

Data File : VW011440.D
Acq On : 23 Jul 2019 14:16
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

Quant Time: Jul 24 01:22:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 24 01:19:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	373965	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	334836	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	161820	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	121246	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.16%
7) Chloroethane-d5	2.89	69	88436	24.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.28%
10) 1,1-Dichloroethene-d2	4.03	63	283536	25.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.28%
20) 2-Butanone-d5	7.07	46	117057	55.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.12%
24) Chloroform-d	7.65	84	244301	25.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.04%
26) 1,2-Dichloroethane-d4	8.30	65	146102	25.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.64%
29) Benzene-d6	8.27	84	495869	24.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.04%
33) 1,2-Dichloropropane-d6	9.27	67	161710	24.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.68%
37) Toluene-d8	10.32	98	440411	24.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.16%
38) trans-1,3-Dichloropropene-	10.58	79	70028	24.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.92%
39) 2-Hexanone-d5	10.92	63	78012	55.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	135032	26.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	150513	24.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.08%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	130155	28.531 ug/L	95
3) Chloromethane	2.21	50	130019	23.491 ug/L	98
5) Vinyl chloride	2.36	62	168572	25.860 ug/L	99
6) Bromomethane	2.78	94	79080	25.128 ug/L	100
8) Chloroethane	2.92	64	89413	25.759 ug/L	98
9) Trichlorofluoromethane	3.26	101	71806	23.160 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	130855	26.299 ug/L	98
12) 1,1-Dichloroethene	4.04	96	128147	25.799 ug/L	83
13) Acetone	4.12	43	117669	52.317 ug/L	100
14) Carbon disulfide	4.38	76	411239	25.535 ug/L	99
15) Methyl Acetate	4.67	43	92338	26.737 ug/L	100
16) Methylene chloride	4.91	84	133575	24.538 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	193980	24.701 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	128974	25.179 ug/L	94
19) 1,1-Dichloroethane	6.21	63	260874	25.640 ug/L	97
21) 2-Butanone	7.16	43	151309	52.348 ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	136985	25.245 ug/L	96

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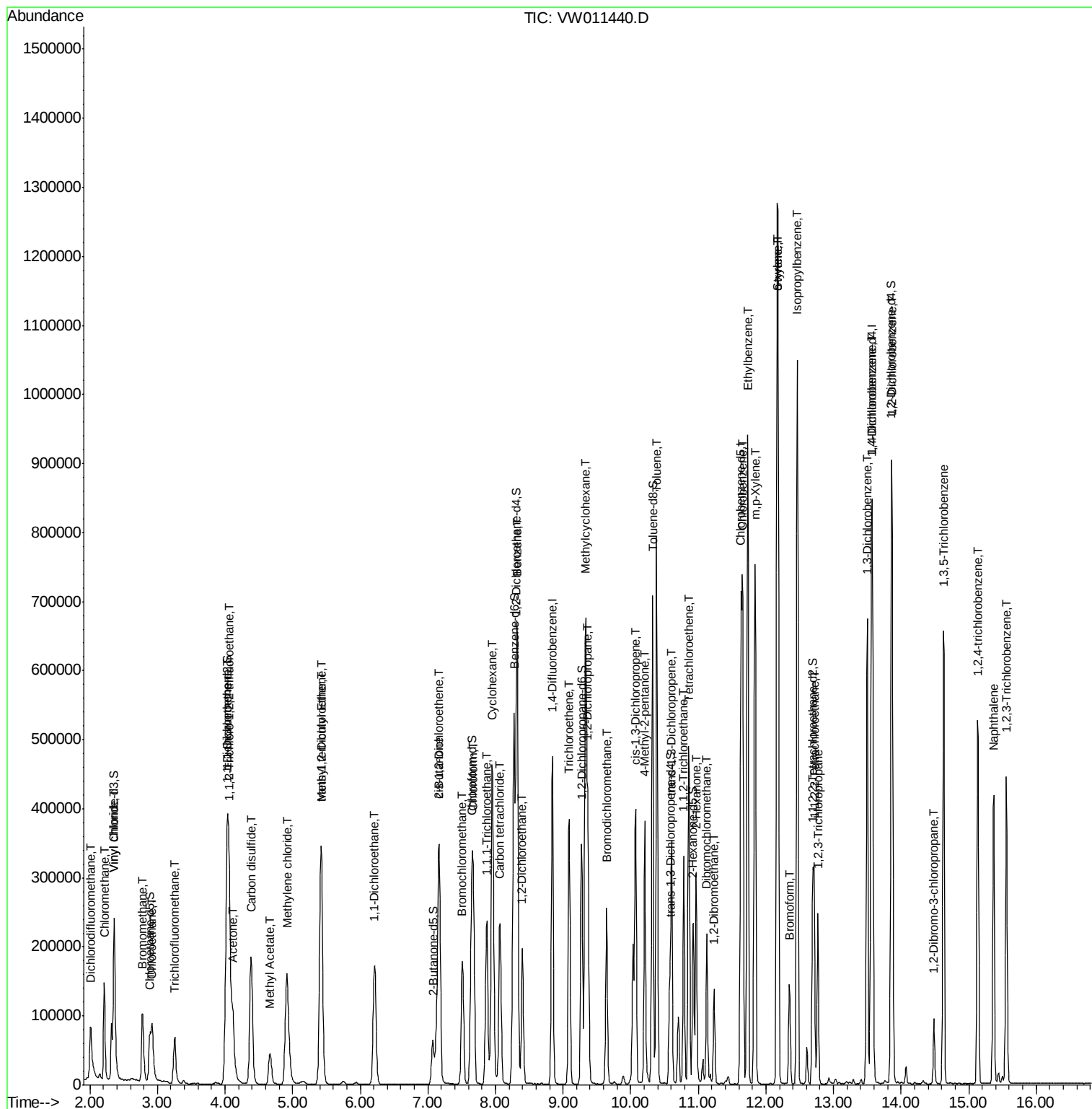
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56883	25.082	ug/L	94
25) Chloroform	7.67	83	237099	25.297	ug/L	99
27) 1,2-Dichloroethane	8.40	62	173941	25.463	ug/L	99
30) Cyclohexane	7.95	56	276645	25.365	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	188055	25.230	ug/L	100
32) Carbon tetrachloride	8.07	117	174488	25.191	ug/L	99
34) Benzene	8.32	78	544585	25.055	ug/L	100
35) Trichloroethene	9.09	95	137696	24.925	ug/L	99
36) Methylcyclohexane	9.34	83	253186	25.204	ug/L	98
40) 1,2-Dichloropropane	9.37	63	146092	25.018	ug/L	100
41) Bromodichloromethane	9.64	83	170850	25.023	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	219682	25.040	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	262570	52.522	ug/L	99
44) Toluene	10.39	91	562147	25.215	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	182422	25.301	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	98277	25.142	ug/L	98
47) Tetrachloroethene	10.86	164	106121	25.039	ug/L	97
49) 2-Hexanone	10.97	43	205073	54.344	ug/L	99
50) Dibromochloromethane	11.13	129	109081	25.210	ug/L	97
51) 1,2-Dibromoethane	11.23	107	96067	25.413	ug/L	96
52) Chlorobenzene	11.66	112	333281	24.789	ug/L	99
53) Ethylbenzene	11.73	91	633039	25.230	ug/L	99
54) m,p-Xylene	11.84	106	229089	24.930	ug/L	99
55) o-xylene	12.16	106	216689	25.019	ug/L	96
56) Styrene	12.18	104	377000	25.875	ug/L	99
57) Isopropylbenzene	12.46	105	605449	25.664	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	130942	25.788	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	100898	26.008	ug/L	100
62) Bromoform	12.35	173	64222	25.075	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	256194	25.002	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	259693	24.951	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	236914	25.127	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	22985	25.575	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	197191	25.226	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	164889	25.452	ug/L	99
69) Naphthalene	15.37	128	347200	26.328	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	151434	25.802	ug/L	100

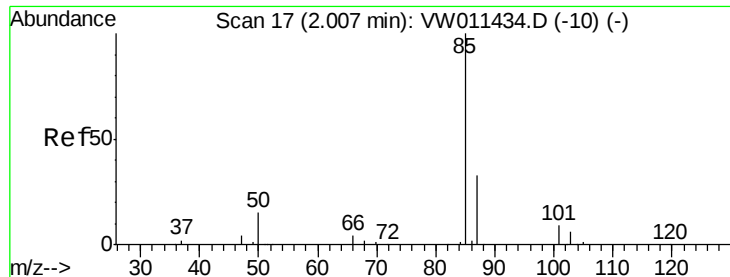
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 28.531 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

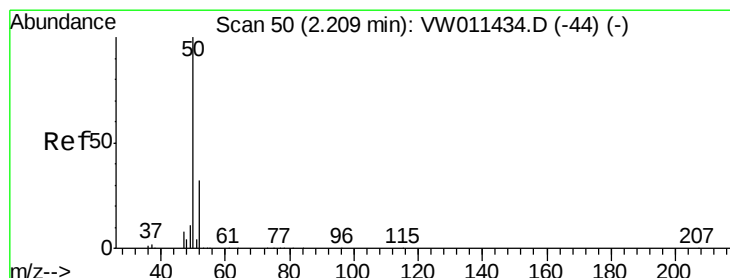
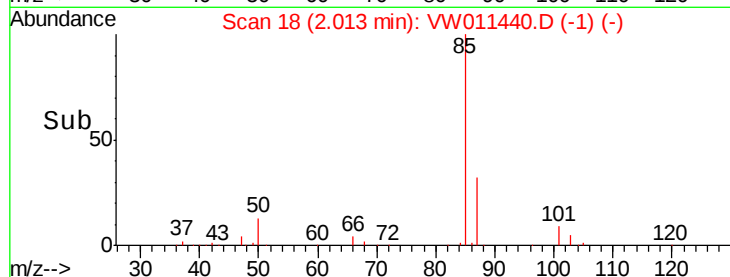
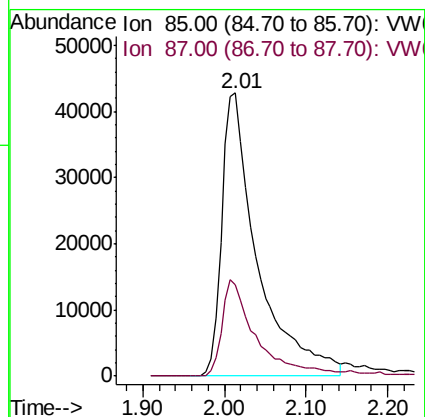
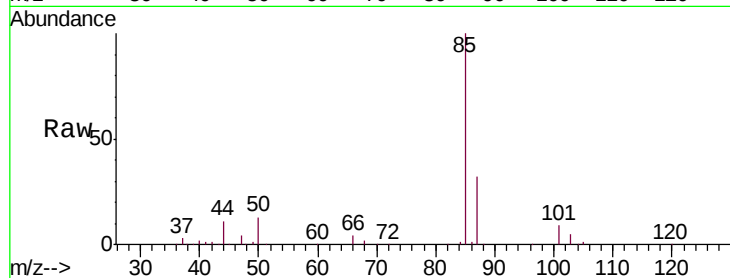
VSTD02518

Tgt Ion: 85 Resp: 130155

Ion Ratio Lower Upper

85 100

87 32.1 20.6 38.2



#3

Chloromethane

Concen: 23.491 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW011440.D

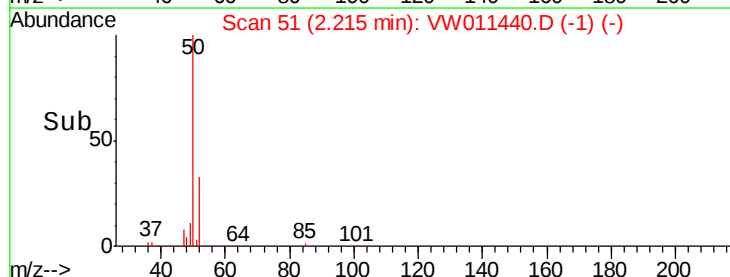
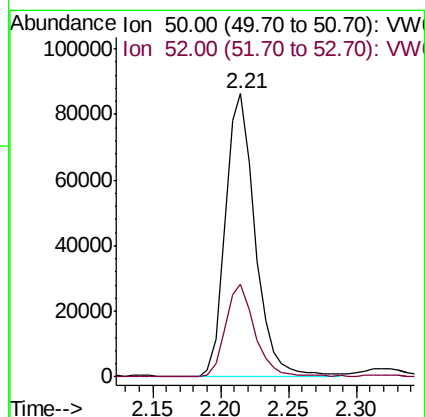
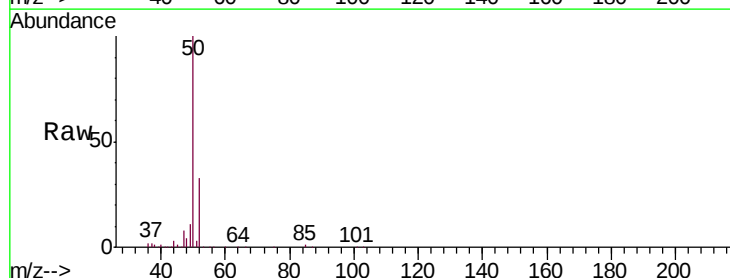
Acq: 23 Jul 2019 14:16

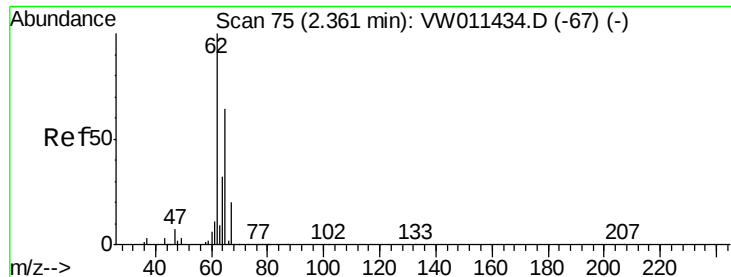
Tgt Ion: 50 Resp: 130019

Ion Ratio Lower Upper

50 100

52 32.6 22.0 41.0





#5

Vinyl chloride

Concen: 25.860 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

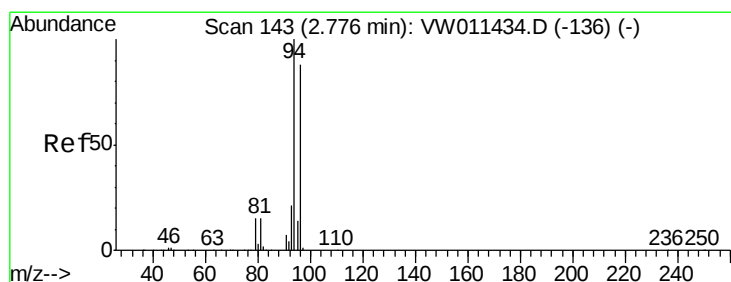
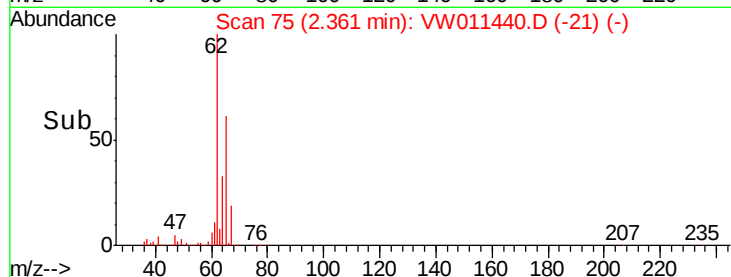
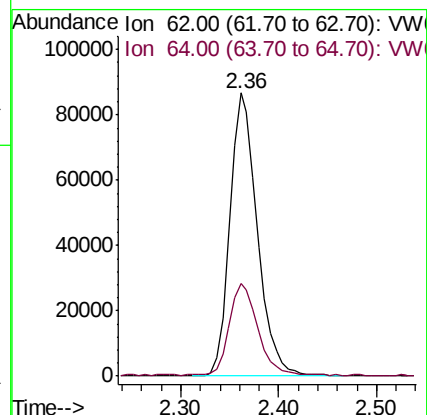
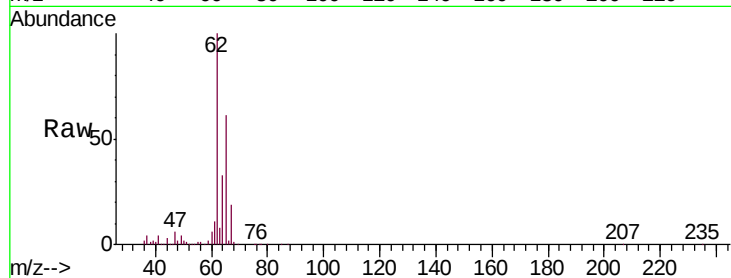
VSTD02518

Tgt Ion: 62 Resp: 168572

Ion Ratio Lower Upper

62 100

64 32.6 23.3 43.3



#6

Bromomethane

Concen: 25.128 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011440.D

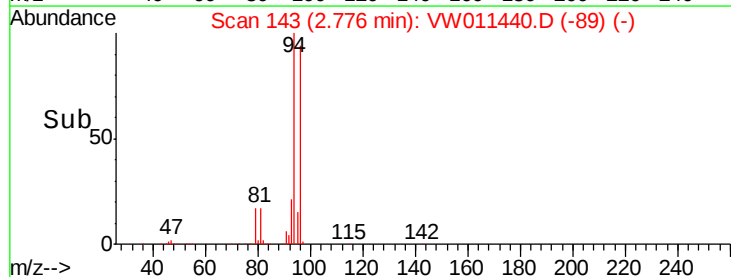
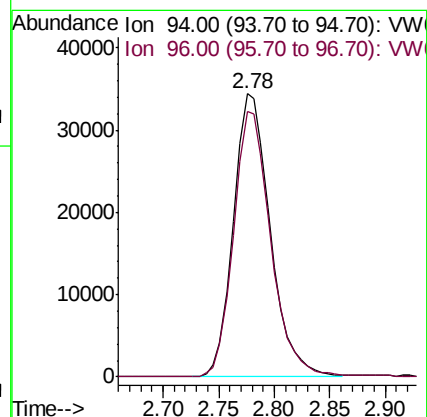
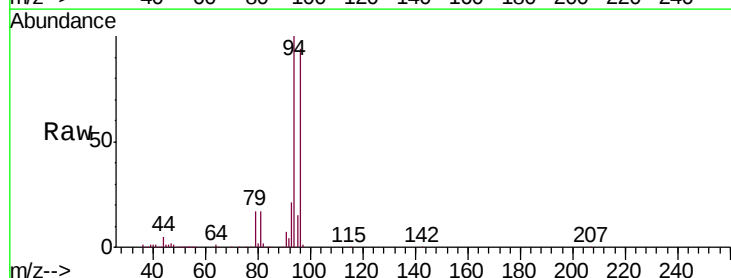
Acq: 23 Jul 2019 14:16

