

Data File : VW011925.D
Acq On : 15 Aug 2019 13:19
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

Quant Time: Aug 16 06:57:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 16 06:53:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	331530	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	291976	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	143671	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	127600	27.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.32%
7) Chloroethane-d5	2.89	69	90539	26.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.72%
10) 1,1-Dichloroethene-d2	4.02	63	287903	26.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	107.60%
20) 2-Butanone-d5	7.09	46	96556	45.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.86%
24) Chloroform-d	7.65	84	243154	26.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.84%
26) 1,2-Dichloroethane-d4	8.31	65	142941	26.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.12%
29) Benzene-d6	8.27	84	490126	26.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.76%
33) 1,2-Dichloropropane-d6	9.27	67	157727	26.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.44%
37) Toluene-d8	10.32	98	436976	26.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.28%
38) trans-1,3-Dichloropropene-	10.58	79	67591	26.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.08%
39) 2-Hexanone-d5	10.93	63	67301	48.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122551	24.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	140401	25.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	97343	26.199 ug/L	95
3) Chloromethane	2.21	50	111150	22.998 ug/L	99
5) Vinyl chloride	2.36	62	152210	24.684 ug/L	99
6) Bromomethane	2.78	94	73882	25.415 ug/L	100
8) Chloroethane	2.92	64	80865	25.075 ug/L	99
9) Trichlorofluoromethane	3.26	101	82676	26.321 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	126522	26.568 ug/L	97
12) 1,1-Dichloroethene	4.04	96	120076	25.217 ug/L	85
13) Acetone	4.15	43	91403	40.600 ug/L	97
14) Carbon disulfide	4.38	76	366620	23.640 ug/L	99
16) Methylene chloride	4.92	84	133429	25.790 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	208733	26.324 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	126611	25.736 ug/L	98
19) 1,1-Dichloroethane	6.21	63	259675	26.423 ug/L	100
21) 2-Butanone	7.18	43	122106	43.260 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	135760	26.377 ug/L	99
23) Bromochloromethane	7.51	128	56824	25.949 ug/L	99

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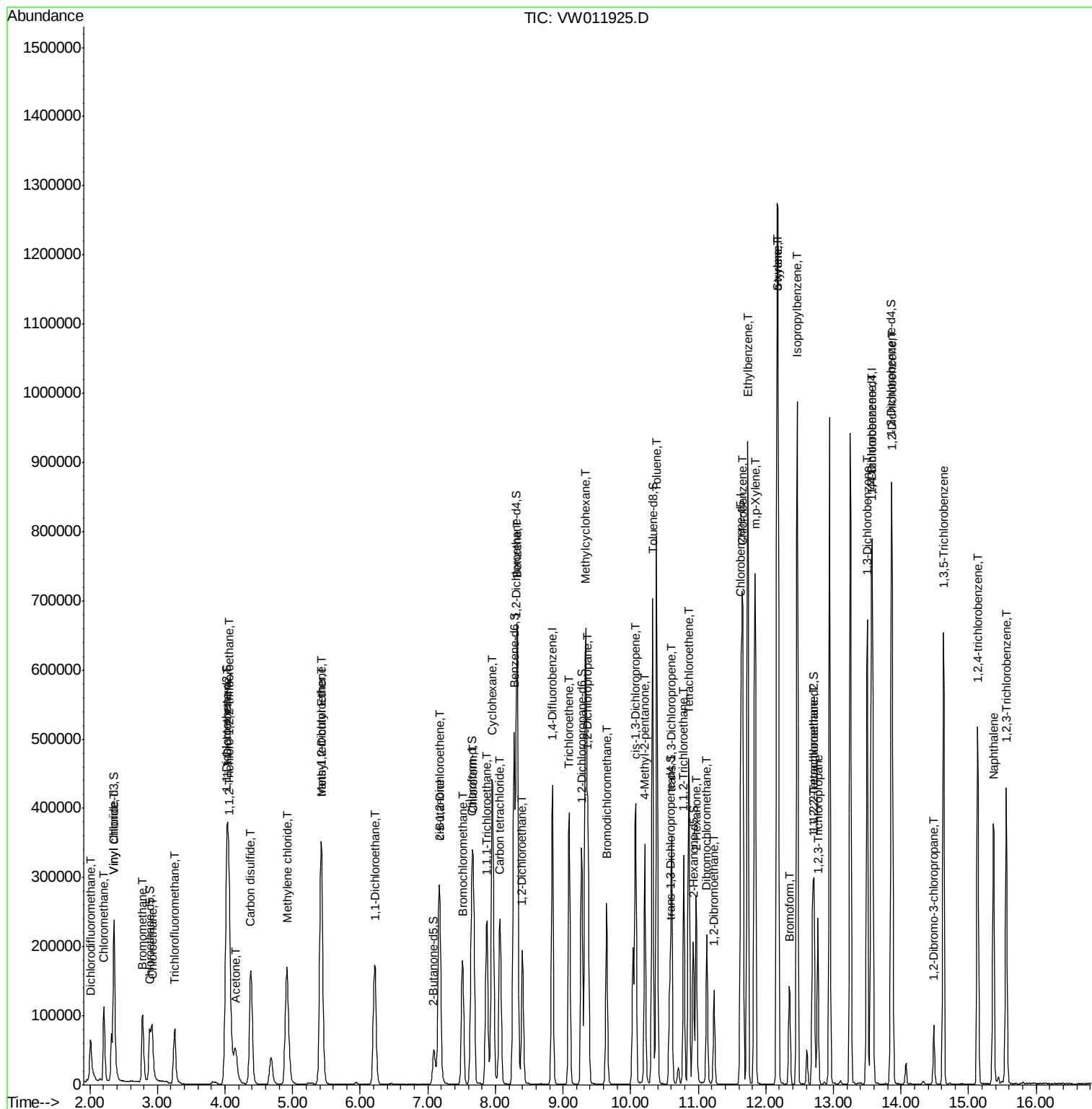
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	243560	26.888	ug/L	99
27) 1,2-Dichloroethane	8.40	62	177505	26.471	ug/L	100
30) Cyclohexane	7.95	56	260492	25.666	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	192409	27.045	ug/L	98
32) Carbon tetrachloride	8.07	117	179185	26.772	ug/L	100
34) Benzene	8.32	78	536947	26.243	ug/L	100
35) Trichloroethene	9.09	95	135054	26.000	ug/L	100
36) Methylcyclohexane	9.34	83	242068	25.688	ug/L	99
40) 1,2-Dichloropropane	9.37	63	146279	26.783	ug/L	100
41) Bromodichloromethane	9.65	83	174351	27.052	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	220267	26.963	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	243743	49.256	ug/L	100
44) Toluene	10.39	91	554397	26.670	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	180818	26.603	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	97679	26.232	ug/L	99
47) Tetrachloroethene	10.86	164	101708	25.635	ug/L	95
49) 2-Hexanone	10.97	43	179750	47.148	ug/L	99
50) Dibromochloromethane	11.13	129	111675	27.209	ug/L	98
51) 1,2-Dibromoethane	11.24	107	92374	25.494	ug/L	98
52) Chlorobenzene	11.66	112	329840	26.300	ug/L	99
53) Ethylbenzene	11.73	91	624891	26.956	ug/L	99
54) m,p-Xylene	11.84	106	225411	26.740	ug/L	95
55) o-xylene	12.16	106	214351	27.019	ug/L	99
56) Styrene	12.18	104	370729	27.487	ug/L	98
57) Isopropylbenzene	12.46	105	594830	27.254	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	126067	25.477	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	95796	25.100	ug/L	99
62) Bromoform	12.35	173	63831	24.833	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	252155	25.859	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	250170	25.547	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	230001	26.048	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21661	23.702	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	189754	26.439	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	157554	27.258	ug/L	98
69) Naphthalene	15.36	128	308146	26.473	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	145569	27.192	ug/L	99

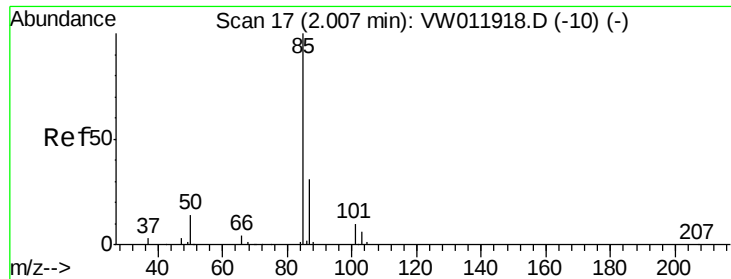
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.199 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

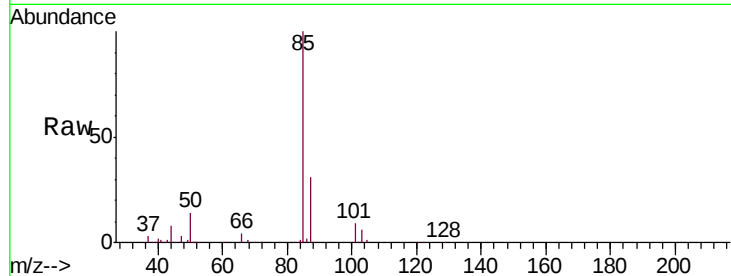
VSTD02517

Tgt Ion: 85 Resp: 97343

Ion Ratio Lower Upper

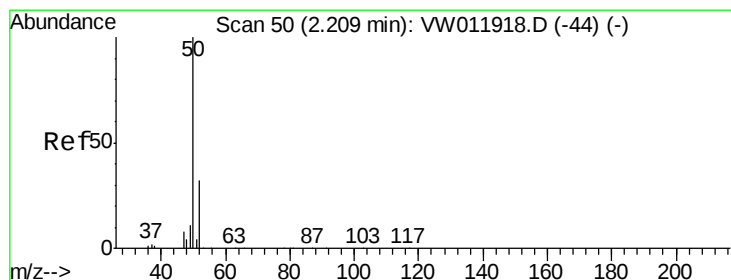
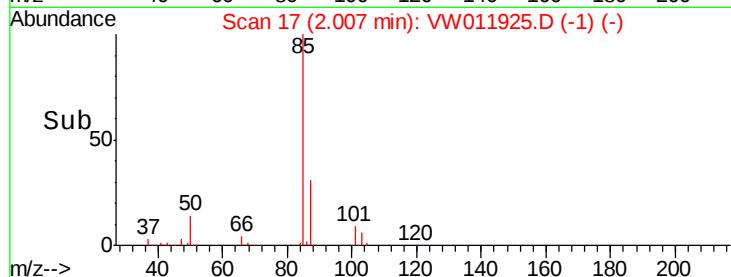
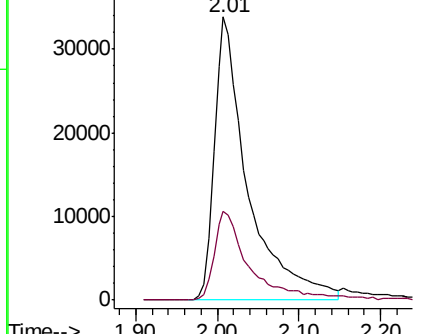
85 100

87 28.6 21.8 40.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.998 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011925.D

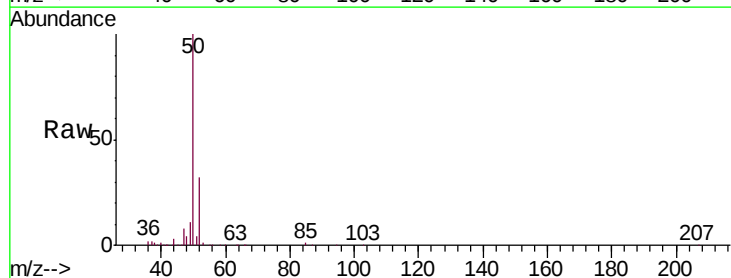
Acq: 15 Aug 2019 13:19

Tgt Ion: 50 Resp: 111150

Ion Ratio Lower Upper

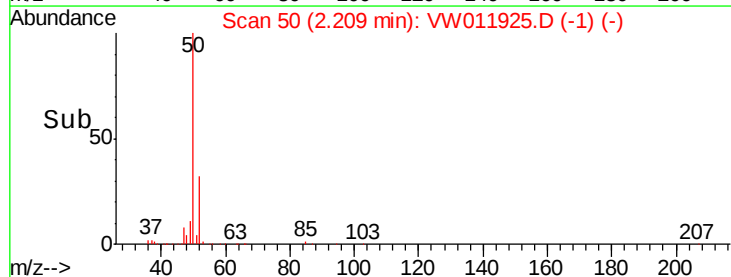
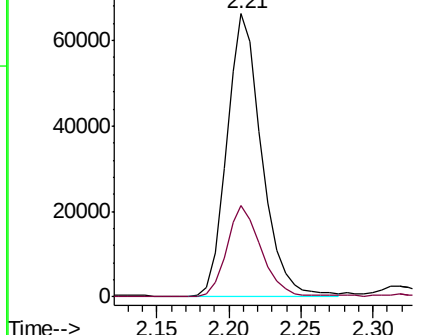
50 100

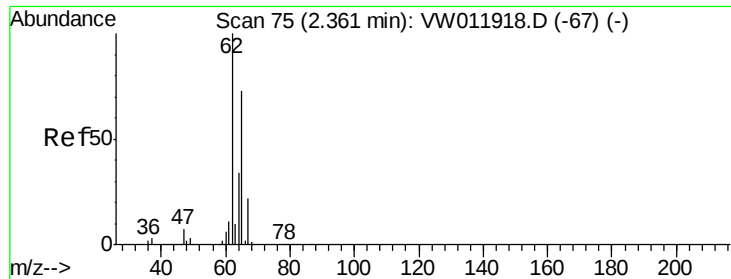
52 32.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.684 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011925.D

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Instrument :

MSVOA_W

ClientSampleId :

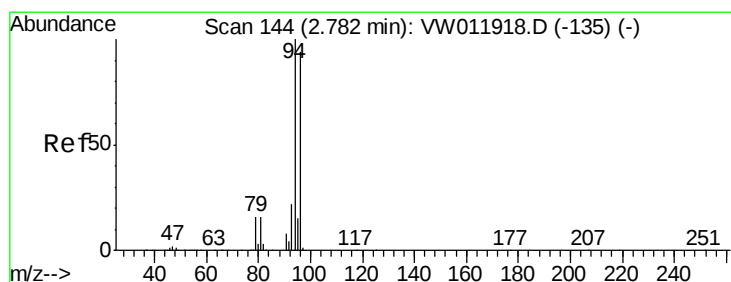
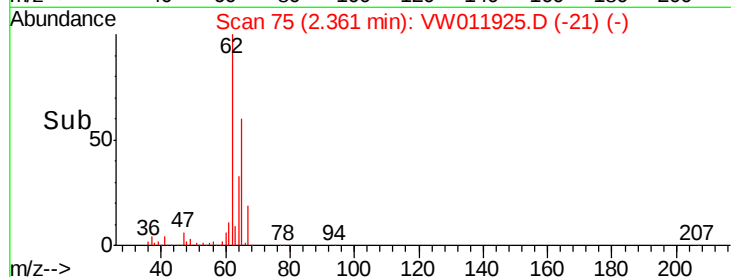
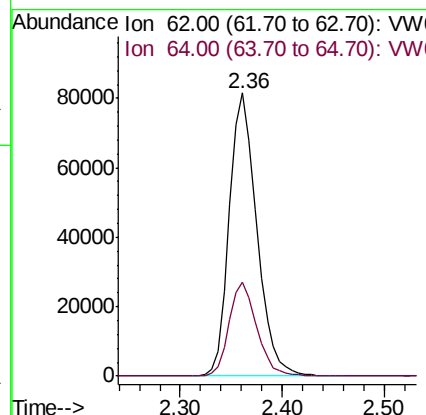
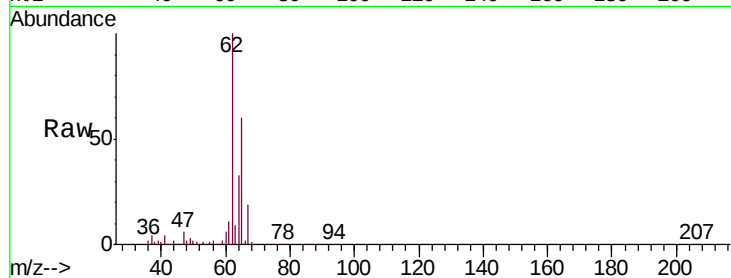
VSTD02517

Tgt Ion: 62 Resp: 152210

Ion Ratio Lower Upper

62 100

64 33.3 23.6 43.8



#6

Bromomethane

Concen: 25.415 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW011925.D

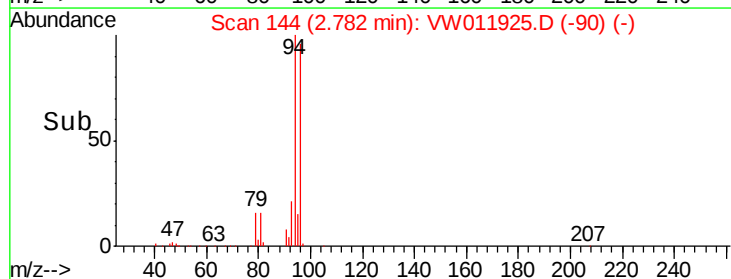
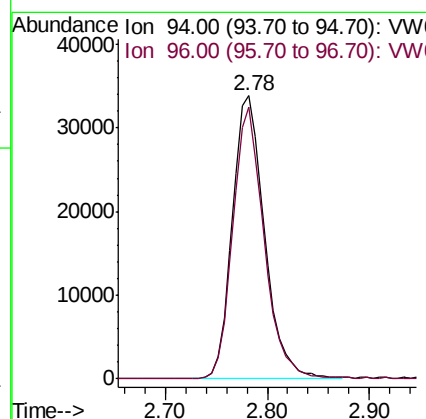
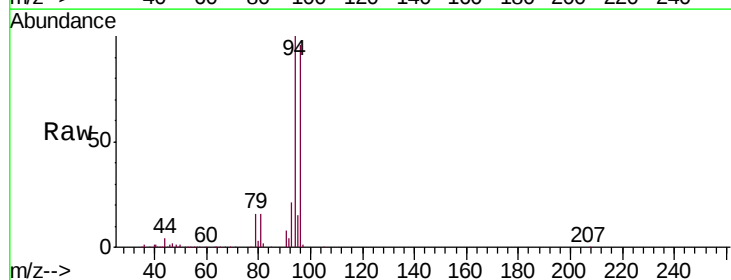
Acq: 15 Aug 2019 13:19

