

Data File : VW011432.D
Acq On : 22 Jul 2019 20:51
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

Quant Time: Jul 23 04:59:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 23 04:55:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	389551	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	356172	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	176214	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	126359	24.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.20%
7) Chloroethane-d5	2.89	69	96485	25.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.88%
10) 1,1-Dichloroethene-d2	4.03	63	295500	25.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.32%
20) 2-Butanone-d5	7.07	46	120175	54.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.52%
24) Chloroform-d	7.65	84	272430	27.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.24%
26) 1,2-Dichloroethane-d4	8.31	65	165715	27.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.76%
29) Benzene-d6	8.27	84	551864	25.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.64%
33) 1,2-Dichloropropane-d6	9.27	67	183343	26.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.24%
37) Toluene-d8	10.32	98	493052	25.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.32%
38) trans-1,3-Dichloropropene-	10.58	79	80511	27.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.00%
39) 2-Hexanone-d5	10.93	63	84226	56.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	152002	27.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	172905	26.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.52%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	132539	27.891	ug/L	99
3) Chloromethane	2.21	50	137897	23.917	ug/L	99
5) Vinyl chloride	2.36	62	167462	24.662	ug/L	99
6) Bromomethane	2.78	94	81668	24.912	ug/L	99
8) Chloroethane	2.92	64	90307	24.975	ug/L	97
9) Trichlorofluoromethane	3.26	101	66467	20.581	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	133678	25.791	ug/L	98
12) 1,1-Dichloroethene	4.04	96	131521	25.419	ug/L #	85
13) Acetone	4.12	43	107538	45.900	ug/L	98
14) Carbon disulfide	4.39	76	427027	25.454	ug/L	99
15) Methyl Acetate	4.67	43	97711	27.161	ug/L	99
16) Methylene chloride	4.92	84	148802	26.241	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	222203	27.163	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	135306	25.358	ug/L	99
19) 1,1-Dichloroethane	6.21	63	276476	26.087	ug/L	99
21) 2-Butanone	7.17	43	149622	49.693	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	147258	26.053	ug/L	97

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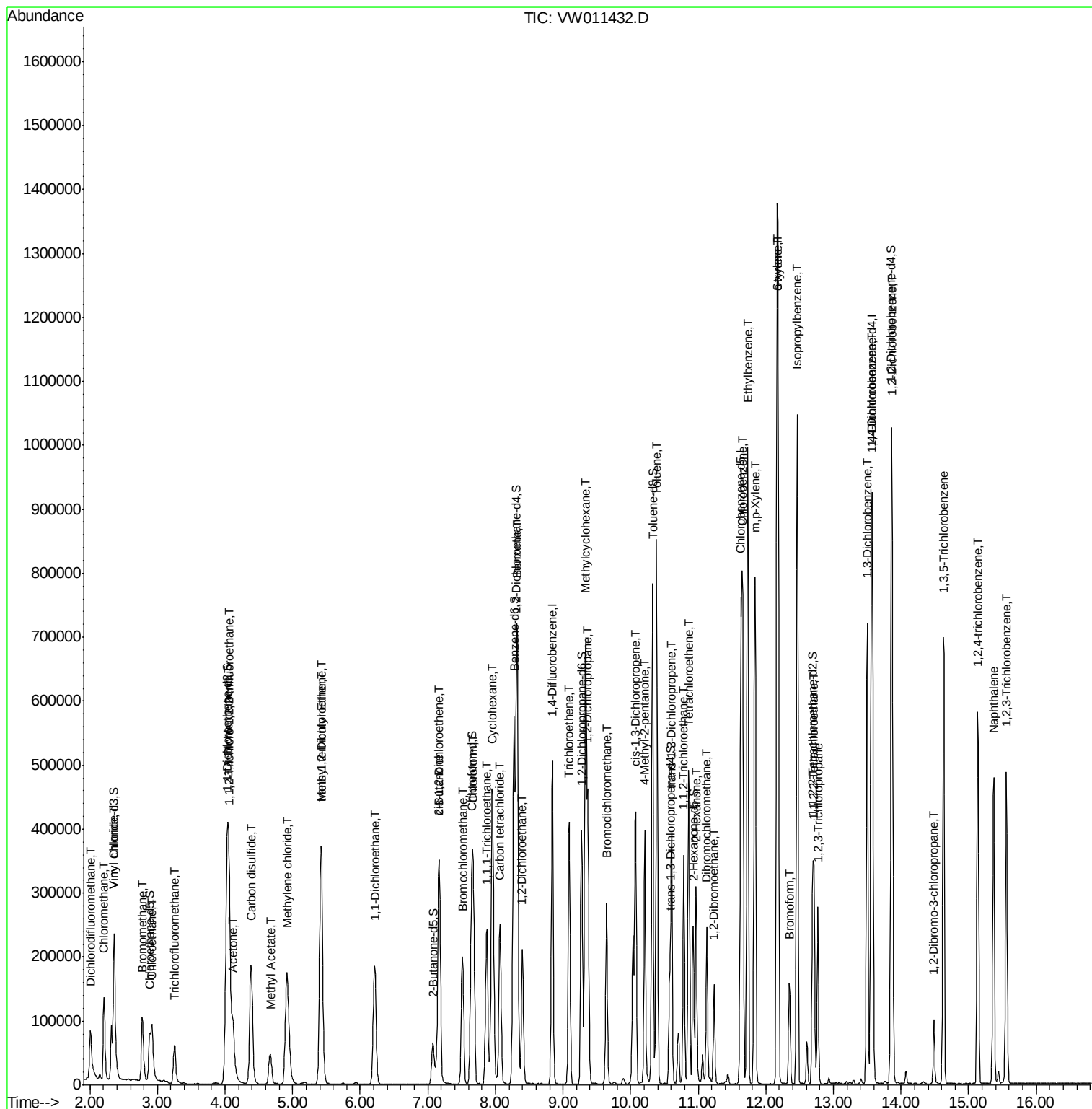
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	62612	26.504	ug/L	97
25) Chloroform	7.67	83	256334	26.255	ug/L	100
27) 1,2-Dichloroethane	8.40	62	192317	27.027	ug/L	99
30) Cyclohexane	7.95	56	278409	23.997	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	192510	24.281	ug/L	99
32) Carbon tetrachloride	8.07	117	179981	24.428	ug/L	99
34) Benzene	8.32	78	584077	25.262	ug/L	100
35) Trichloroethene	9.09	95	143529	24.425	ug/L	99
36) Methylcyclohexane	9.34	83	259925	24.325	ug/L	100
40) 1,2-Dichloropropane	9.37	63	158771	25.560	ug/L	100
41) Bromodichloromethane	9.64	83	188023	25.889	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	242113	25.944	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	277539	52.191	ug/L	100
44) Toluene	10.39	91	597943	25.214	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	198497	25.881	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	107902	25.951	ug/L	98
47) Tetrachloroethene	10.86	164	107295	23.799	ug/L	99
49) 2-Hexanone	10.97	43	211131	52.598	ug/L	99
50) Dibromochloromethane	11.13	129	122439	26.602	ug/L	100
51) 1,2-Dibromoethane	11.23	107	105026	26.118	ug/L	98
52) Chlorobenzene	11.66	112	366423	25.621	ug/L	99
53) Ethylbenzene	11.73	91	670557	25.124	ug/L	100
54) m,p-Xylene	11.84	106	247260	25.296	ug/L	99
55) o-xylene	12.16	106	235834	25.598	ug/L	99
56) Styrene	12.18	104	411958	26.581	ug/L	100
57) Isopropylbenzene	12.46	105	632193	25.193	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	142588	26.399	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	108116	26.199	ug/L	99
62) Bromoform	12.35	173	70454	25.261	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	278411	24.951	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	281364	24.825	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	261429	25.462	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	24613	25.150	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	209772	24.643	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	182196	25.826	ug/L	100
69) Naphthalene	15.37	128	389428	27.118	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	167143	26.152	ug/L	99