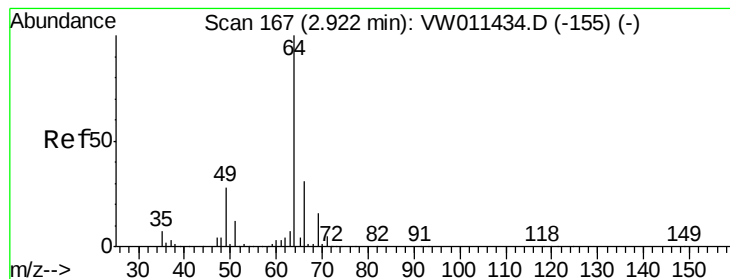
Tgt Ion: 94 Resp: 79080

Ion Ratio Lower Upper

94 100

96 94.2 9.4 178.8





#8

Chloroethane

Concen: 25.759 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

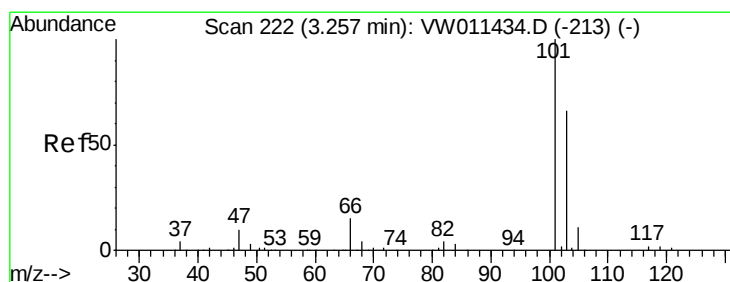
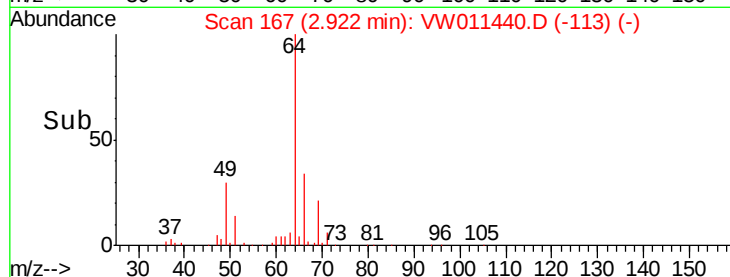
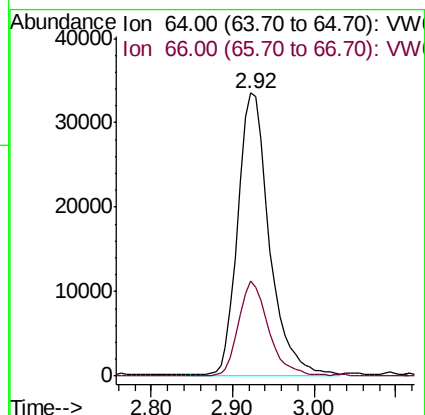
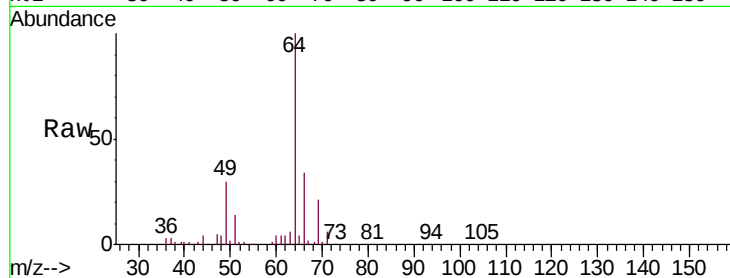
VSTD02518

Tgt Ion: 64 Resp: 89413

Ion Ratio Lower Upper

64 100

66 33.7 22.7 42.3



#9

Trichlorofluoromethane

Concen: 23.160 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW011440.D

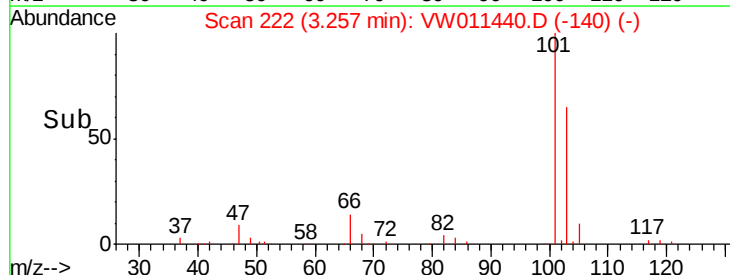
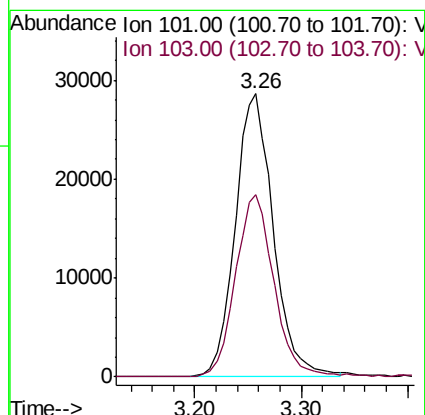
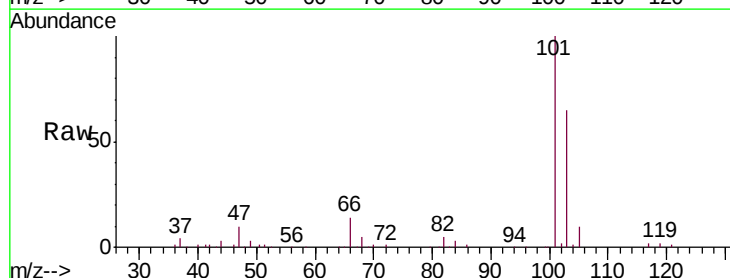
Acq: 23 Jul 2019 14:16

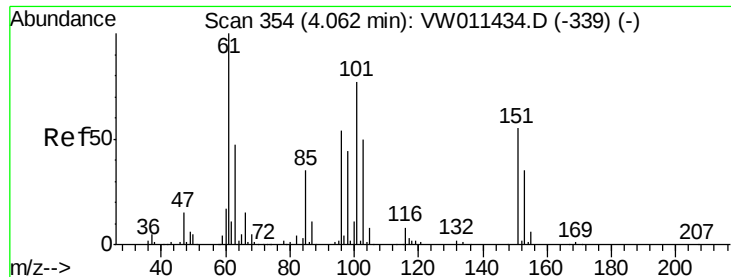
Tgt Ion: 101 Resp: 71806

Ion Ratio Lower Upper

101 100

103 64.6 45.2 84.0





#11

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

Concen: 26.299 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW011440.D

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Instrument :

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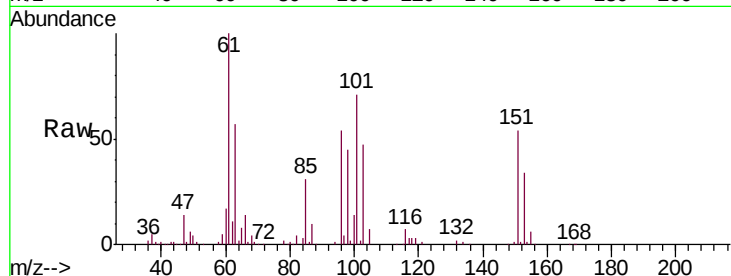
Tgt Ion: 101 Resp: 130855

Ion Ratio Lower Upper

101 100

85 44.4 35.2 52.8

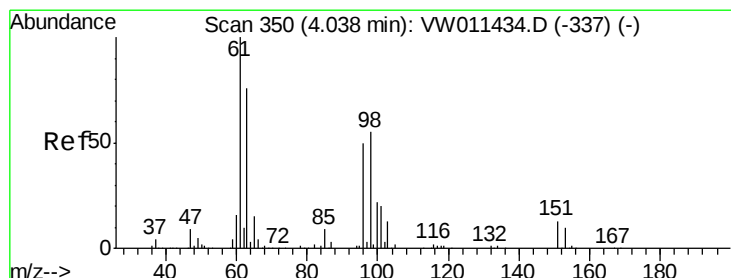
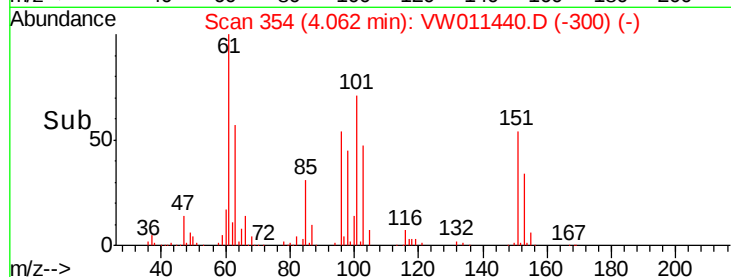
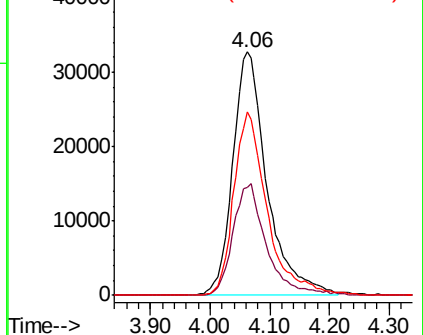
151 70.2 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.799 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

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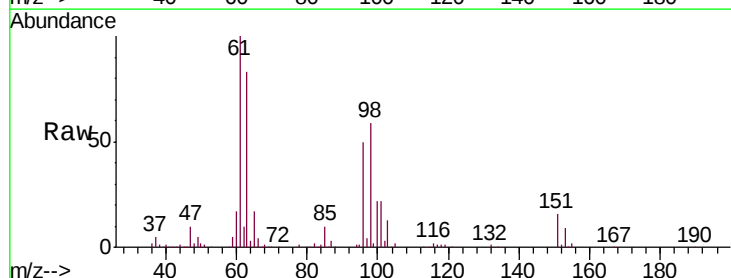
Tgt Ion: 96 Resp: 128147

Ion Ratio Lower Upper

96 100

61 200.0 133.2 247.4

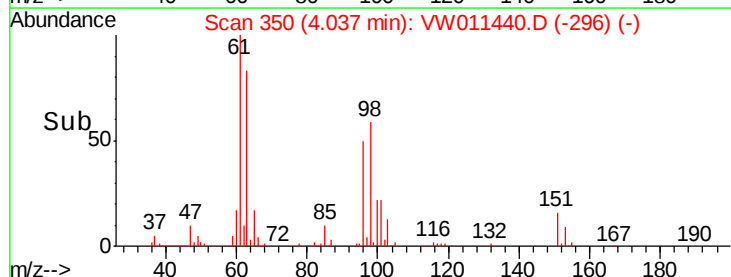
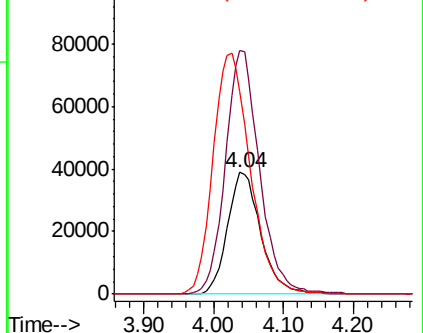
63 166.7 89.9 166.9

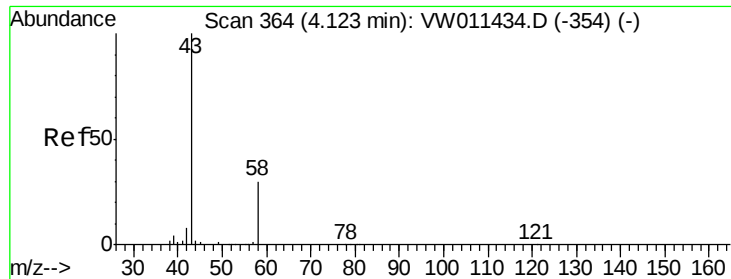


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.317 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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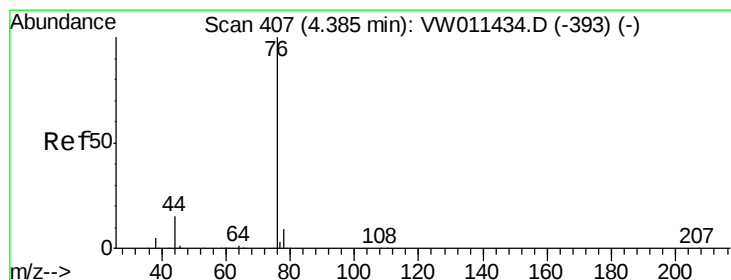
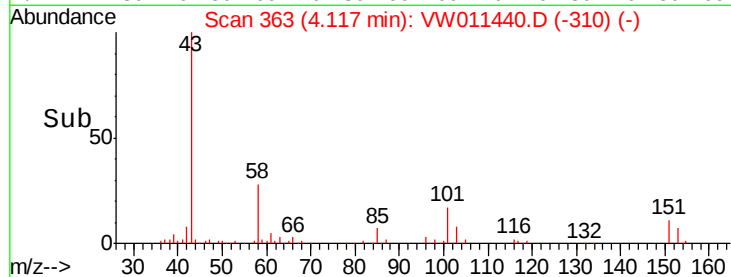
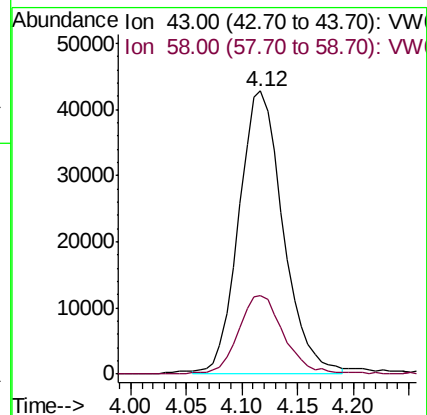
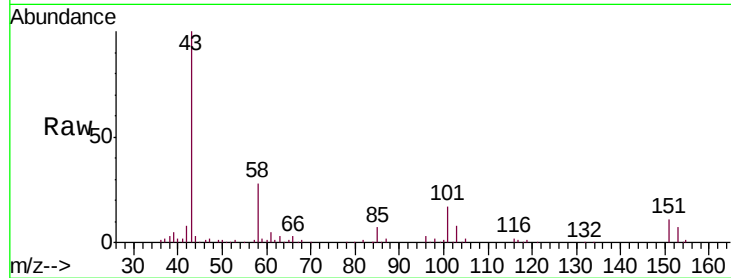
VSTD02518

Tgt Ion: 43 Resp: 117669

Ion Ratio Lower Upper

43 100

58 28.6 0.0 57.2



#14

Carbon disulfide

Concen: 25.535 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011440.D

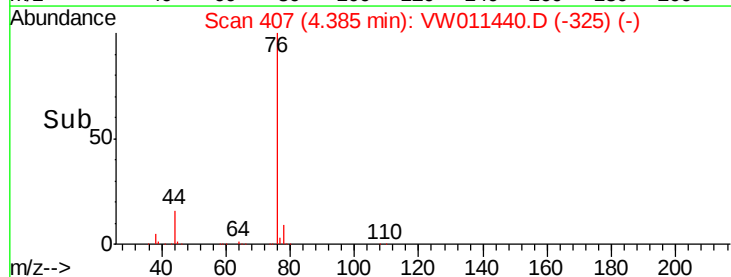
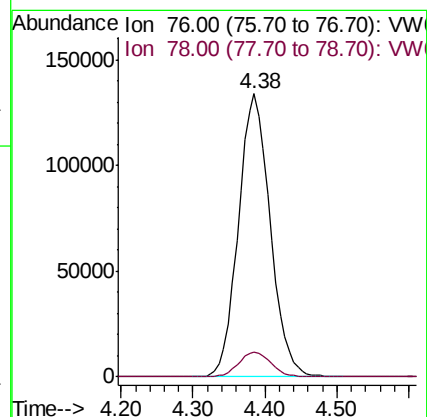
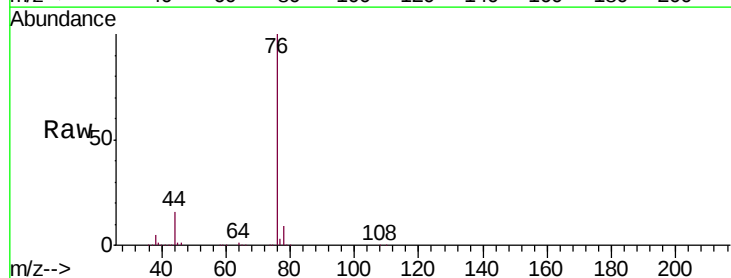
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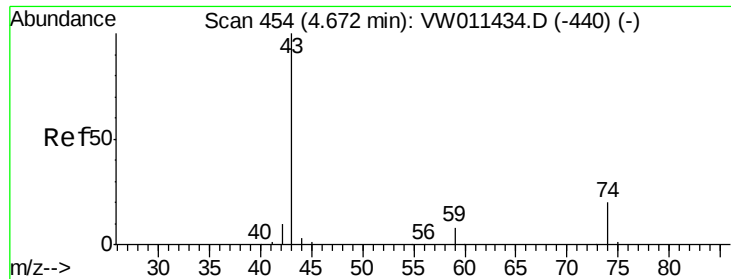
Tgt Ion: 76 Resp: 411239

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9

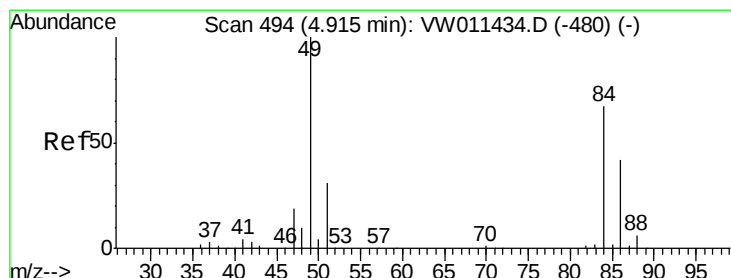
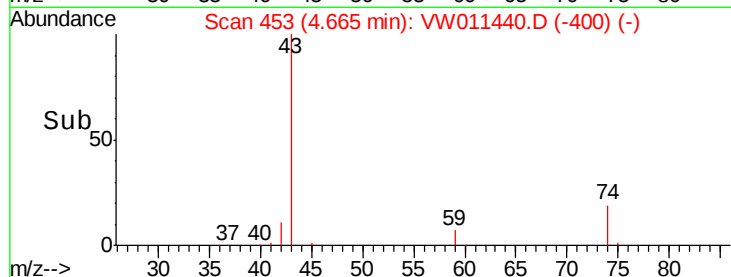
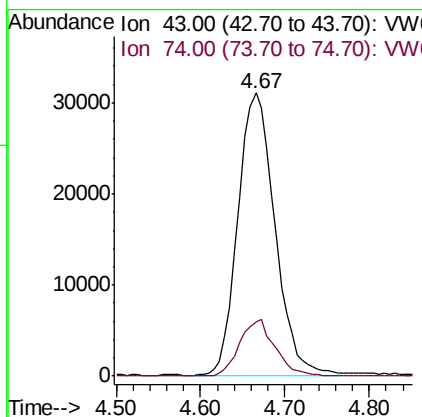
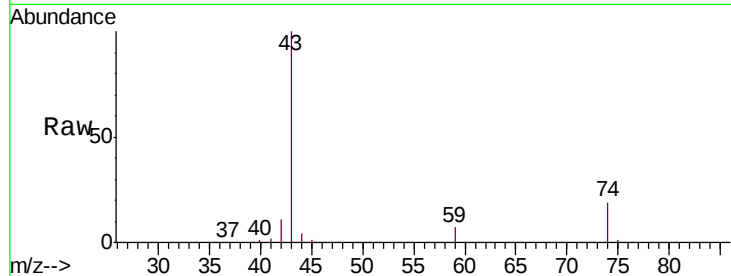




#15
Methyl Acetate
Concen: 26.737 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