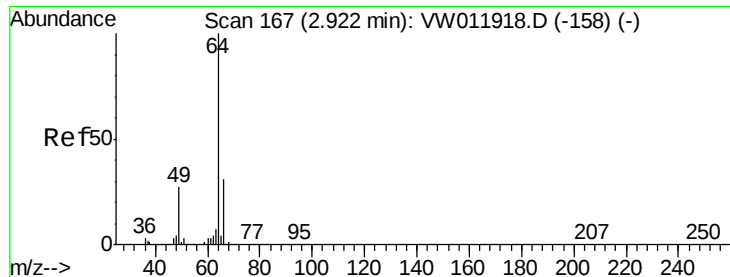
Tgt Ion: 94 Resp: 73882

Ion Ratio Lower Upper

94 100

96 93.0 9.3 175.9





#8

Chloroethane

Concen: 25.075 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

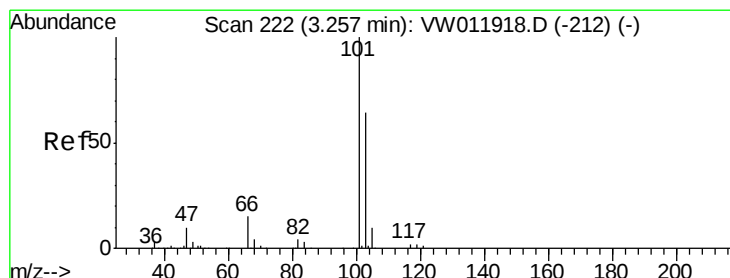
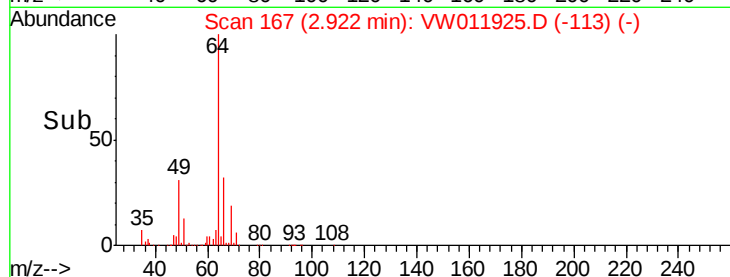
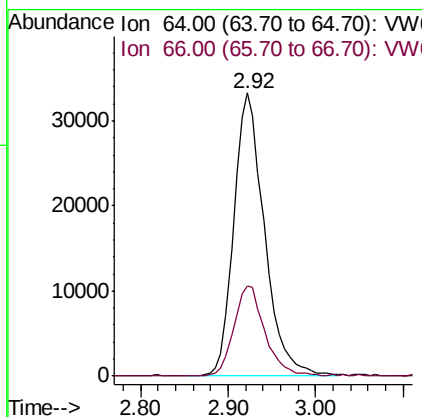
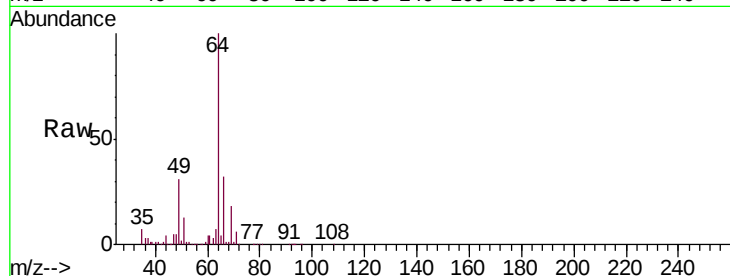
VSTD02517

Tgt Ion: 64 Resp: 80865

Ion Ratio Lower Upper

64 100

66 31.8 22.0 40.8



#9

Trichlorofluoromethane

Concen: 26.321 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW011925.D

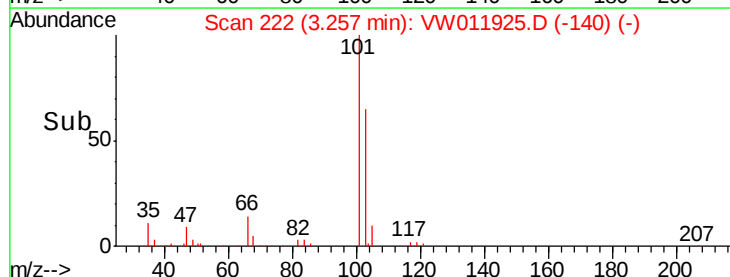
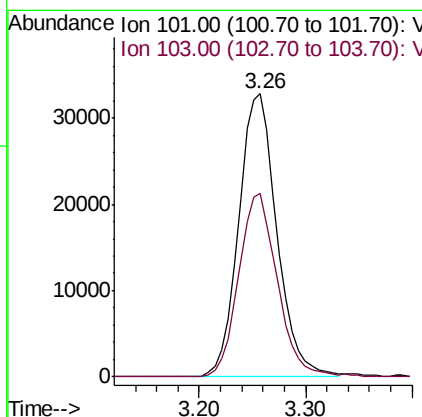
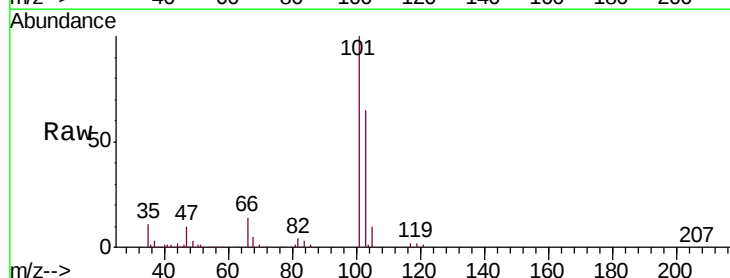
Acq: 15 Aug 2019 13:19

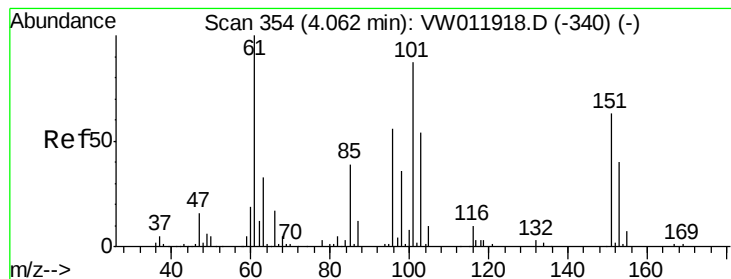
Tgt Ion: 101 Resp: 82676

Ion Ratio Lower Upper

101 100

103 65.7 44.3 82.3





#11

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

Concen: 26.568 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW011925.D

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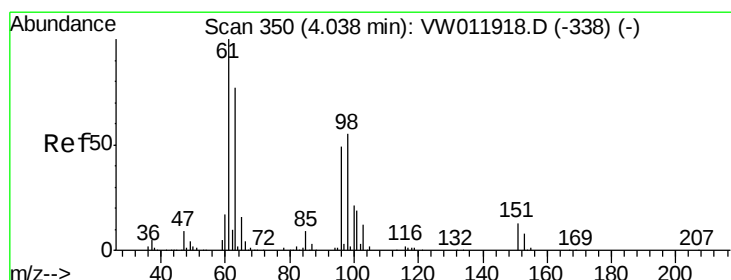
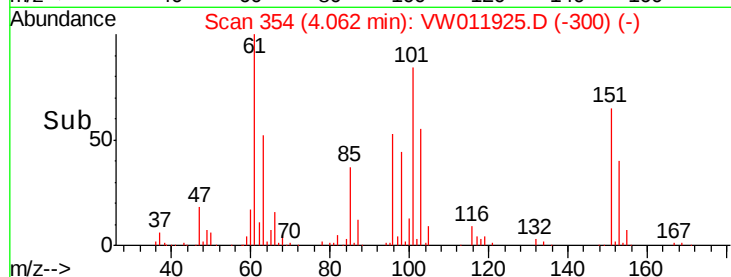
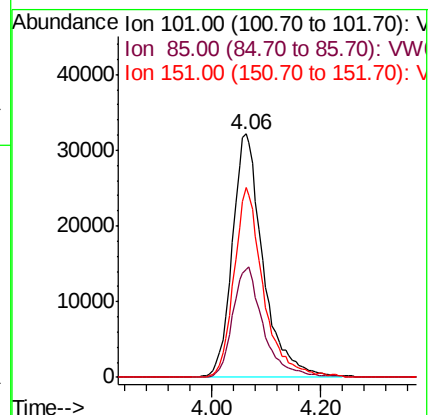
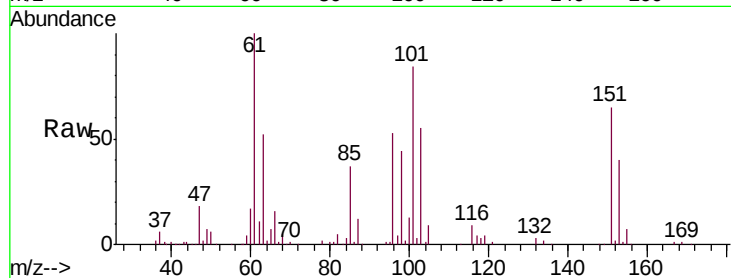
Tgt Ion: 101 Resp: 126522

Ion Ratio Lower Upper

101 100

85 44.4 37.0 55.4

151 73.6 60.8 91.2



#12

1,1-Dichloroethene

Concen: 25.217 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW011925.D

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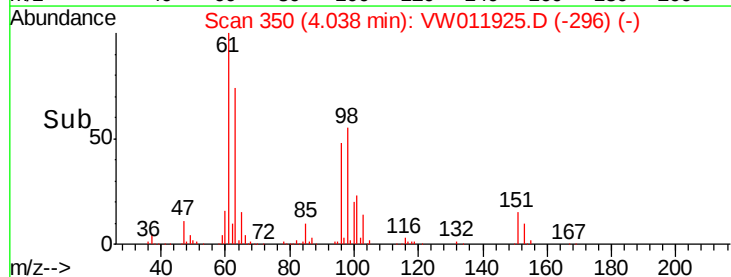
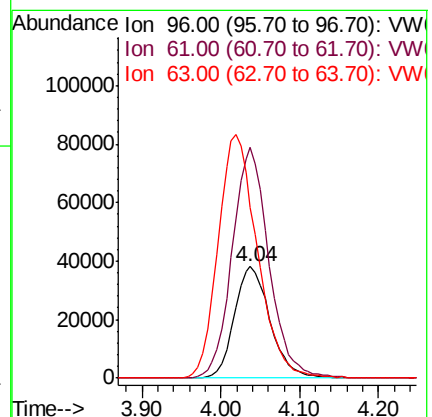
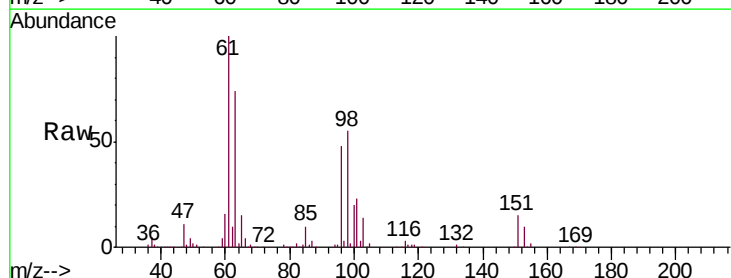
Tgt Ion: 96 Resp: 120076

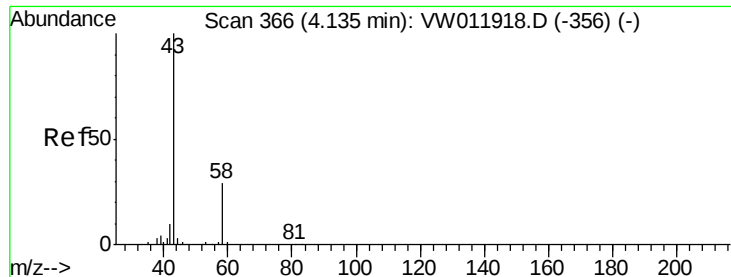
Ion Ratio Lower Upper

96 100

61 207.6 135.0 250.8

63 153.1 89.2 165.8





#13

Acetone

Concen: 40.600 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.02 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

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ClientSampled :

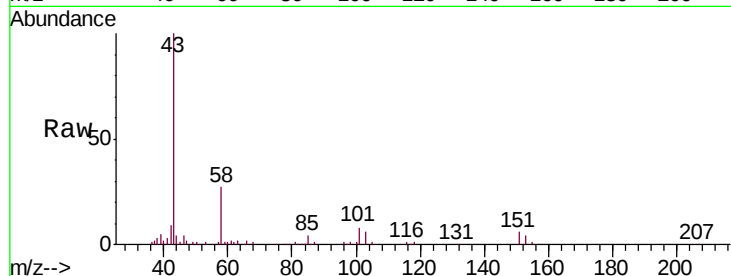
VSTD02517

Tgt Ion: 43 Resp: 91403

Ion Ratio Lower Upper

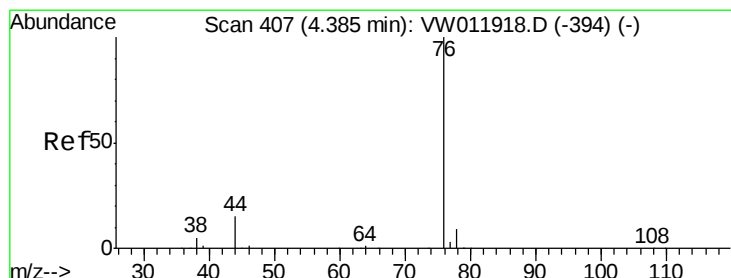
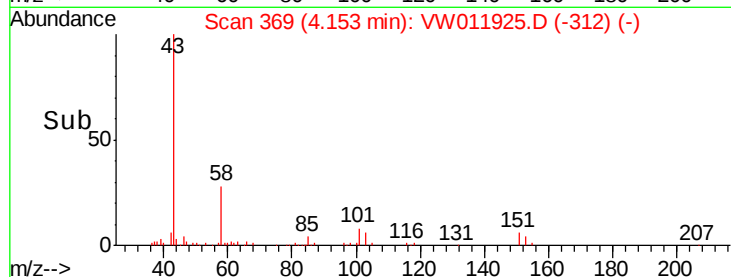
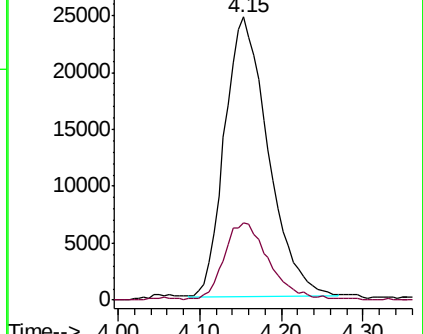
43 100

58 28.3 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.640 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011925.D

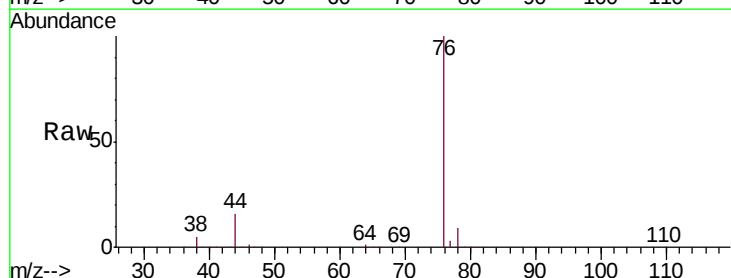
Acq: 15 Aug 2019 13:19

Tgt Ion: 76 Resp: 366620

Ion Ratio Lower Upper

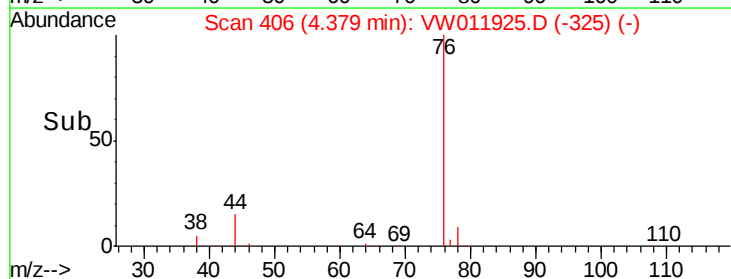
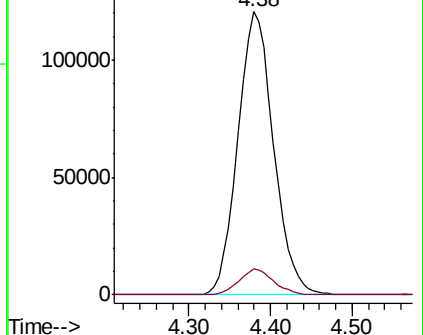
76 100

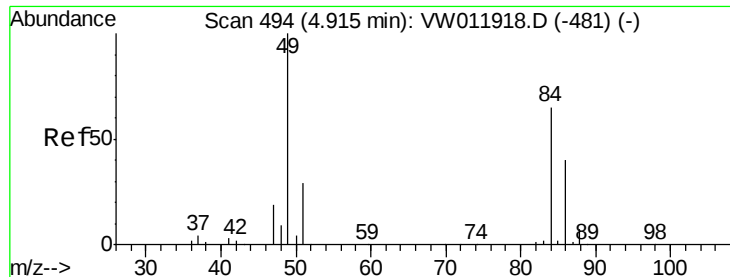
78 9.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

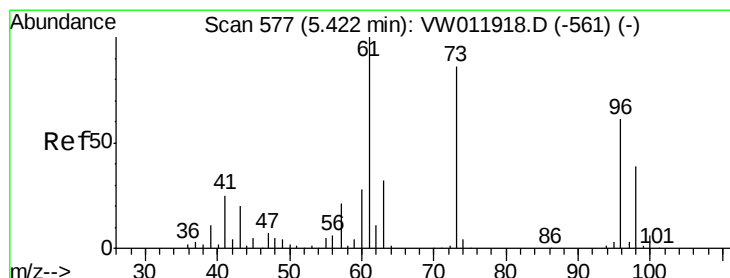
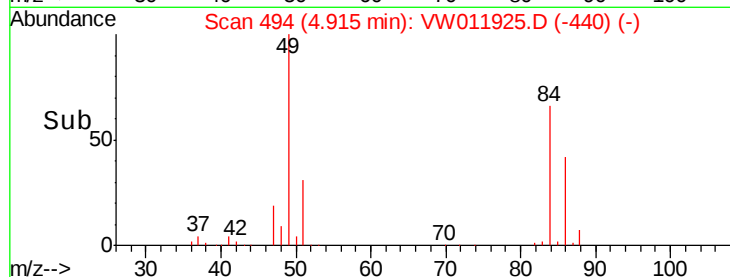
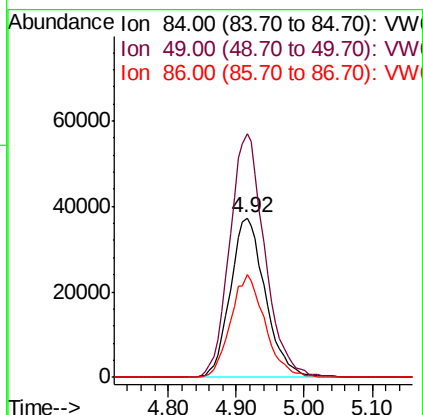
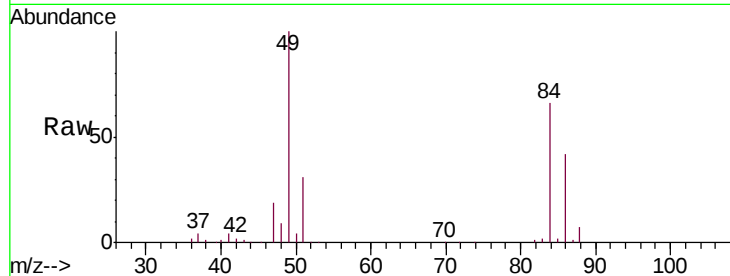




