
Tgt Ion:101 Resp: 121631

Ion Ratio Lower Upper

101 100

85 41.8 37.0 55.4

151 68.7 60.8 91.2



#12

1,1-Dichloroethene

Concen: 25.206 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

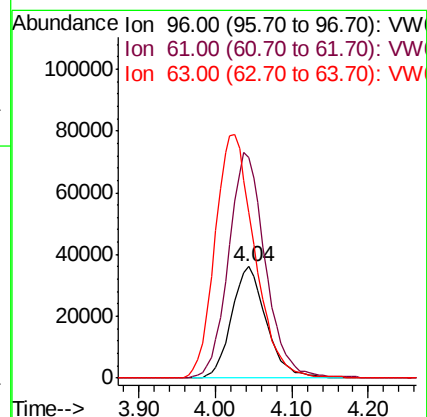
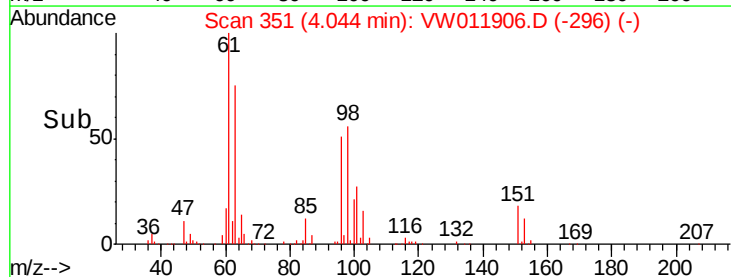
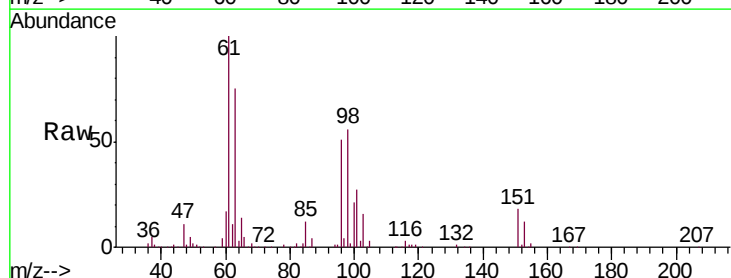
Tgt Ion: 96 Resp: 113724

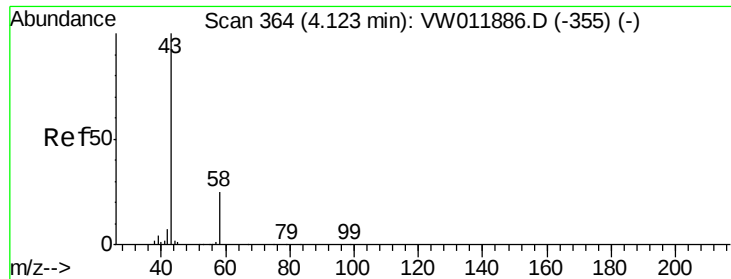
Ion Ratio Lower Upper

96 100

61 198.0 135.0 250.8

63 149.2 89.2 165.8





#13

Acetone

Concen: 36.063 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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ClientSampleId :

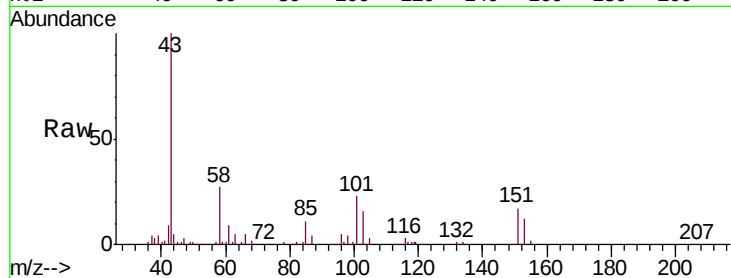
VSTD02513

Tgt Ion: 43 Resp: 76928

Ion Ratio Lower Upper

43 100

58 27.2 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

30000

25000

20000

15000

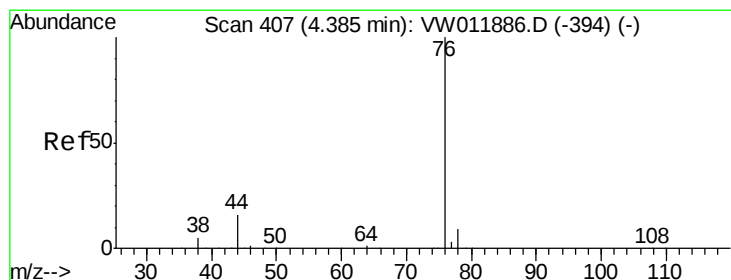
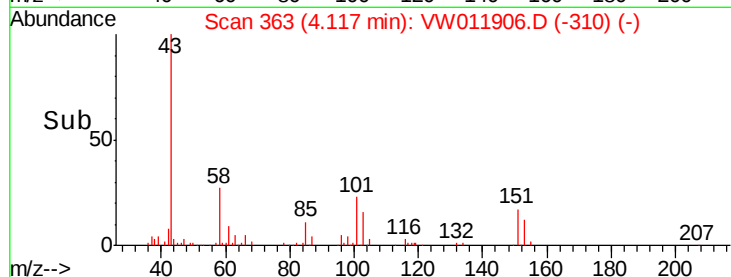
10000

5000

0

4.05 4.10 4.15 4.20

Time-->



#14

Carbon disulfide

Concen: 23.503 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011906.D

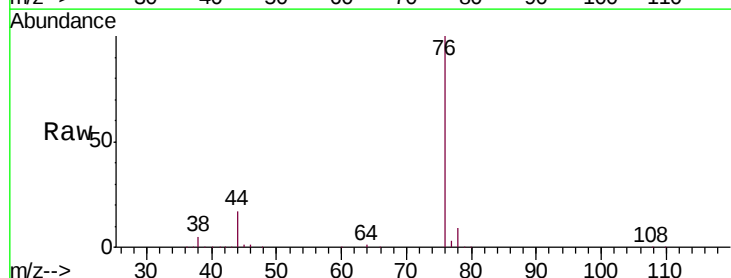
Acq: 13 Aug 2019 20:02

Tgt Ion: 76 Resp: 345375

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

120000

100000

80000

60000

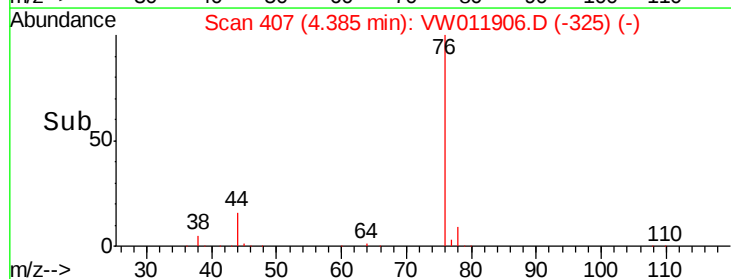
40000

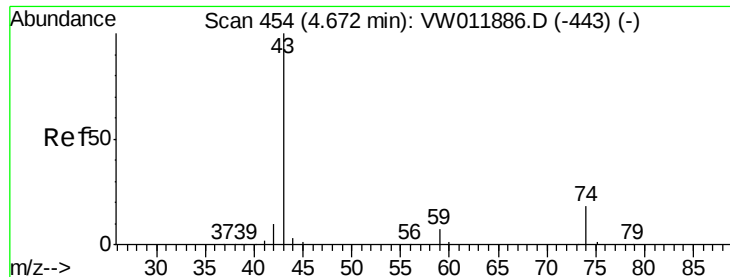
20000

0

4.30 4.40 4.50

Time-->





#15

Methyl Acetate

Concen: 22.855 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Instrument :

MSVOA_W

ClientSampled :

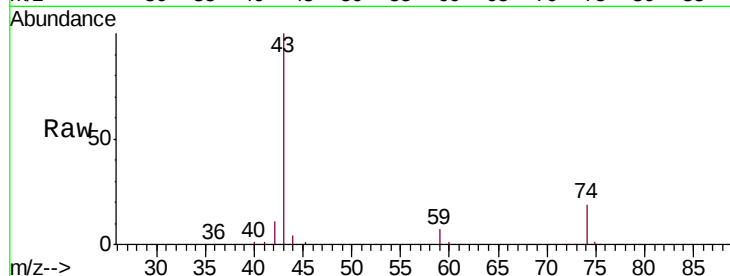
VSTD02513

Tgt Ion: 43 Resp: 79711

Ion Ratio Lower Upper

43 100

74 19.5 15.0 22.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

25000

20000

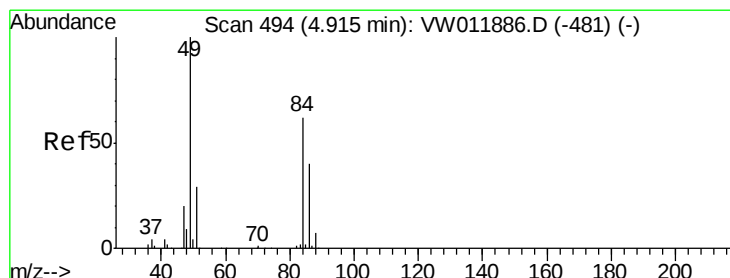
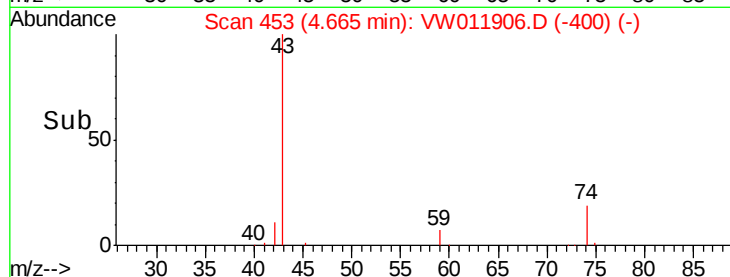
15000

10000

5000

0

Time-->



#16

Methylene chloride

Concen: 26.158 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

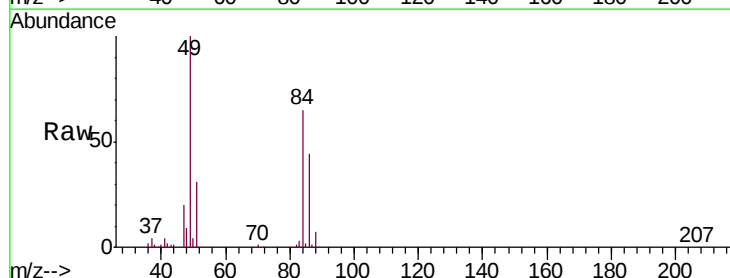
Tgt Ion: 84 Resp: 128232

Ion Ratio Lower Upper

84 100

49 153.7 106.8 198.4

86 67.0 42.8 79.4



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

4.92

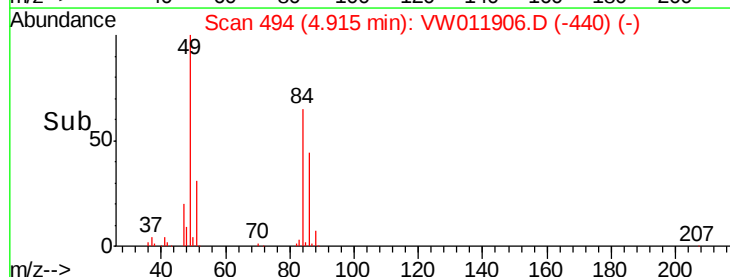
60000

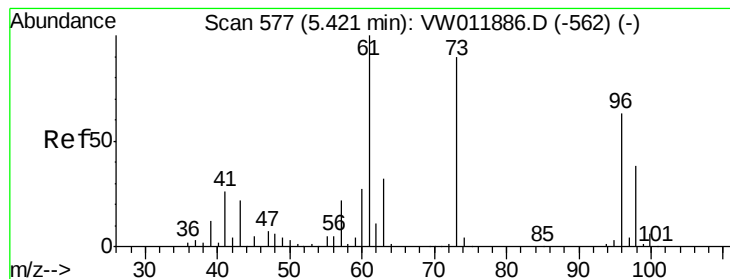
40000

20000

0

Time-->





#17

Methyl tert-butyl Ether

Concen: 26.373 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

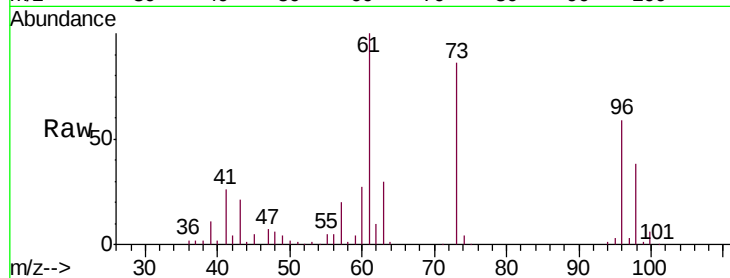
Tgt Ion: 73 Resp: 198151

Ion Ratio Lower Upper

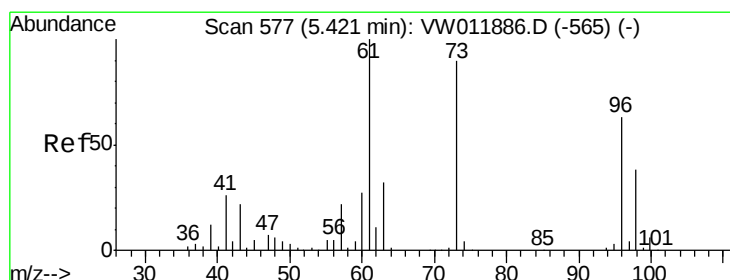
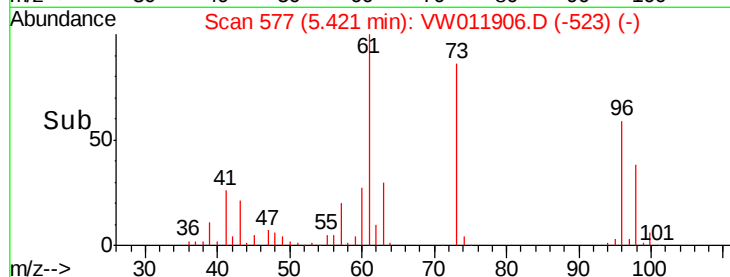
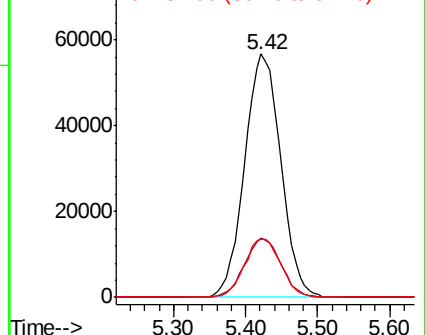
73 100