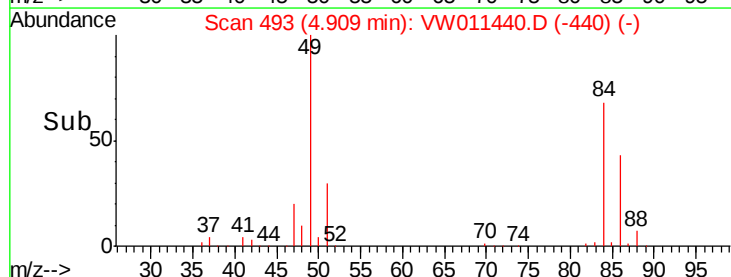
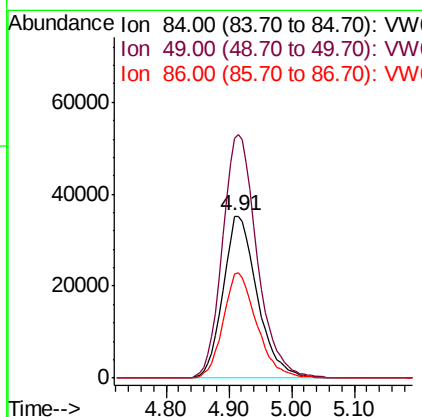
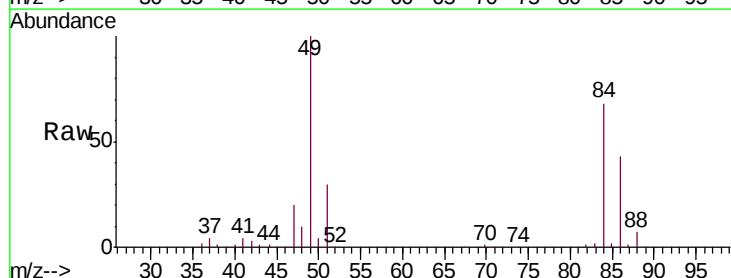
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

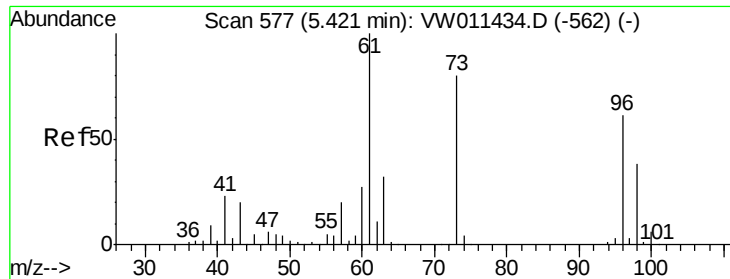
Tgt Ion: 43 Resp: 92338
Ion Ratio Lower Upper
43 100
74 19.2 15.2 22.8



#16
Methylene chloride
Concen: 24.538 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

Tgt Ion: 84 Resp: 133575
Ion Ratio Lower Upper
84 100
49 147.9 104.0 193.2
86 64.2 44.0 81.8

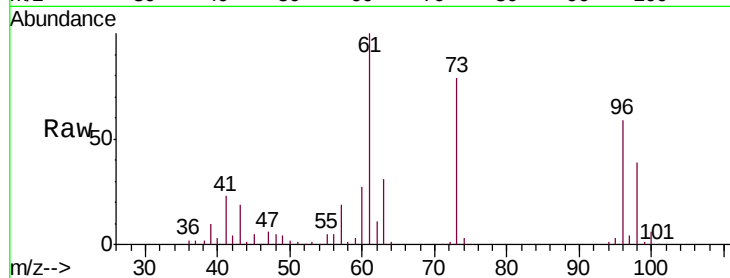




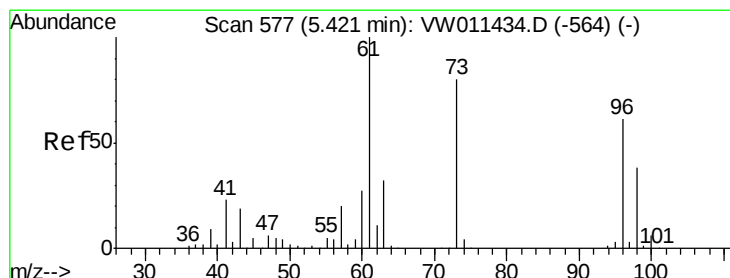
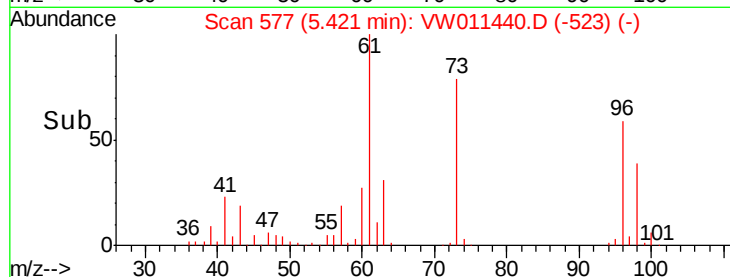
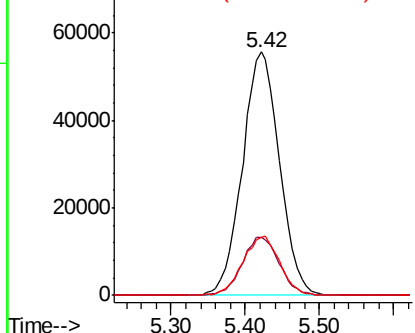
#17
Methyl tert-butyl Ether
Concen: 24.701 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

Tgt Ion: 73 Resp: 193980
Ion Ratio Lower Upper
73 100
43 23.7 19.0 28.4
57 24.2 19.8 29.6

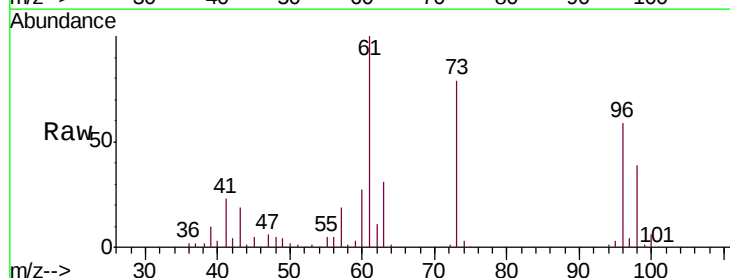


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

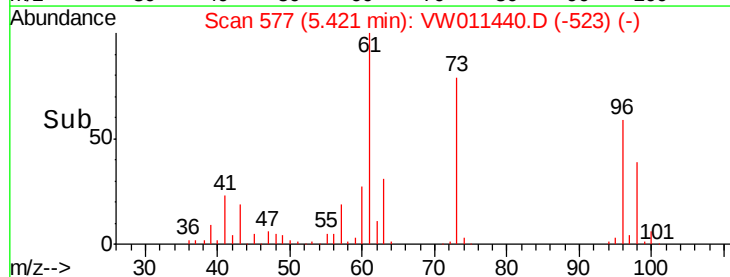
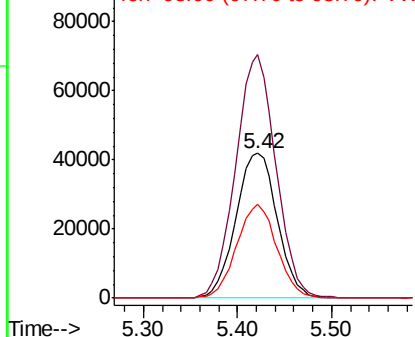


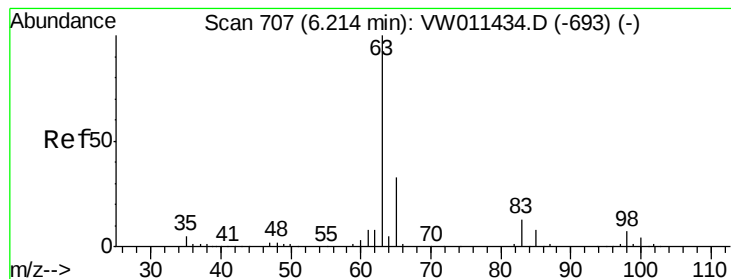
#18
trans-1,2-Dichloroethene
Concen: 25.179 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

Tgt Ion: 96 Resp: 128974
Ion Ratio Lower Upper
96 100
61 168.3 111.7 207.5
98 64.9 43.4 80.6



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





#19

1,1-Dichloroethane

Concen: 25.640 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

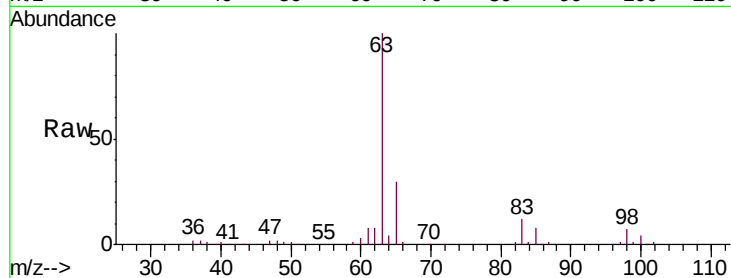
Tgt Ion: 63 Resp: 260874

Ion Ratio Lower Upper

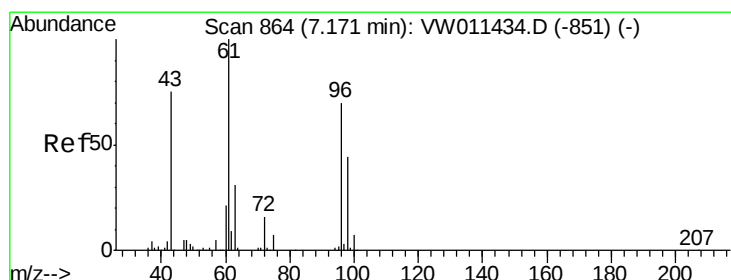
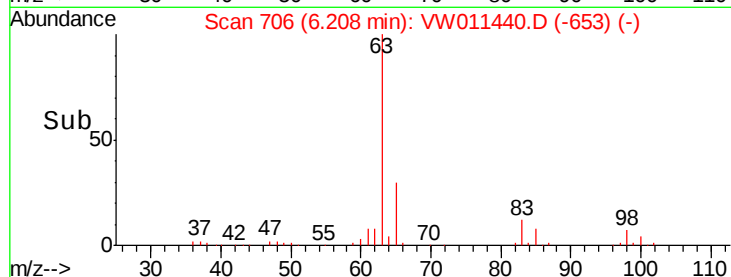
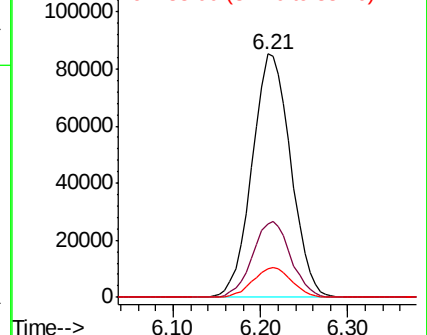
63 100

65 30.4 22.8 42.4

83 11.8 8.6 16.0



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: 52.348 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011440.D

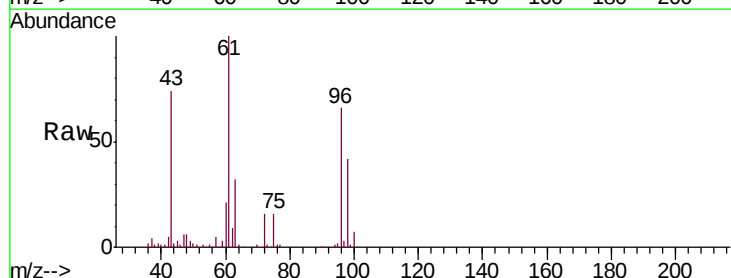
Acq: 23 Jul 2019 14:16

Tgt Ion: 43 Resp: 151309

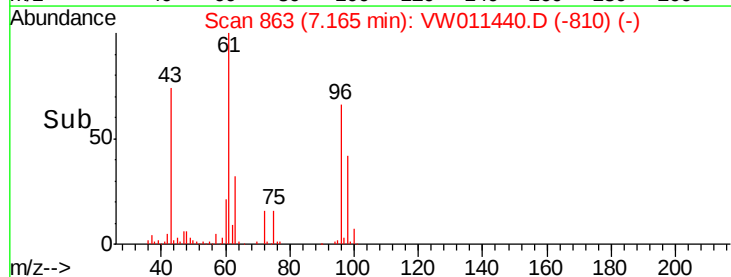
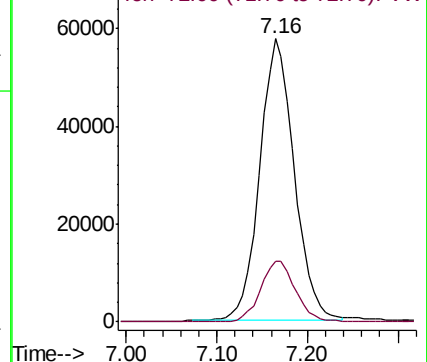
Ion Ratio Lower Upper

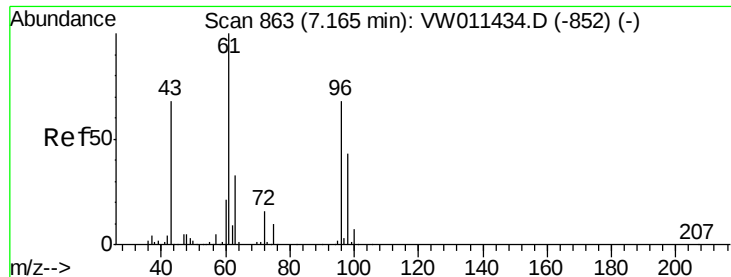
43 100

72 21.9 10.5 31.6



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



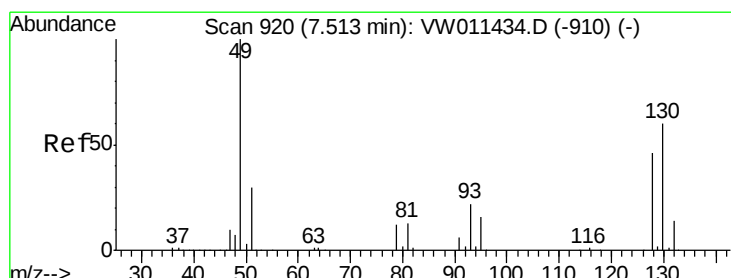
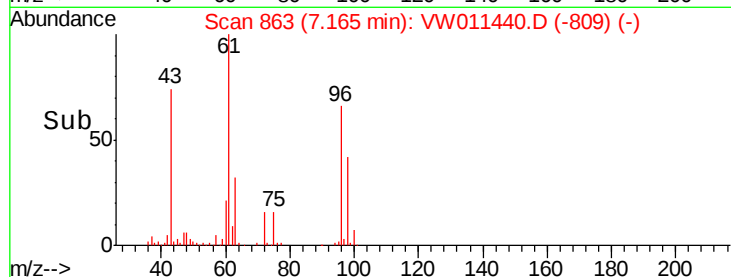
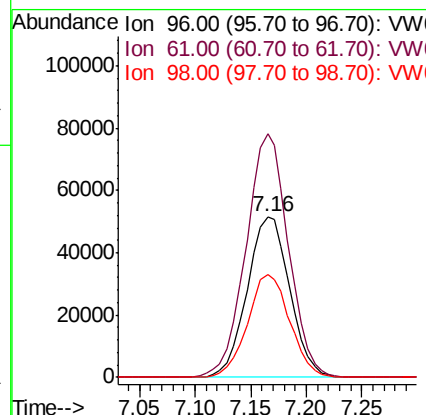
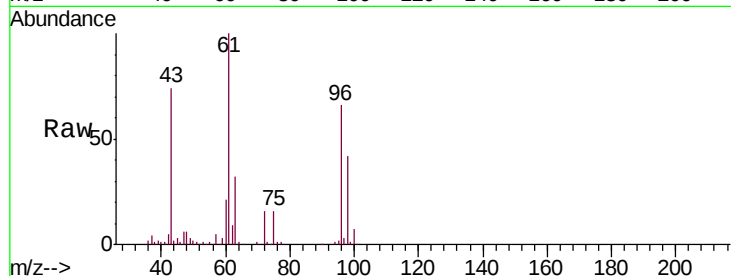


#22

cis-1,2-Dichloroethene
Concen: 25.245 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

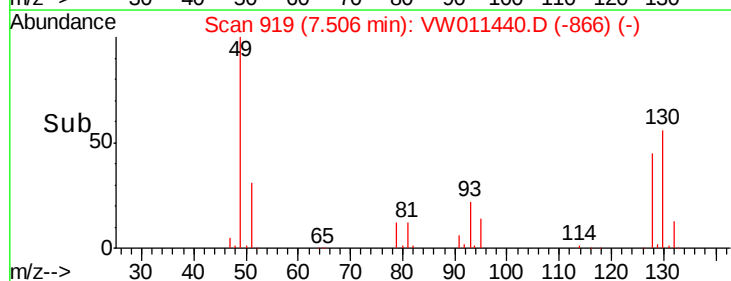
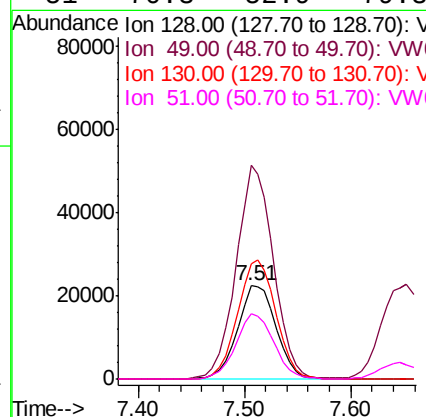
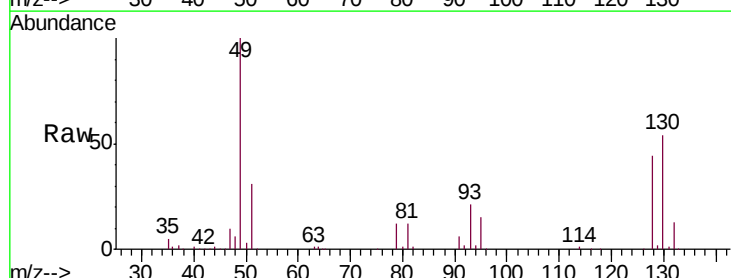
Tgt Ion: 96 Resp: 136985
Ion Ratio Lower Upper
96 100
61 151.7 101.8 189.0
98 64.2 45.4 84.2

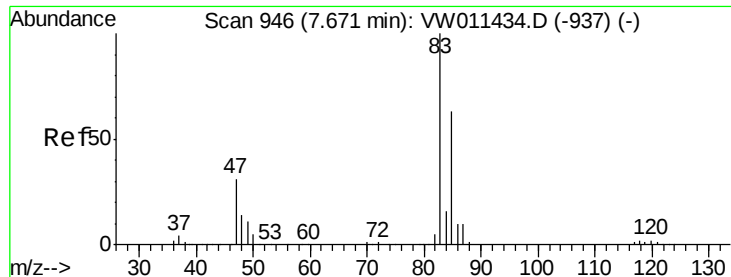


#23

Bromochloromethane
Concen: 25.082 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

Tgt Ion: 128 Resp: 56883
Ion Ratio Lower Upper
128 100
49 228.9 152.0 282.2
130 124.1 89.8 166.8
51 70.3 52.9 79.3