#16
Methylene chloride
Concen: 25.790 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011925.D
Acq: 15 Aug 2019 13:19

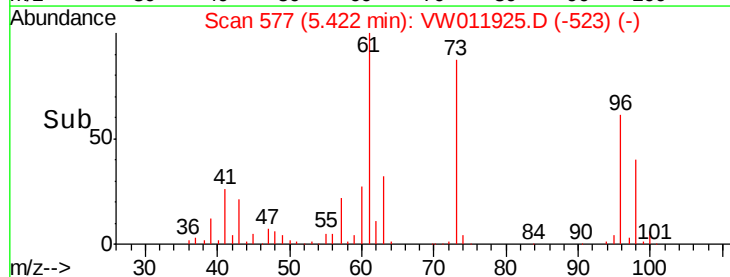
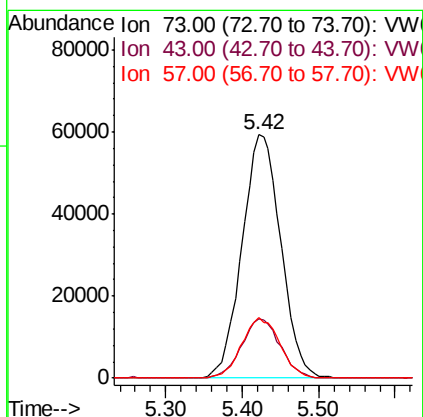
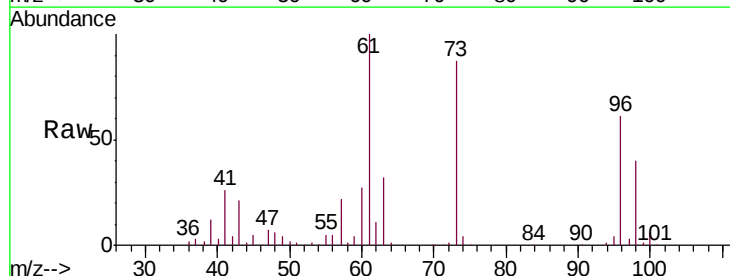
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

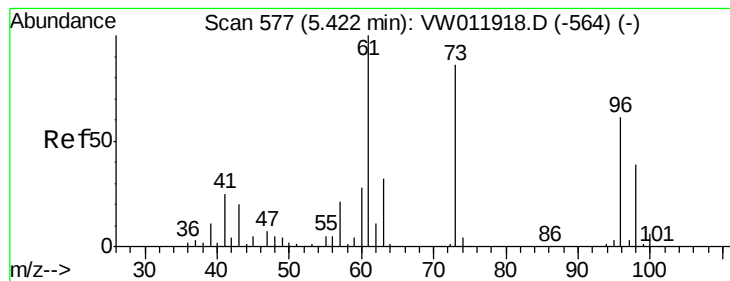
Tgt Ion: 84 Resp: 133429
Ion Ratio Lower Upper
84 100
49 152.6 106.8 198.4
86 64.5 42.8 79.4



#17
Methyl tert-butyl Ether
Concen: 26.324 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011925.D
Acq: 15 Aug 2019 13:19

Tgt Ion: 73 Resp: 208733
Ion Ratio Lower Upper
73 100
43 23.8 19.3 28.9
57 24.6 19.7 29.5





#18

trans-1,2-Dichloroethene

Concen: 25.736 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

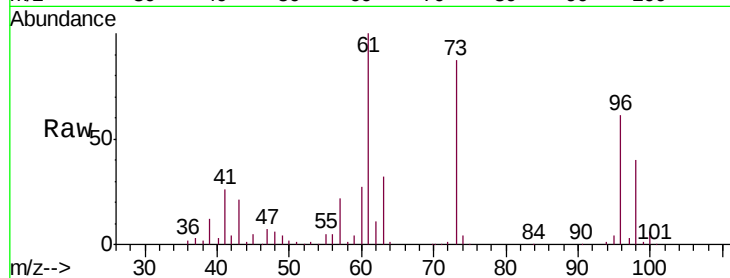
Tgt Ion: 96 Resp: 126611

Ion Ratio Lower Upper

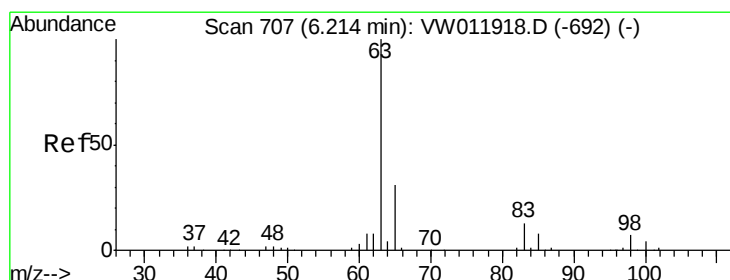
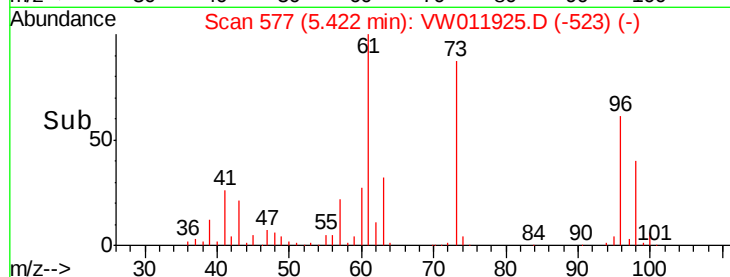
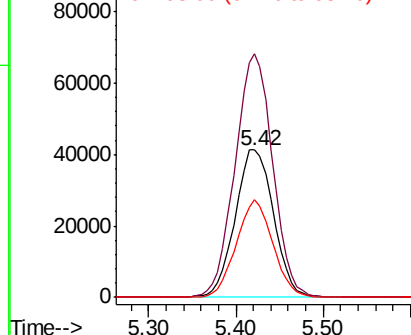
96 100

61 165.1 114.2 212.0

98 66.4 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: 26.423 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

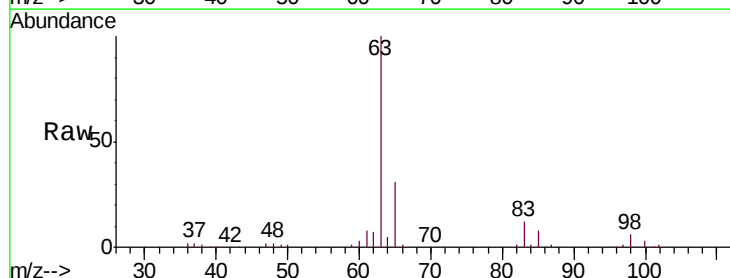
Tgt Ion: 63 Resp: 259675

Ion Ratio Lower Upper

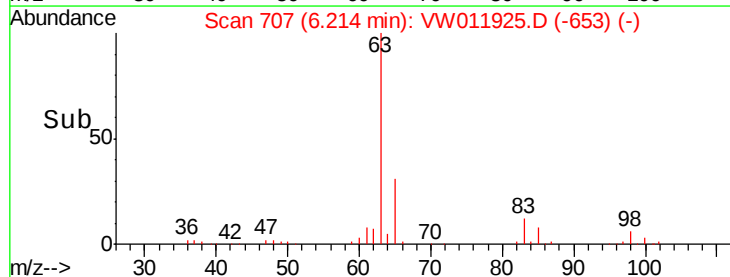
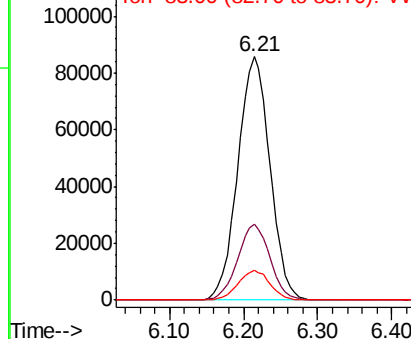
63 100

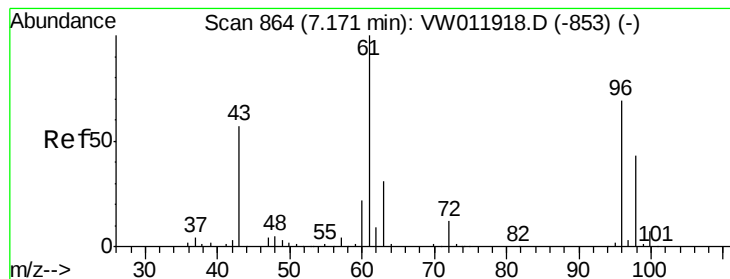
65 31.0 21.7 40.3

83 12.2 8.4 15.6



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





#21

2-Butanone

Concen: 43.260 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

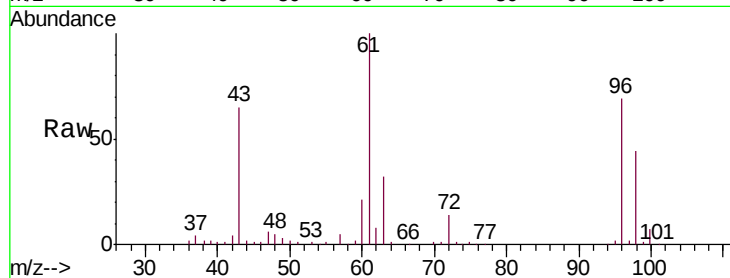
VSTD02517

Tgt Ion: 43 Resp: 122106

Ion Ratio Lower Upper

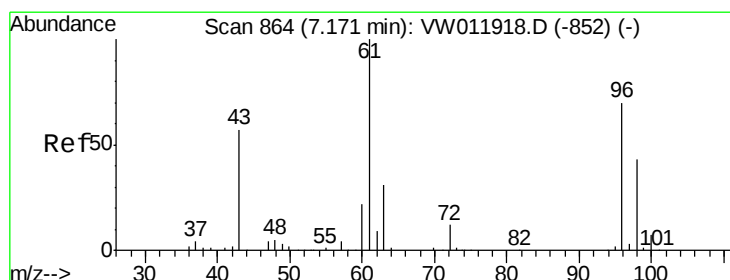
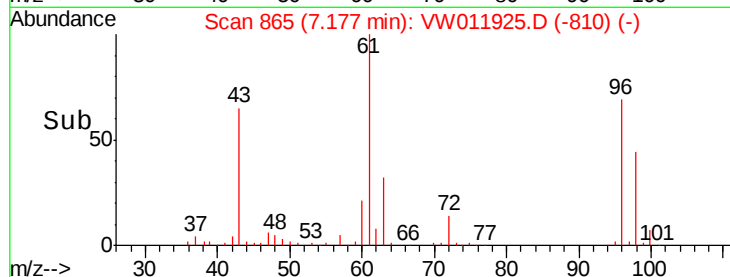
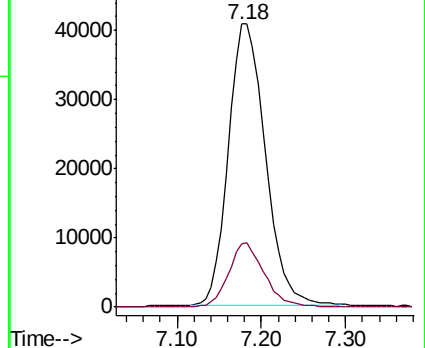
43 100

72 21.9 10.7 32.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#22

cis-1,2-Dichloroethene

Concen: 26.377 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

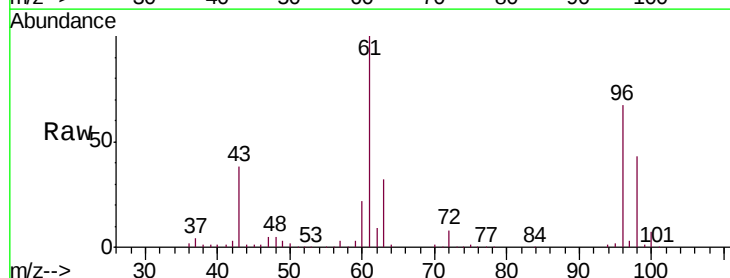
Tgt Ion: 96 Resp: 135760

Ion Ratio Lower Upper

96 100

61 149.2 103.9 192.9

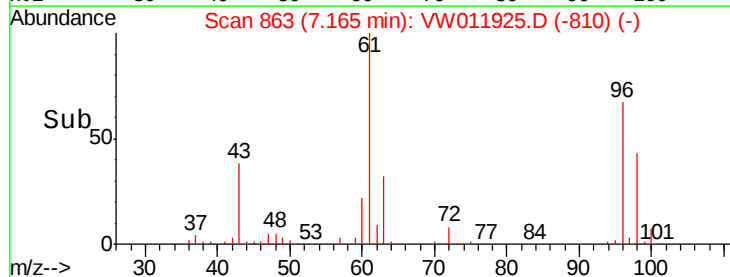
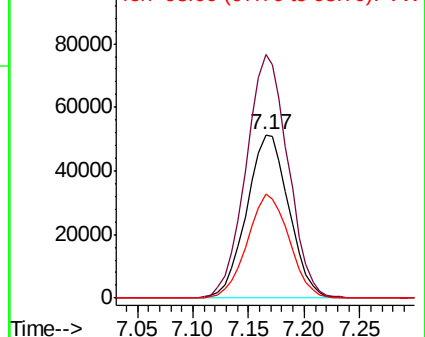
98 63.6 43.5 80.9

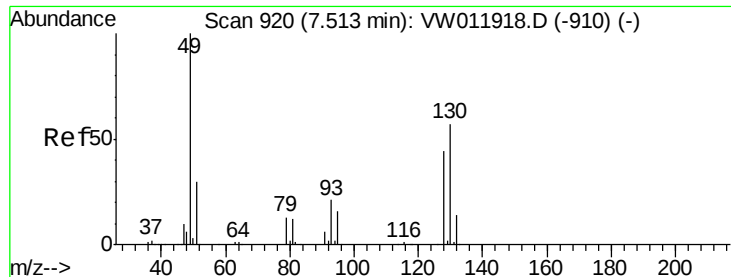


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#23

Bromochloromethane

Concen: 25.949 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

Tgt Ion:128 Resp: 56824

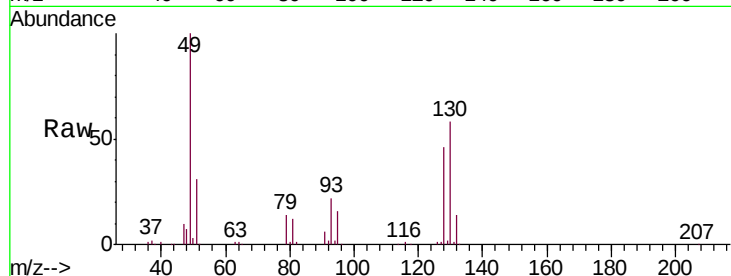
Ion Ratio Lower Upper

128 100

49 217.9 153.6 285.3

130 126.5 89.5 166.3

51 66.8 53.0 79.6

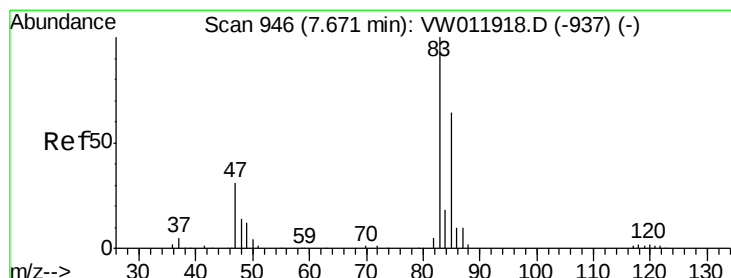
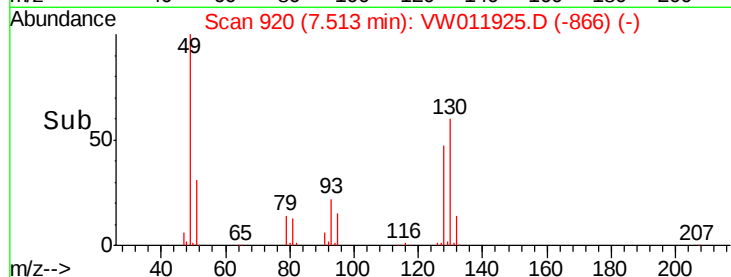
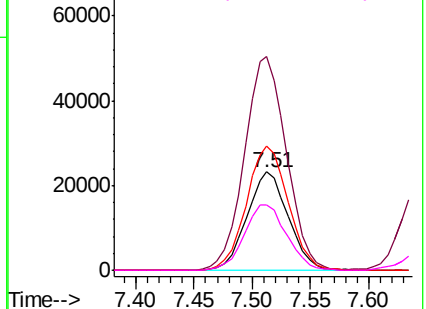


Abundance Ion 128.00 (127.70 to 128.70): V

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: 26.888 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW011925.D