43 24.3 19.3 28.9

57 24.1 19.7 29.5



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



#18

trans-1,2-Dichloroethene

Concen: 25.464 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

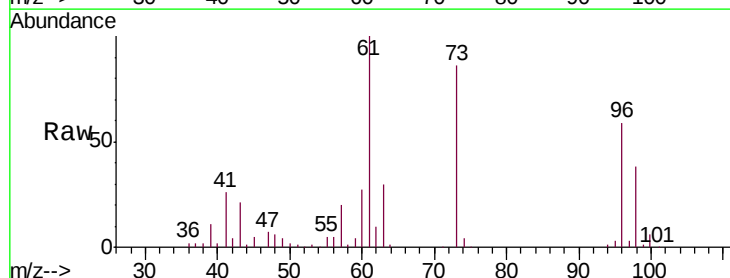
Tgt Ion: 96 Resp: 118697

Ion Ratio Lower Upper

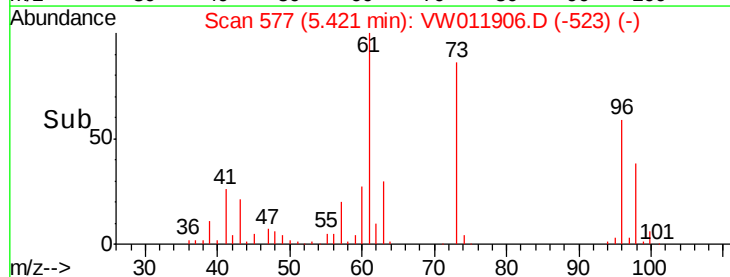
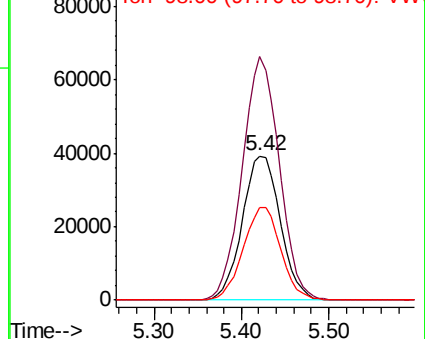
96 100

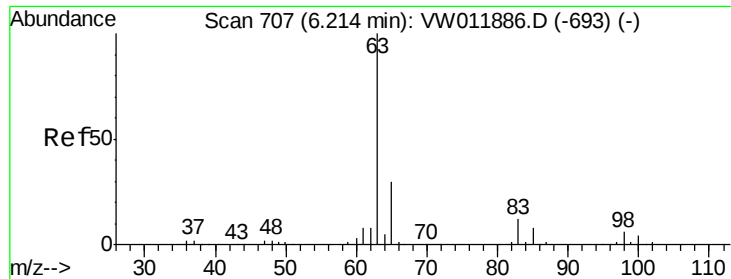
61 168.7 114.2 212.0

98 64.1 45.6 84.6



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

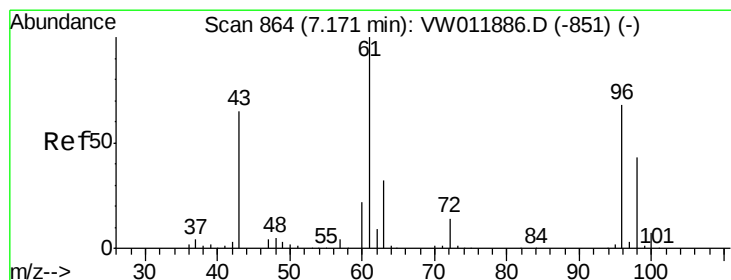
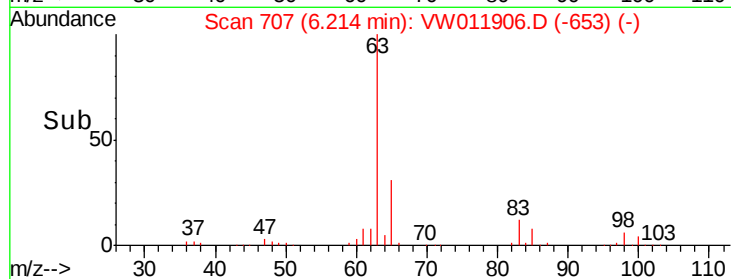
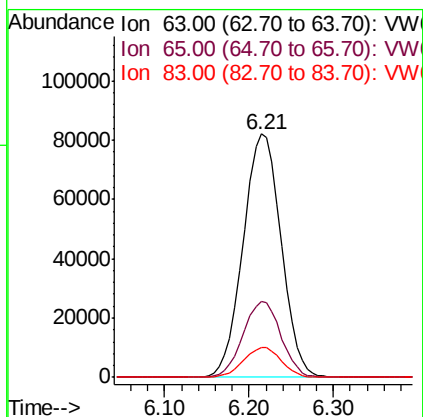
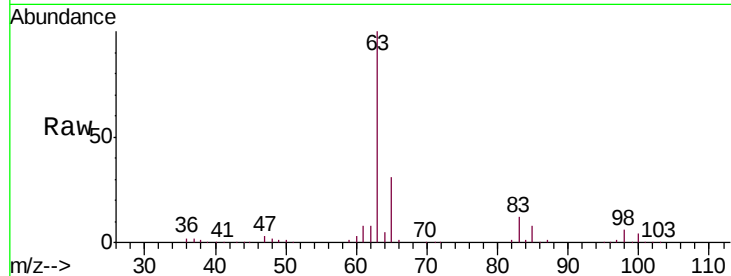




#19
 1,1-Dichloroethane
 Concen: 27.013 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW011906.D
 Acq: 13 Aug 2019 20:02

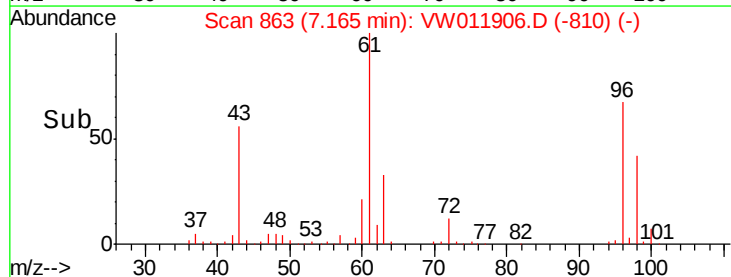
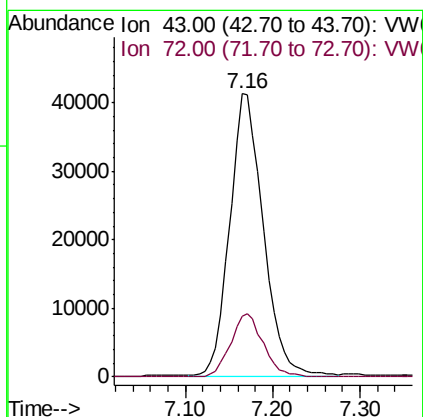
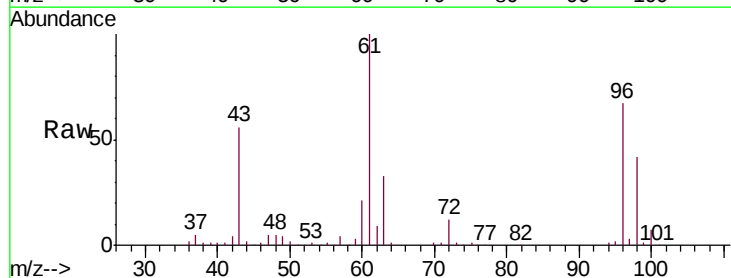
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02513

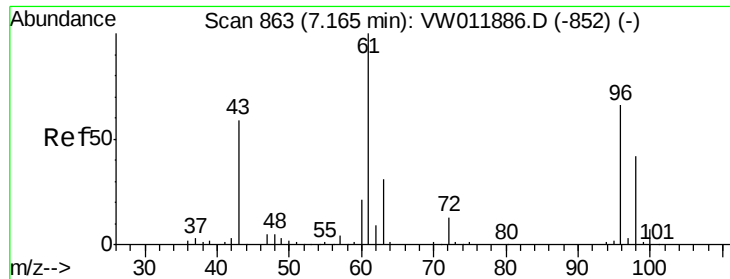
Tgt Ion: 63 Resp: 251550
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.7 40.3
 83 12.4 8.4 15.6



#21
 2-Butanone
 Concen: 41.107 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011906.D
 Acq: 13 Aug 2019 20:02

Tgt Ion: 43 Resp: 109939
 Ion Ratio Lower Upper
 43 100
 72 21.8 10.7 32.1

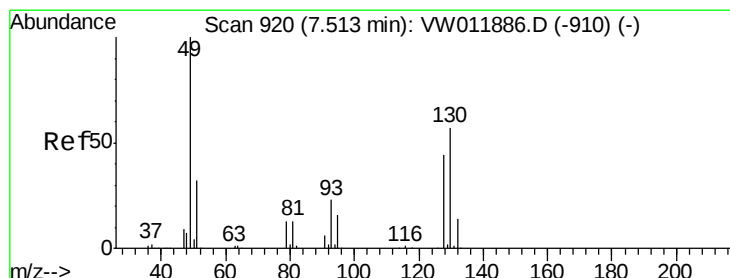
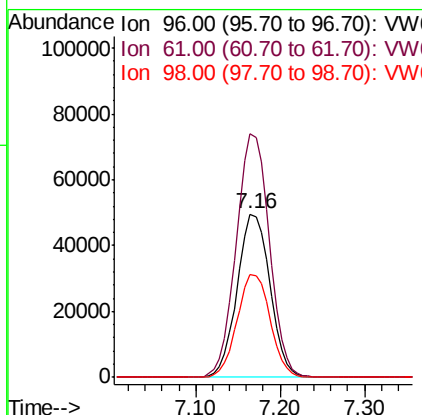
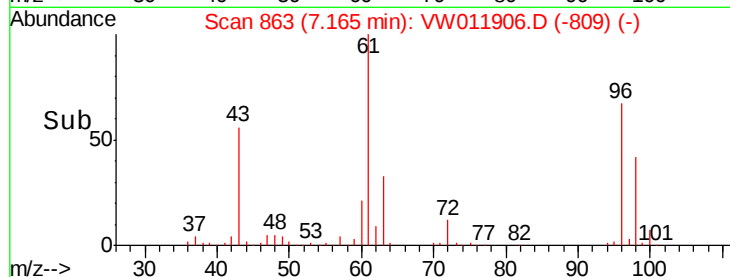
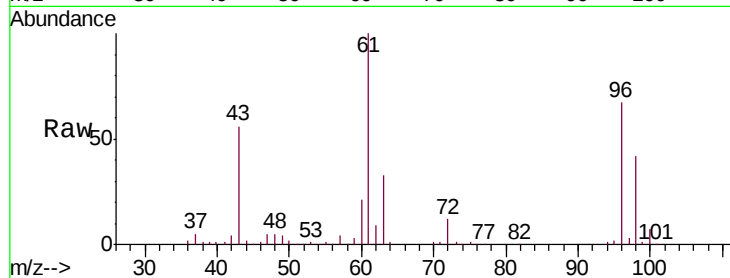




#22
 cis-1,2-Dichloroethene
 Concen: 26.804 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011906.D
 Acq: 13 Aug 2019 20:02

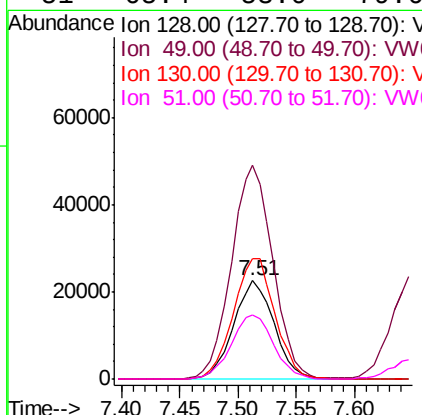
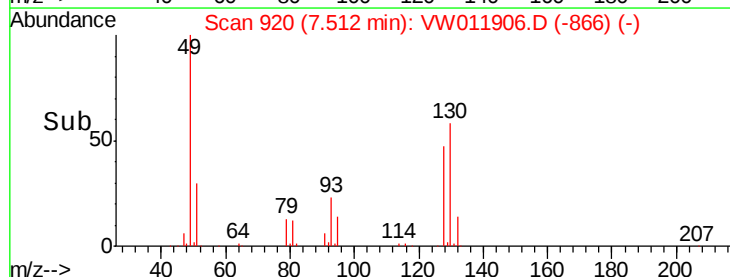
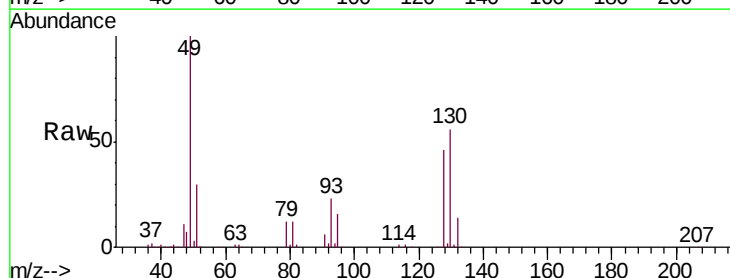
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

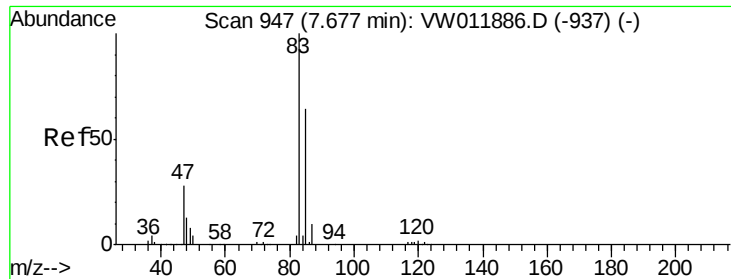
Tgt Ion: 96 Resp: 130716
 Ion Ratio Lower Upper
 96 100
 61 149.0 103.9 192.9
 98 62.9 43.5 80.9



#23
 Bromochloromethane
 Concen: 26.343 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW011906.D
 Acq: 13 Aug 2019 20:02

Tgt Ion: 128 Resp: 54660
 Ion Ratio Lower Upper
 128 100
 49 217.2 153.6 285.3
 130 122.0 89.5 166.3
 51 65.4 53.0 79.6





#25

Chloroform

Concen: 27.381 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

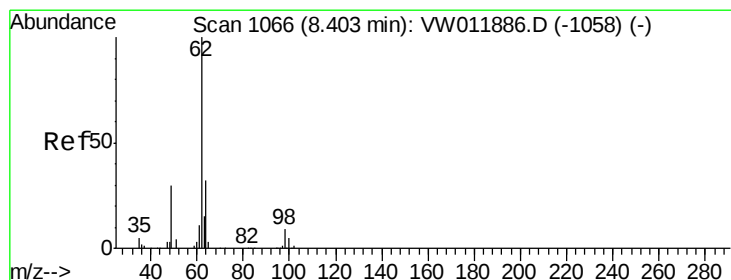
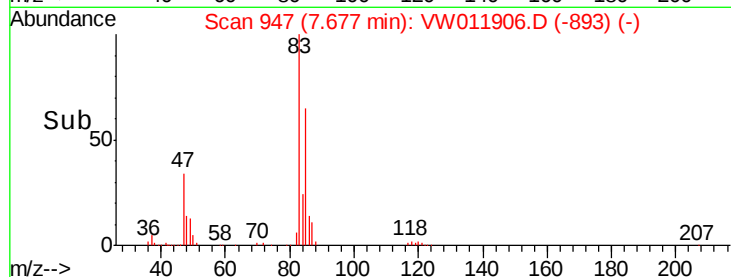
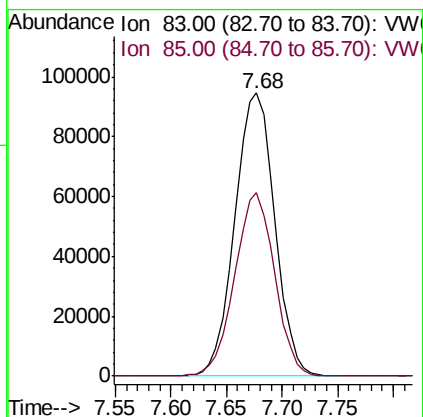
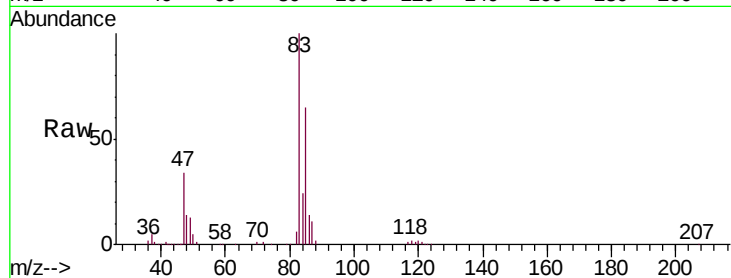
VSTD02513