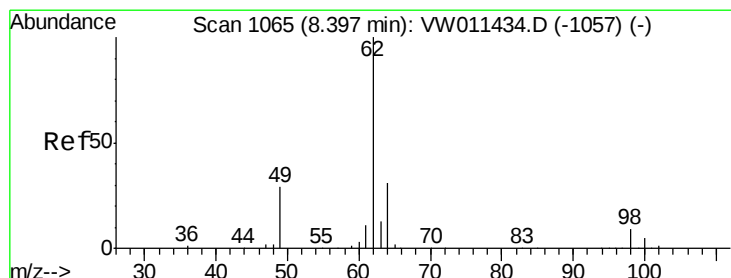
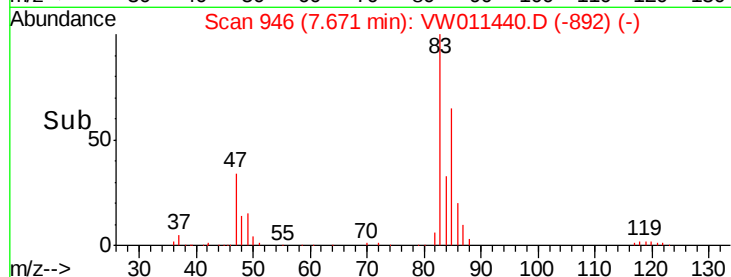
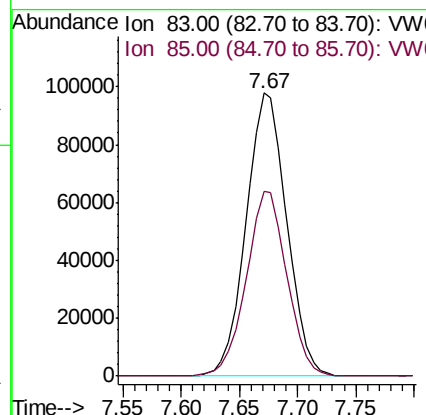
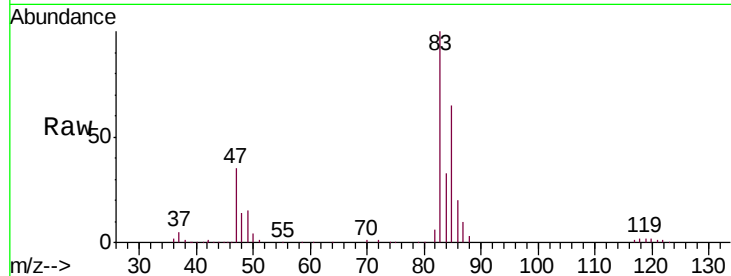




#25
Chloroform
Concen: 25.297 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

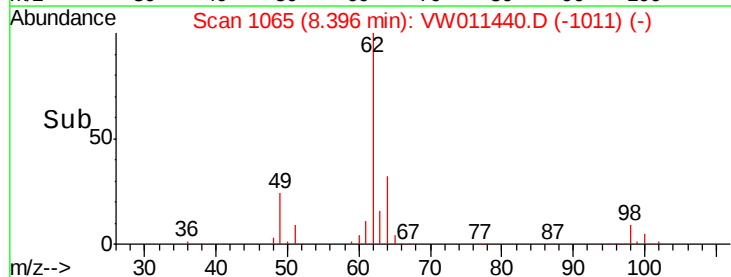
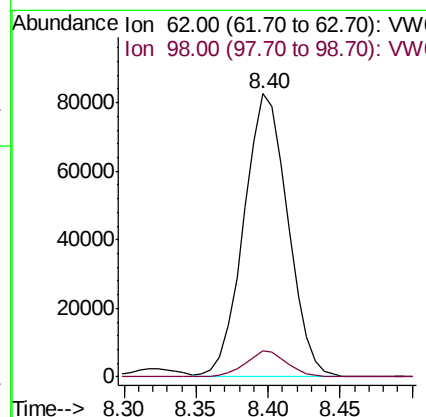
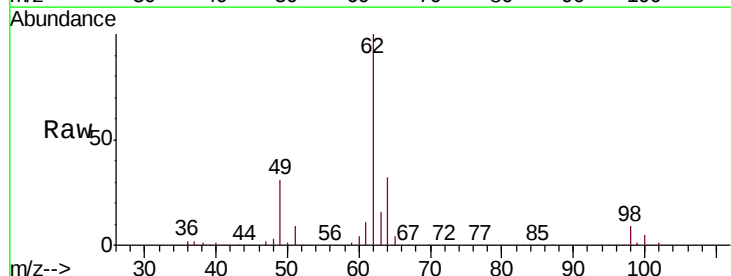
Instrument :
MSVOA_W
ClientSampled :
VSTD02518

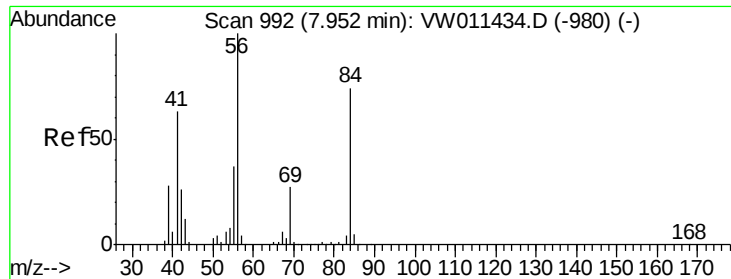
Tgt Ion: 83 Resp: 237099
Ion Ratio Lower Upper
83 100
85 65.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 25.463 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

Tgt Ion: 62 Resp: 173941
Ion Ratio Lower Upper
62 100
98 9.3 7.1 10.7

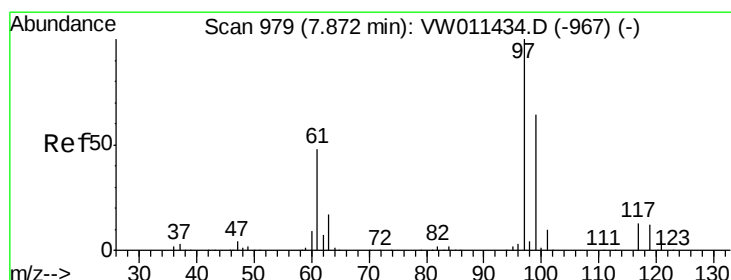
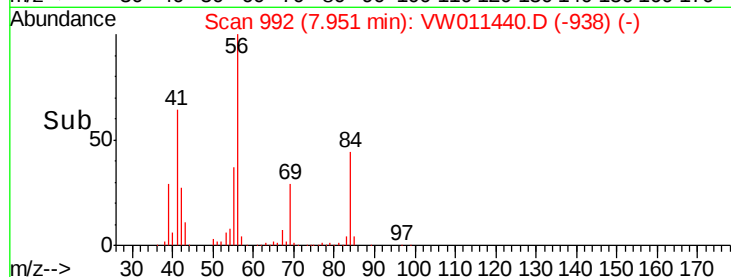
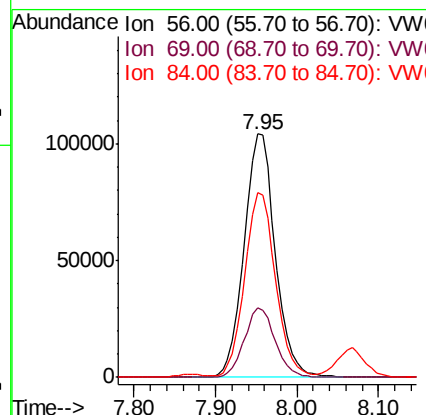
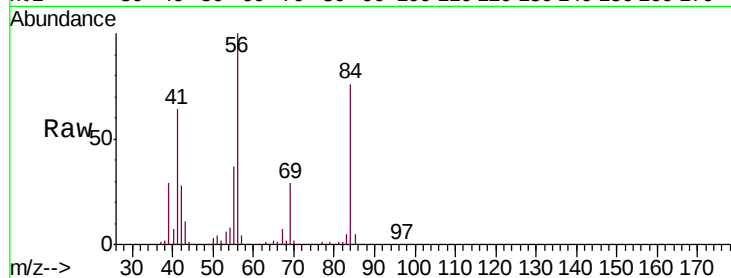




#30
Cyclohexane
Concen: 25.365 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

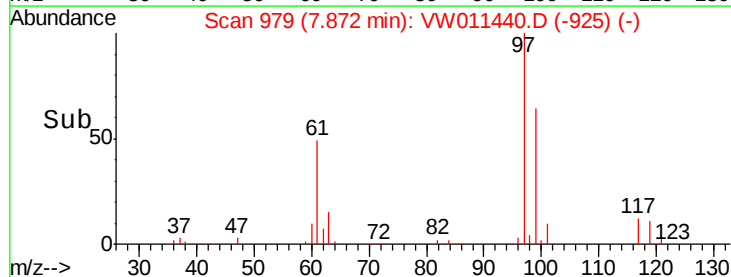
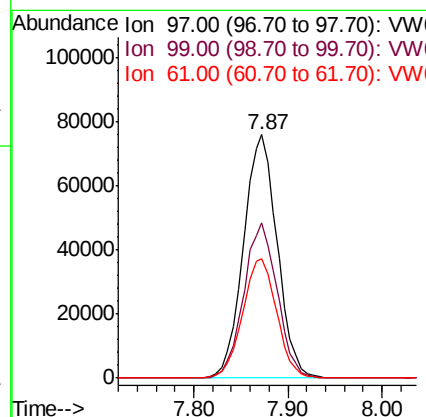
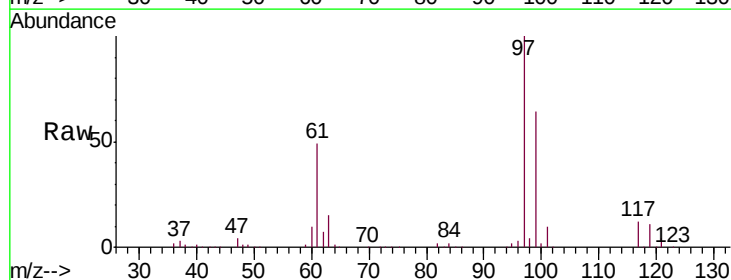
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

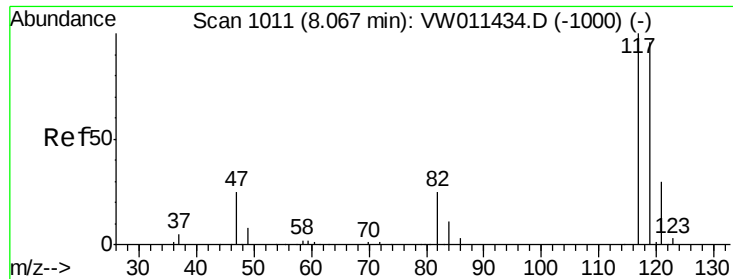
Tgt Ion: 56 Resp: 276645
Ion Ratio Lower Upper
56 100
69 28.1 22.6 34.0
84 75.3 60.4 90.6



#31
1,1,1-Trichloroethane
Concen: 25.230 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

Tgt Ion: 97 Resp: 188055
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.6
61 49.6 39.4 59.2





#32

Carbon tetrachloride

Concen: 25.191 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

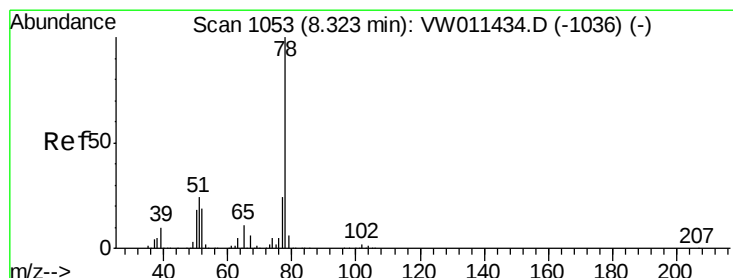
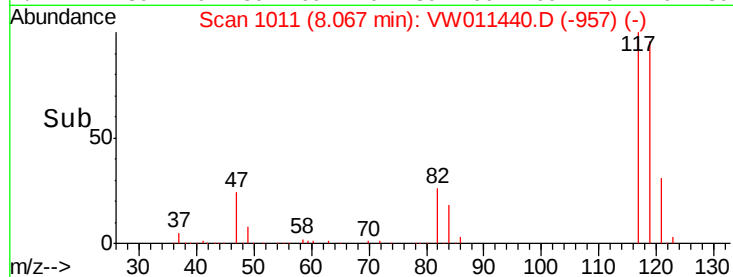
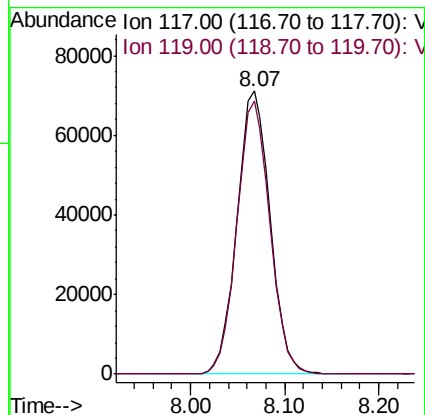
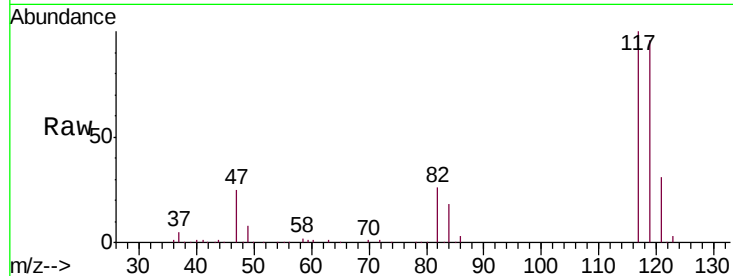
VSTD02518

Tgt Ion:117 Resp: 174488

Ion Ratio Lower Upper

117 100

119 96.2 76.6 114.8



#34

Benzene

Concen: 25.055 ug/L

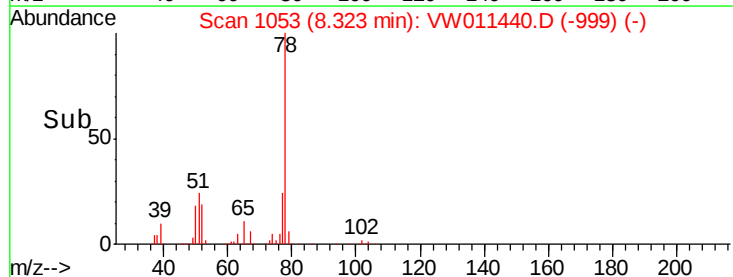
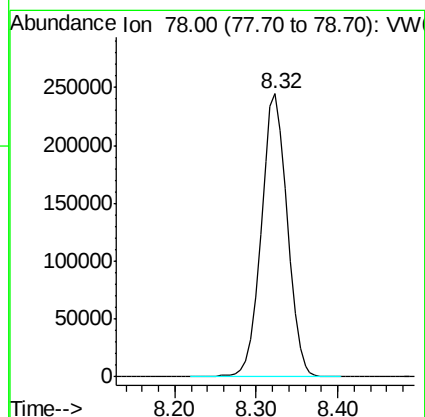
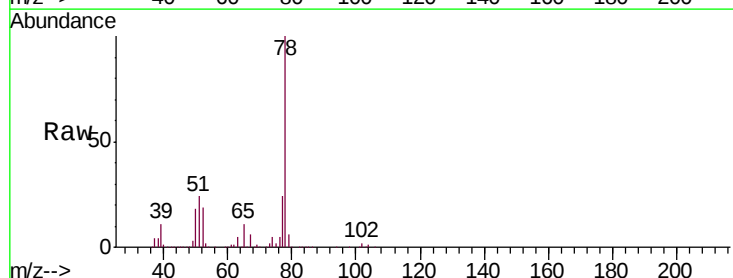
RT: 8.32 min Scan# 1053

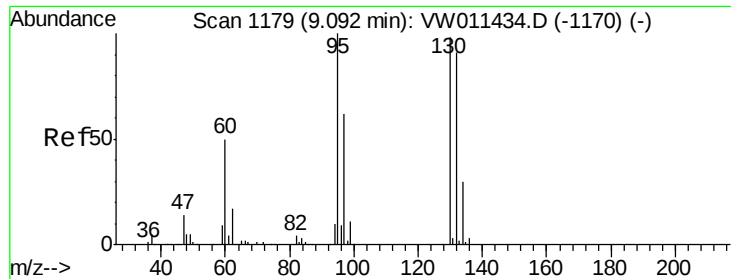
Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

Tgt Ion: 78 Resp: 544585

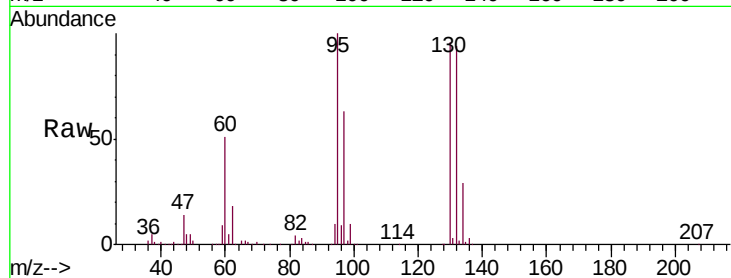




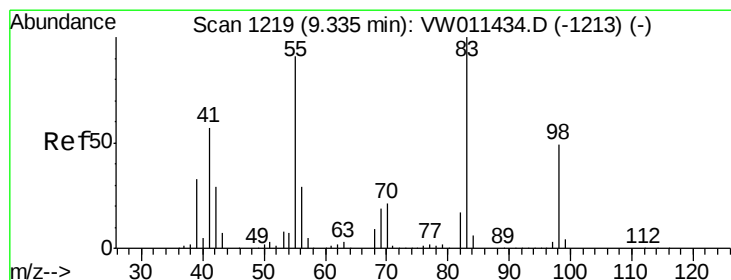
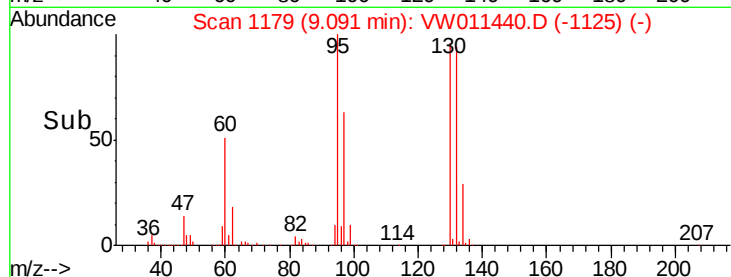
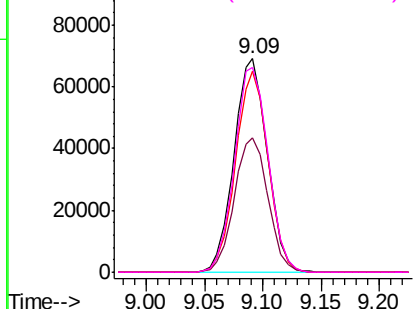
#35
 Trichloroethene
 Concen: 24.925 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW011440.D
 Acq: 23 Jul 2019 14:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Tgt Ion: 95 Resp: 137696
 Ion Ratio Lower Upper
 95 100
 97 63.6 44.6 82.8
 132 92.2 66.0 122.6
 130 96.8 68.4 127.0