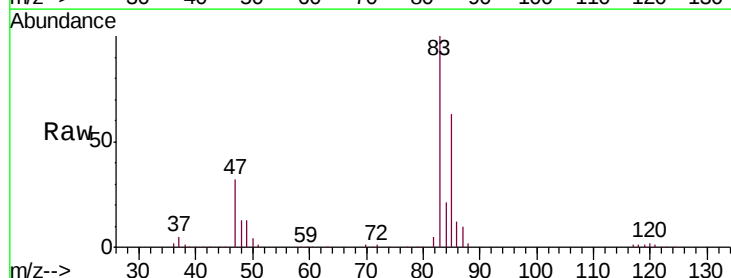
Acq: 15 Aug 2019 13:19

Tgt Ion: 83 Resp: 243560

Ion Ratio Lower Upper

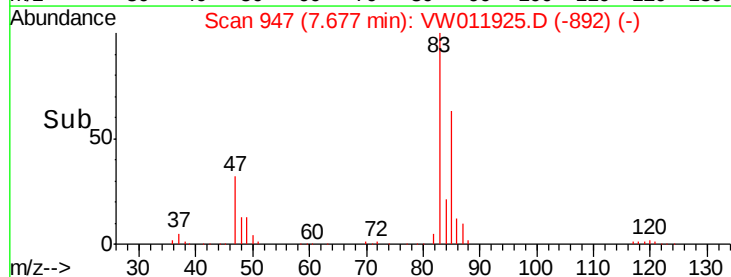
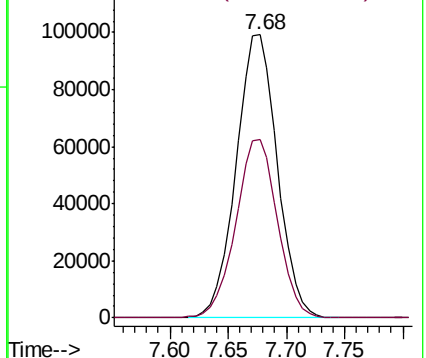
83 100

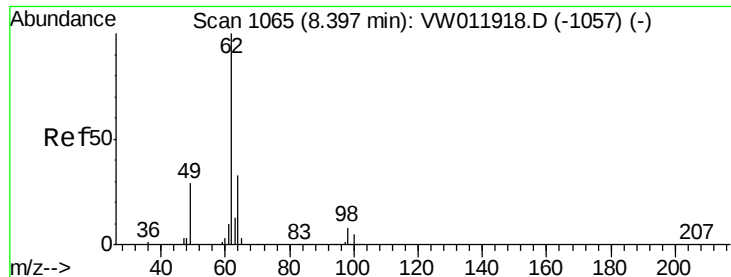
85 64.1 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 26.471 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

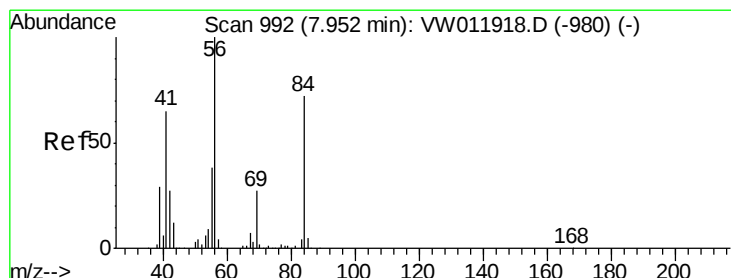
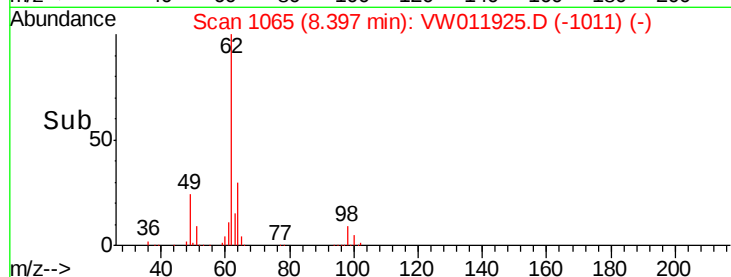
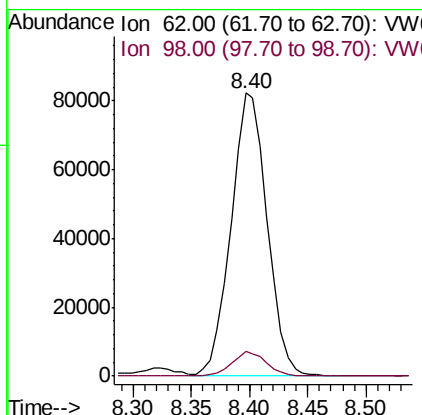
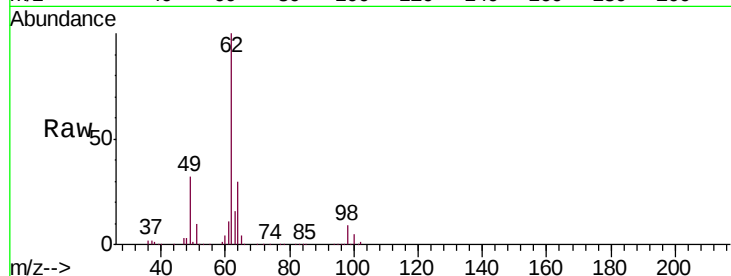
VSTD02517

Tgt Ion: 62 Resp: 177505

Ion Ratio Lower Upper

62 100

98 8.9 7.2 10.8



#30

Cyclohexane

Concen: 25.666 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

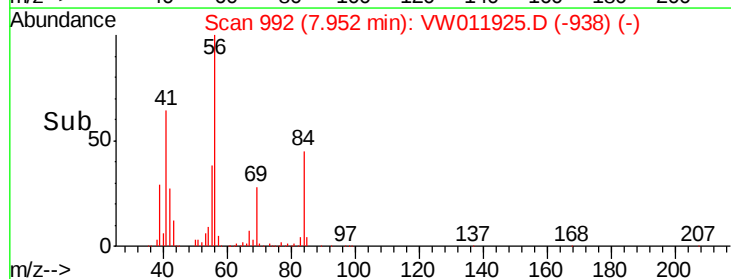
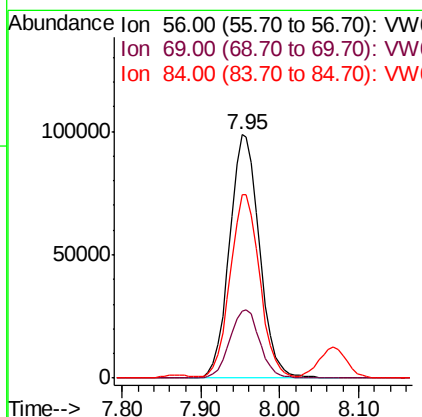
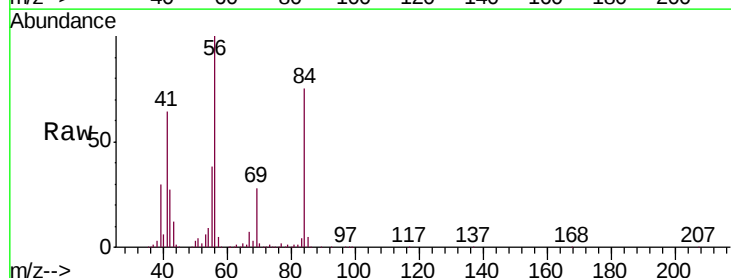
Tgt Ion: 56 Resp: 260492

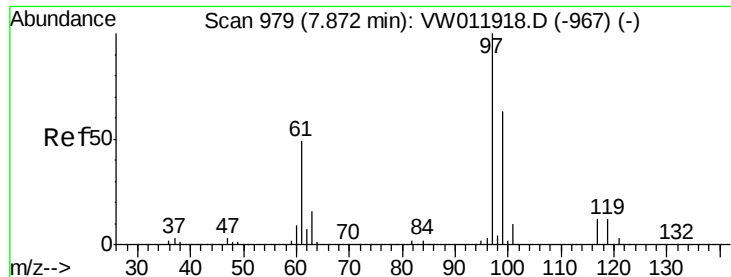
Ion Ratio Lower Upper

56 100

69 28.1 22.4 33.6

84 74.7 60.6 91.0

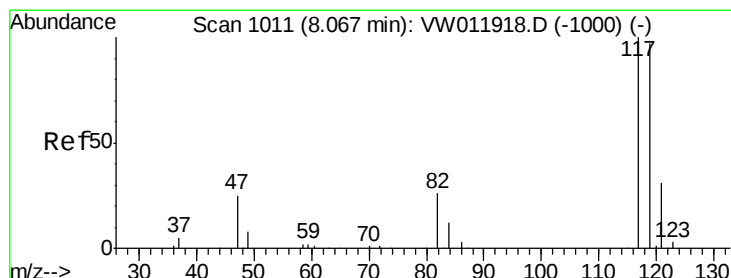
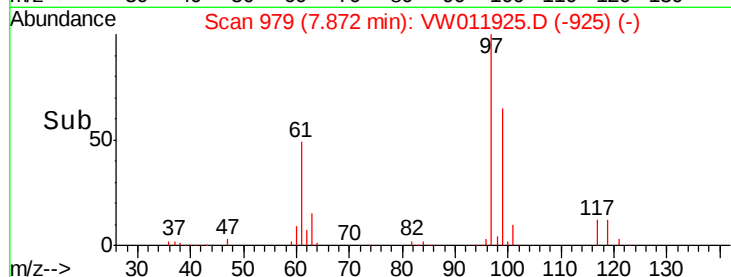
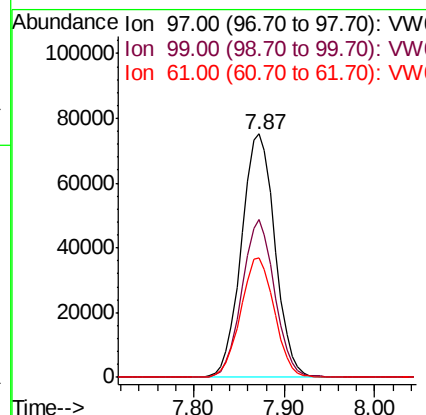
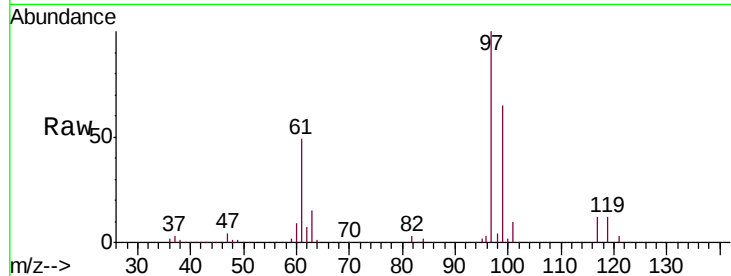




#31
 1,1,1-Trichloroethane
 Concen: 27.045 ug/L
 RT: 7.87 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: VW011925.D
 Acq: 15 Aug 2019 13:19

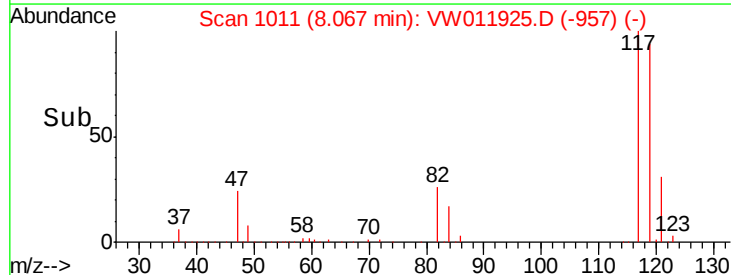
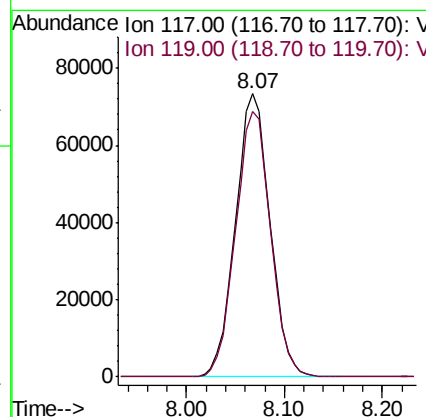
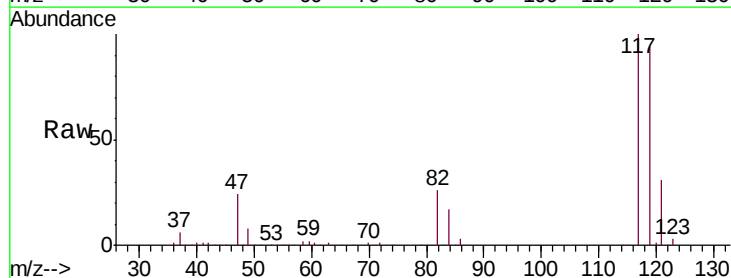
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

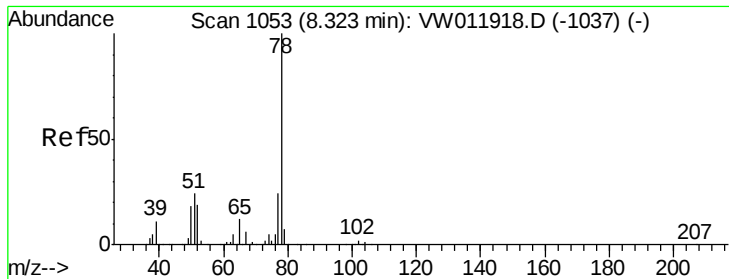
Tgt Ion: 97 Resp: 192409
 Ion Ratio Lower Upper
 97 100
 99 63.4 52.1 78.1
 61 49.3 40.3 60.5



#32
 Carbon tetrachloride
 Concen: 26.772 ug/L
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VW011925.D
 Acq: 15 Aug 2019 13:19

Tgt Ion: 117 Resp: 179185
 Ion Ratio Lower Upper
 117 100
 119 95.1 76.2 114.4





#34

Benzene

Concen: 26.243 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

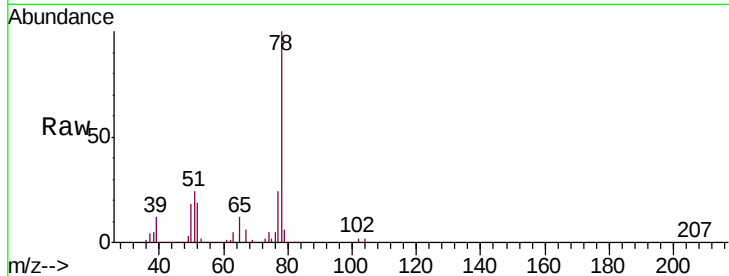
Instrument :

MSVOA_W

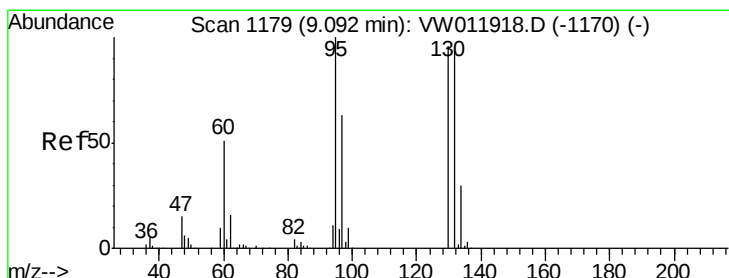
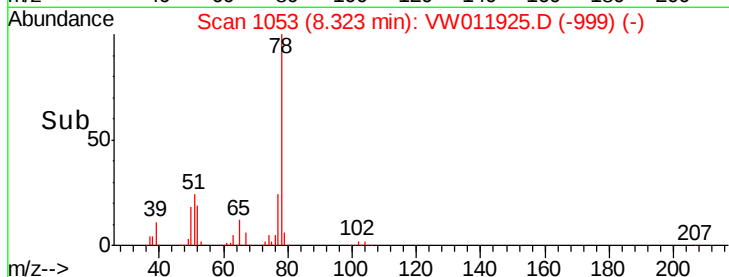
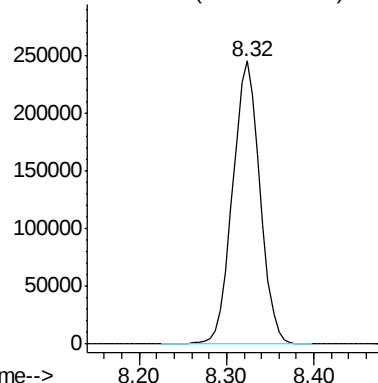
ClientSampleId :

VSTD02517

Tgt Ion: 78 Resp: 536947



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 26.000 ug/L

RT: 9.09 min Scan# 1179

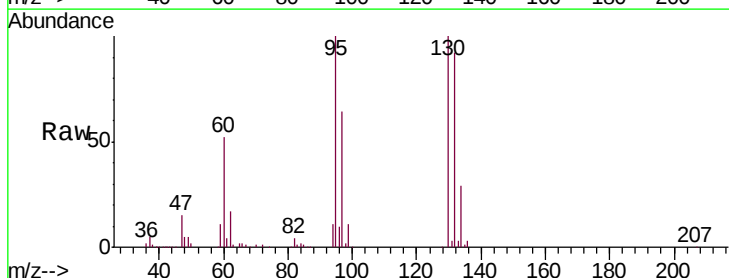
Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Tgt Ion: 95 Resp: 135054

Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.8	83.2
132	92.3	65.0	120.6
130	97.6	68.0	126.4

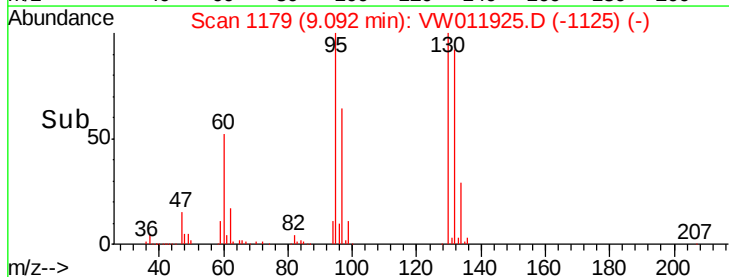
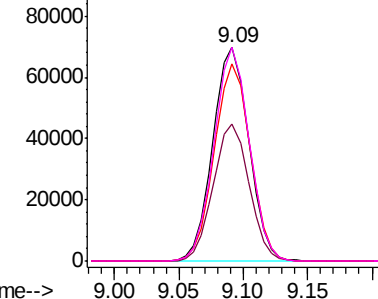


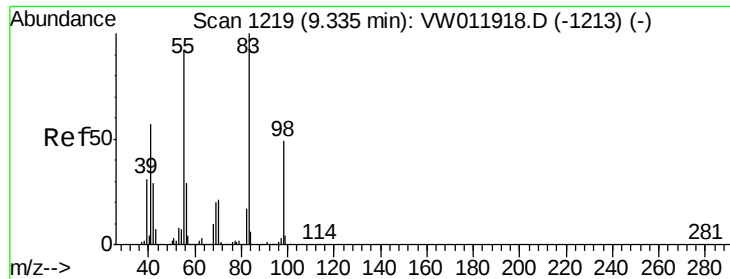
Abundance Ion 95.00 (94.70 to 95.70): VW