Tgt Ion: 83 Resp: 235008

Ion Ratio Lower Upper

83 100

85 65.0 45.4 84.2



#27

1,2-Dichloroethane

Concen: 27.271 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW011906.D

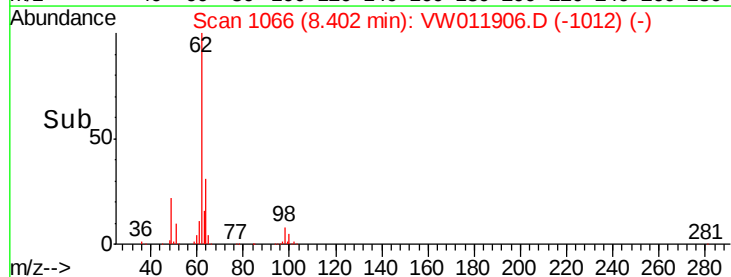
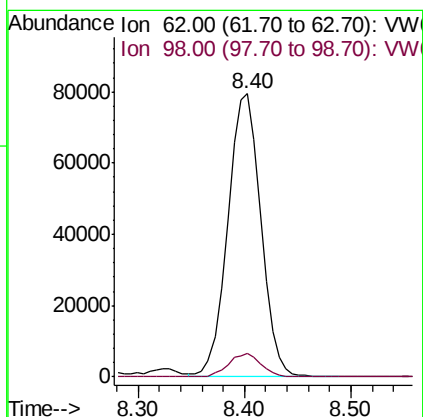
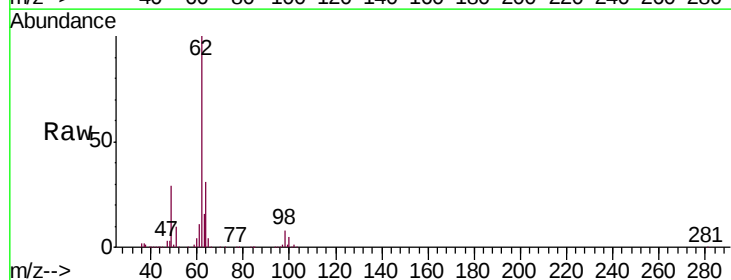
Acq: 13 Aug 2019 20:02

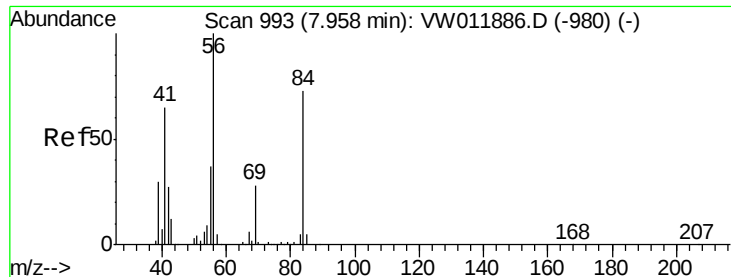
Tgt Ion: 62 Resp: 173277

Ion Ratio Lower Upper

62 100

98 8.3 7.2 10.8

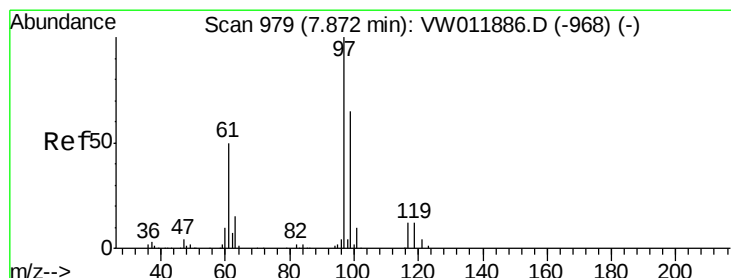
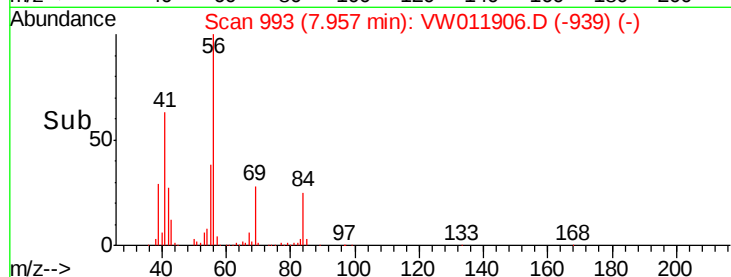
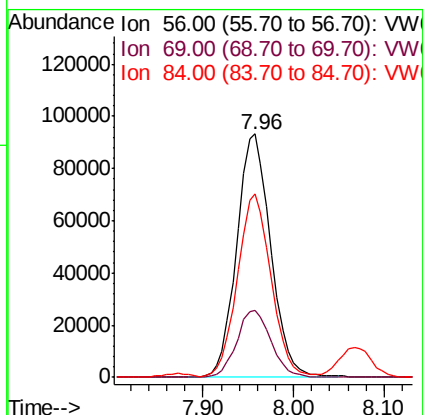
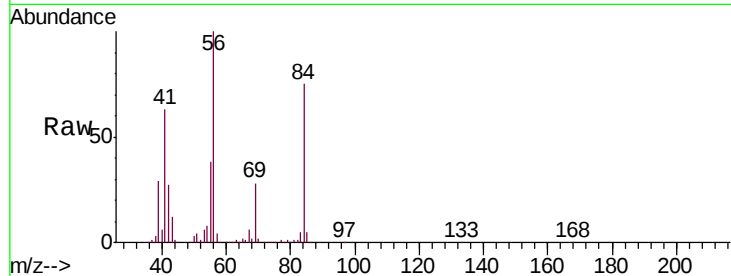




#30
Cyclohexane
Concen: 25.137 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW011906.D
Acq: 13 Aug 2019 20:02

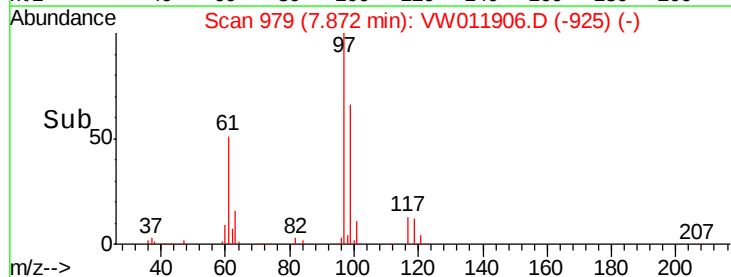
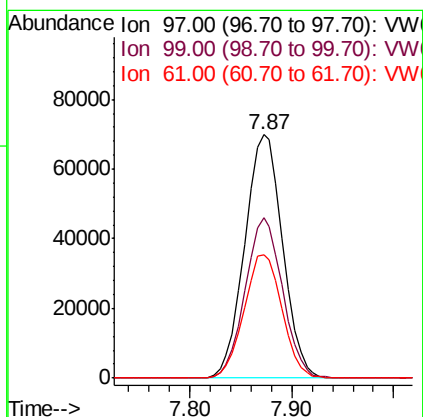
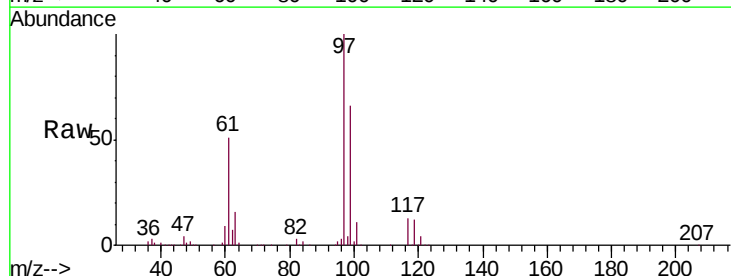
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

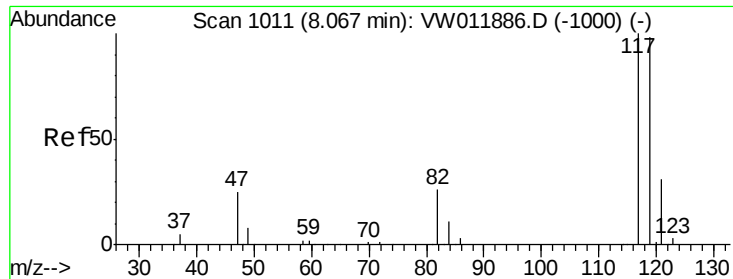
Tgt Ion: 56 Resp: 242584
Ion Ratio Lower Upper
56 100
69 27.8 22.4 33.6
84 74.6 60.6 91.0



#31
1,1,1-Trichloroethane
Concen: 26.730 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011906.D
Acq: 13 Aug 2019 20:02

Tgt Ion: 97 Resp: 180825
Ion Ratio Lower Upper
97 100
99 64.6 52.1 78.1
61 51.0 40.3 60.5





#32

Carbon tetrachloride

Concen: 26.379 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

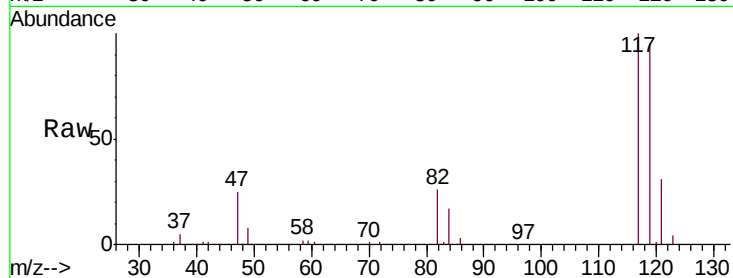
VSTD02513

Tgt Ion:117 Resp: 167878

Ion Ratio Lower Upper

117 100

119 94.8 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

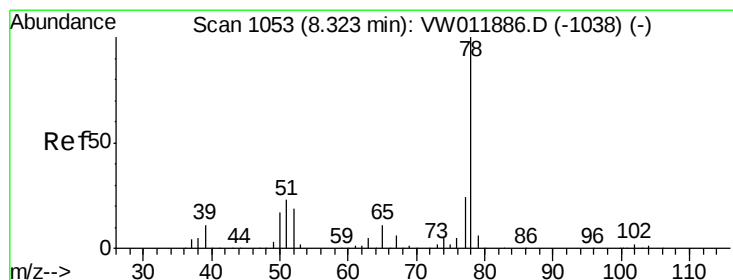
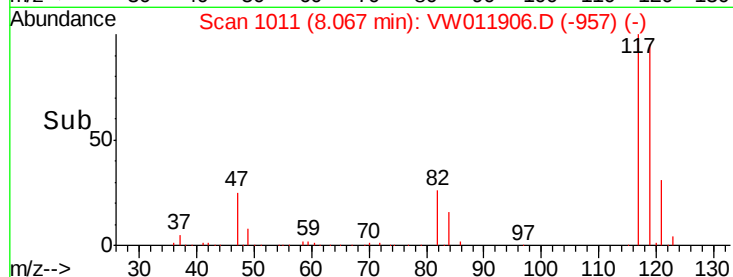
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 26.848 ug/L

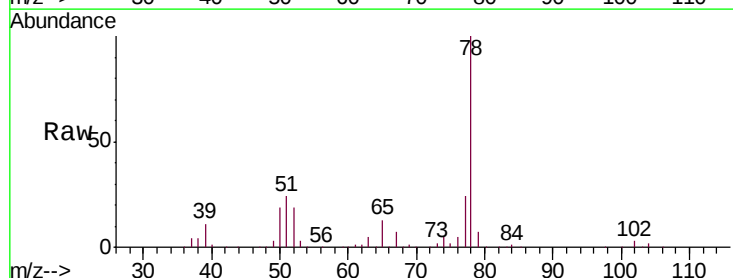
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Tgt Ion: 78 Resp: 522350



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

250000

200000

150000

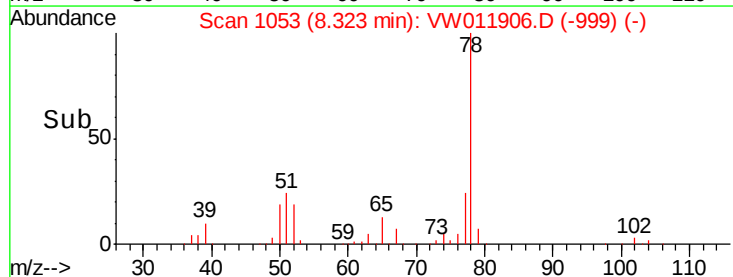
100000

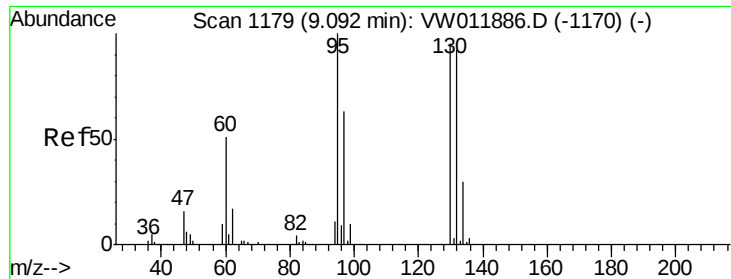
50000

0

8.20 8.30 8.40

Time-->

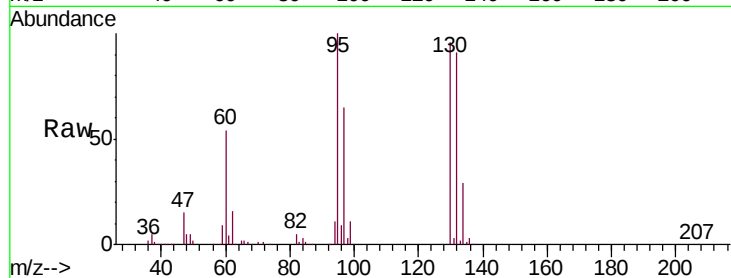




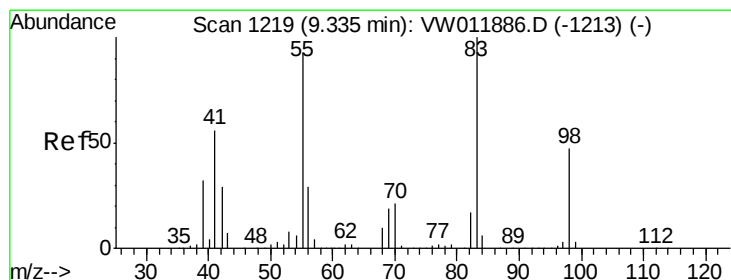
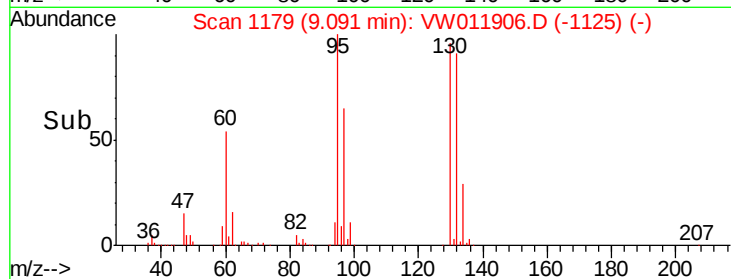
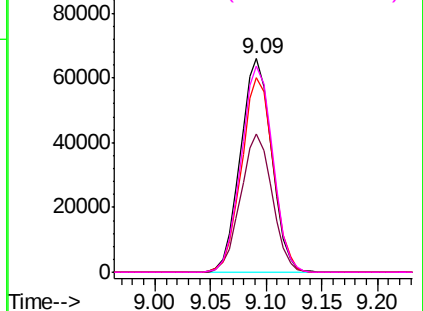
#35
 Trichloroethene
 Concen: 26.030 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW011906.D
 Acq: 13 Aug 2019 20:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Tgt Ion:	95	Resp:	128567
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.8	83.2
132	92.1	65.0	120.6
130	97.6	68.0	126.4