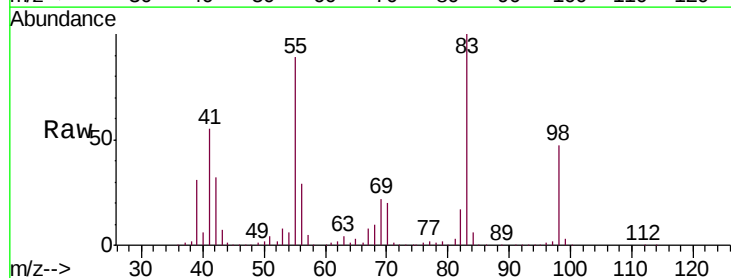


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

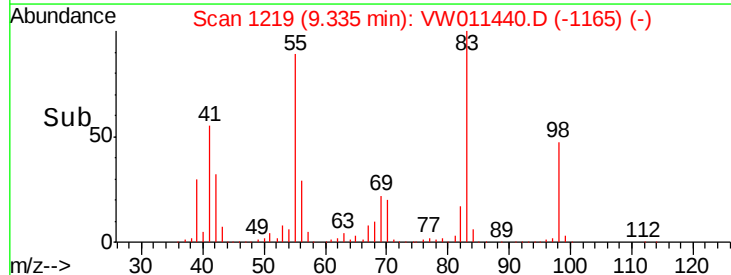
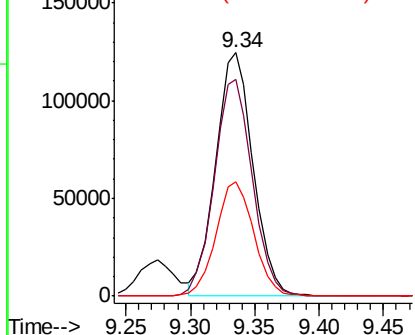


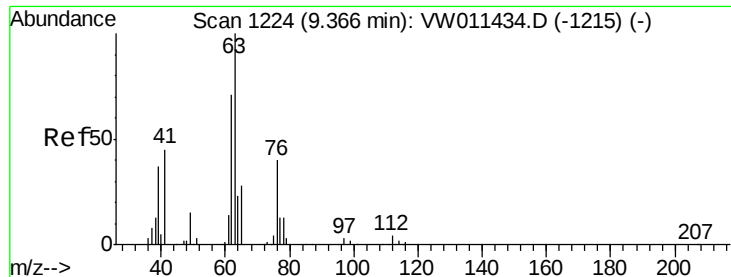
#36
 Methylcyclohexane
 Concen: 25.204 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW011440.D
 Acq: 23 Jul 2019 14:16

Tgt Ion: 83 Resp: 253186
 Ion Ratio Lower Upper
 83 100
 55 90.9 71.5 107.3
 98 47.8 37.4 56.2



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

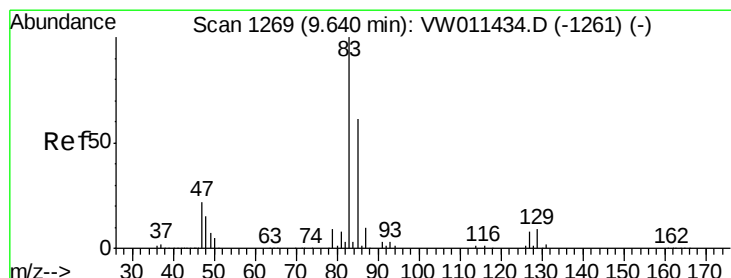
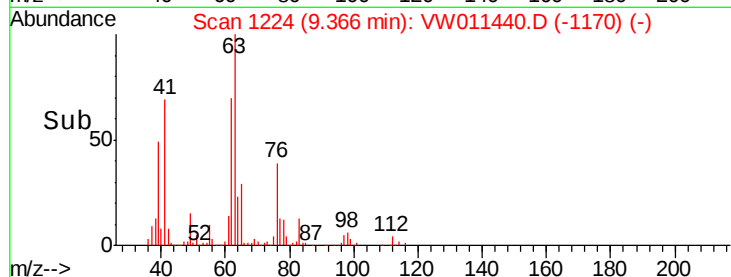
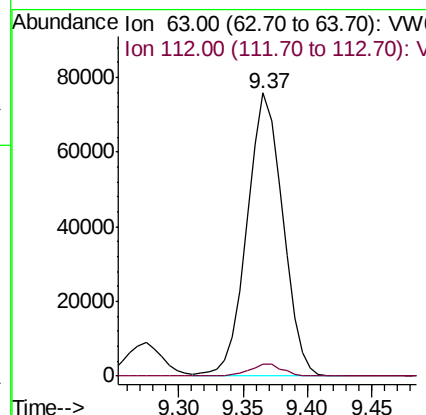
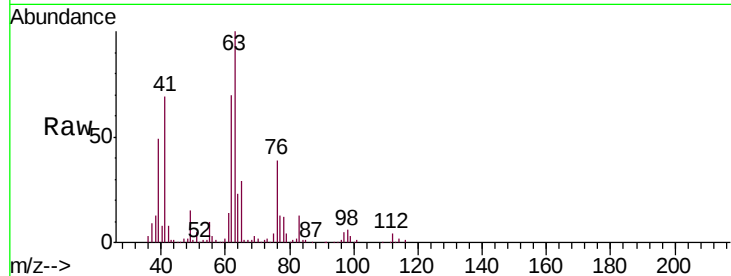




#40
 1,2-Dichloropropane
 Concen: 25.018 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011440.D
 Acq: 23 Jul 2019 14:16

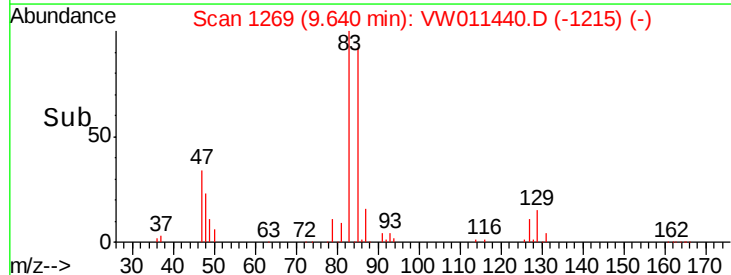
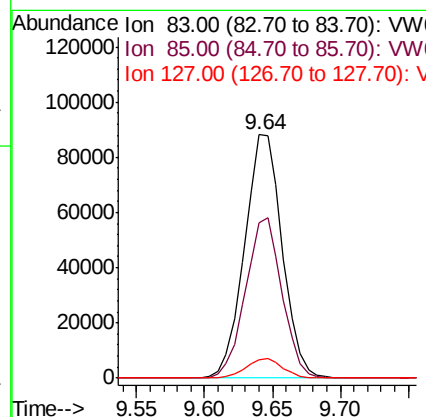
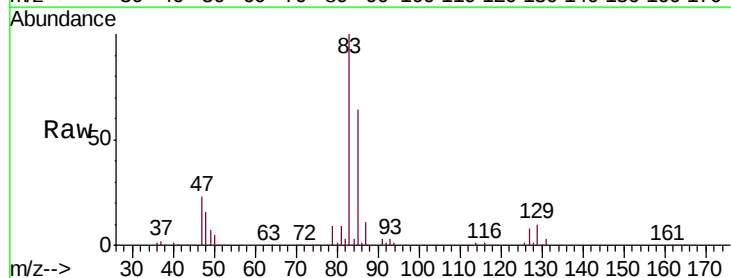
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

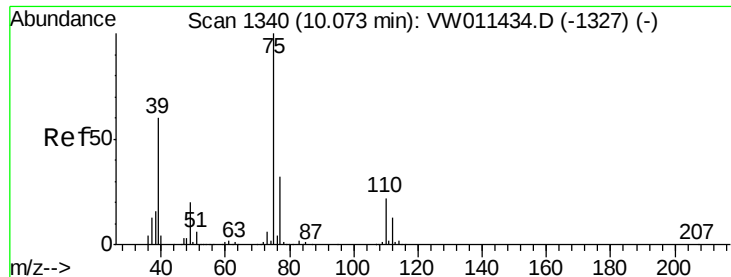
Tgt Ion: 63 Resp: 146092
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#41
 Bromodichloromethane
 Concen: 25.023 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW011440.D
 Acq: 23 Jul 2019 14:16

Tgt Ion: 83 Resp: 170850
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.3 82.3
 127 7.6 6.6 9.8





#42

cis-1,3-Dichloropropene

Concen: 25.040 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

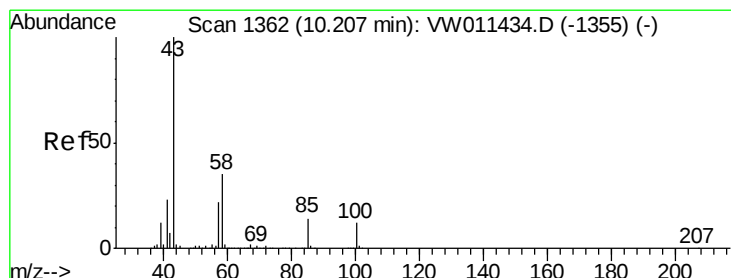
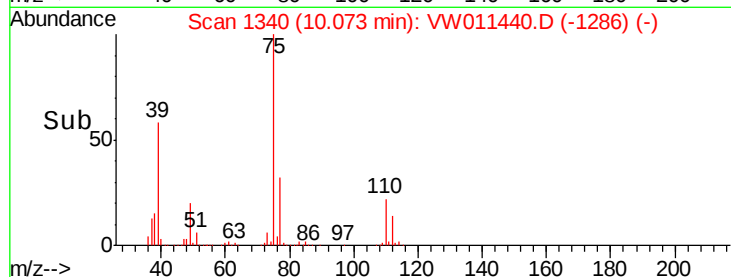
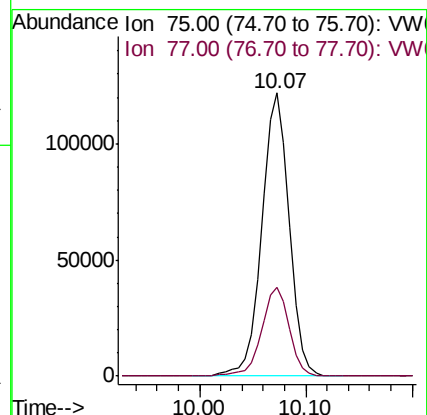
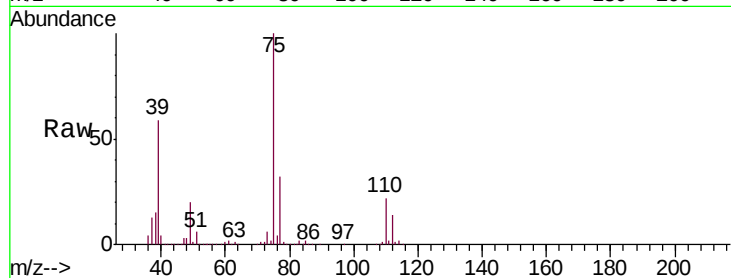
VSTD02518

Tgt Ion: 75 Resp: 219682

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 52.522 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

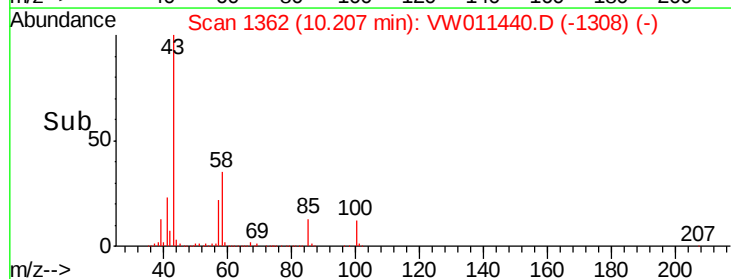
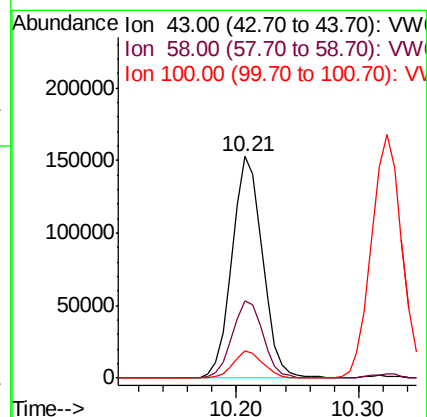
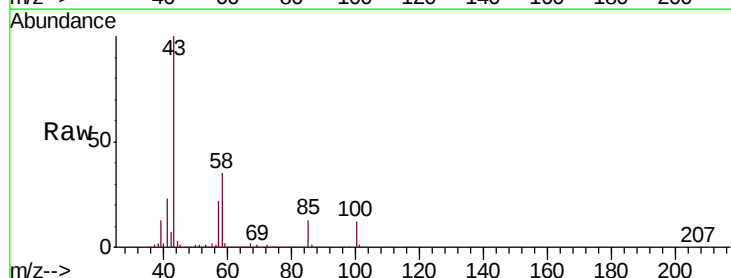
Tgt Ion: 43 Resp: 262570

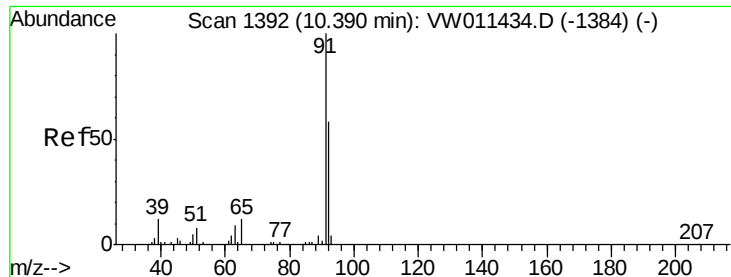
Ion Ratio Lower Upper

43 100

58 35.4 28.0 42.0

100 11.9 9.8 14.8





#44

Toluene

Concen: 25.215 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

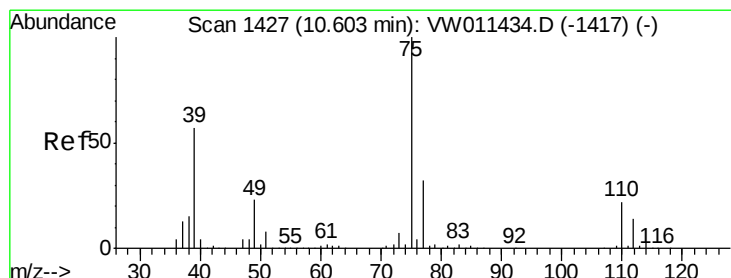
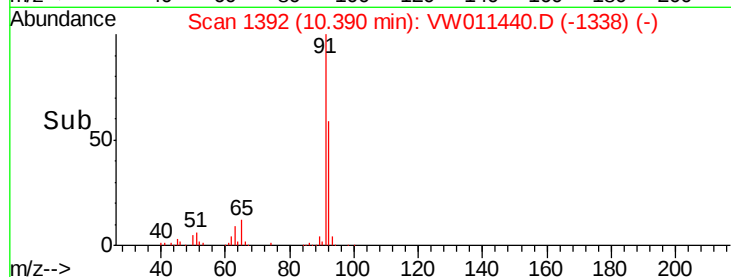
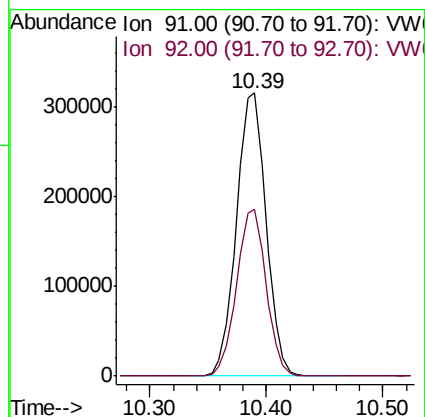
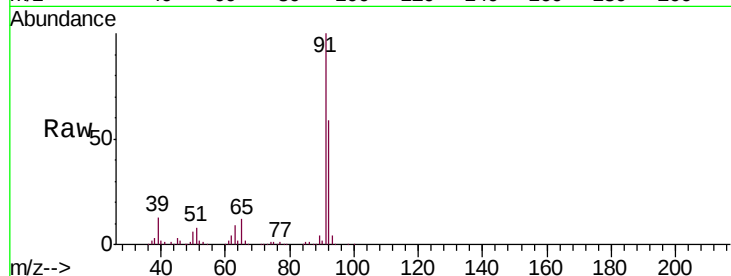
VSTD02518

Tgt Ion: 91 Resp: 562147

Ion Ratio Lower Upper

91 100

92 58.8 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 25.301 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011440.D

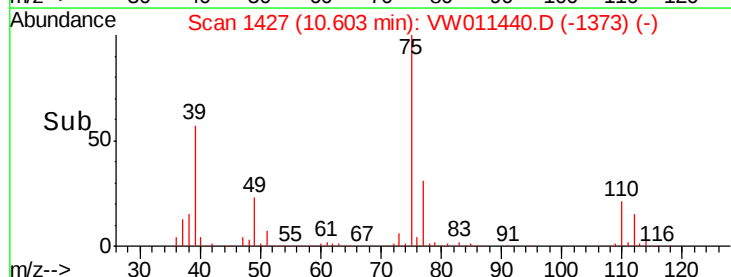
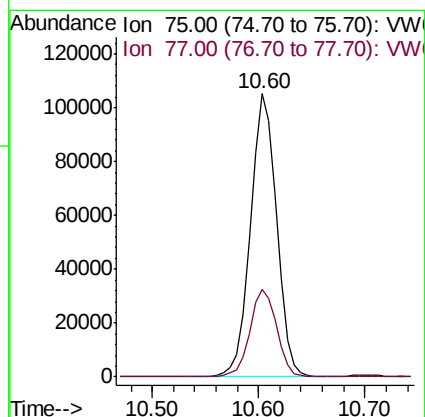
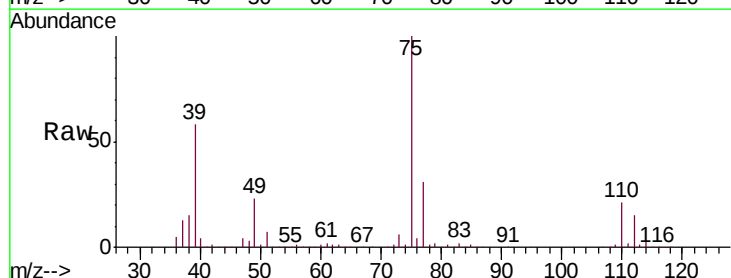
Acq: 23 Jul 2019 14:16

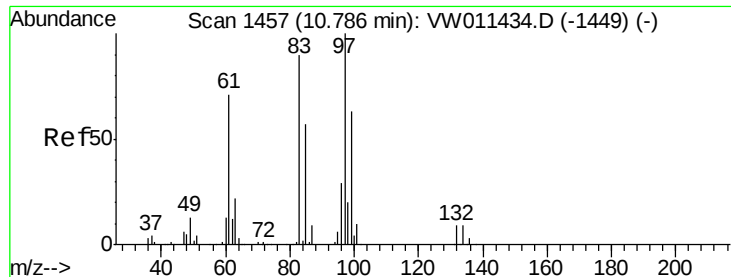
Tgt Ion: 75 Resp: 182422

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 25.142 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