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

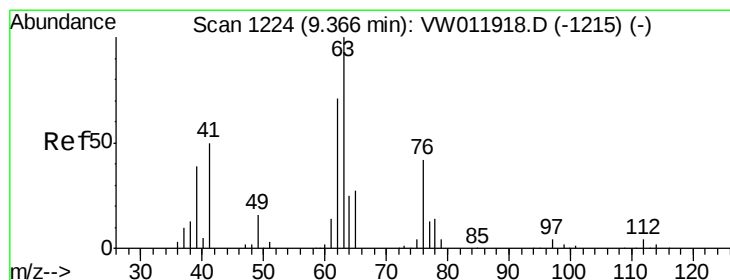
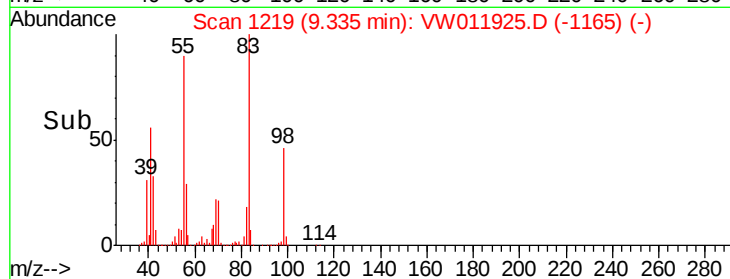
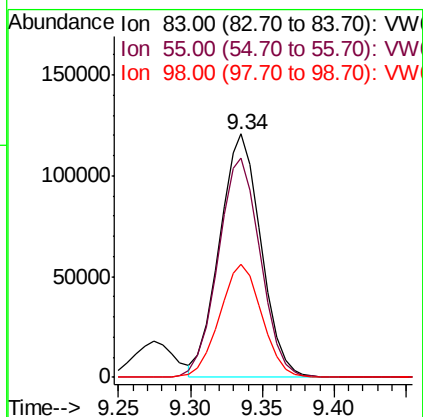
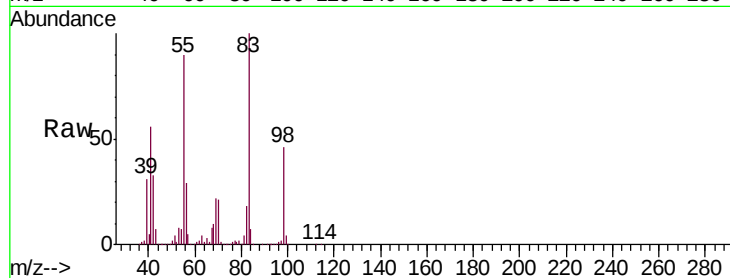




#36
Methylcyclohexane
Concen: 25.688 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011925.D
Acq: 15 Aug 2019 13:19

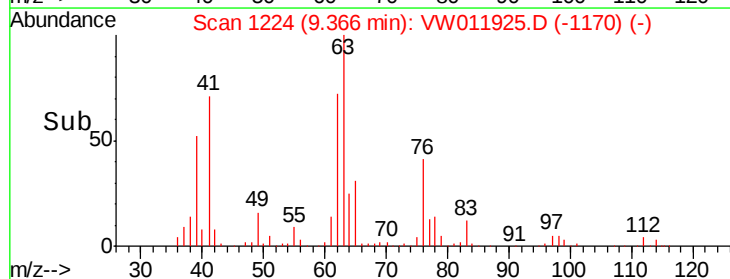
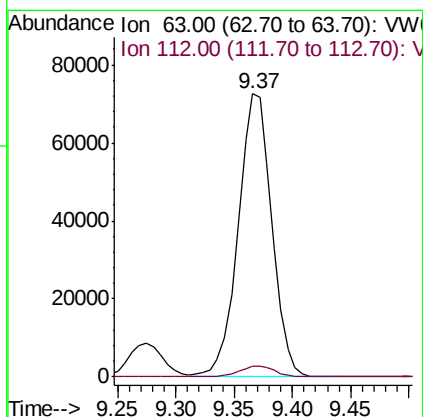
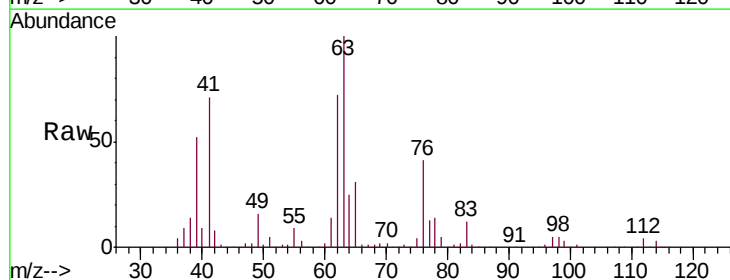
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

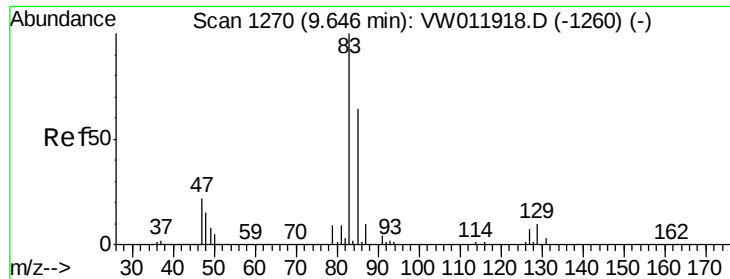
Tgt Ion: 83 Resp: 242068
Ion Ratio Lower Upper
83 100
55 91.9 72.6 108.8
98 47.3 37.8 56.6



#40
1,2-Dichloropropane
Concen: 26.783 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW011925.D
Acq: 15 Aug 2019 13:19

Tgt Ion: 63 Resp: 146279
Ion Ratio Lower Upper
63 100
112 4.0 3.1 4.7





#41

Bromodichloromethane

Concen: 27.052 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

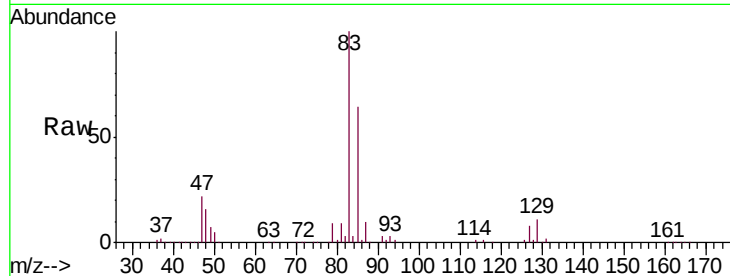
Tgt Ion: 83 Resp: 174351

Ion Ratio Lower Upper

83 100

85 64.1 44.0 81.6

127 7.8 6.5 9.7

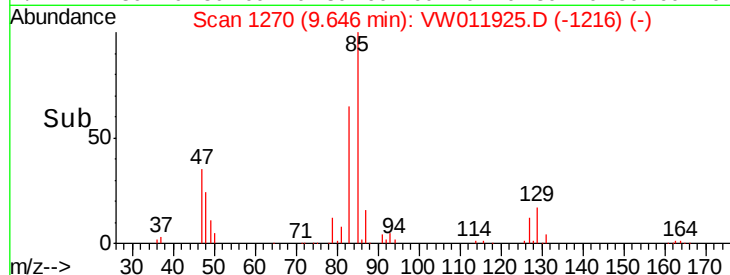


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW

Time-->



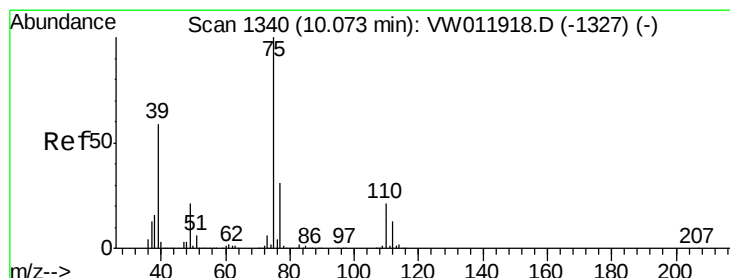
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW

Time-->



#42

cis-1,3-Dichloropropene

Concen: 26.963 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011925.D

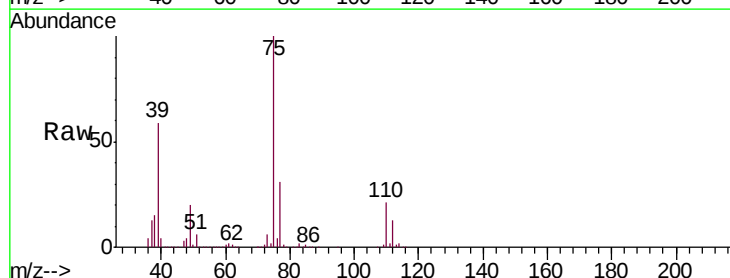
Acq: 15 Aug 2019 13:19

Tgt Ion: 75 Resp: 220267

Ion Ratio Lower Upper

75 100

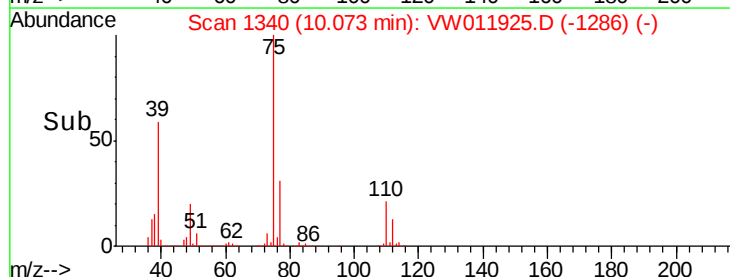
77 30.9 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Time-->

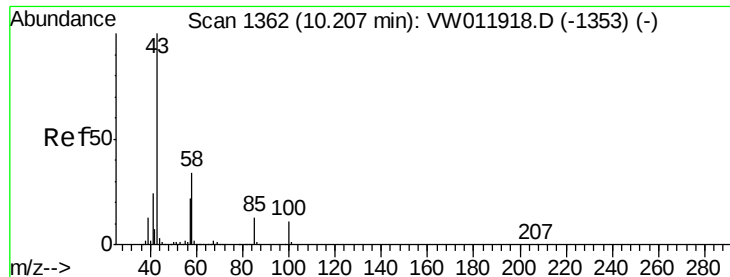


Abundance

Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

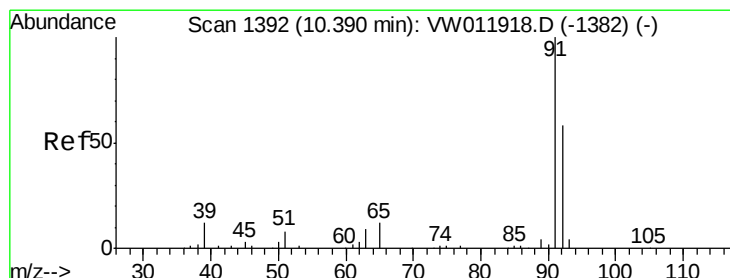
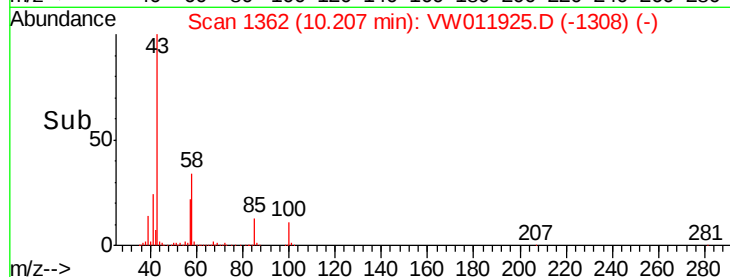
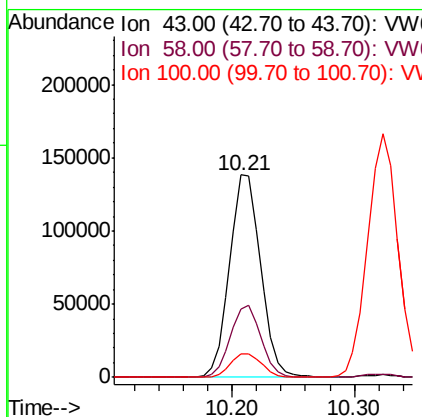
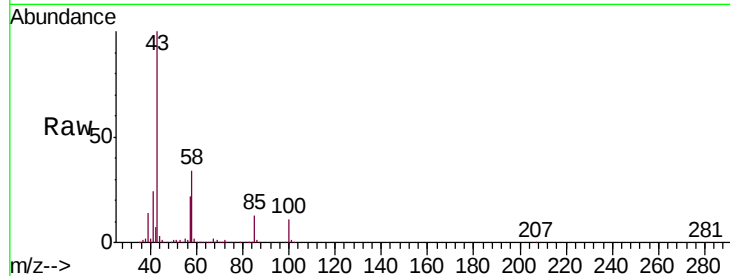
Time-->



#43
4-Methyl-2-pentanone
Concen: 49.256 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011925.D
Acq: 15 Aug 2019 13:19

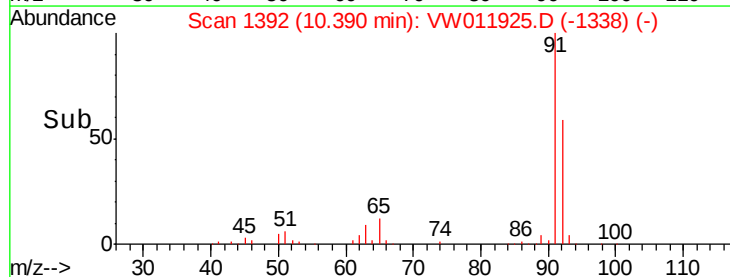
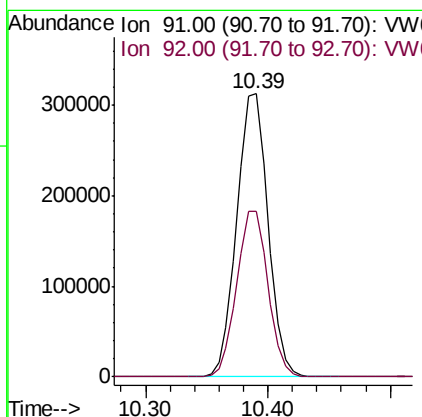
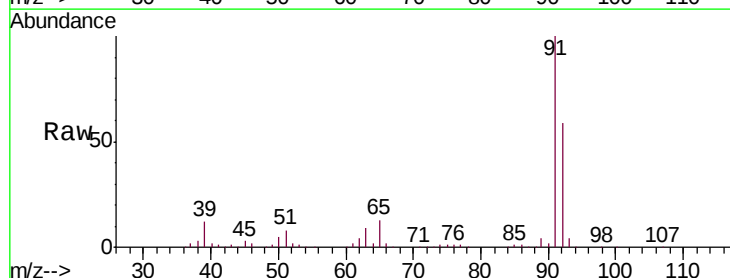
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

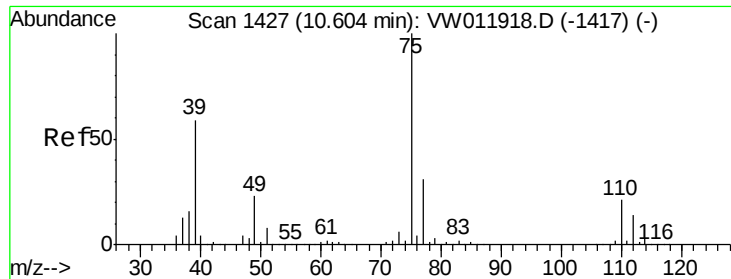
Tgt Ion: 43 Resp: 243743
Ion Ratio Lower Upper
43 100
58 35.1 28.0 42.0
100 11.9 9.4 14.2



#44
Toluene
Concen: 26.670 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW011925.D
Acq: 15 Aug 2019 13:19

Tgt Ion: 91 Resp: 554397
Ion Ratio Lower Upper
91 100
92 58.7 40.9 76.0





#45

trans-1,3-Dichloropropene

Concen: 26.603 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

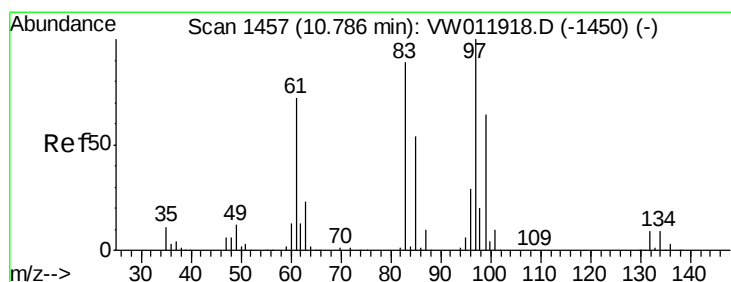
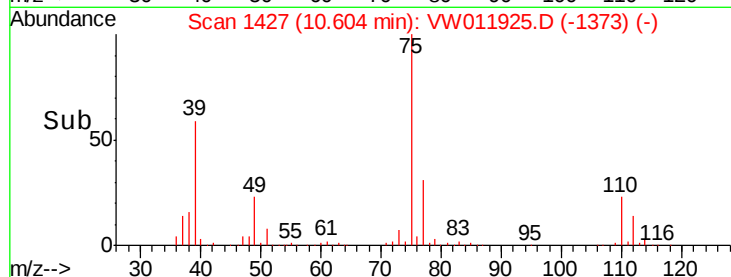
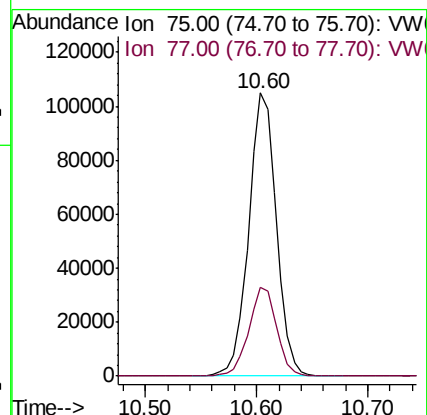
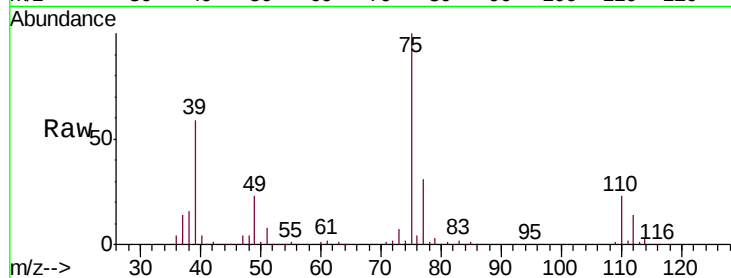
VSTD02517

Tgt Ion: 75 Resp: 180818

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.0



#46

1,1,2-Trichloroethane

Concen: 26.232 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Tgt Ion: 97 Resp: 97679