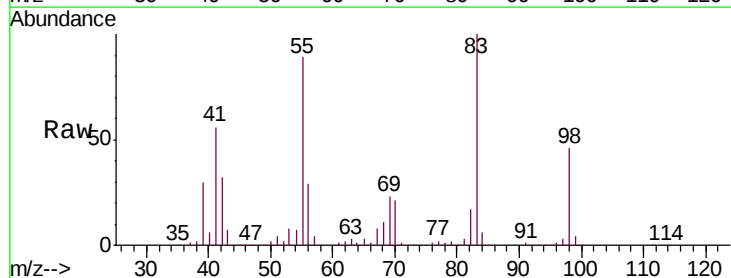


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

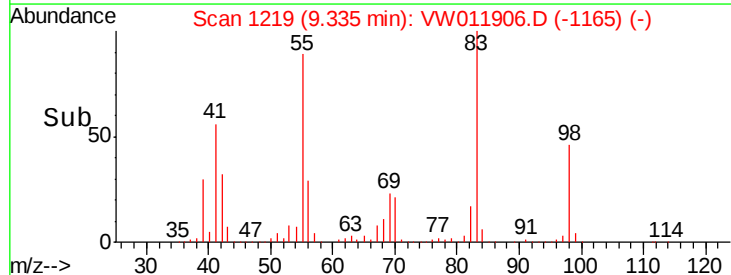
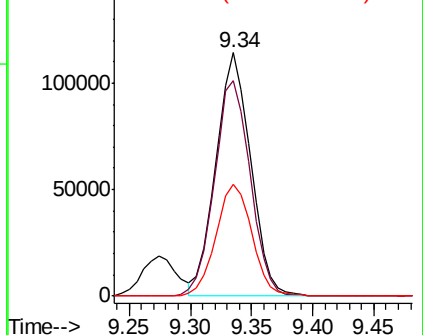


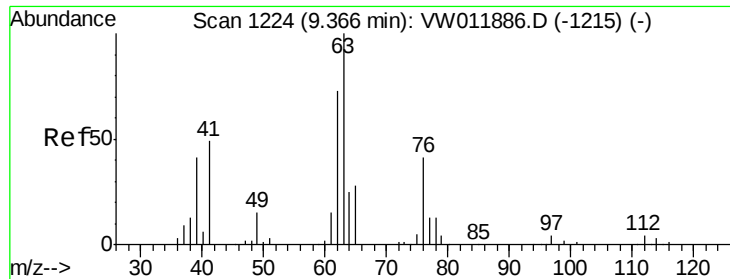
#36
 Methylcyclohexane
 Concen: 25.088 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW011906.D
 Acq: 13 Aug 2019 20:02

Tgt Ion:	83	Resp:	224798
Ion	Ratio	Lower	Upper
83	100		
55	91.3	72.6	108.8
98	47.6	37.8	56.6



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

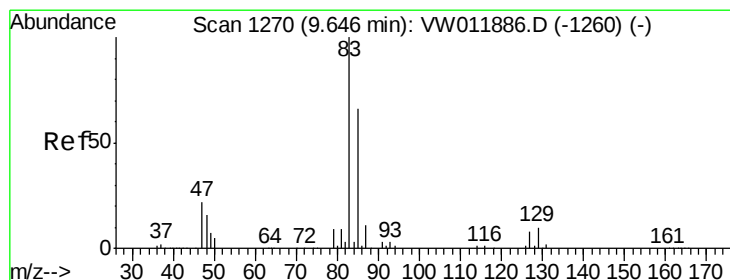
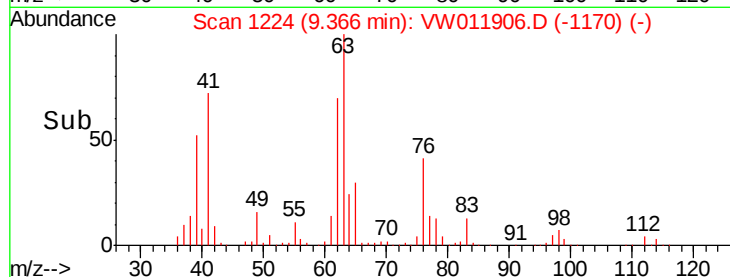
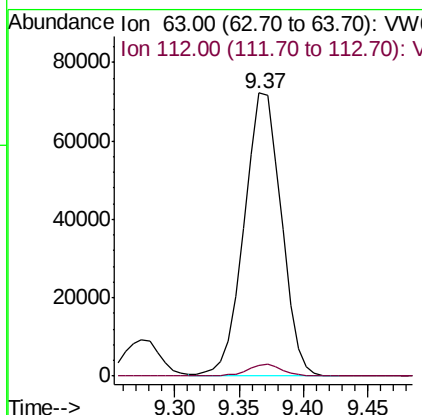
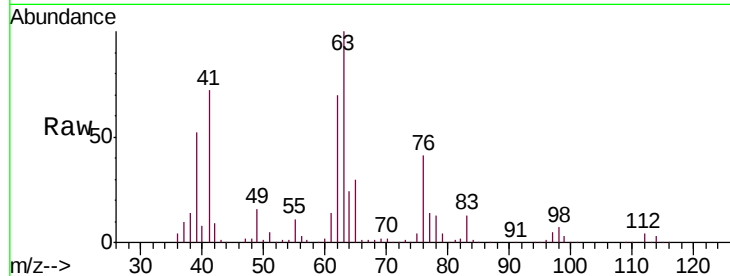




#40
 1,2-Dichloropropane
 Concen: 27.847 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011906.D
 Acq: 13 Aug 2019 20:02

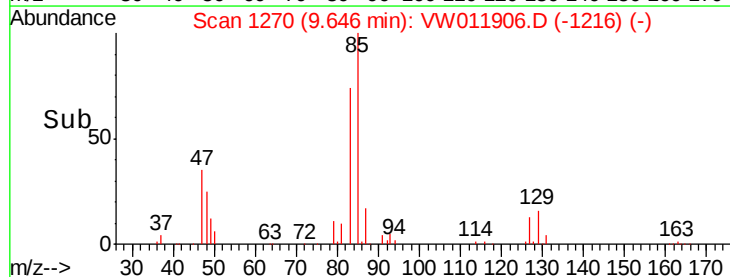
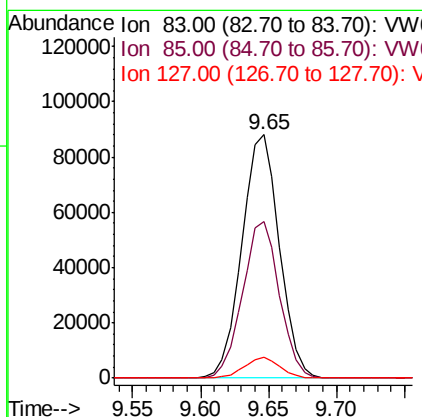
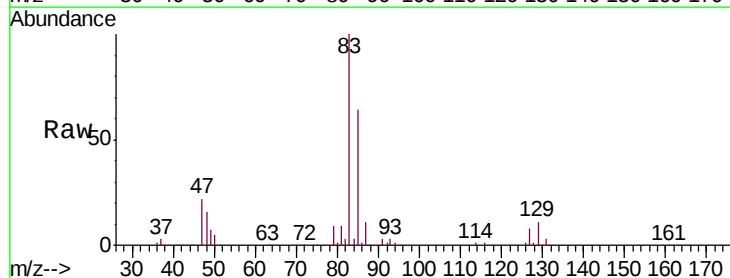
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

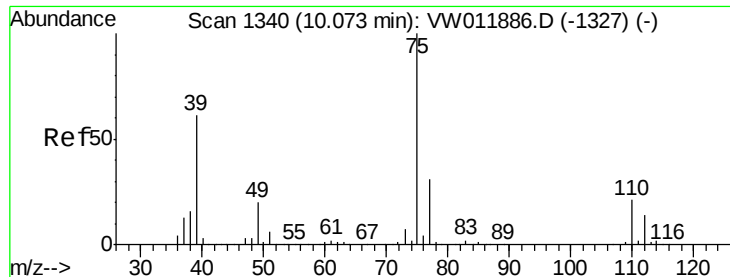
Tgt Ion: 63 Resp: 144617
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#41
 Bromodichloromethane
 Concen: 27.690 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW011906.D
 Acq: 13 Aug 2019 20:02

Tgt Ion: 83 Resp: 169693
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.0 81.6
 127 8.4 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 27.656 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Instrument :

MSVOA_W

ClientSampled :

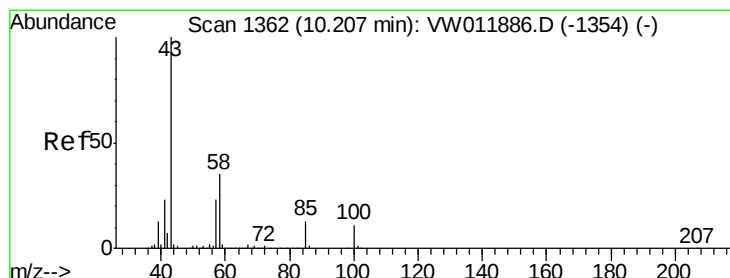
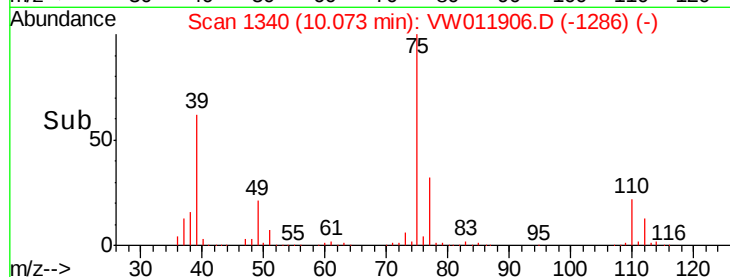
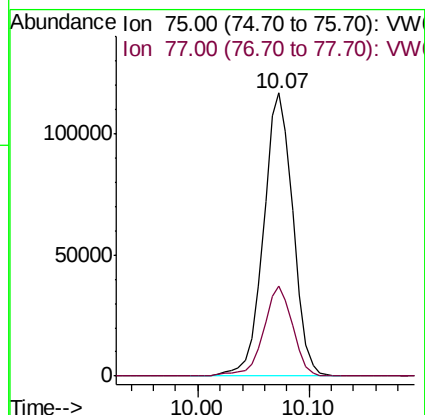
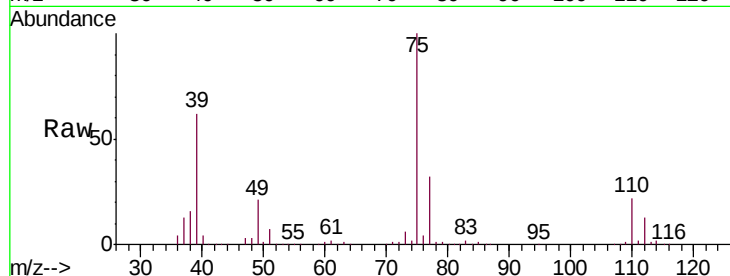
VSTD02513

Tgt Ion: 75 Resp: 214829

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 49.328 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

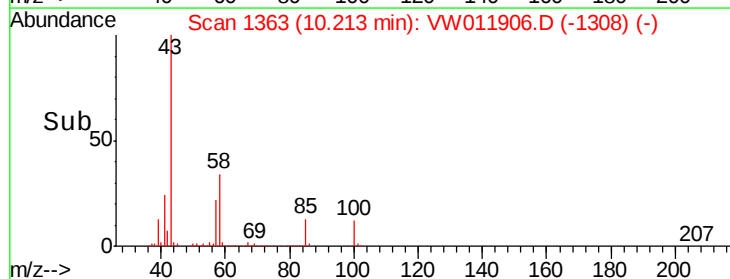
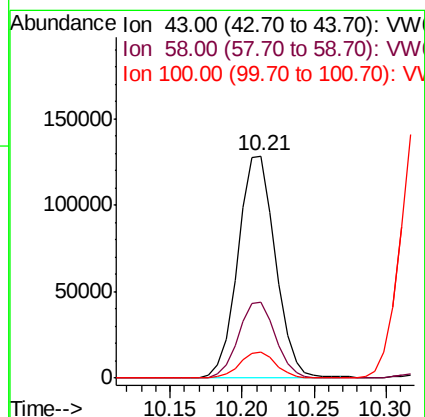
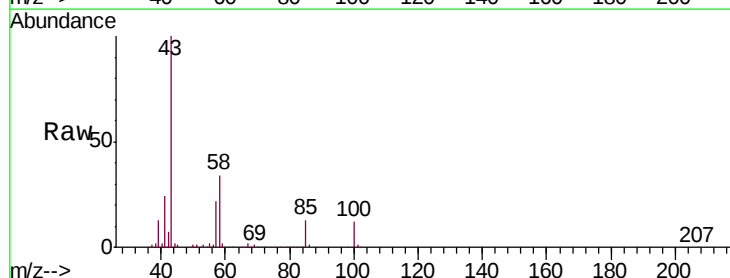
Tgt Ion: 43 Resp: 232108

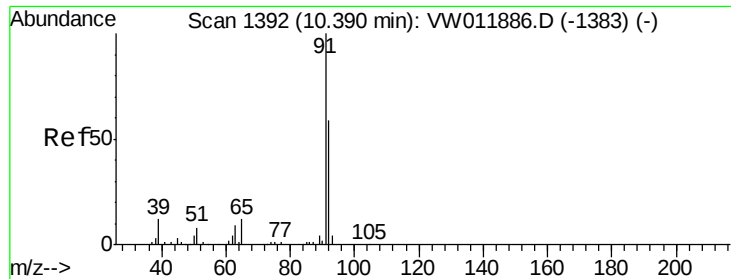
Ion Ratio Lower Upper

43 100

58 34.2 28.0 42.0

100 11.5 9.4 14.2





#44

Toluene

Concen: 27.344 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

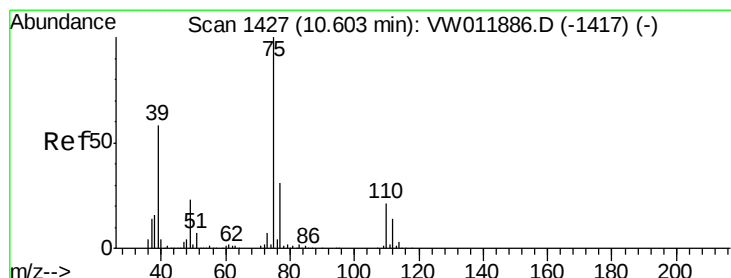
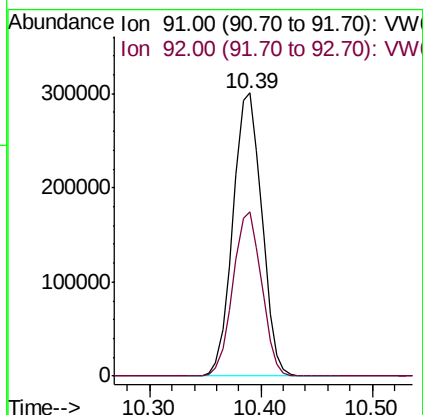
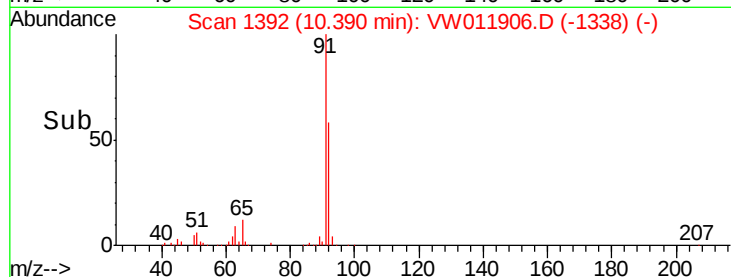
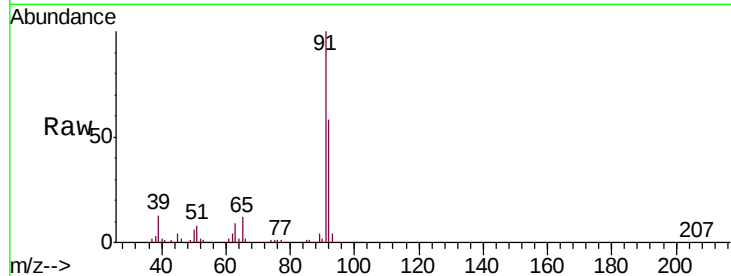
VSTD02513