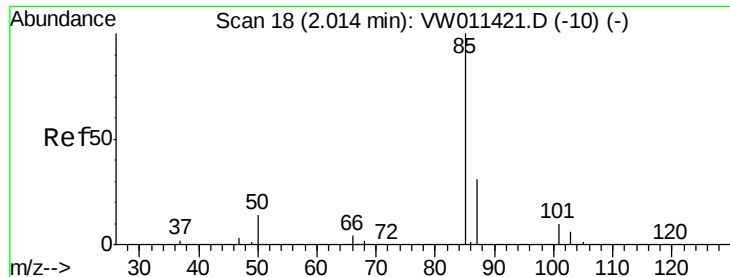
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.891 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

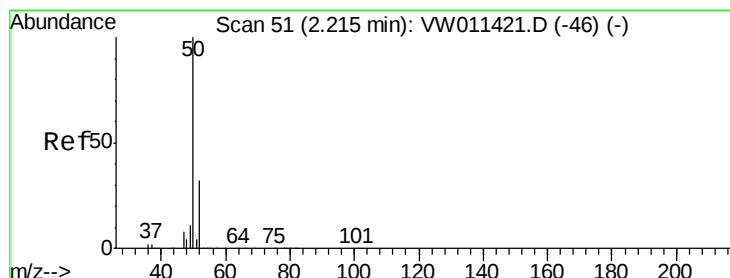
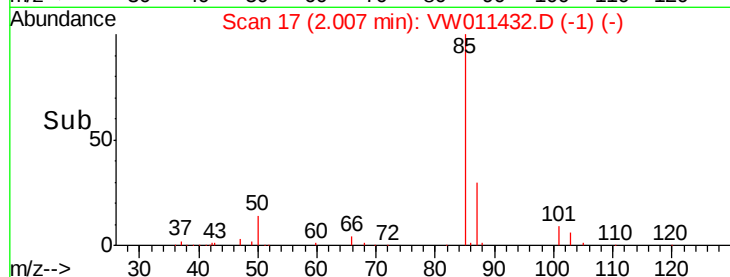
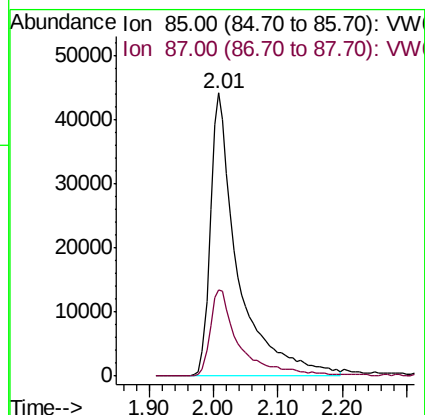
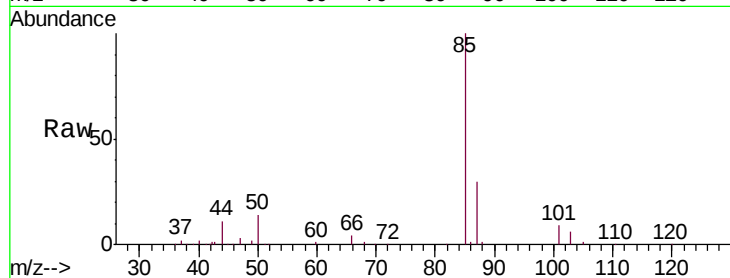
VSTD02516