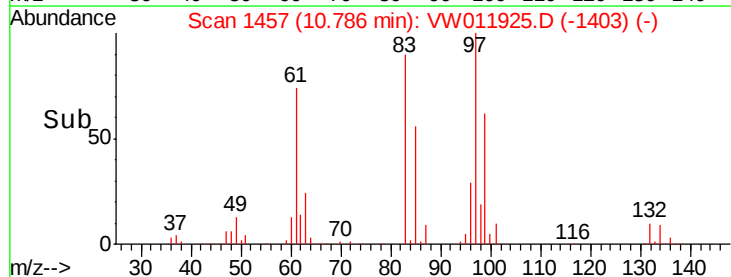
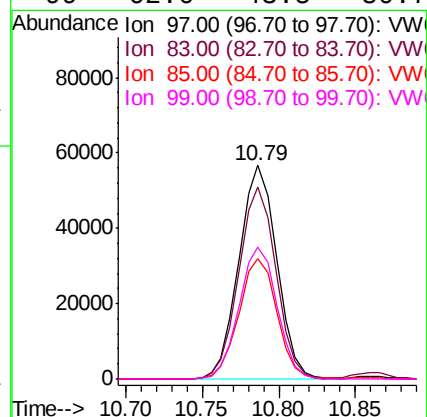
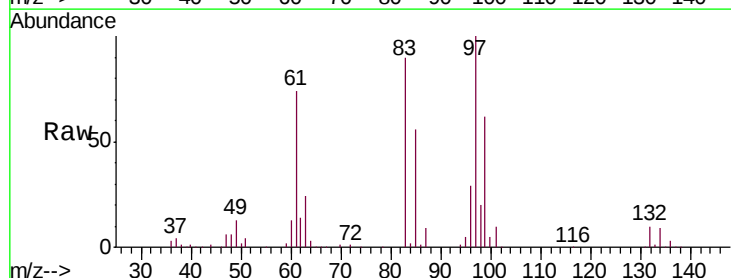
Ion Ratio Lower Upper

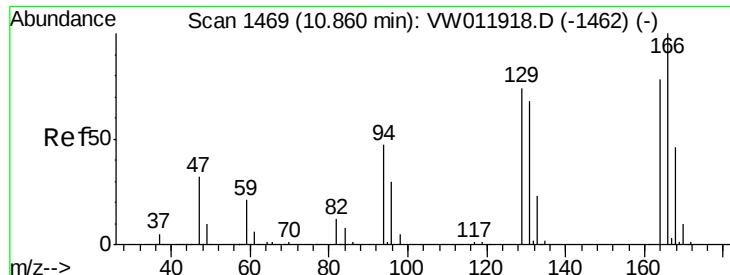
97 100

83 89.9 63.8 118.6

85 56.5 39.3 72.9

99 62.0 43.5 80.7





#47

Tetrachloroethene

Concen: 25.635 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

Tgt Ion:164 Resp: 101708

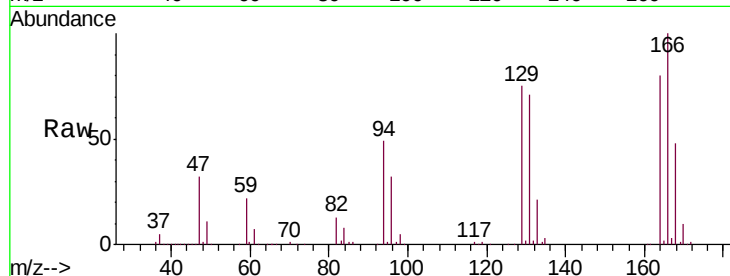
Ion Ratio Lower Upper

164 100

129 94.5 64.0 119.0

131 89.1 58.6 108.8

166 125.7 91.7 170.3

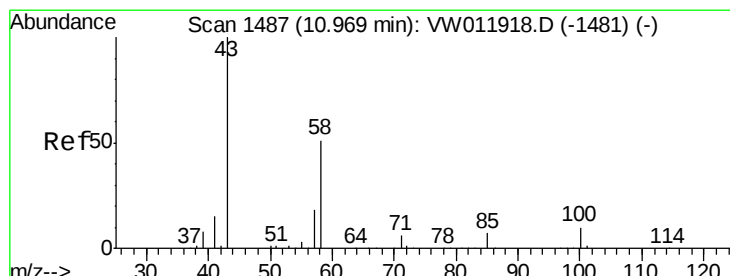
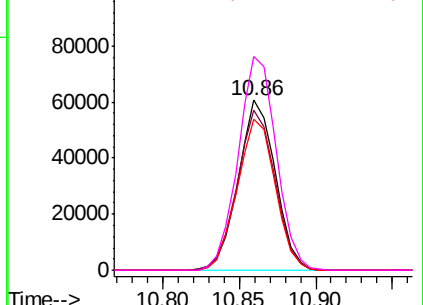
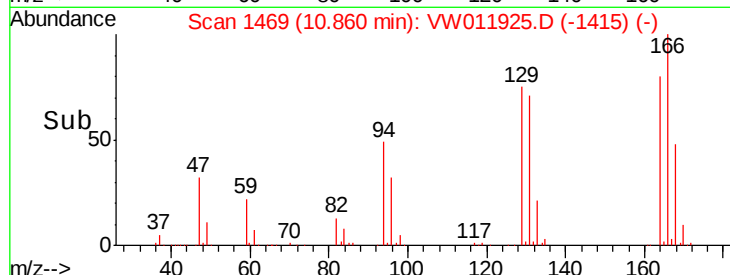


Abundance Ion 164.00 (163.70 to 164.70): V

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: 47.148 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Tgt Ion: 43 Resp: 179750

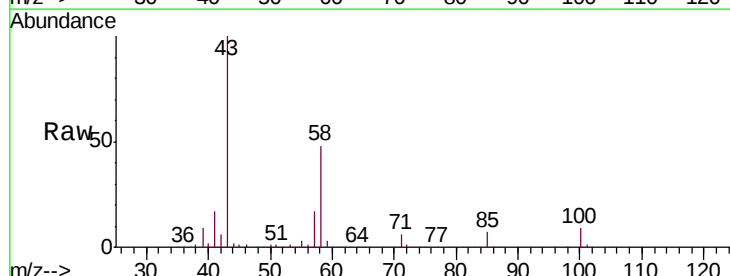
Ion Ratio Lower Upper

43 100

58 48.8 38.6 57.8

57 17.2 13.0 19.6

100 9.6 7.5 11.3

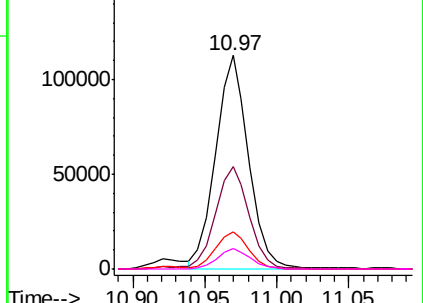
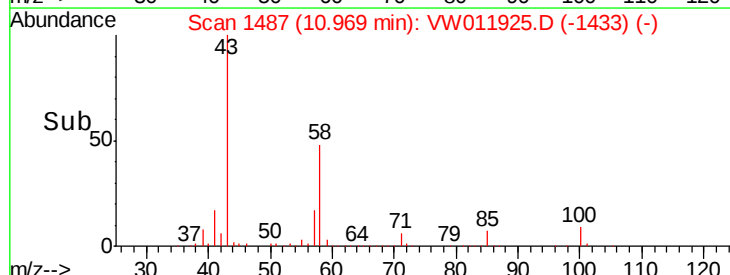


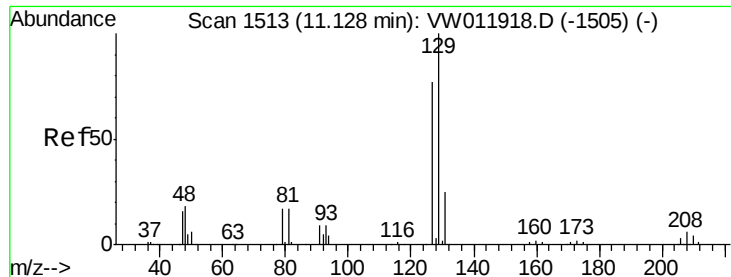
Abundance Ion 43.00 (42.70 to 43.70): VW

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

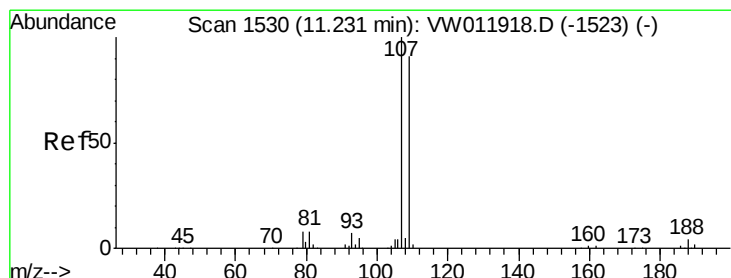
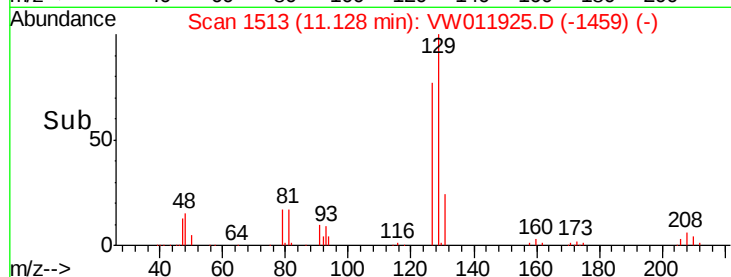
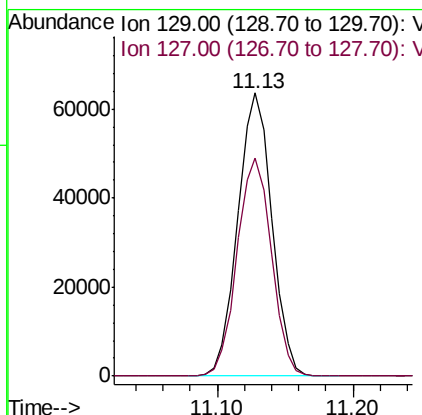
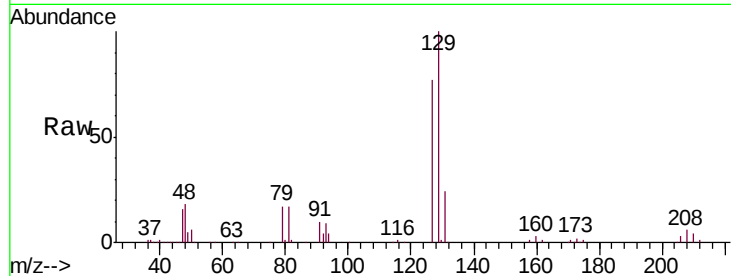




#50
 Dibromochloromethane
 Concen: 27.209 ug/L
 RT: 11.13 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VW011925.D
 Acq: 15 Aug 2019 13:19

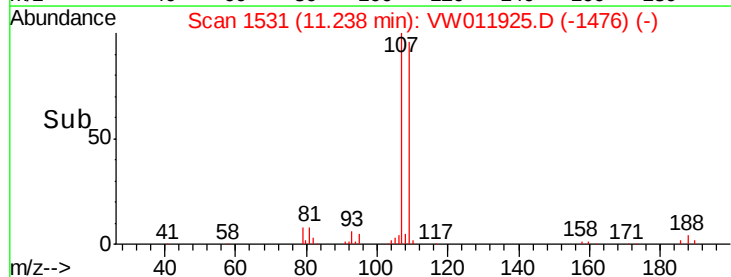
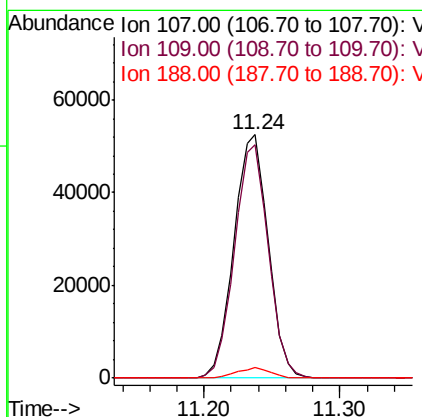
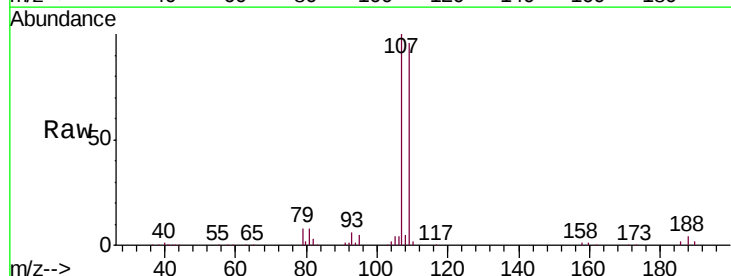
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

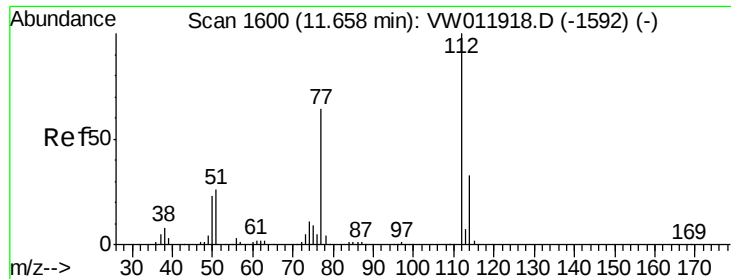
Tgt Ion:129 Resp: 111675
 Ion Ratio Lower Upper
 129 100
 127 77.1 52.6 97.6



#51
 1,2-Dibromoethane
 Concen: 25.494 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW011925.D
 Acq: 15 Aug 2019 13:19

Tgt Ion:107 Resp: 92374
 Ion Ratio Lower Upper
 107 100
 109 96.1 66.1 122.8
 188 4.2 2.9 4.3





#52

Chlorobenzene

Concen: 26.300 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

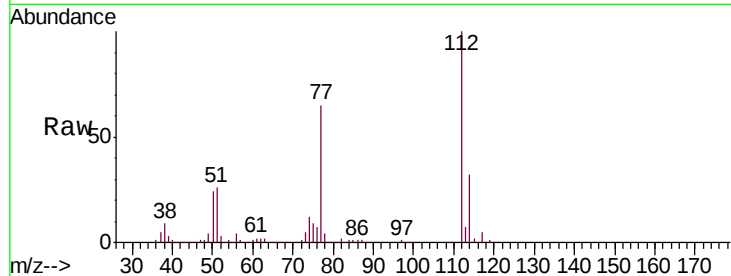
Tgt Ion: 112 Resp: 329840

Ion Ratio Lower Upper

112 100

77 64.5 51.0 76.4

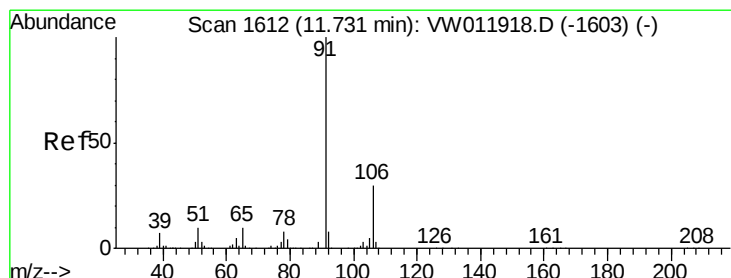
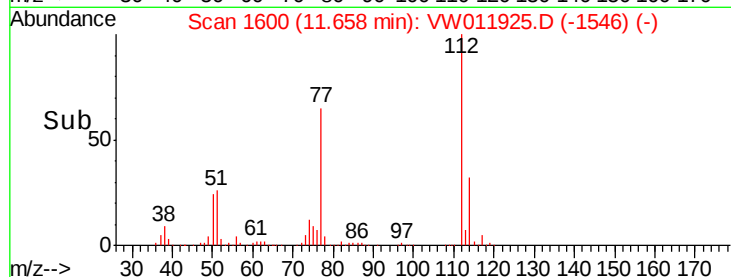
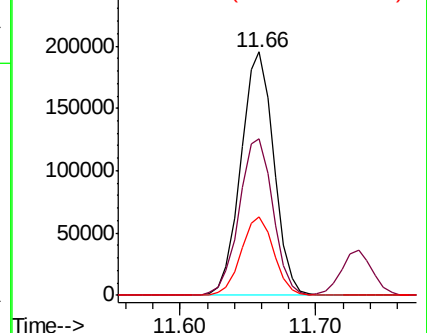
114 32.5 22.4 41.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 26.956 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011925.D

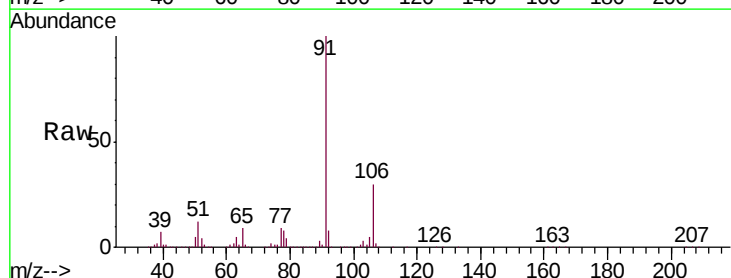
Acq: 15 Aug 2019 13:19

Tgt Ion: 91 Resp: 624891

Ion Ratio Lower Upper

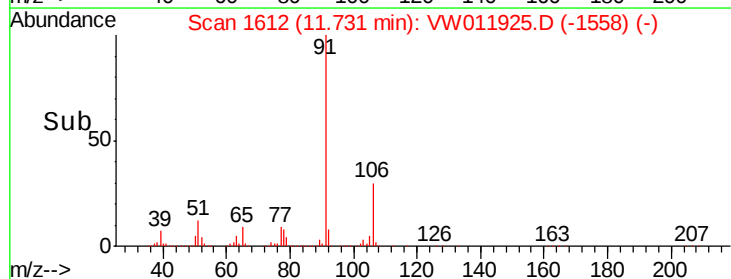
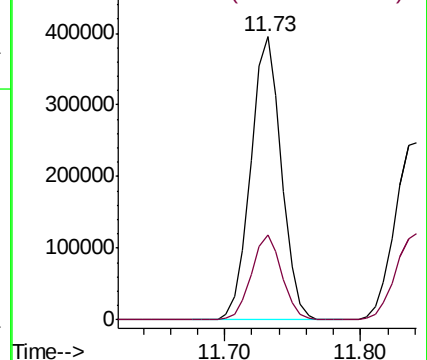
91 100

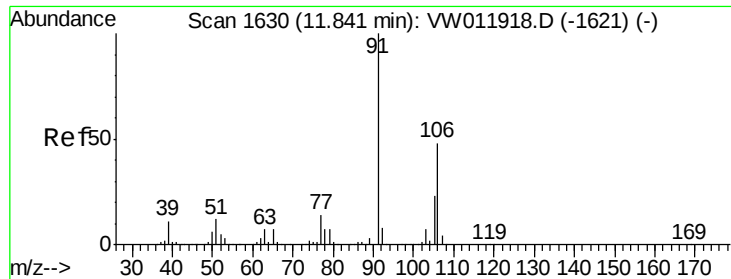
106 30.0 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 26.740 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampled :

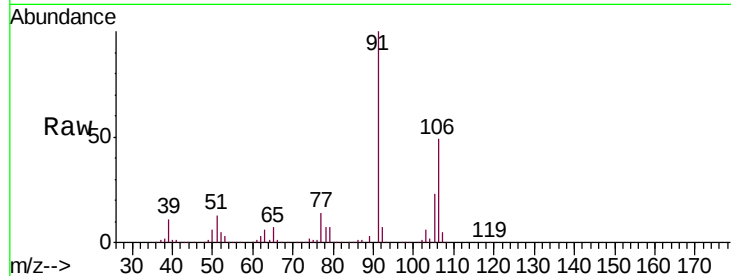
VSTD02517

Tgt Ion:106 Resp: 225411

Ion Ratio Lower Upper

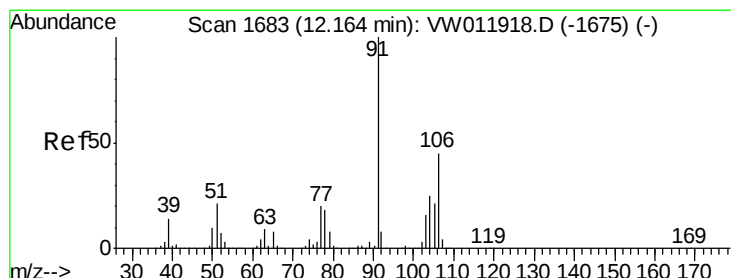
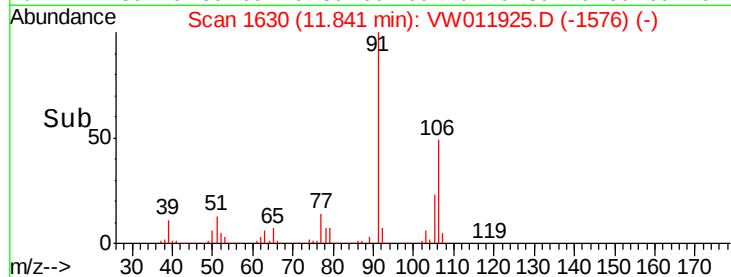
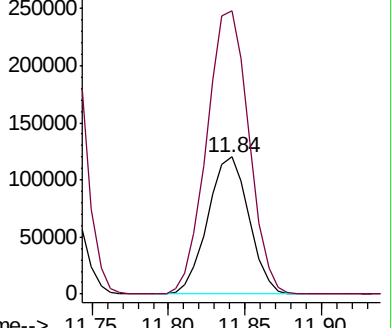
106 100

91 206.2 149.6 277.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 27.019 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW011925.D

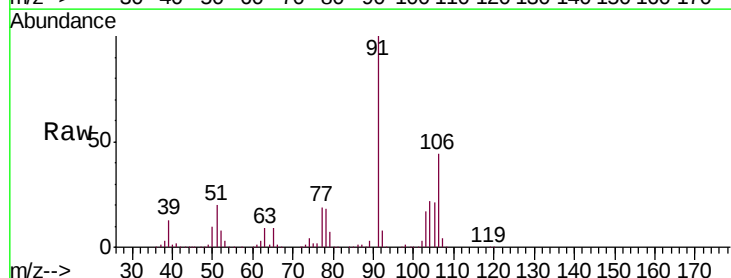
Acq: 15 Aug 2019 13:19

Tgt Ion:106 Resp: 214351

Ion Ratio Lower Upper

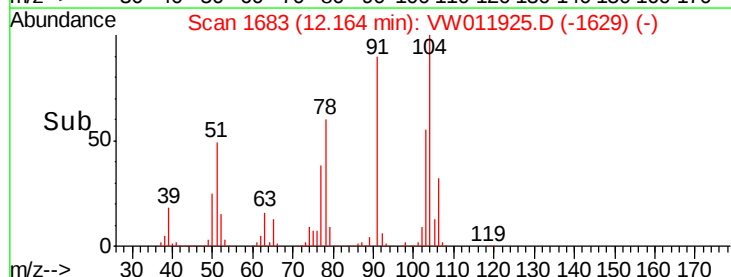
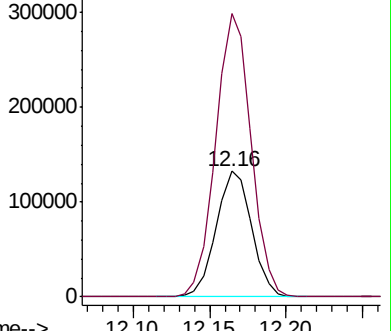
106 100

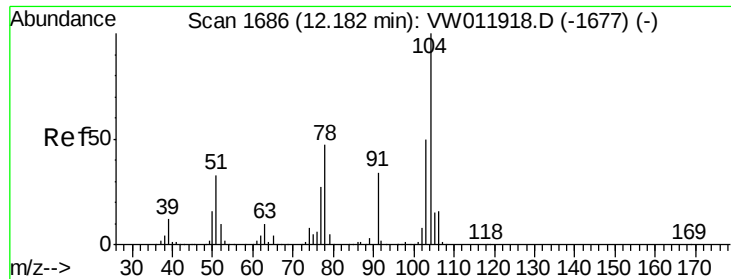
91 224.9 158.3 293.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 27.487 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

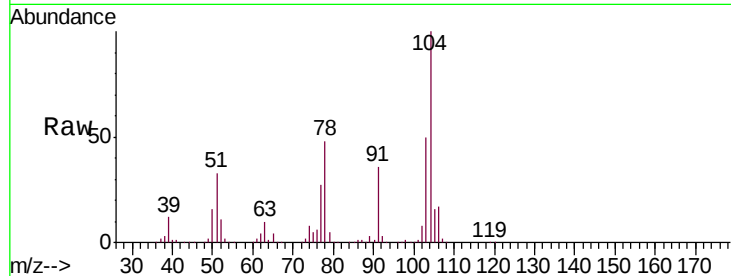
VSTD02517

Tgt Ion:104 Resp: 370729

Ion Ratio Lower Upper

104 100

78 48.5 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

12.18

250000

200000

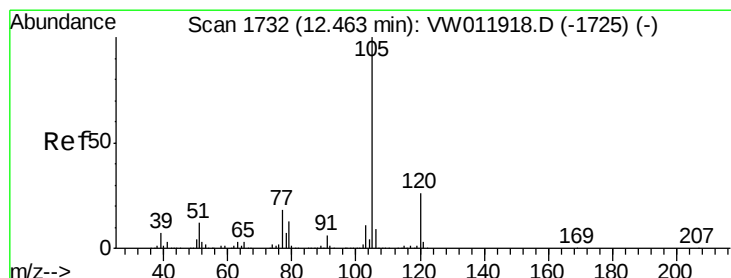
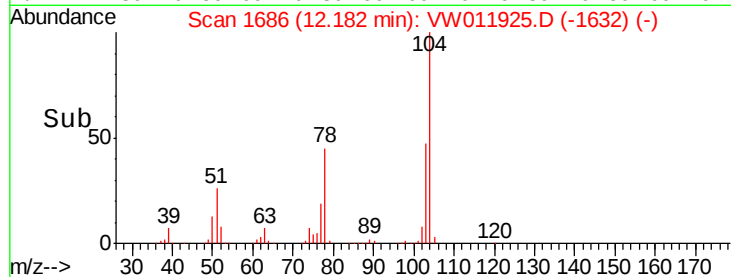
150000

100000

50000

0

Time-->



#57

Isopropylbenzene

Concen: 27.254 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

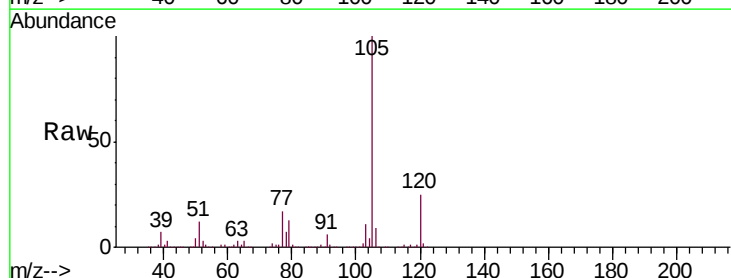
Tgt Ion:105 Resp: 594830

Ion Ratio Lower Upper

105 100

120 25.5 20.6 30.8

77 16.9 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

12.46

500000

400000

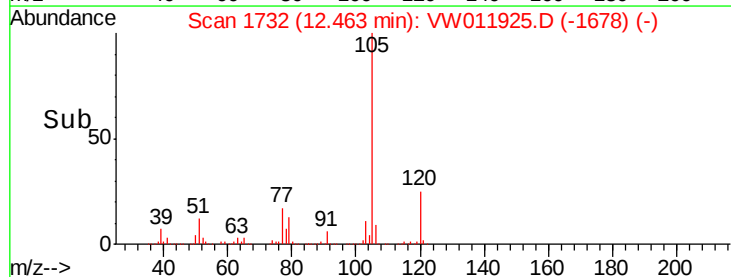
300000

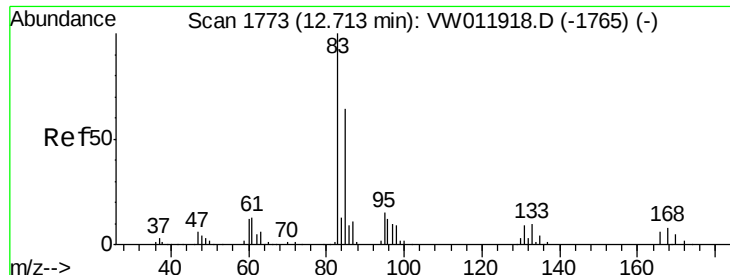
200000

100000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 25.477 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

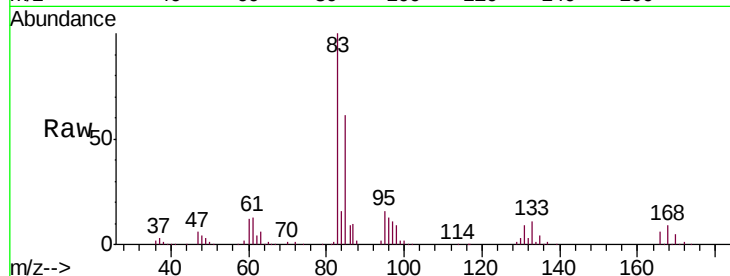
Tgt Ion: 83 Resp: 126067

Ion Ratio Lower Upper

83 100

85 60.9 43.5 80.9

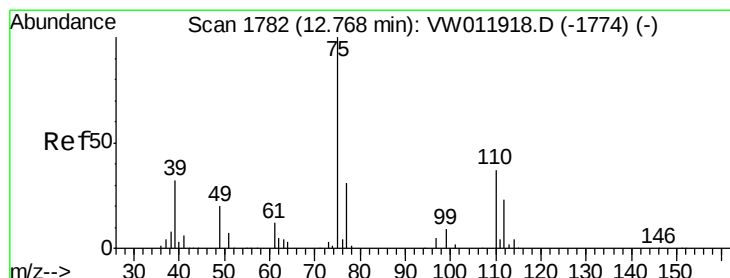
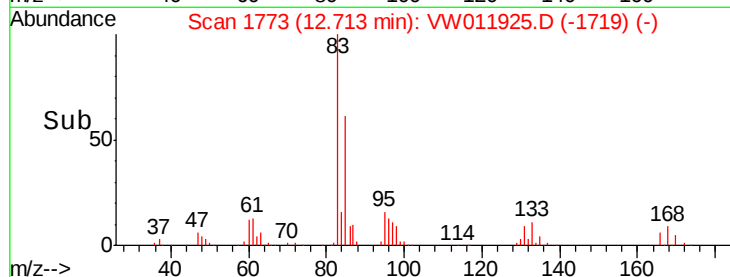
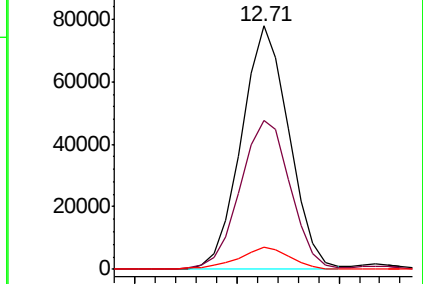
131 9.3 7.5 11.3



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): VW



#59

1,2,3-Trichloropropane

Concen: 25.100 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011925.D

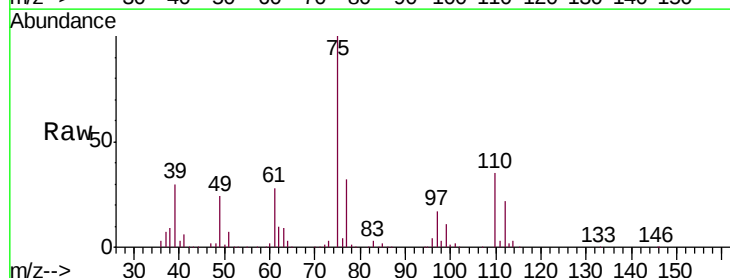
Acq: 15 Aug 2019 13:19

Tgt Ion: 75 Resp: 95796

Ion Ratio Lower Upper

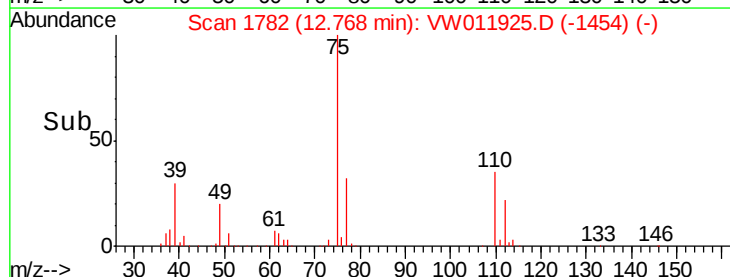
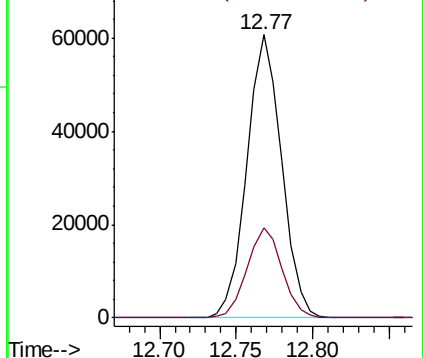
75 100

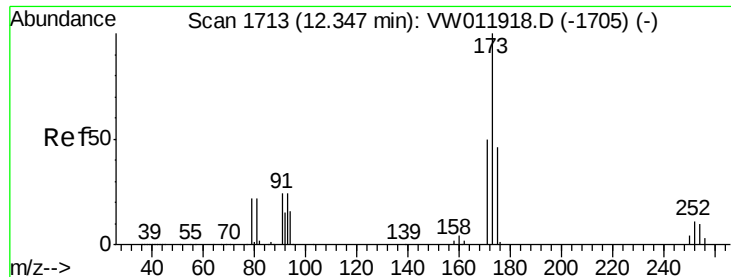
77 32.1 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 24.833 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

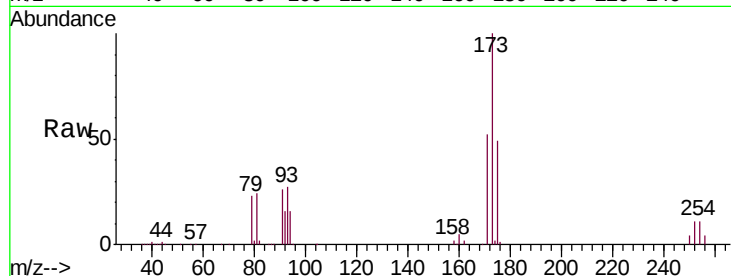
Tgt Ion:173 Resp: 63831

Ion Ratio Lower Upper

173 100

175 48.5 39.4 59.0

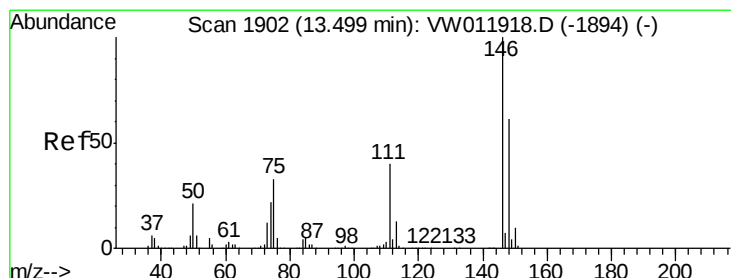
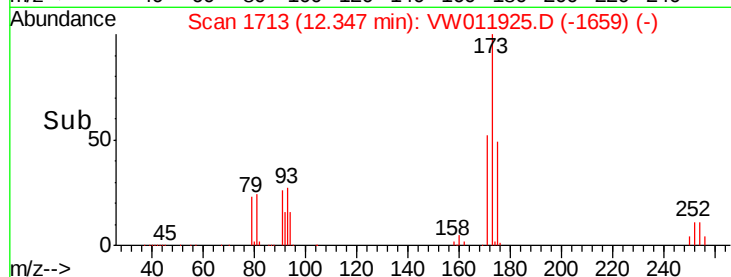
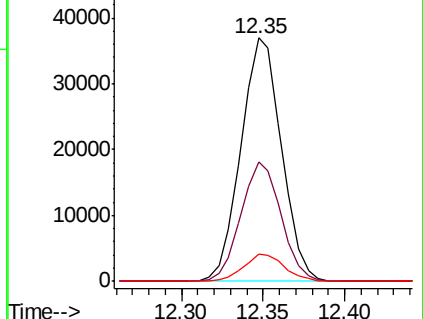
254 11.0 9.0 13.6



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 25.859 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