Tgt Ion: 91 Resp: 540499

Ion Ratio Lower Upper

91 100

92 57.9 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 26.688 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011906.D

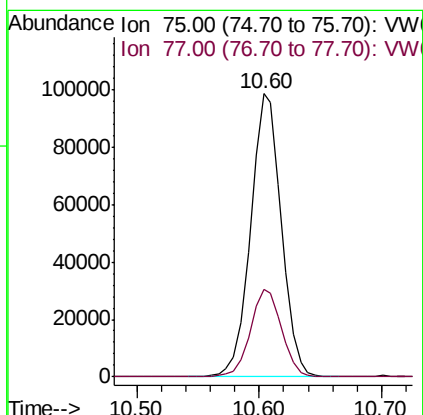
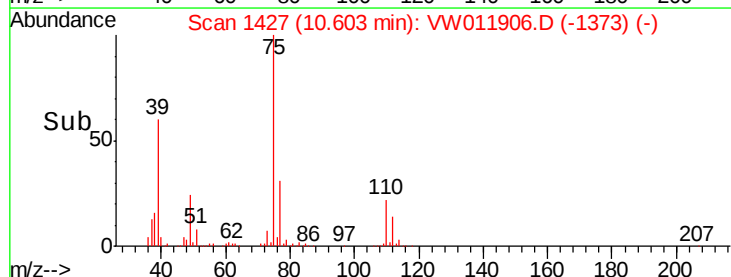
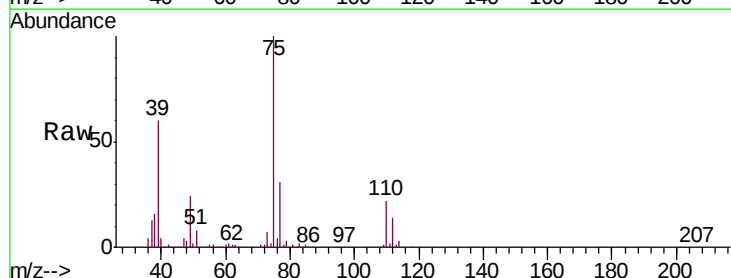
Acq: 13 Aug 2019 20:02

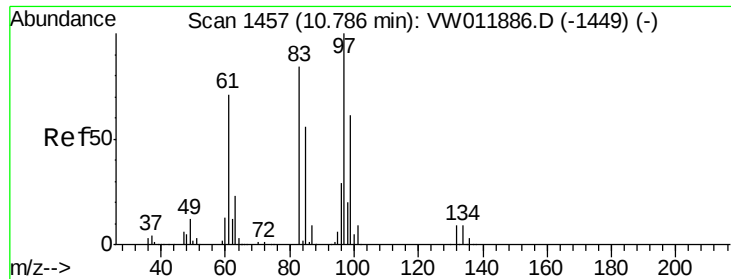
Tgt Ion: 75 Resp: 172483

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 26.126 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

Tgt Ion: 97 Resp: 92503

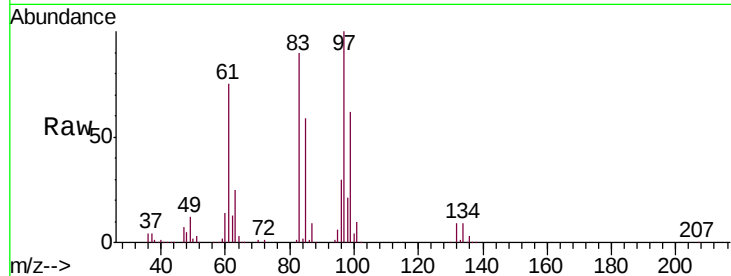
Ion Ratio Lower Upper

97 100

83 89.5 63.8 118.6

85 58.6 39.3 72.9

99 61.6 43.5 80.7



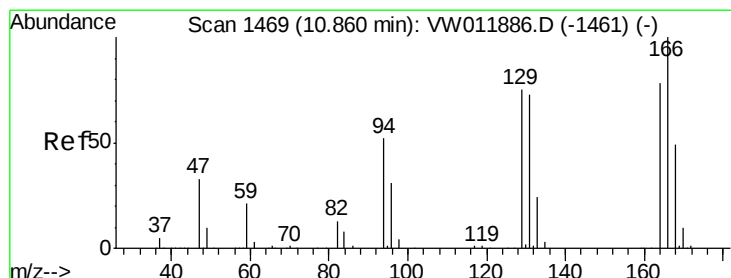
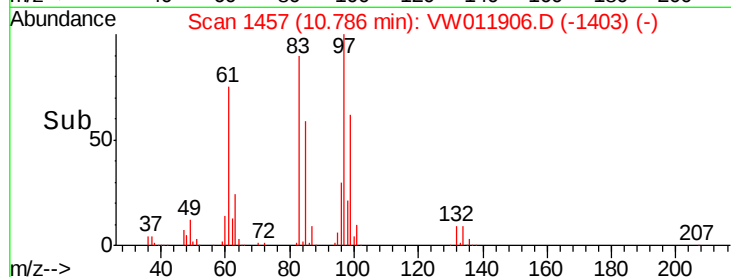
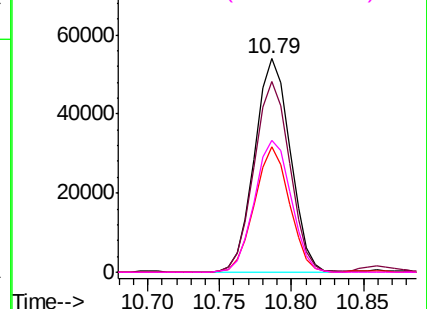
Abundance

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: 25.431 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Tgt Ion: 164 Resp: 95943

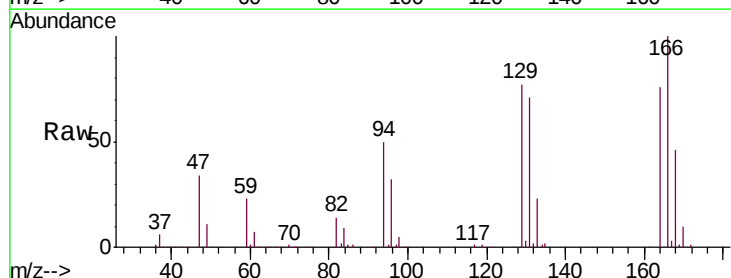
Ion Ratio Lower Upper

164 100

129 101.1 64.0 119.0

131 93.6 58.6 108.8

166 131.0 91.7 170.3



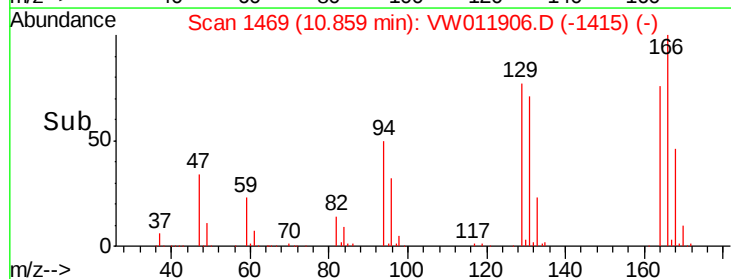
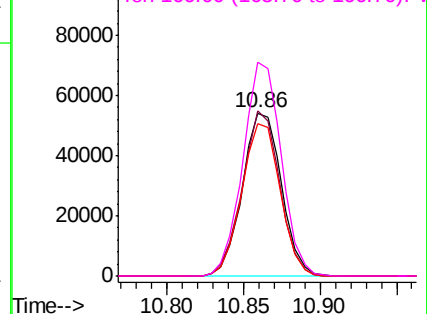
Abundance

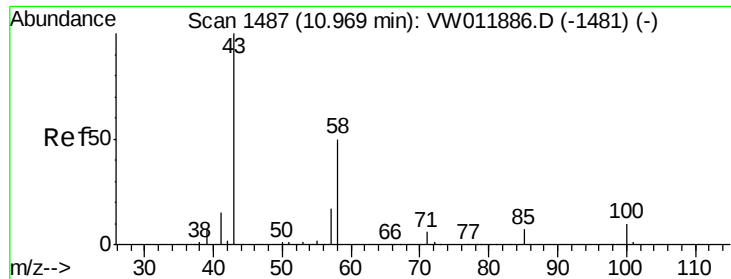
Ion 164.00 (163.70 to 164.70): V

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: 44.872 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

Tgt Ion: 43 Resp: 162671

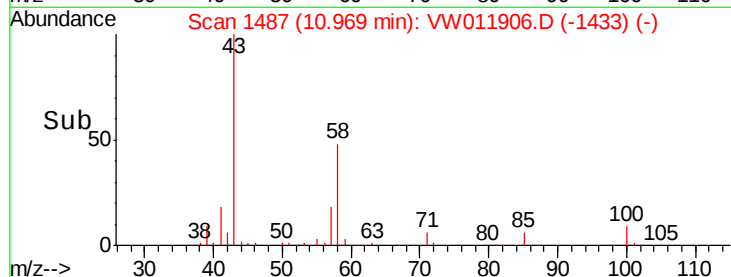
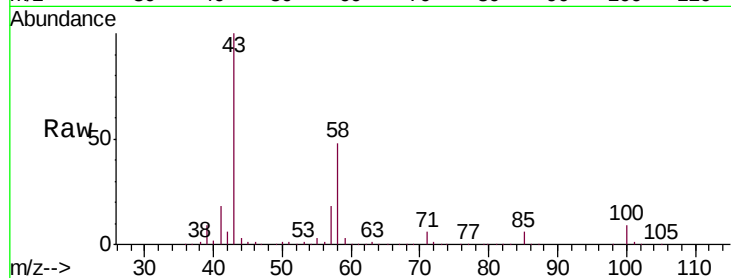
Ion Ratio Lower Upper

43 100

58 49.9 38.6 57.8

57 17.4 13.0 19.6

100 9.5 7.5 11.3

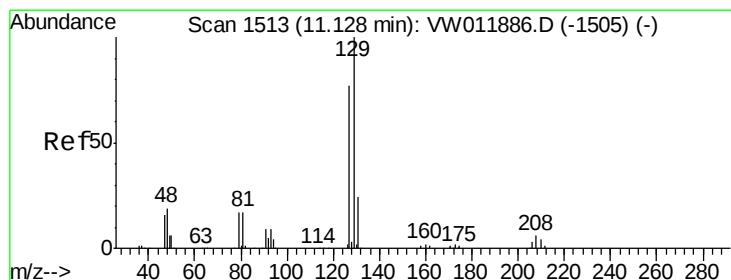
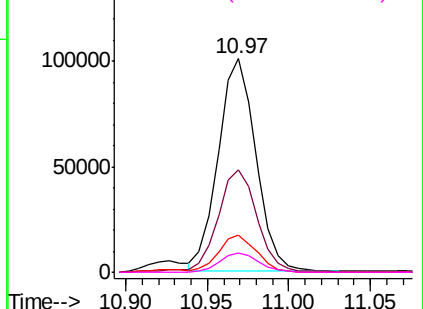


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 27.389 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011906.D

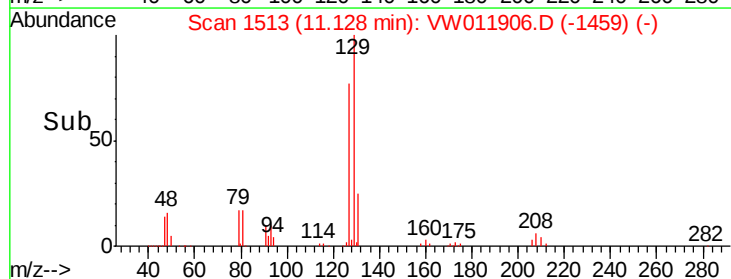
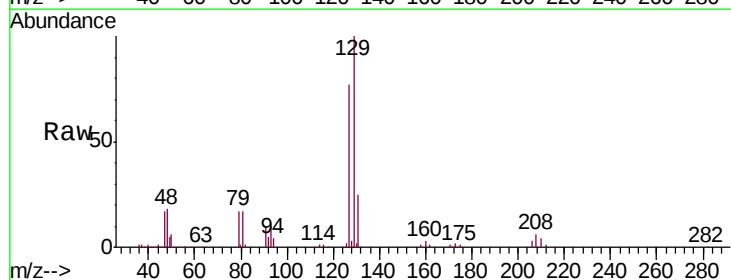
Acq: 13 Aug 2019 20:02

Tgt Ion: 129 Resp: 106891

Ion Ratio Lower Upper

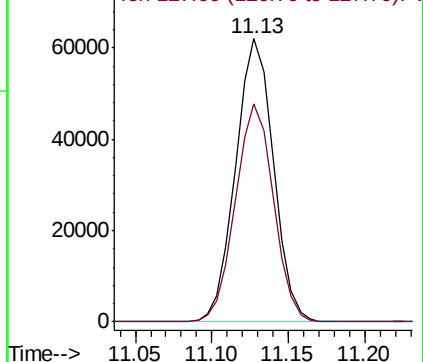
129 100

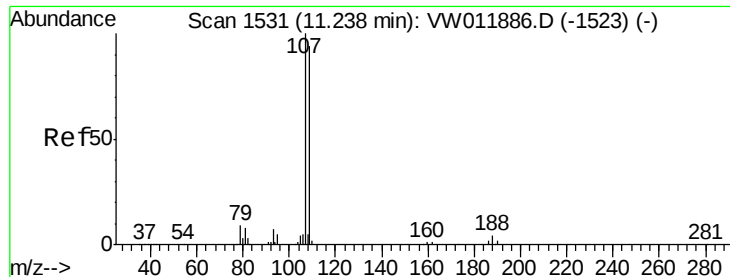
127 76.9 52.6 97.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