Tgt Ion: 97 Resp: 98277

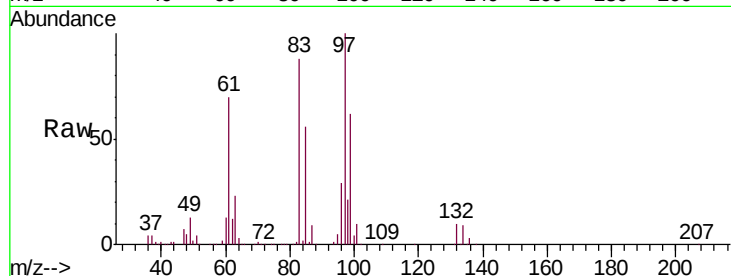
Ion Ratio Lower Upper

97 100

83 87.9 63.8 118.6

85 56.4 40.0 74.4

99 62.1 43.1 80.1



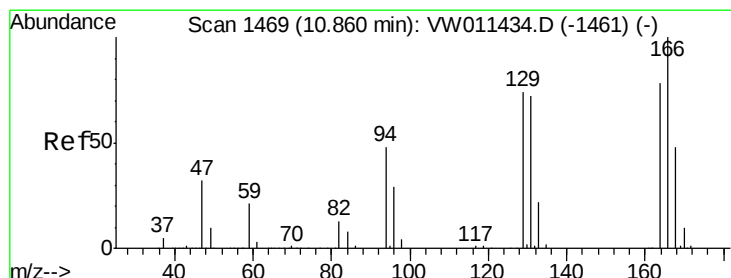
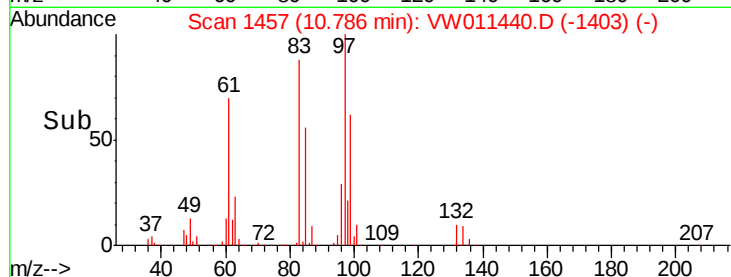
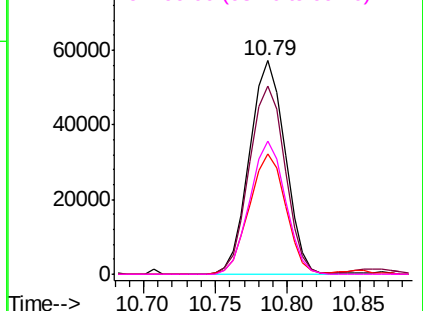
Abundance

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: 25.039 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

Tgt Ion: 164 Resp: 106121

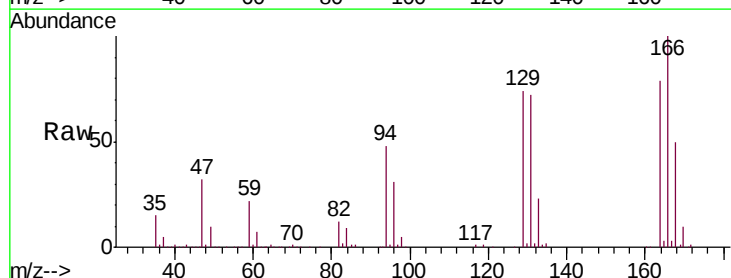
Ion Ratio Lower Upper

164 100

129 93.2 69.0 128.1

131 90.3 64.5 119.7

166 125.8 89.2 165.6



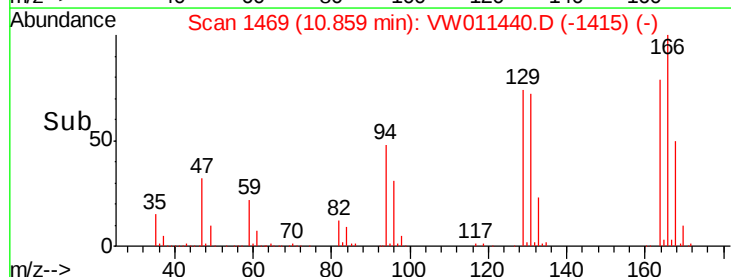
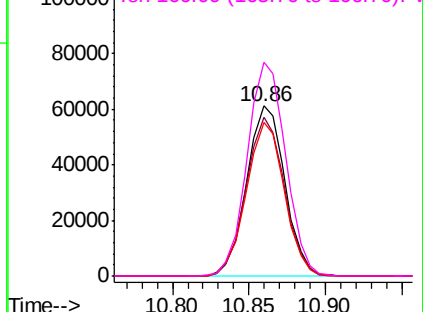
Abundance

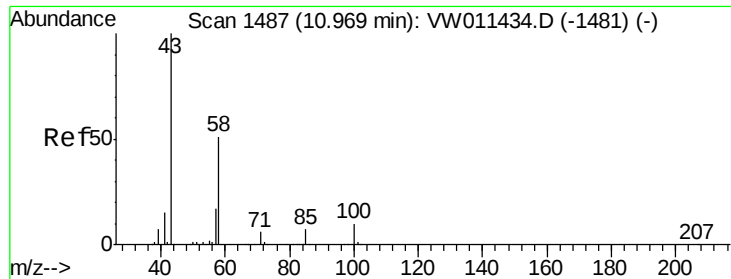
Ion 164.00 (163.70 to 164.70): V

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

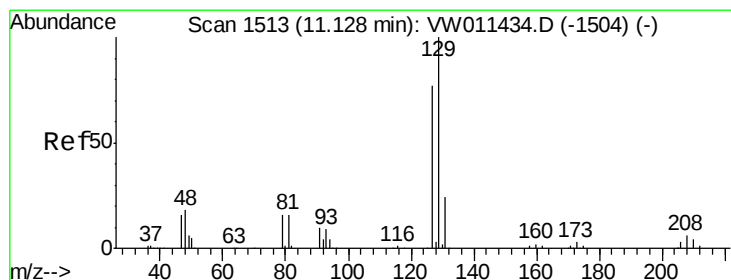
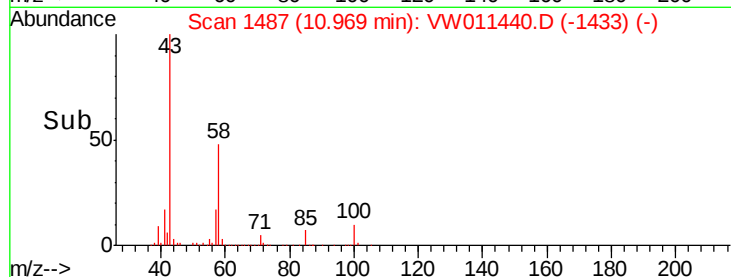
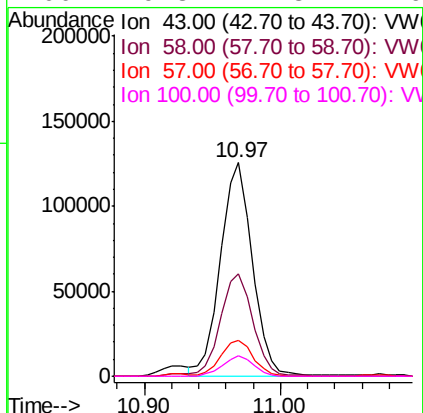
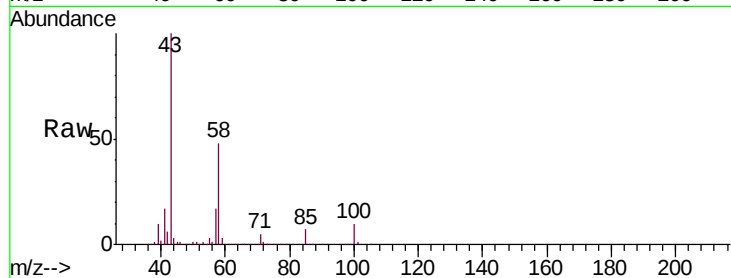




#49
2-Hexanone
Concen: 54.344 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

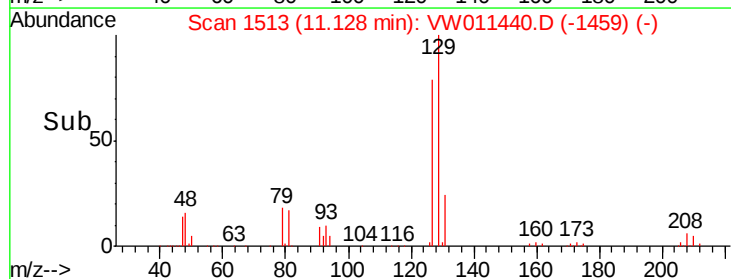
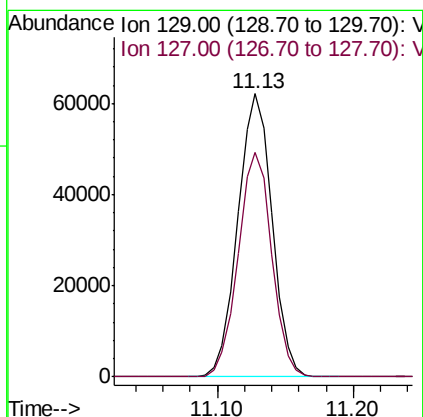
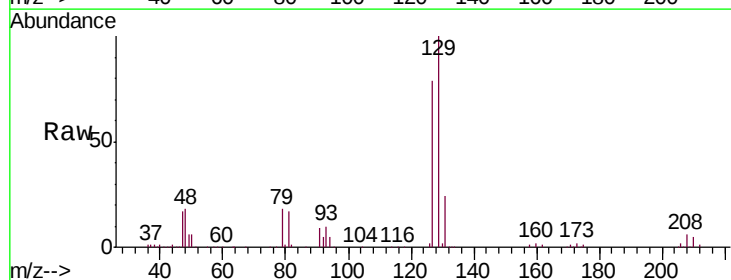
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

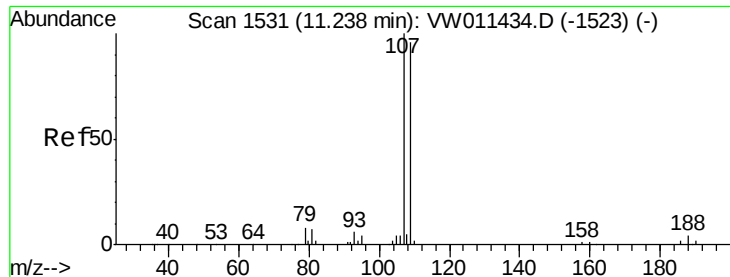
Tgt Ion:	43	Resp:	205073
Ion	Ratio	Lower	Upper
43	100		
58	48.9	40.1	60.1
57	17.2	13.8	20.6
100	9.3	7.8	11.6



#50
Dibromochloromethane
Concen: 25.210 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

Tgt Ion:	129	Resp:	109081
Ion	Ratio	Lower	Upper
129	100		
127	79.4	53.9	100.1

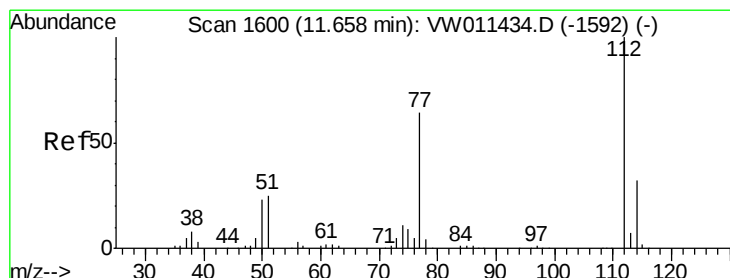
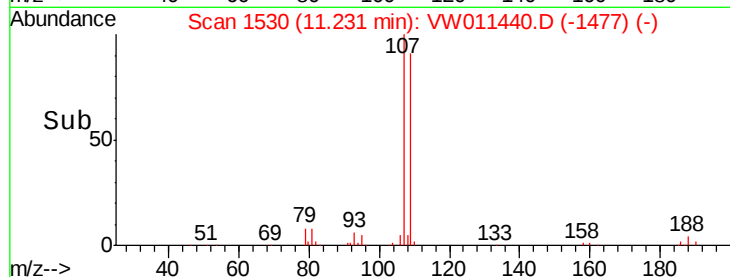
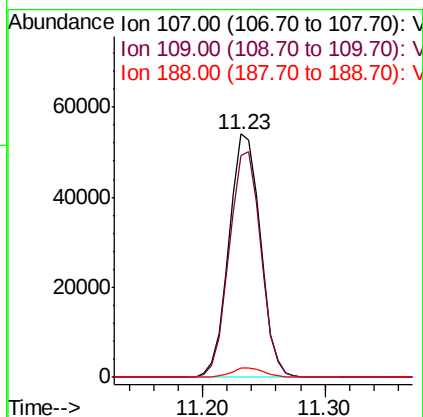
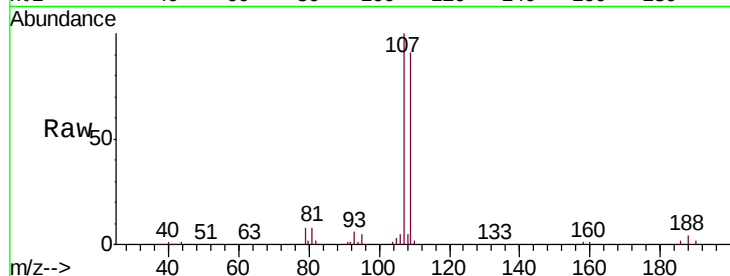




#51
1,2-Dibromoethane
Concen: 25.413 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

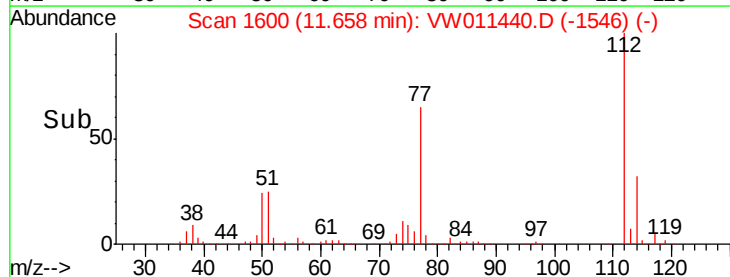
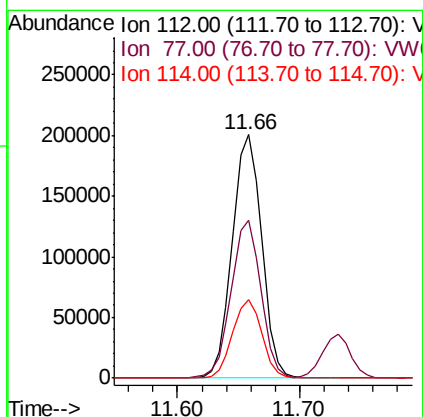
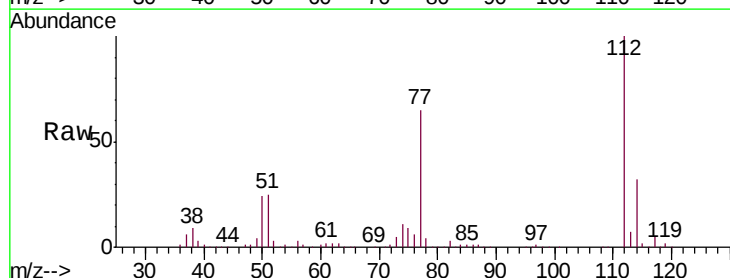
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

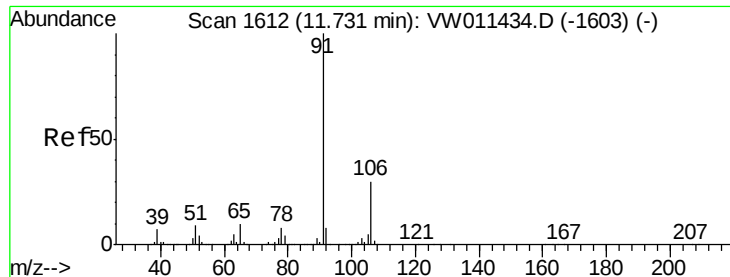
Tgt Ion:107 Resp: 96067
Ion Ratio Lower Upper
107 100
109 91.2 66.8 124.2
188 3.9 3.0 4.6



#52
Chlorobenzene
Concen: 24.789 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

Tgt Ion:112 Resp: 333281
Ion Ratio Lower Upper
112 100
77 64.7 52.2 78.2
114 32.2 22.0 41.0





#53

Ethylbenzene

Concen: 25.230 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

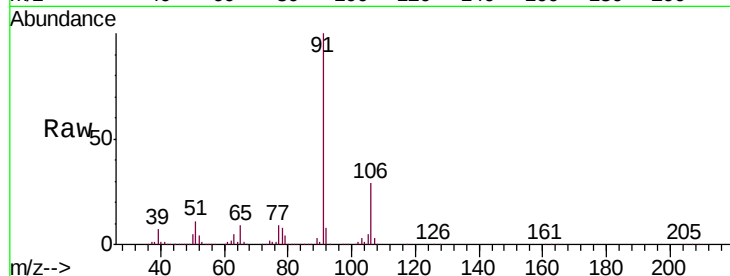
VSTD02518

Tgt Ion: 91 Resp: 633039

Ion Ratio Lower Upper

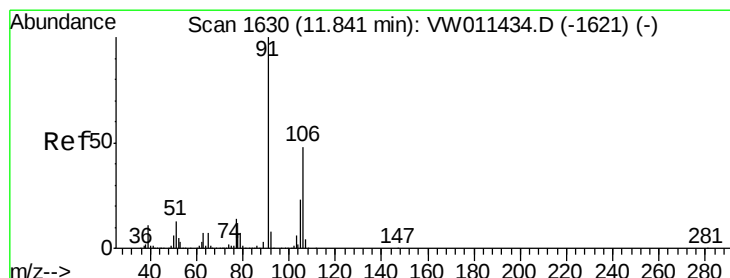
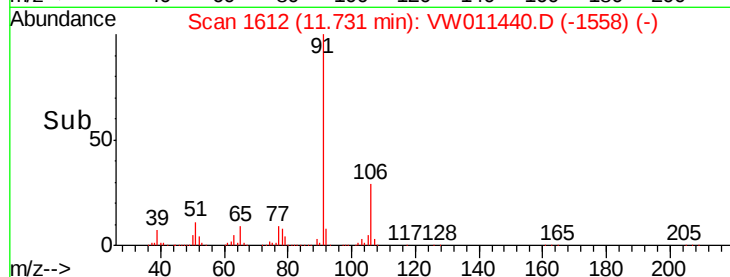
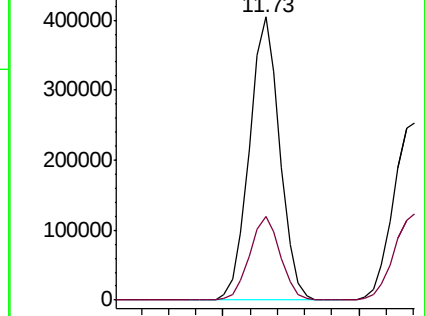
91 100

106 29.4 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 24.930 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW011440.D