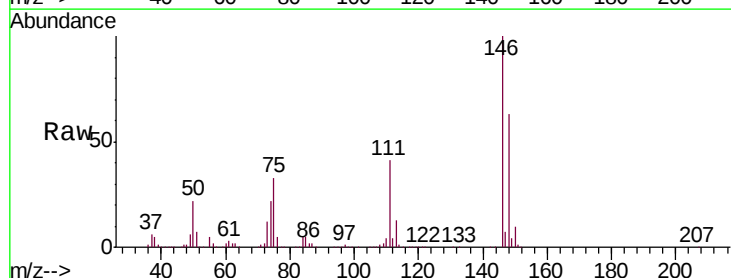
Tgt Ion:146 Resp: 252155

Ion Ratio Lower Upper

146 100

111 41.5 28.6 53.2

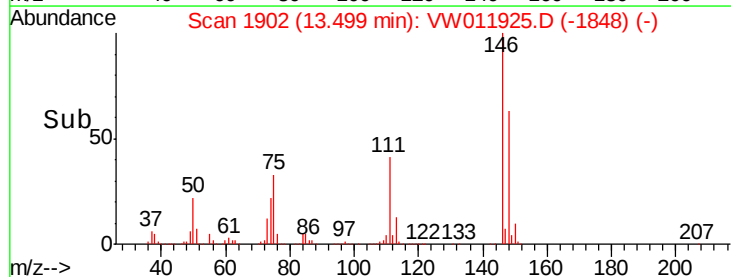
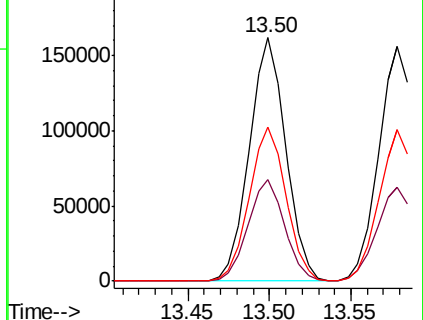
148 63.3 44.4 82.5

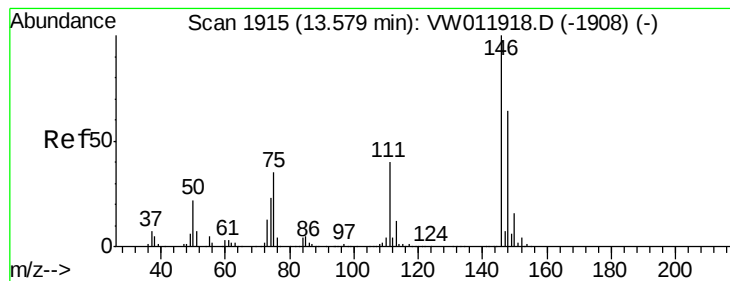


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 25.547 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

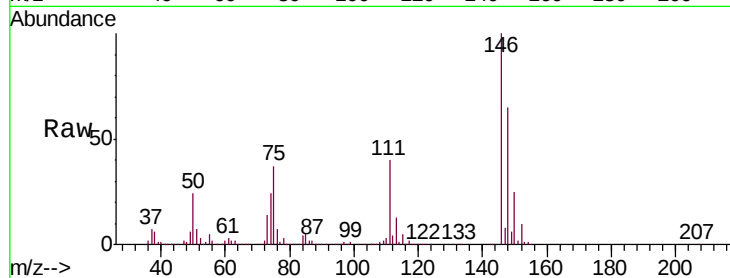
Tgt Ion:146 Resp: 250170

Ion Ratio Lower Upper

146 100

111 40.0 27.4 51.0

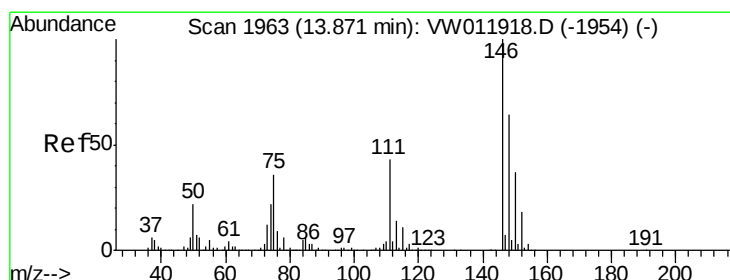
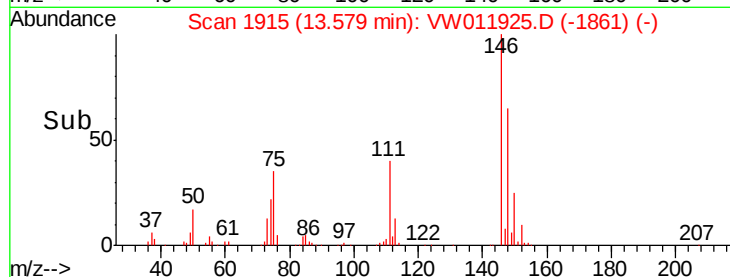
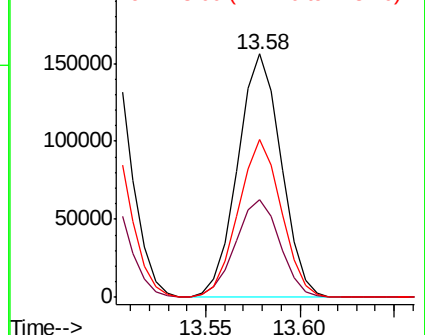
148 64.7 44.4 82.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 26.048 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

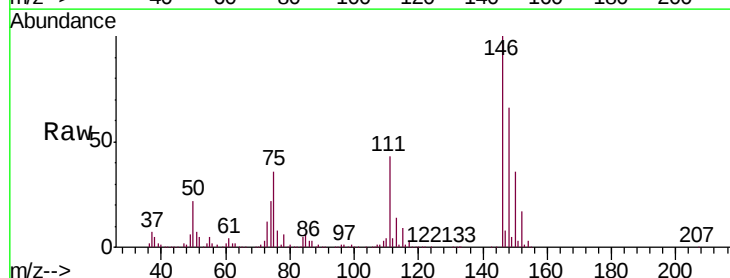
Tgt Ion:146 Resp: 230001

Ion Ratio Lower Upper

146 100

111 43.3 34.6 51.8

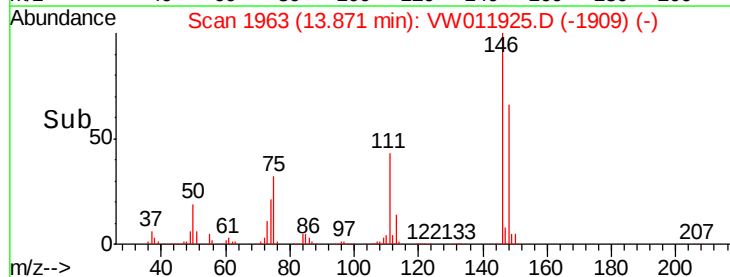
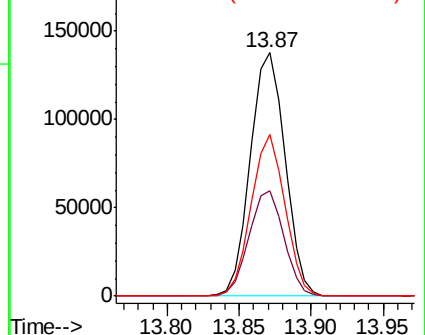
148 66.2 50.9 76.3

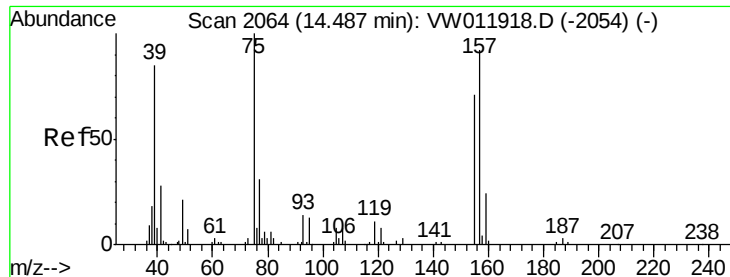


Abundance Ion 146.00 (145.70 to 146.70): V

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: 23.702 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

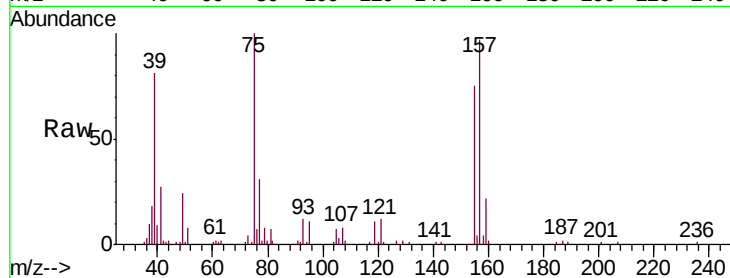
Tgt Ion: 75 Resp: 21661

Ion Ratio Lower Upper

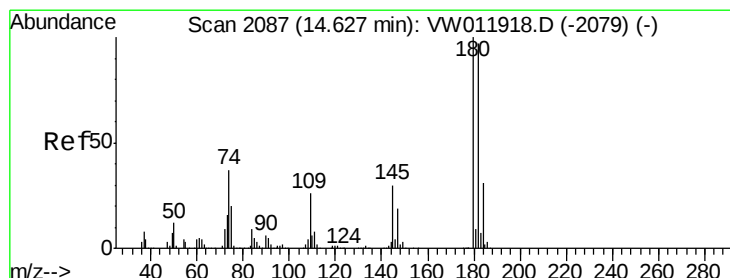
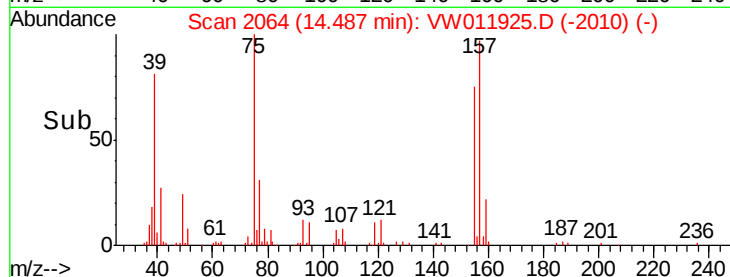
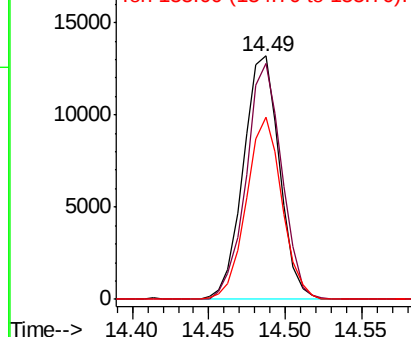
75 100

157 96.8 79.3 118.9

155 74.8 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: 26.439 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW011925.D

Acq: 15 Aug 2019 13:19

Tgt Ion: 180 Resp: 189754

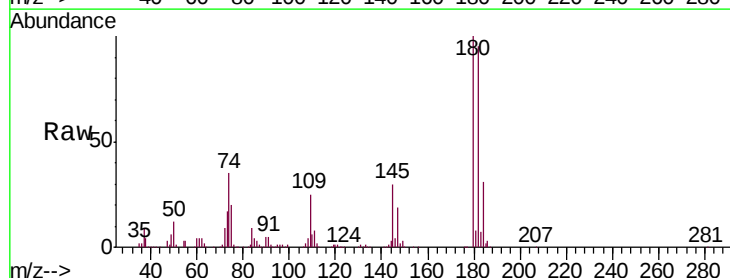
Ion Ratio Lower Upper

180 100

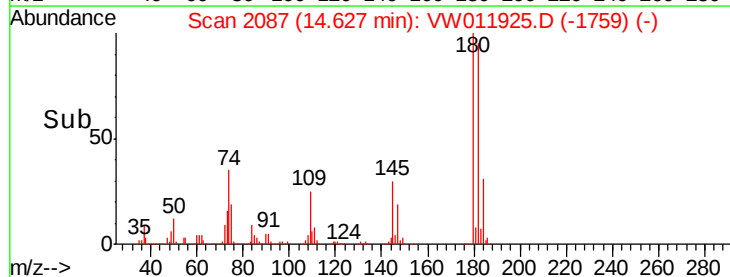
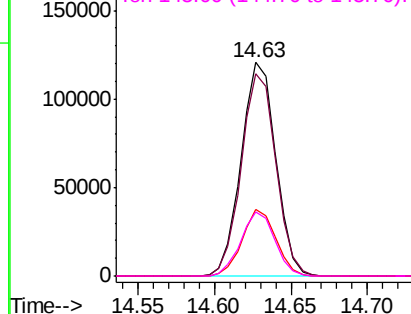
182 95.1 75.9 113.9

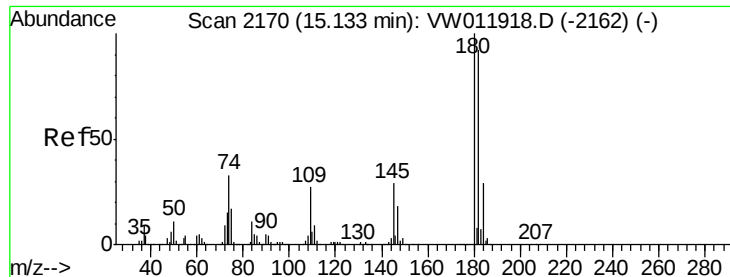
184 30.7 24.2 36.2

145 29.6 23.0 34.6



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

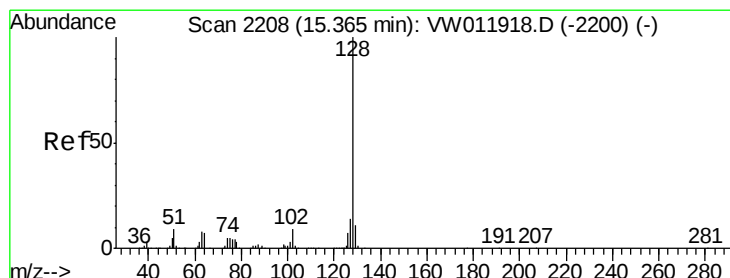
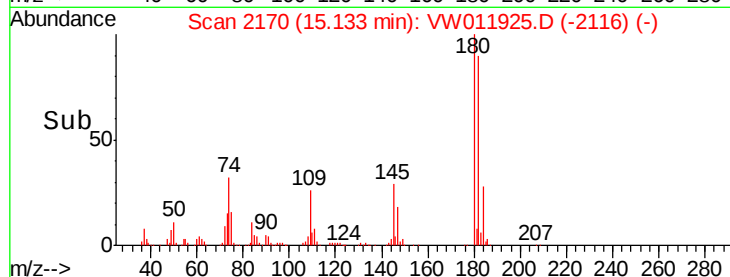
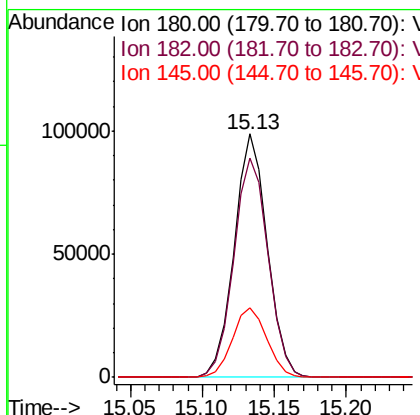
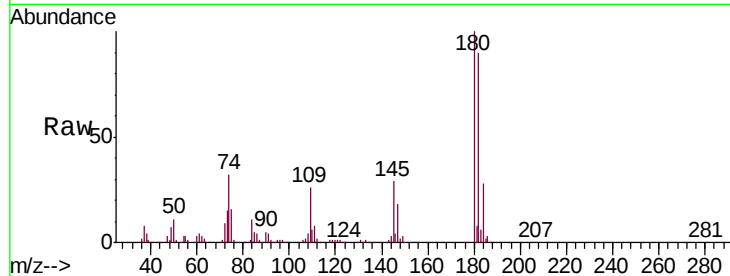




#68
 1,2,4-trichlorobenzene
 Concen: 27.258 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011925.D
 Acq: 15 Aug 2019 13:19

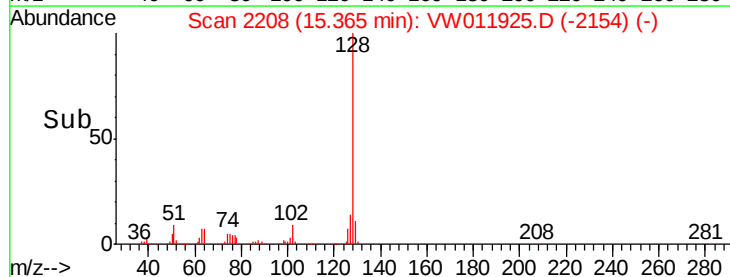
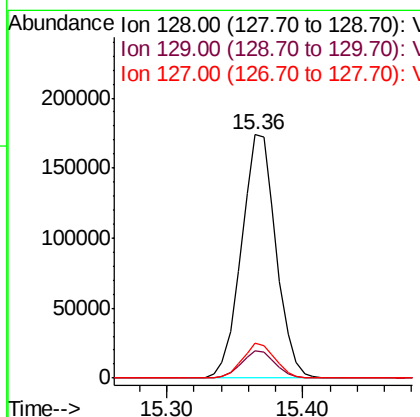
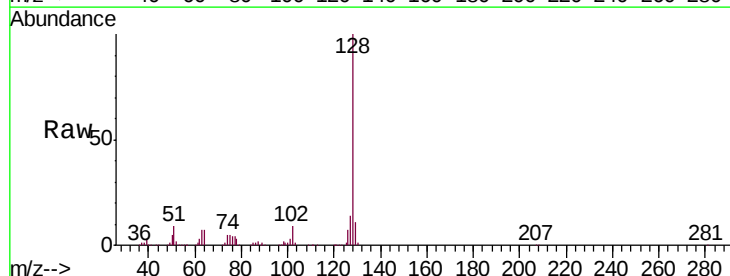
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

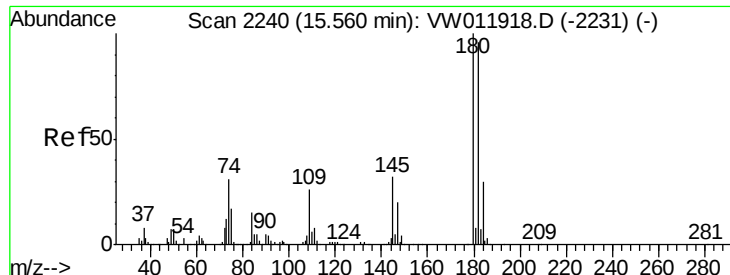
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	77.3	115.9
145	30.0	24.3	36.5



#69
 Naphthalene
 Concen: 26.473 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW011925.D
 Acq: 15 Aug 2019 13:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.6	10.6	16.0

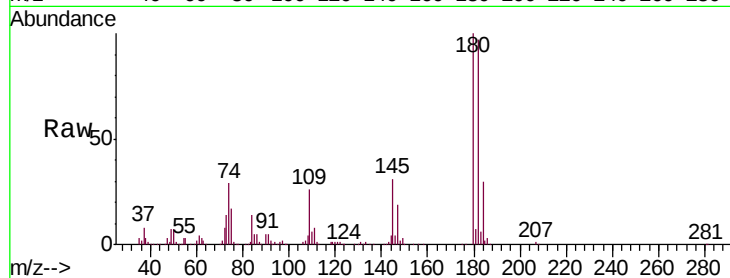




#70
 1,2,3-Trichlorobenzene
 Concen: 27.192 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW011925.D
 Acq: 15 Aug 2019 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	74.9	112.3
145	31.6	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