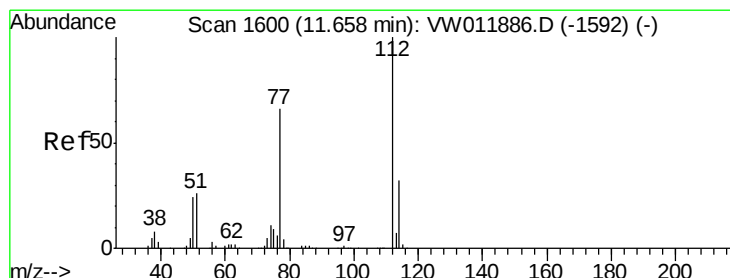
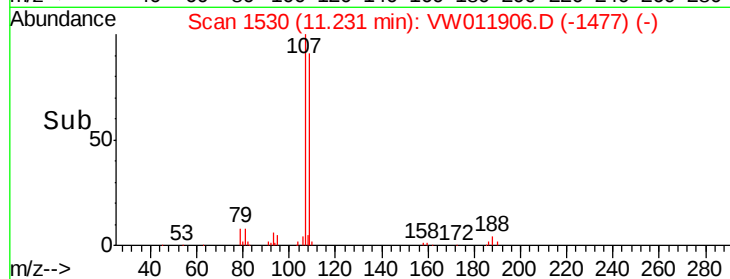
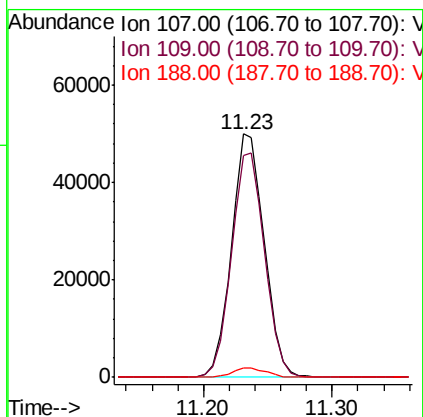
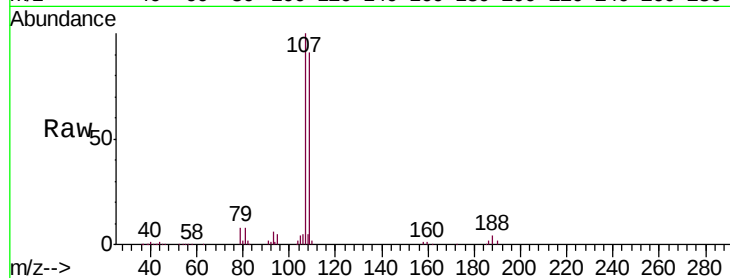




#51
1,2-Dibromoethane
Concen: 25.611 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW011906.D
Acq: 13 Aug 2019 20:02

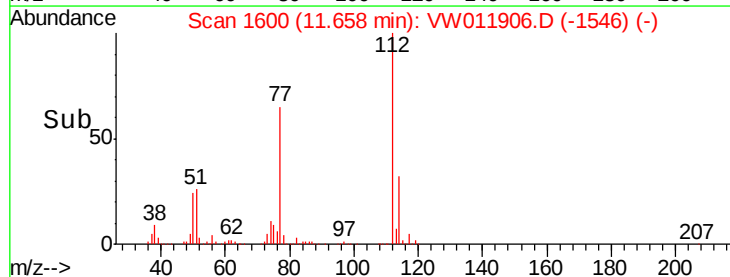
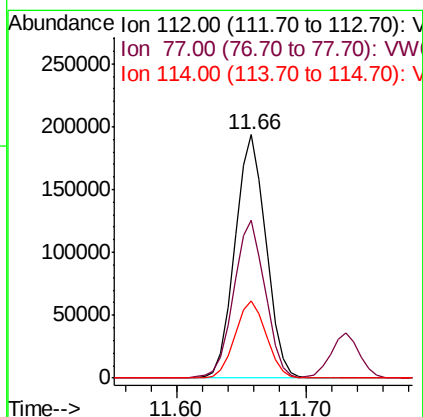
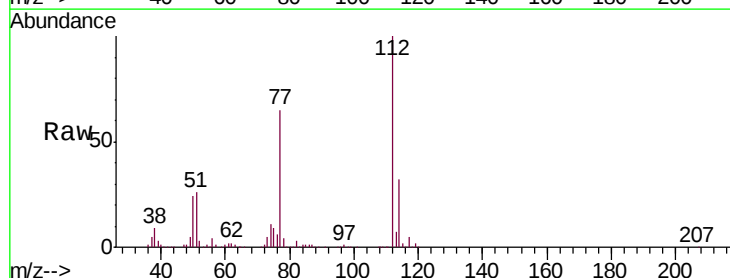
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

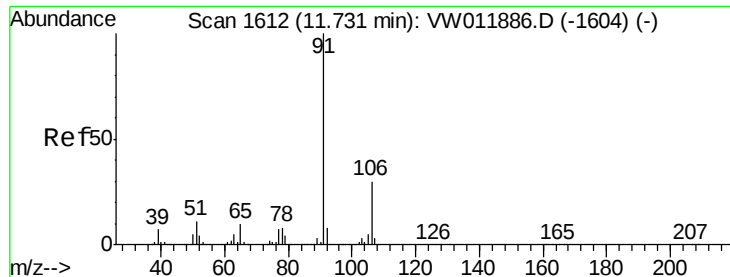
Tgt Ion:107 Resp: 88240
Ion Ratio Lower Upper
107 100
109 91.2 66.1 122.8
188 3.9 2.9 4.3



#52
Chlorobenzene
Concen: 26.994 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011906.D
Acq: 13 Aug 2019 20:02

Tgt Ion:112 Resp: 321913
Ion Ratio Lower Upper
112 100
77 64.7 51.0 76.4
114 31.6 22.4 41.6

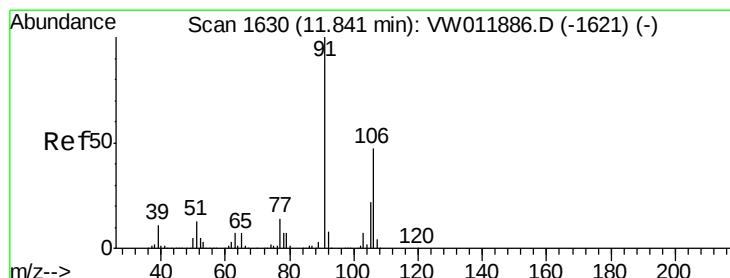
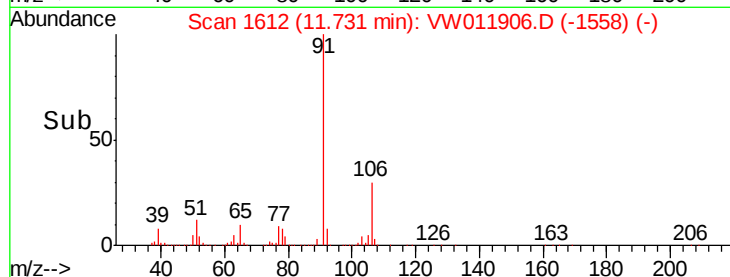
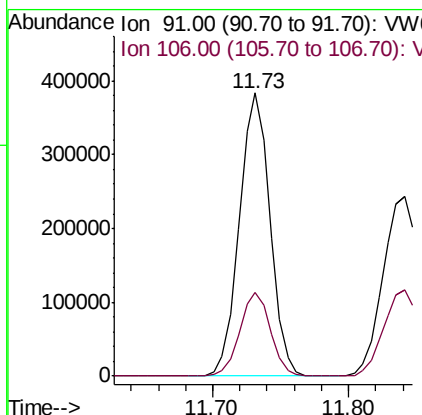
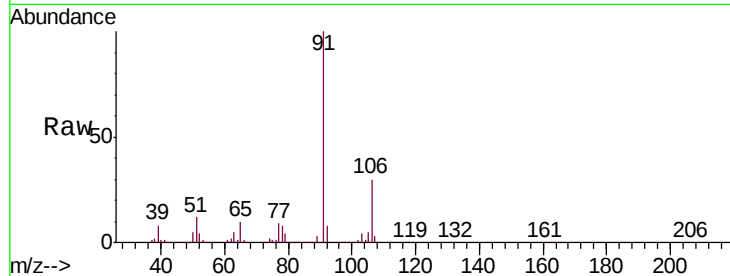




#53
Ethylbenzene
Concen: 27.365 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011906.D
Acq: 13 Aug 2019 20:02

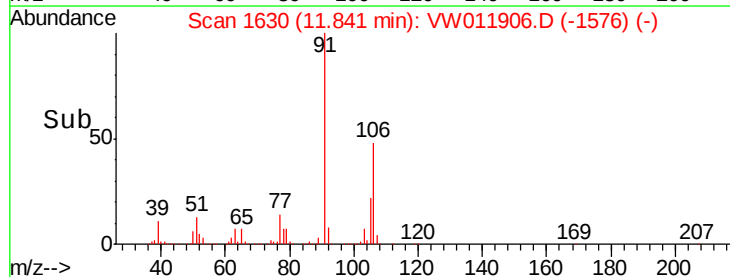
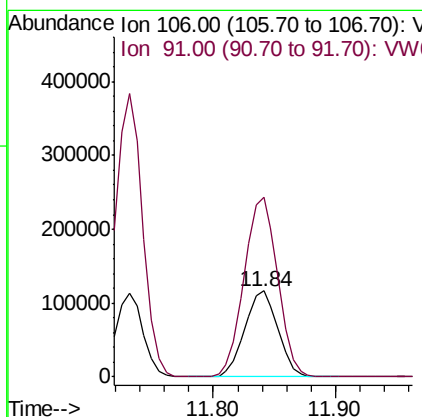
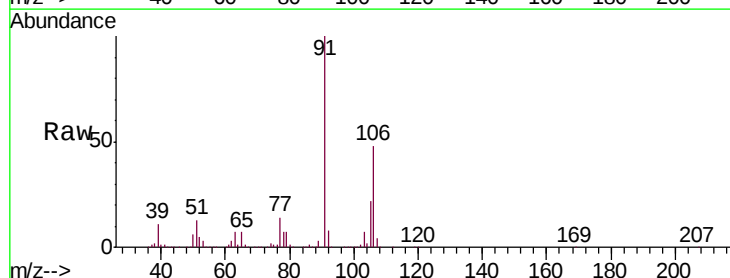
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

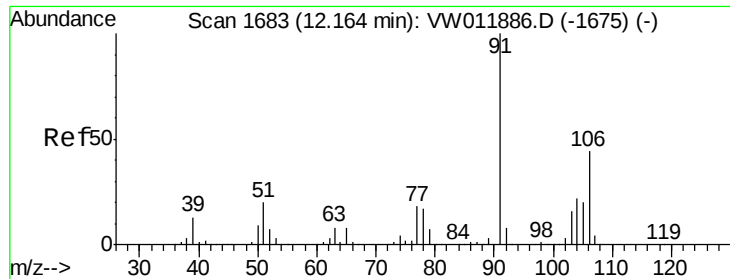
Tgt Ion: 91 Resp: 603219
Ion Ratio Lower Upper
91 100
106 29.6 20.6 38.4



#54
m,p-Xylene
Concen: 27.330 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011906.D
Acq: 13 Aug 2019 20:02

Tgt Ion: 106 Resp: 219063
Ion Ratio Lower Upper
106 100
91 209.4 149.6 277.8

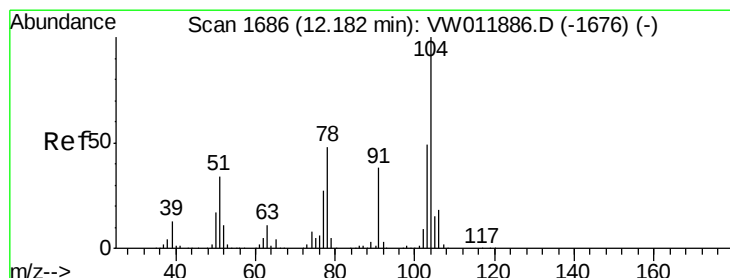
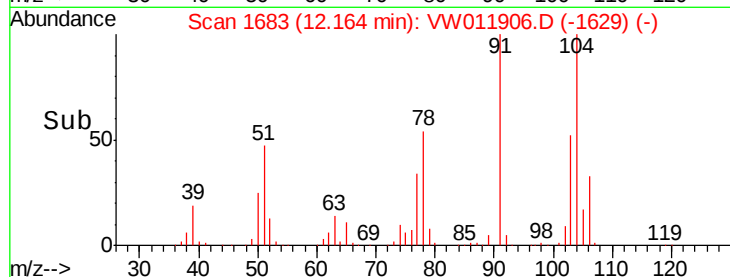
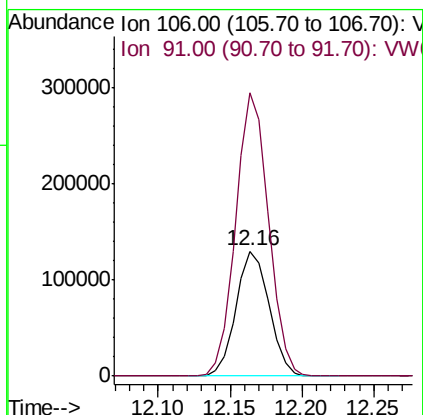
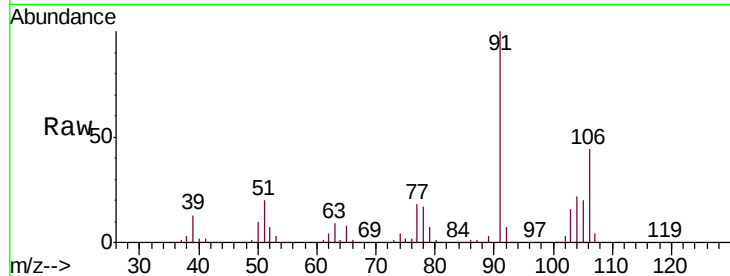




#55
o-xylene
Concen: 27.555 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011906.D
Acq: 13 Aug 2019 20:02

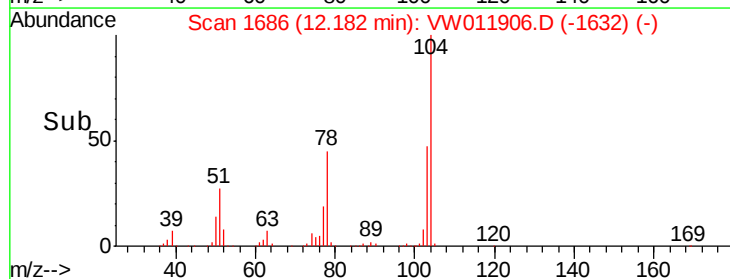
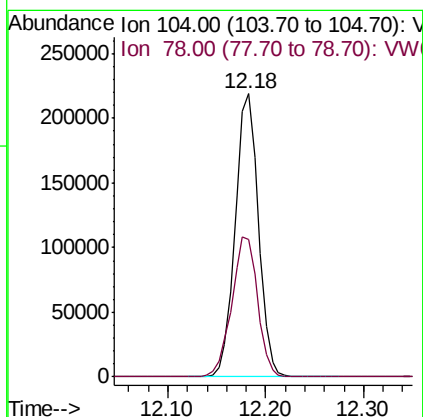
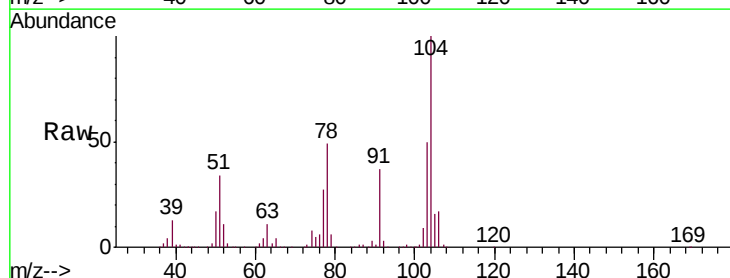
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

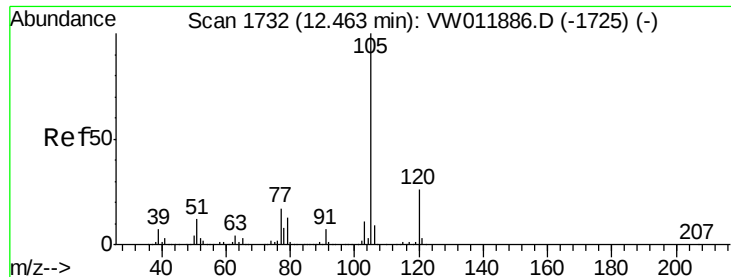
Tgt Ion:106 Resp: 207859
Ion Ratio Lower Upper
106 100
91 226.9 158.3 293.9