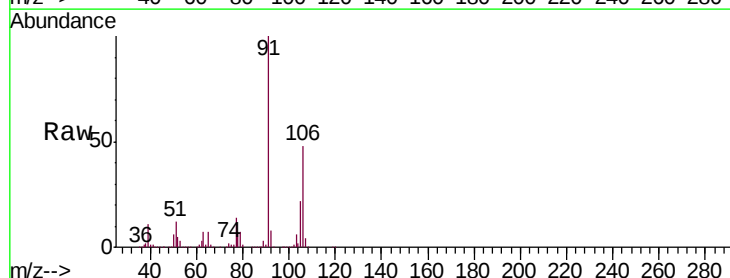
Acq: 23 Jul 2019 14:16

Tgt Ion: 106 Resp: 229089

Ion Ratio Lower Upper

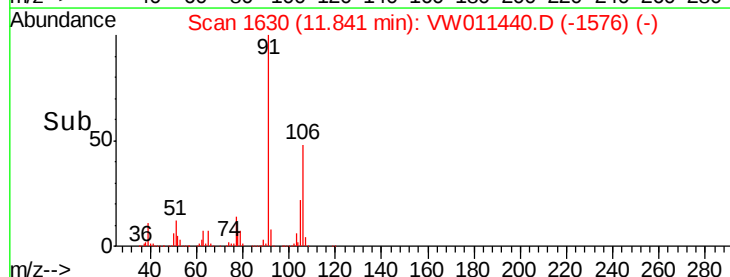
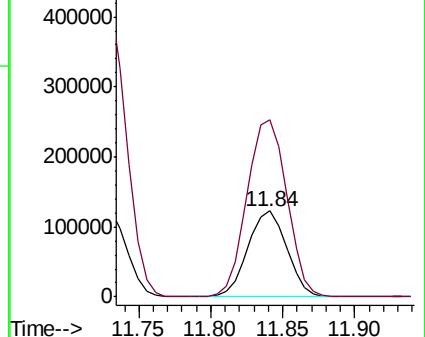
106 100

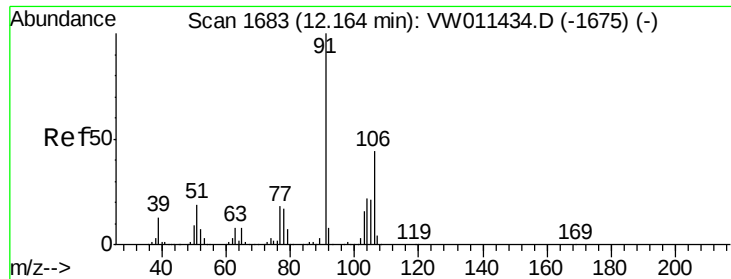
91 206.7 143.7 266.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

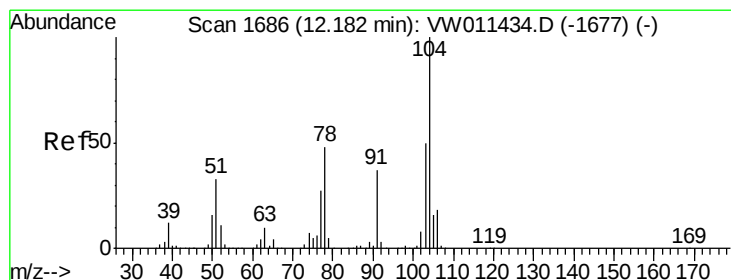
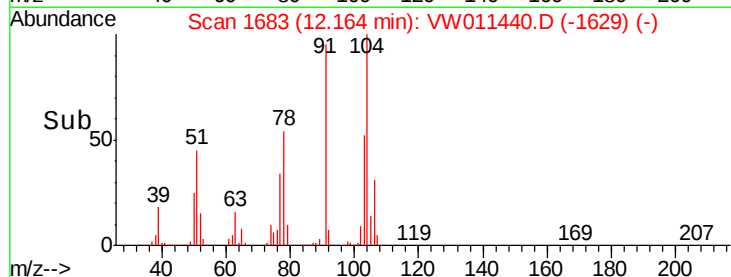
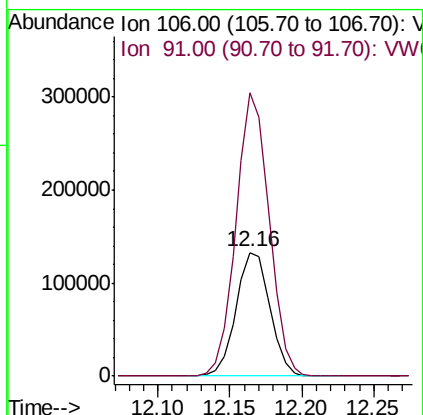
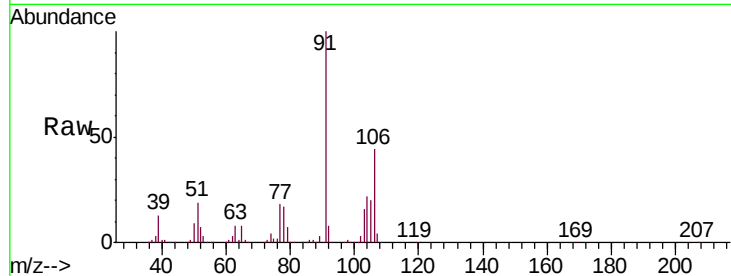




#55
o-xylene
Concen: 25.019 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

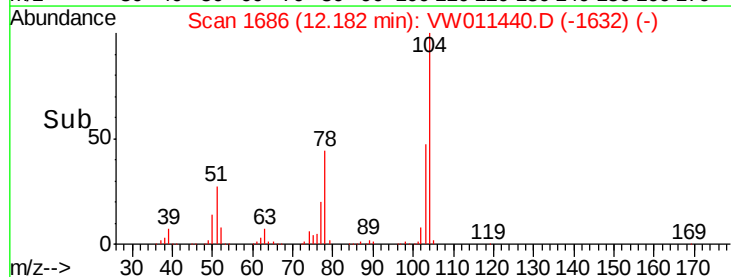
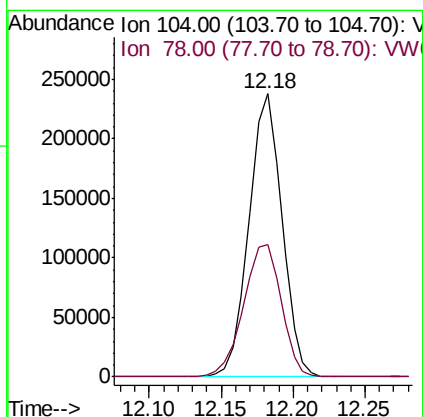
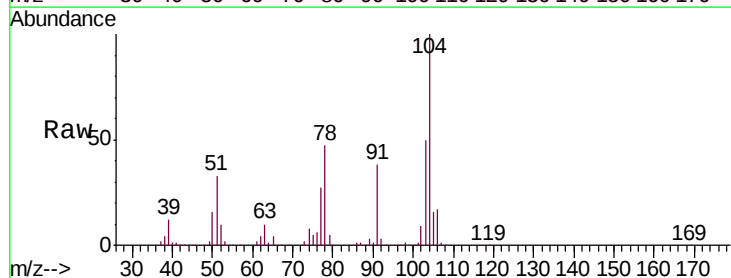
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

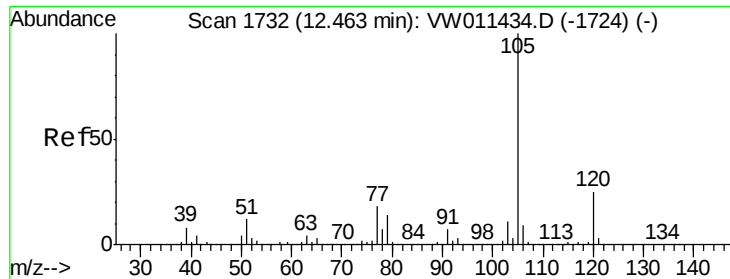
Tgt Ion:106 Resp: 216689
Ion Ratio Lower Upper
106 100
91 228.2 155.5 288.9



#56
Styrene
Concen: 25.875 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011440.D
Acq: 23 Jul 2019 14:16

Tgt Ion:104 Resp: 377000
Ion Ratio Lower Upper
104 100
78 46.9 33.5 62.1





#57

Isopropylbenzene

Concen: 25.664 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

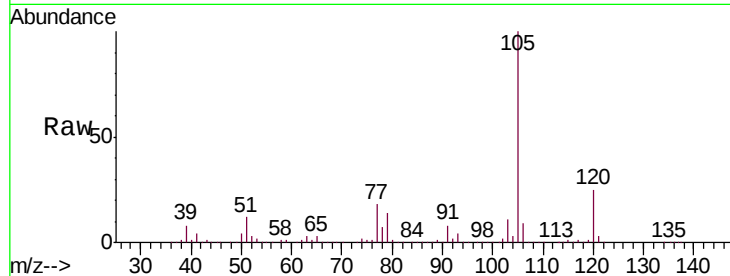
Tgt Ion: 105 Resp: 605449

Ion Ratio Lower Upper

105 100

120 25.7 20.5 30.7

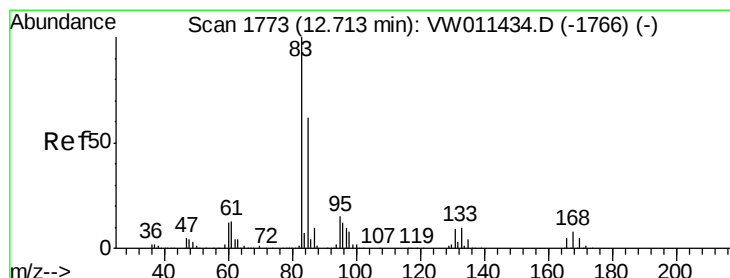
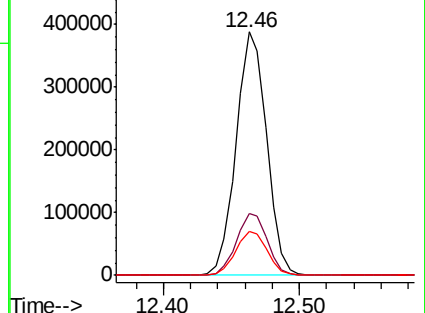
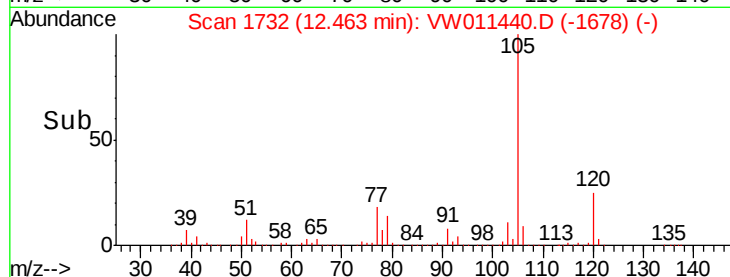
77 18.5 13.3 19.9



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: 25.788 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

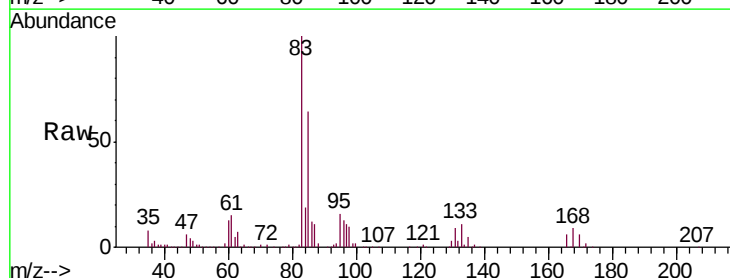
Tgt Ion: 83 Resp: 130942

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9

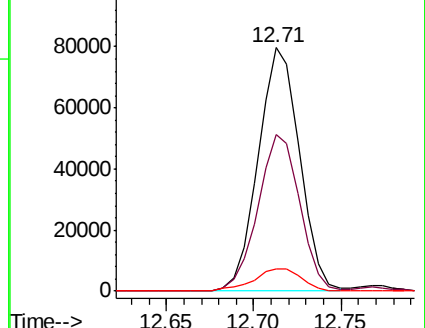
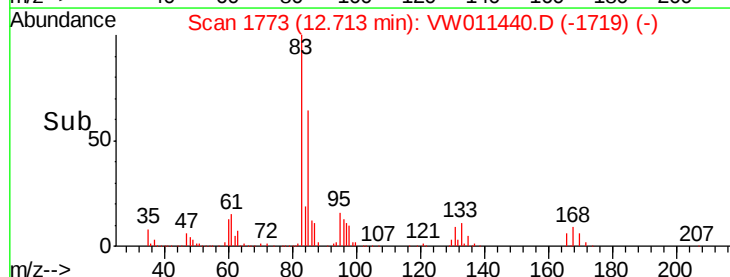
131 9.1 7.0 10.6

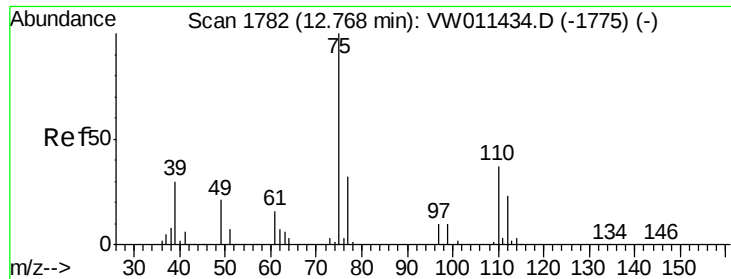


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.008 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

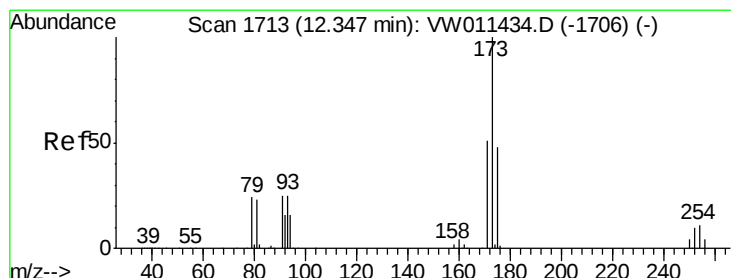
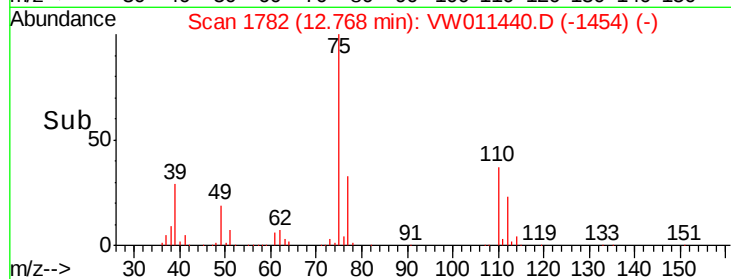
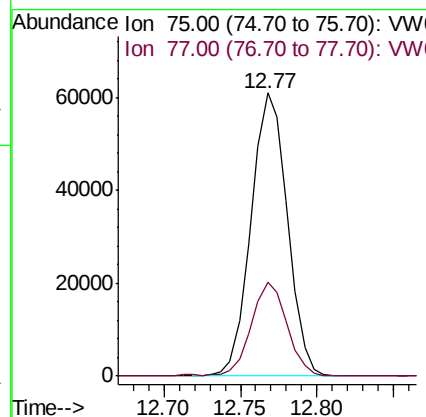
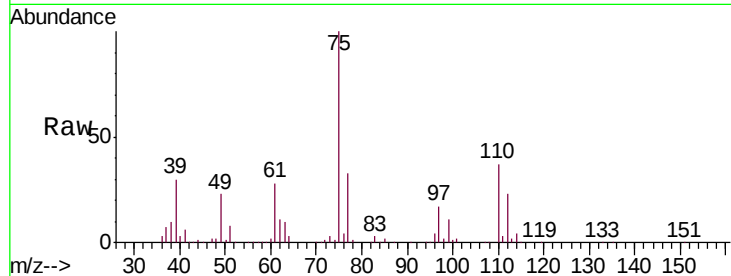
VSTD02518

Tgt Ion: 75 Resp: 100898

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8



#62

Bromoform

Concen: 25.075 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

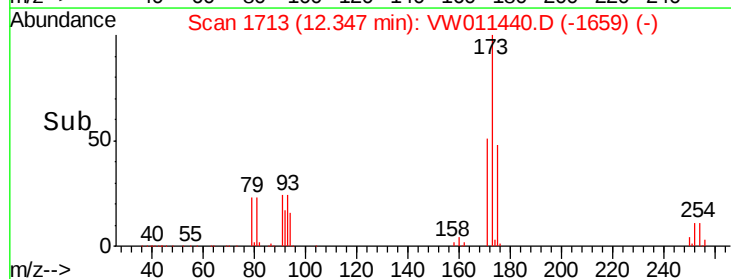
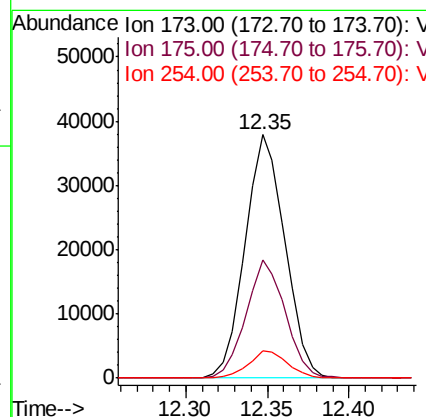
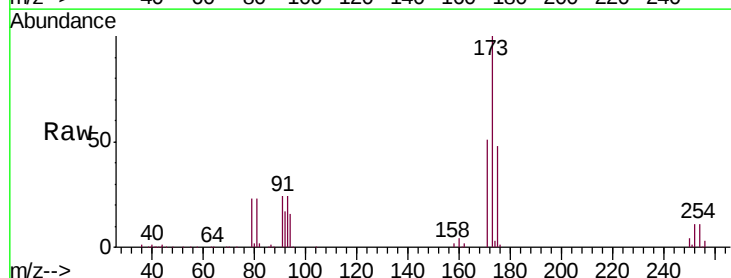
Tgt Ion: 173 Resp: 64222

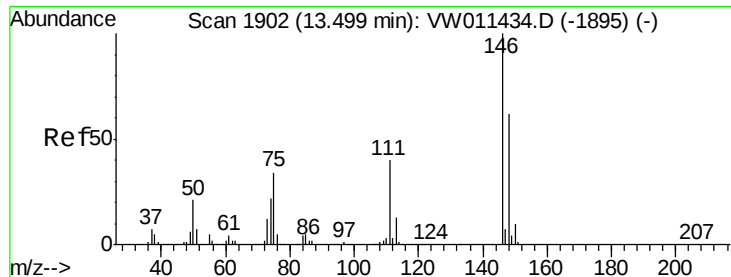
Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.4