#56
Styrene
Concen: 28.185 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011906.D
Acq: 13 Aug 2019 20:02

Tgt Ion:104 Resp: 361466
Ion Ratio Lower Upper
104 100
78 48.6 32.9 61.1





#57

Isopropylbenzene

Concen: 27.580 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

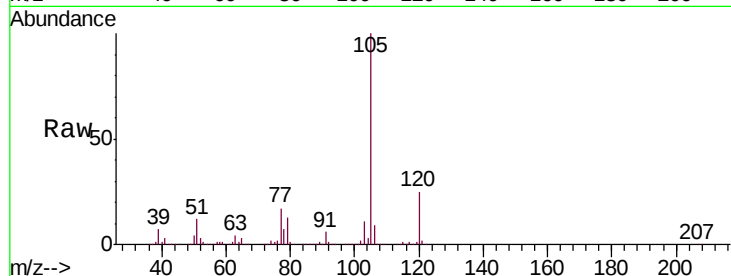
Tgt Ion: 105 Resp: 572361

Ion Ratio Lower Upper

105 100

120 25.5 20.6 30.8

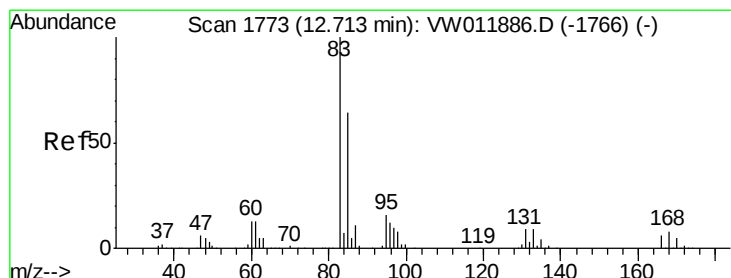
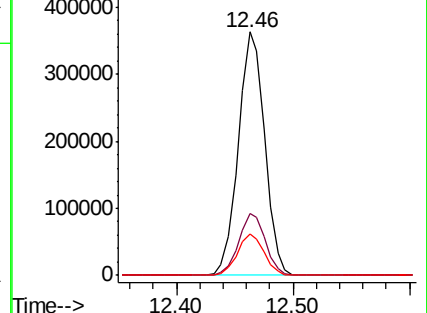
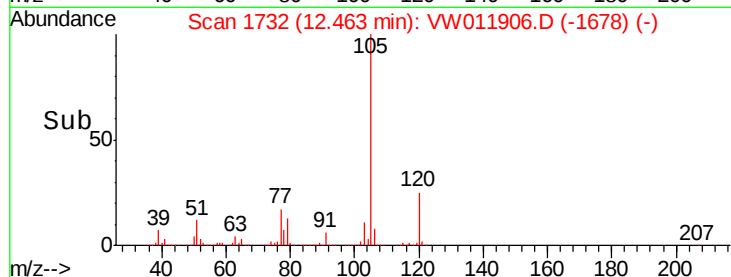
77 17.0 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.580 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

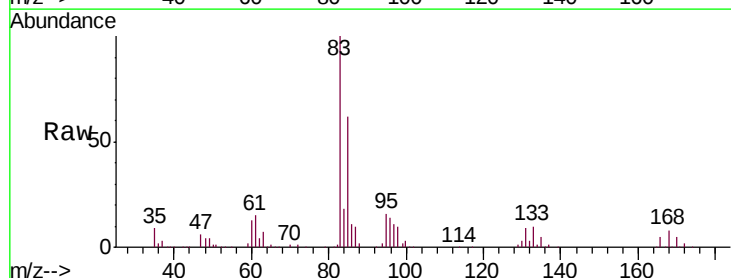
Tgt Ion: 83 Resp: 120358

Ion Ratio Lower Upper

83 100

85 62.4 43.5 80.9

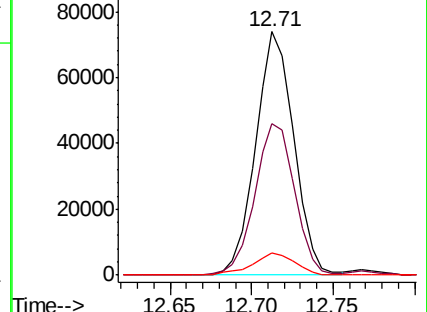
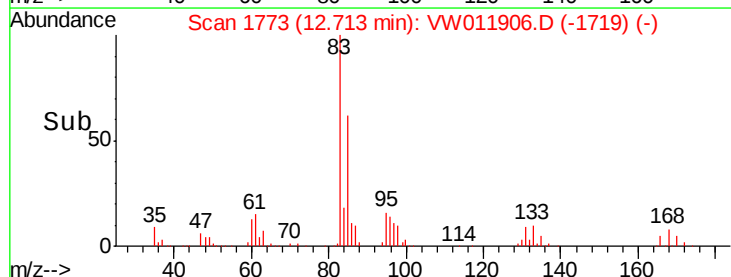
131 9.0 7.5 11.3

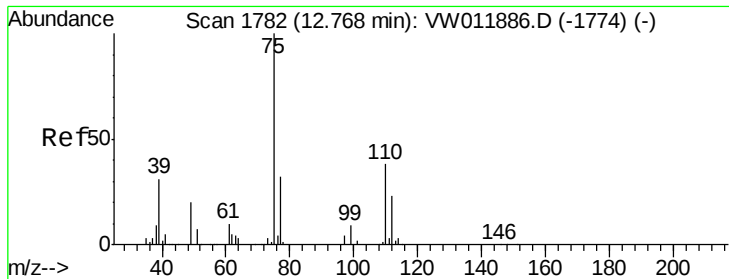


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

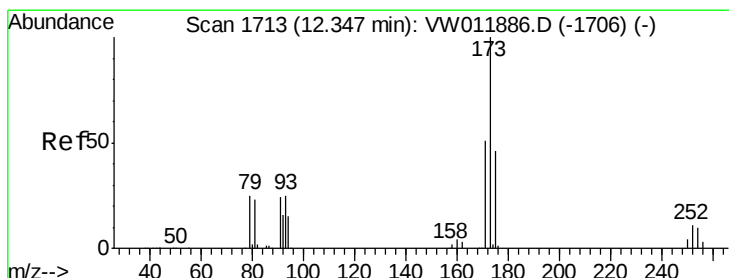
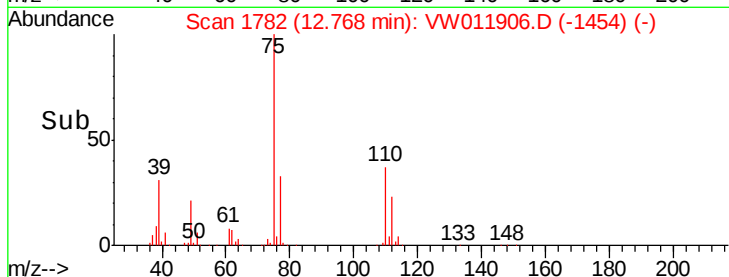
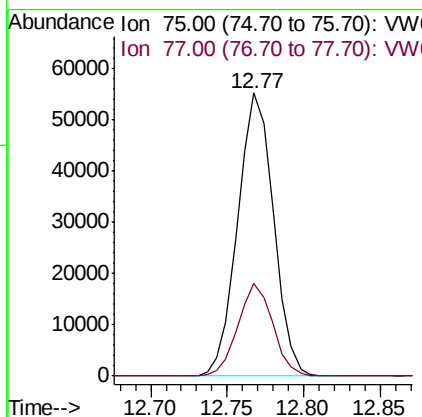
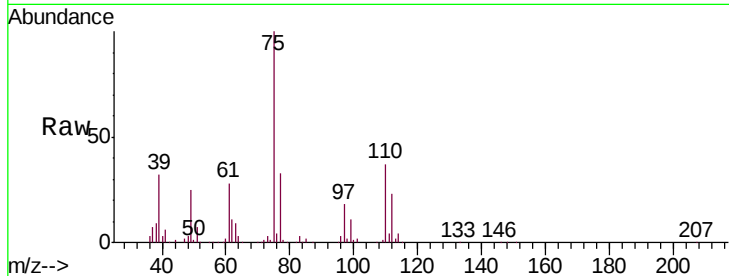




#59
 1,2,3-Trichloropropane
 Concen: 24.828 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011906.D
 Acq: 13 Aug 2019 20:02

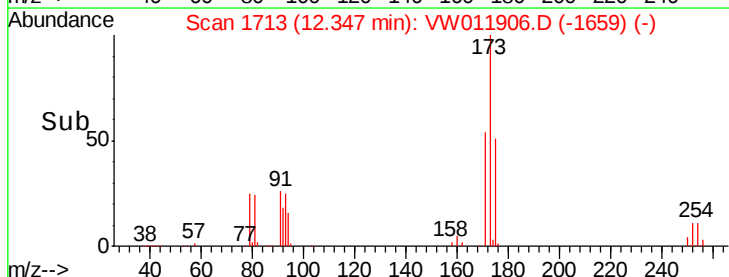
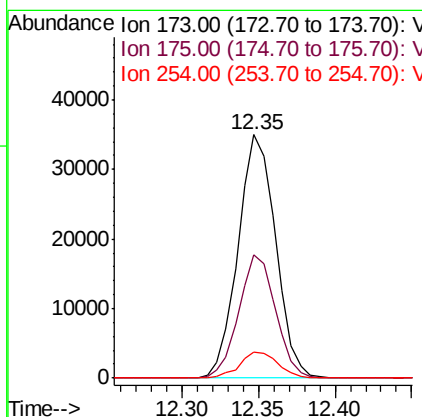
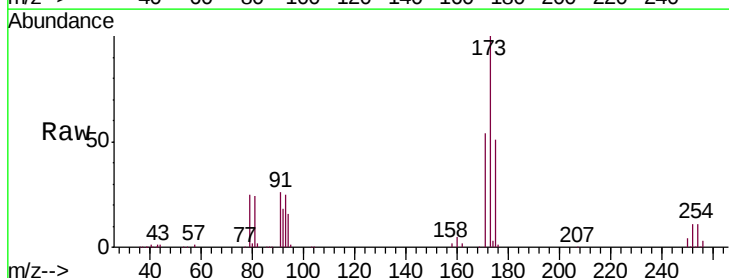
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

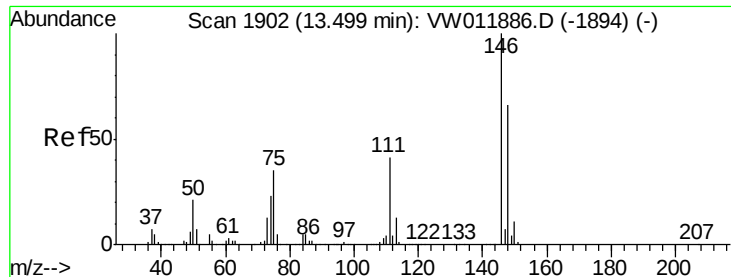
Tgt Ion: 75 Resp: 90103
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.1 37.7



#62
 Bromoform
 Concen: 24.459 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW011906.D
 Acq: 13 Aug 2019 20:02

Tgt Ion: 173 Resp: 59791
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.4 59.0
 254 10.8 9.0 13.6

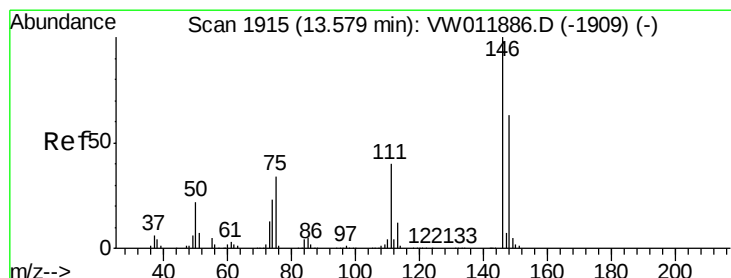
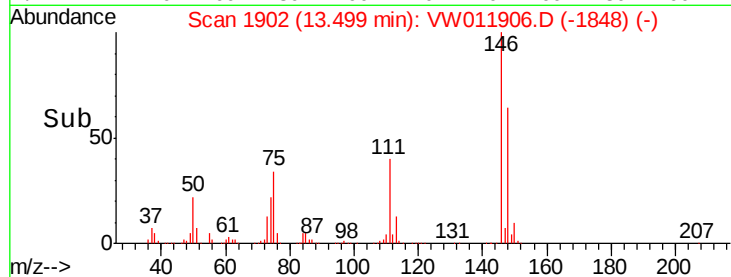
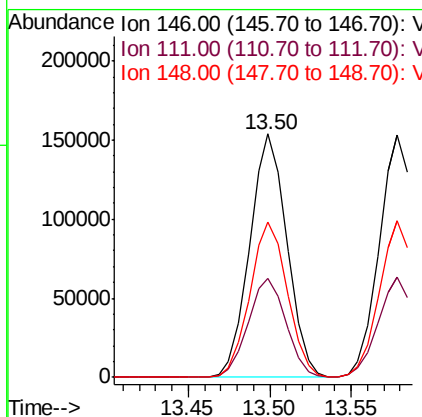
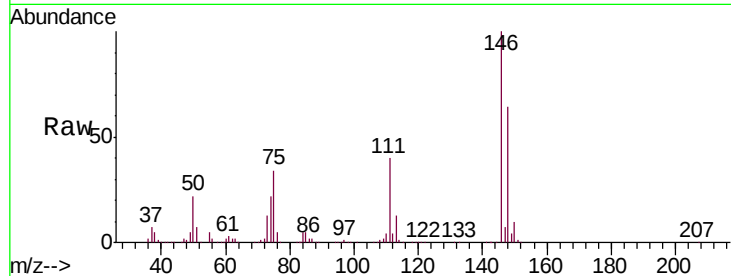




#63
 1,3-Dichlorobenzene
 Concen: 26.356 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011906.D
 Acq: 13 Aug 2019 20:02

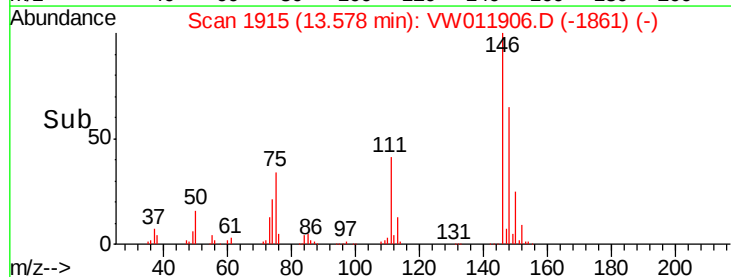
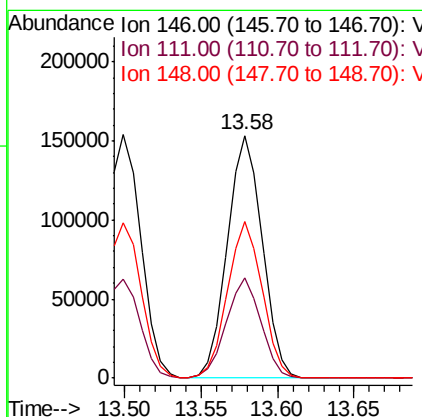
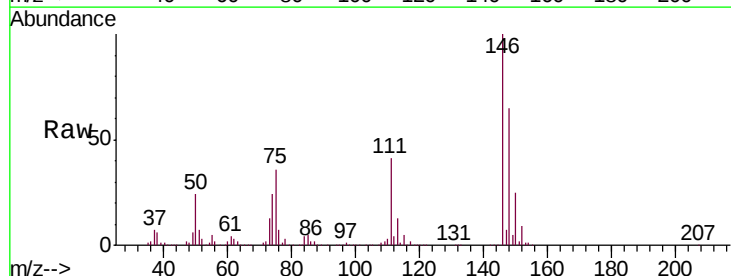
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