254 10.9 8.5 12.7

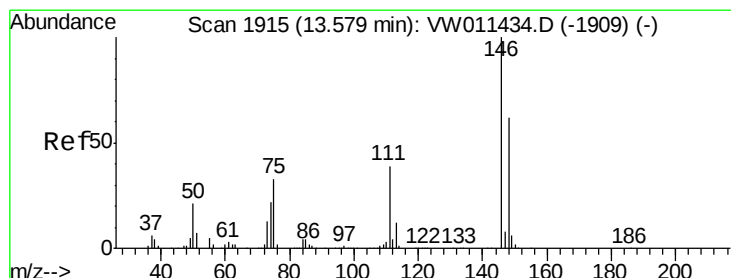
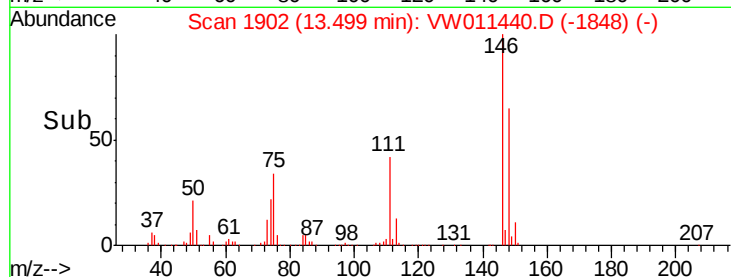
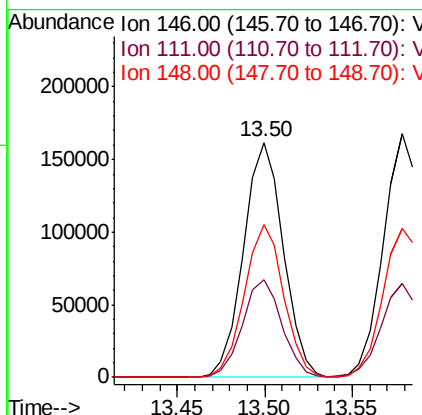
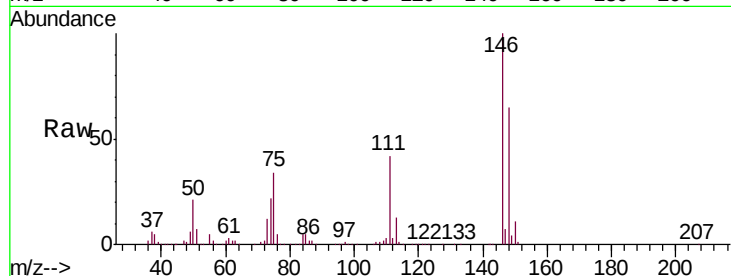




#63
 1,3-Dichlorobenzene
 Concen: 25.002 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011440.D
 Acq: 23 Jul 2019 14:16

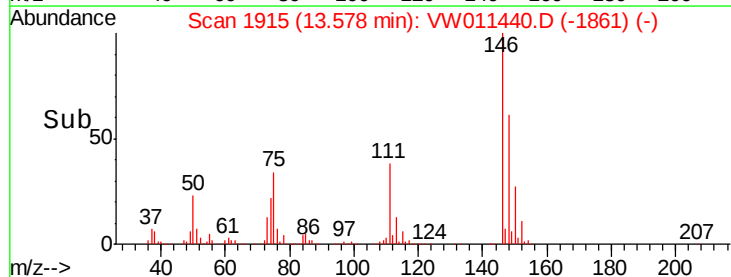
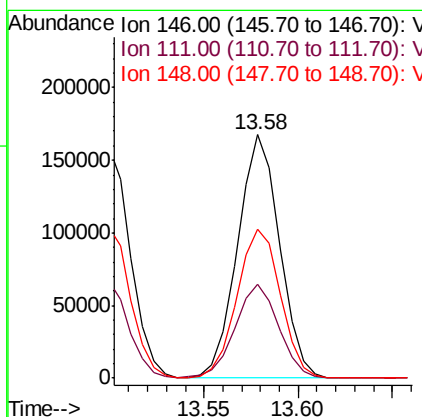
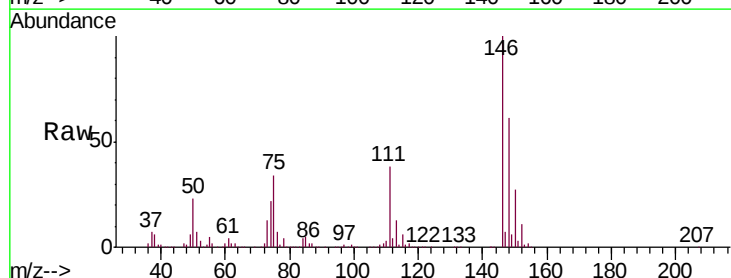
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

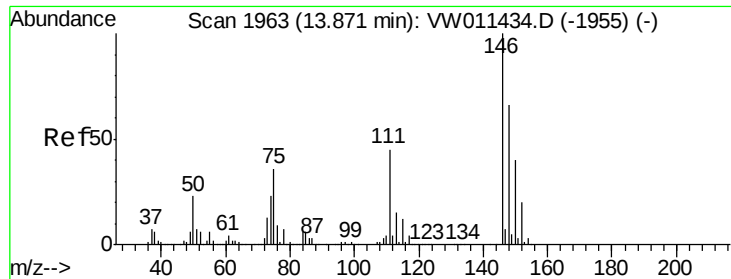
Tgt Ion:146 Resp: 256194
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.0 53.8
 148 64.9 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 24.951 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011440.D
 Acq: 23 Jul 2019 14:16

Tgt Ion:146 Resp: 259693
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.8 51.6
 148 61.2 44.9 83.5

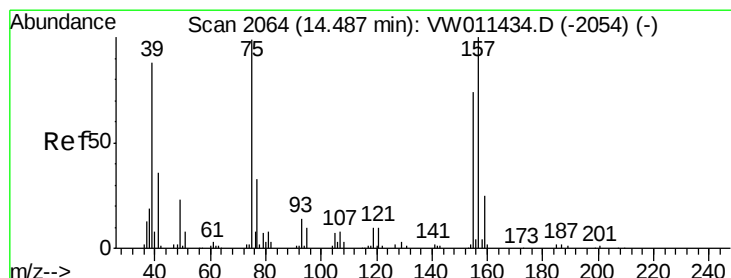
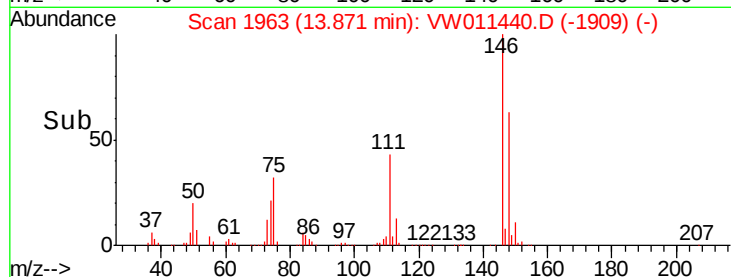
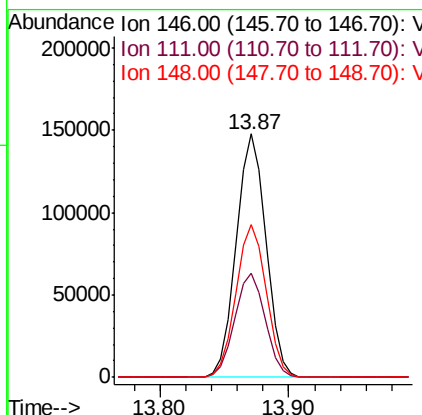
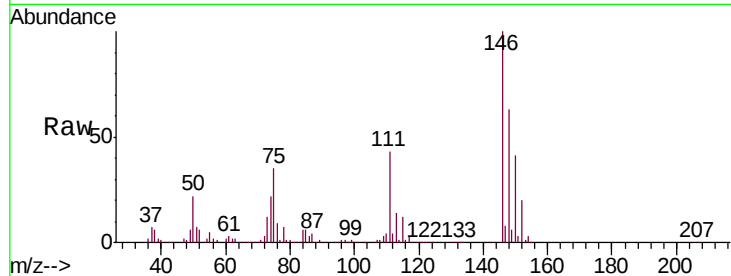




#65
 1,2-Dichlorobenzene
 Concen: 25.127 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011440.D
 Acq: 23 Jul 2019 14:16

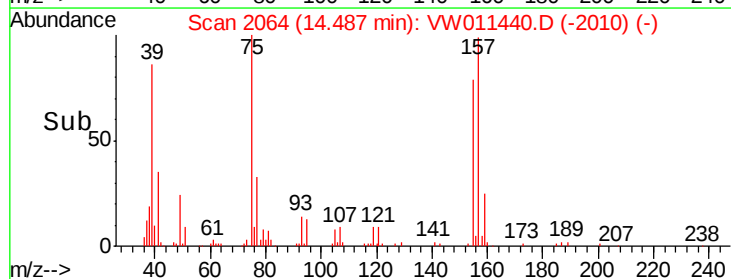
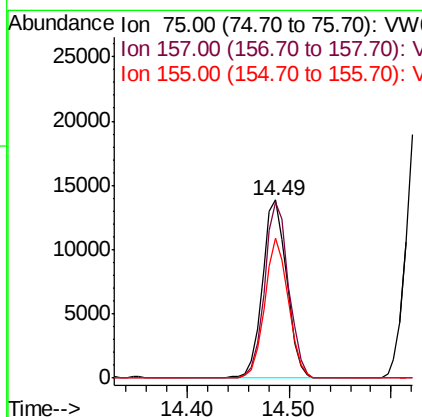
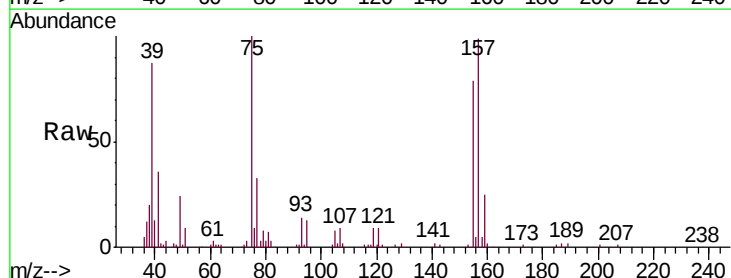
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

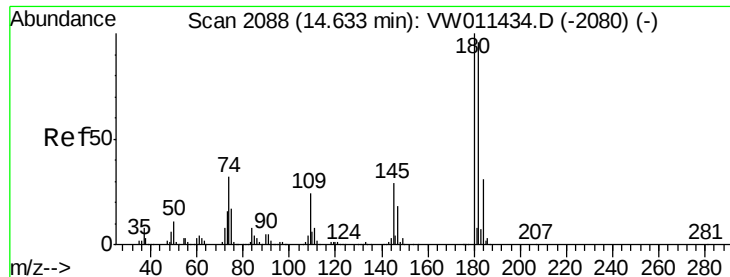
Tgt Ion: 146 Resp: 236914
 Ion Ratio Lower Upper
 146 100
 111 42.9 33.8 50.8
 148 62.8 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.575 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011440.D
 Acq: 23 Jul 2019 14:16

Tgt Ion: 75 Resp: 22985
 Ion Ratio Lower Upper
 75 100
 157 99.0 73.7 110.5
 155 79.0 61.0 91.6

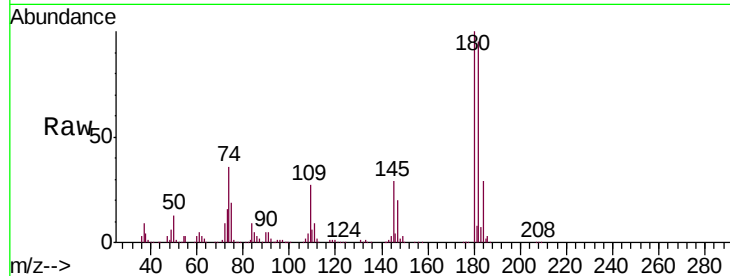




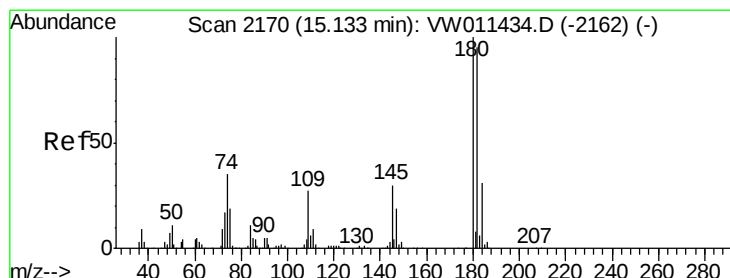
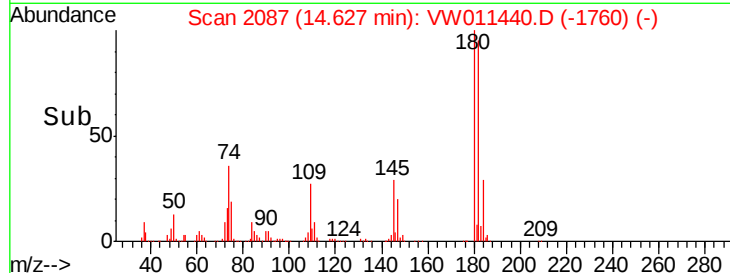
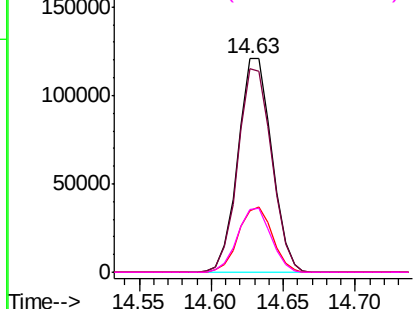
#67
 1,3,5-Trichlorobenzene
 Concen: 25.226 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW011440.D
 Acq: 23 Jul 2019 14:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Tgt Ion:	180	Resp:	197191
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
184	30.6	24.7	37.1
145	29.9	23.8	35.6

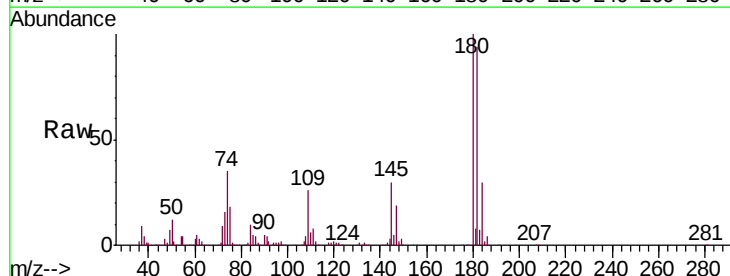


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

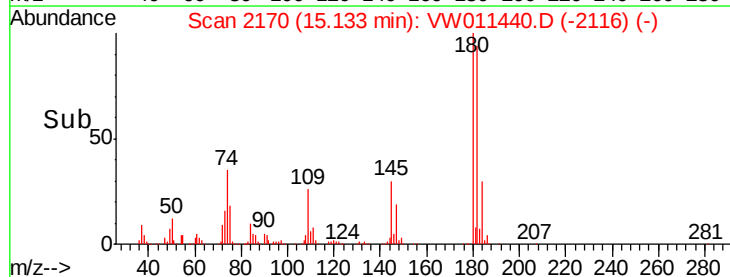
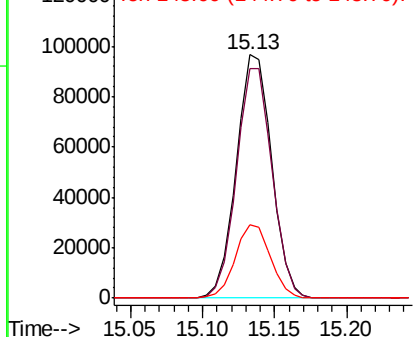


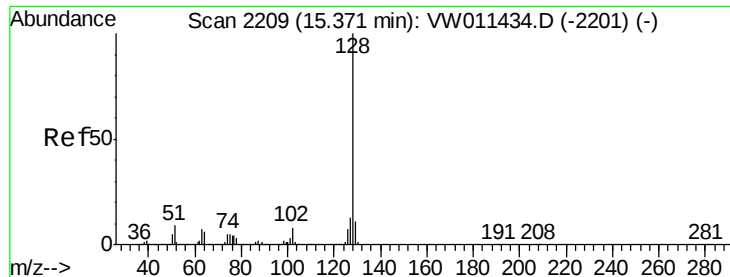
#68
 1,2,4-trichlorobenzene
 Concen: 25.452 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011440.D
 Acq: 23 Jul 2019 14:16

Tgt Ion:	180	Resp:	164889
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.4	114.6
145	30.1	24.2	36.2



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





#69

Naphthalene

Concen: 26.328 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

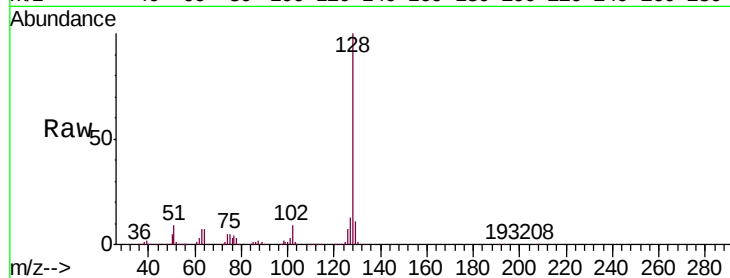
Tgt Ion:128 Resp: 347200

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

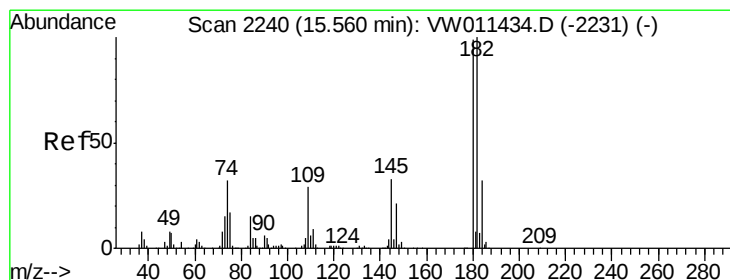
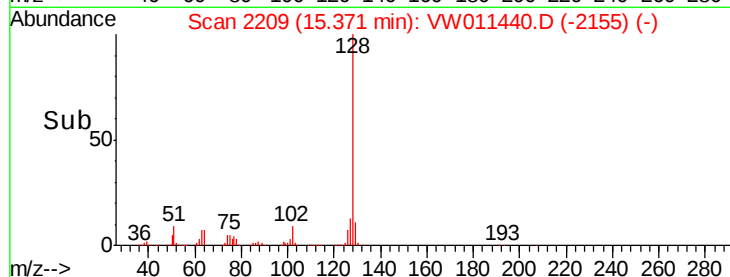
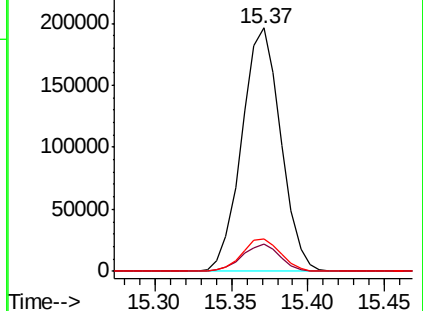
127 13.4 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.802 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011440.D

Acq: 23 Jul 2019 14:16

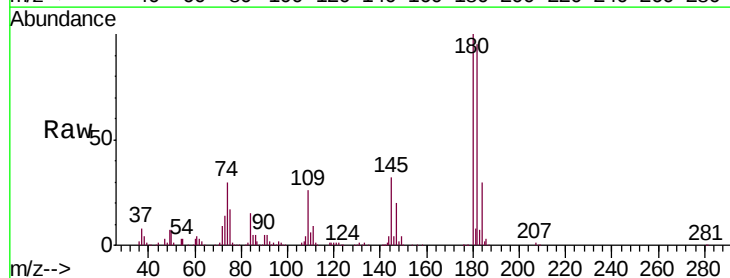
Tgt Ion:180 Resp: 151434

Ion Ratio Lower Upper

180 100

182 94.6 75.8 113.8

145 32.1 25.3 37.9



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