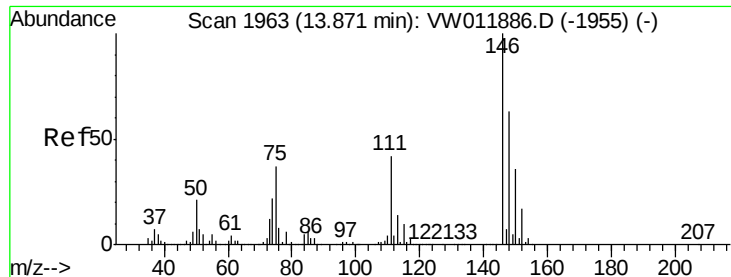
Tgt Ion:146 Resp: 244416
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.6 53.2
 148 64.0 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 26.077 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011906.D
 Acq: 13 Aug 2019 20:02

Tgt Ion:146 Resp: 242850
 Ion Ratio Lower Upper
 146 100
 111 41.4 27.4 51.0
 148 64.6 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 26.650 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

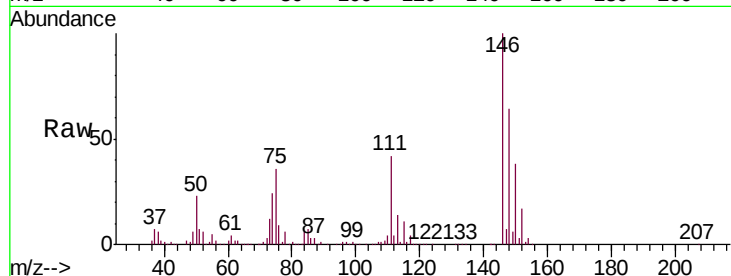
Tgt Ion:146 Resp: 223790

Ion Ratio Lower Upper

146 100

111 41.9 34.6 51.8

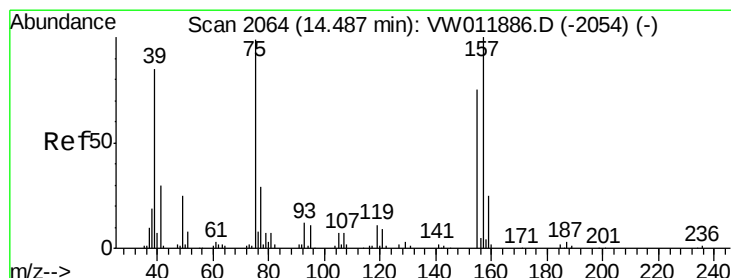
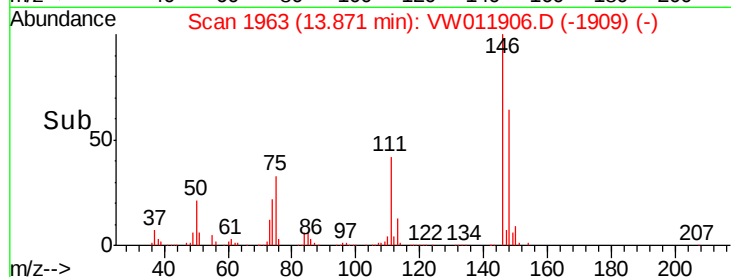
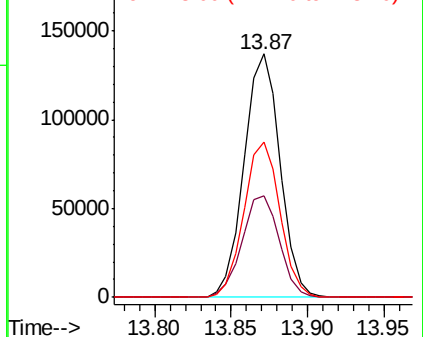
148 64.0 50.9 76.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 22.799 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

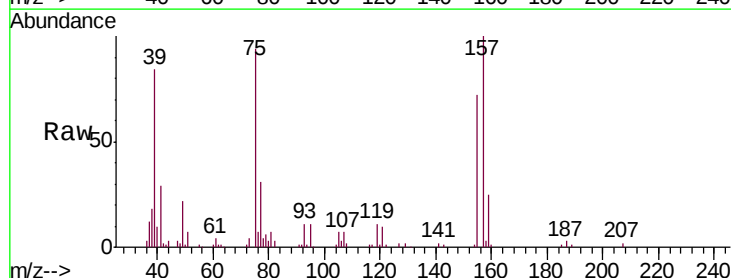
Tgt Ion: 75 Resp: 19815

Ion Ratio Lower Upper

75 100

157 105.9 79.3 118.9

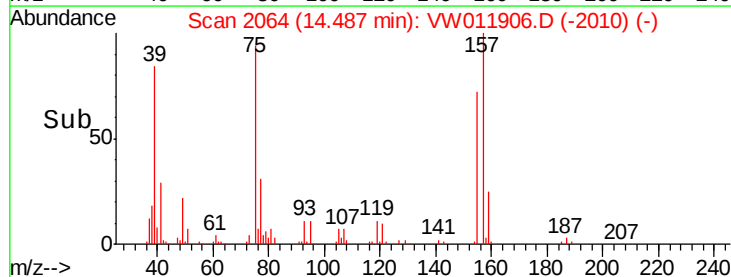
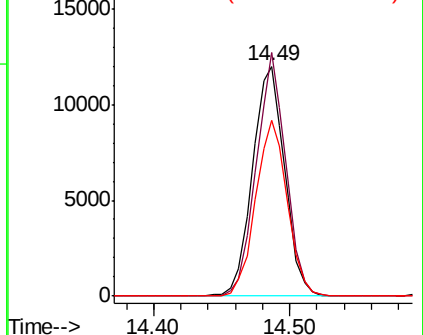
155 76.4 59.9 89.9

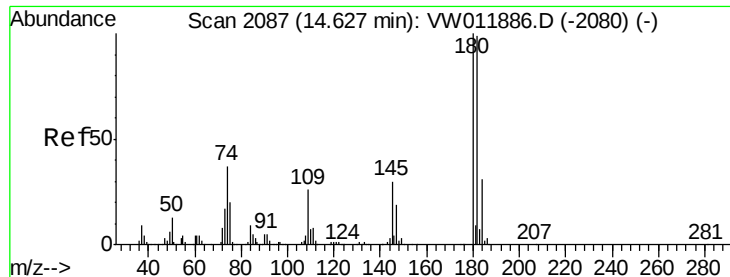


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

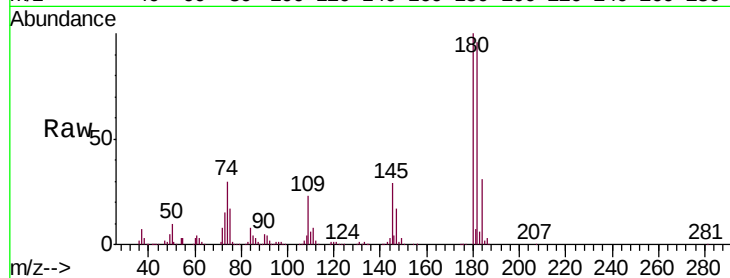




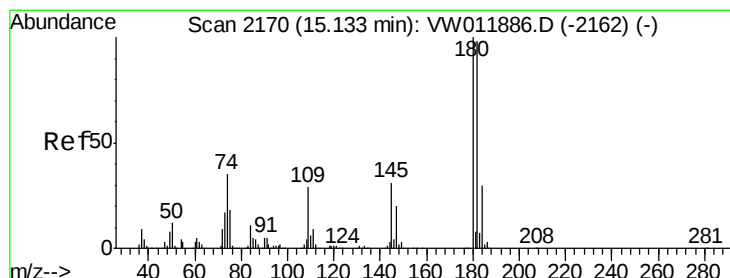
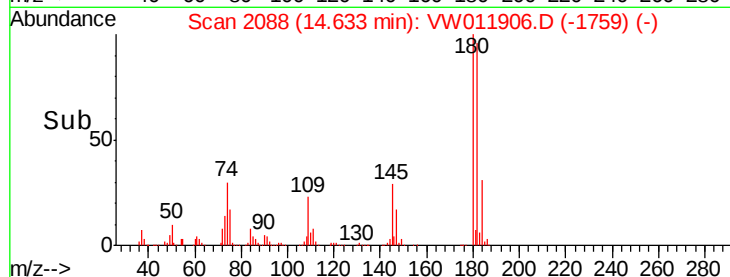
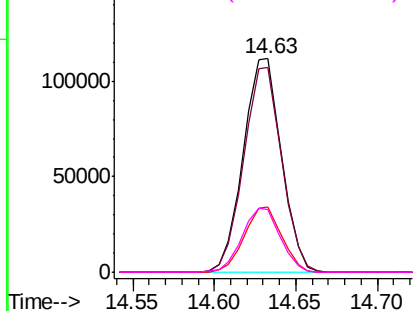
#67
 1,3,5-Trichlorobenzene
 Concen: 26.756 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW011906.D
 Acq: 13 Aug 2019 20:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Tgt Ion:	180	Resp:	182631
Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.9	113.9
184	30.0	24.2	36.2
145	30.1	23.0	34.6

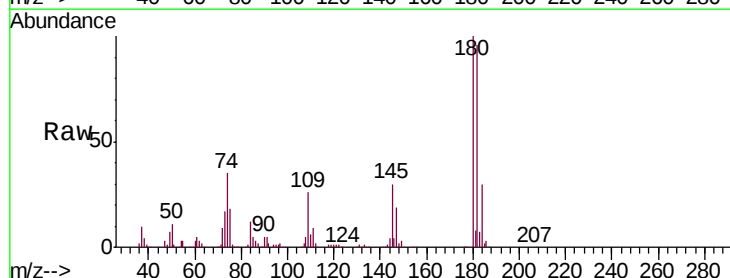


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

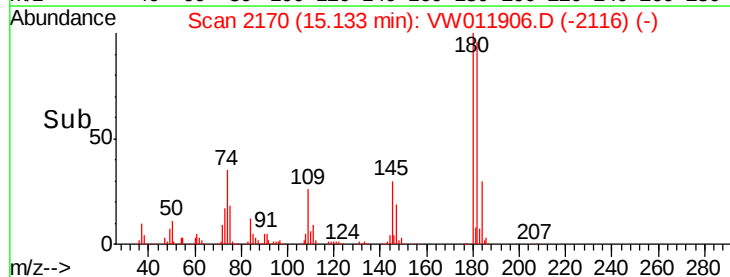
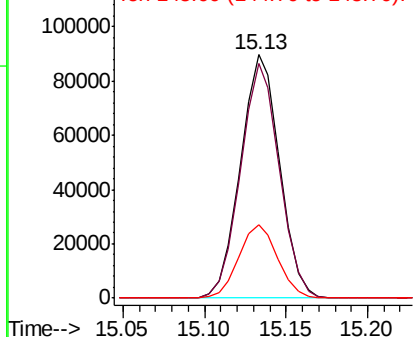


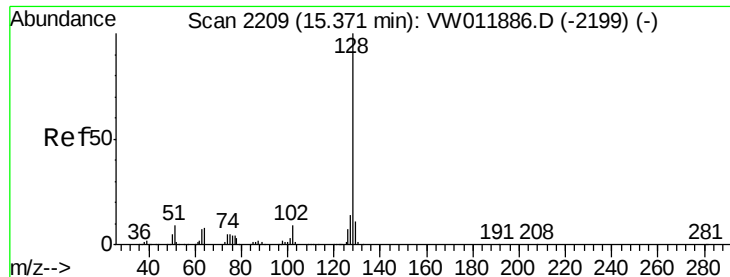
#68
 1,2,4-trichlorobenzene
 Concen: 27.214 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011906.D
 Acq: 13 Aug 2019 20:02

Tgt Ion:	180	Resp:	149602
Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	30.0	24.3	36.5



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





#69

Naphthalene

Concen: 25.912 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

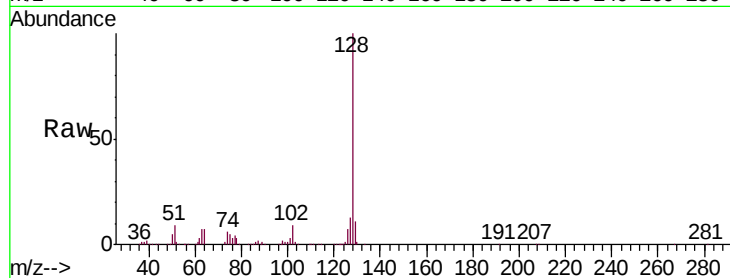
Tgt Ion:128 Resp: 286845

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

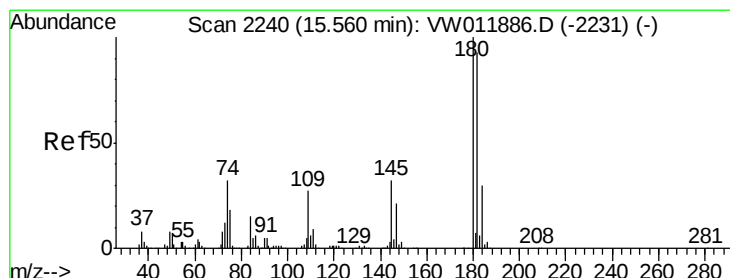
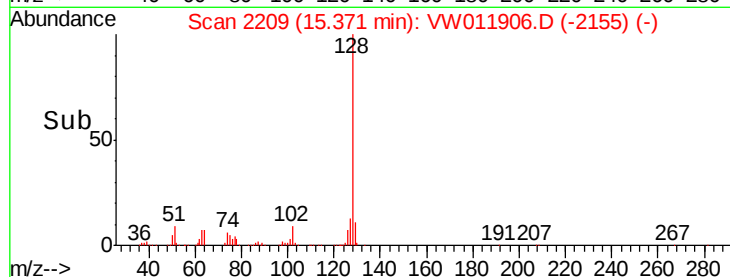
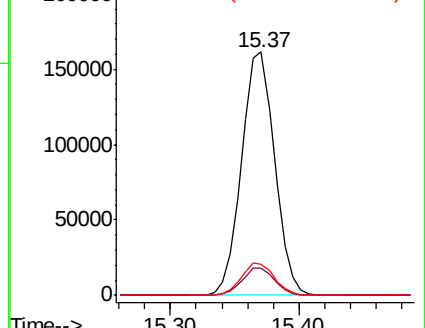
127 13.3 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.870 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011906.D

Acq: 13 Aug 2019 20:02

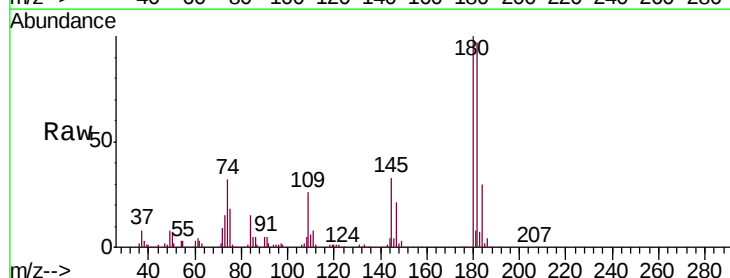
Tgt Ion:180 Resp: 136800

Ion Ratio Lower Upper

180 100

182 94.2 74.9 112.3

145 32.5 25.6 38.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