Tgt Ion: 85 Resp: 132539

Ion Ratio Lower Upper

85 100

87 29.9 20.6 38.2



#3

Chloromethane

Concen: 23.917 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011432.D

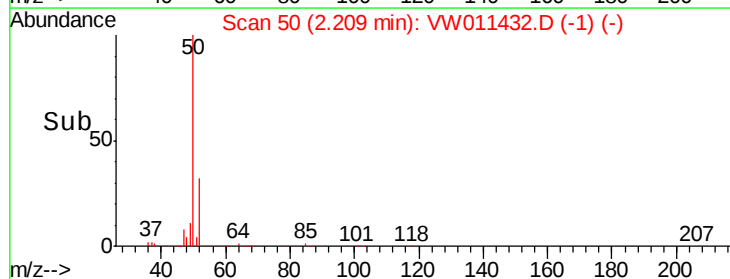
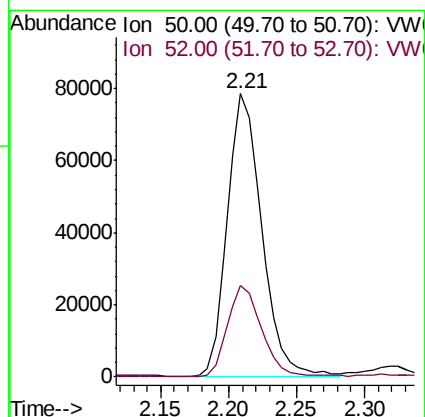
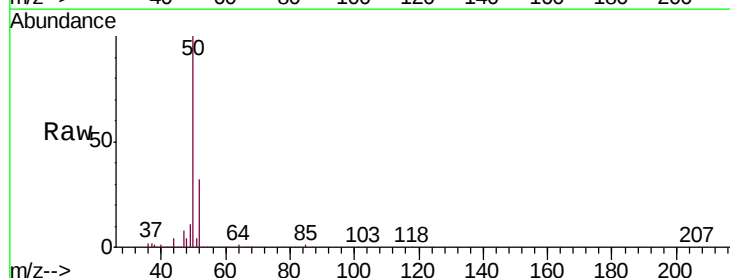
Acq: 22 Jul 2019 20:51

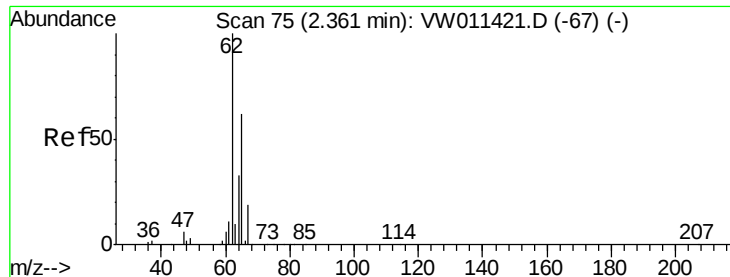
Tgt Ion: 50 Resp: 137897

Ion Ratio Lower Upper

50 100

52 32.1 22.0 41.0





#5

Vinyl chloride

Concen: 24.662 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011432.D

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Instrument :

MSVOA_W

ClientSampleId :

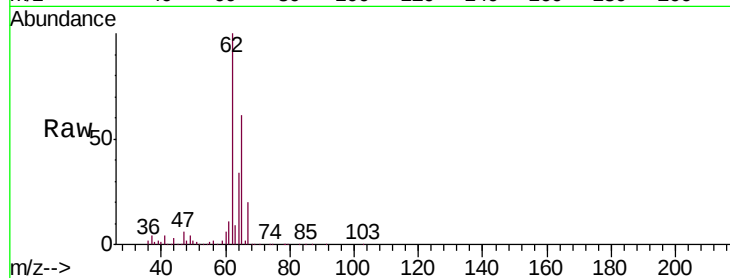
VSTD02516

Tgt Ion: 62 Resp: 167462

Ion Ratio Lower Upper

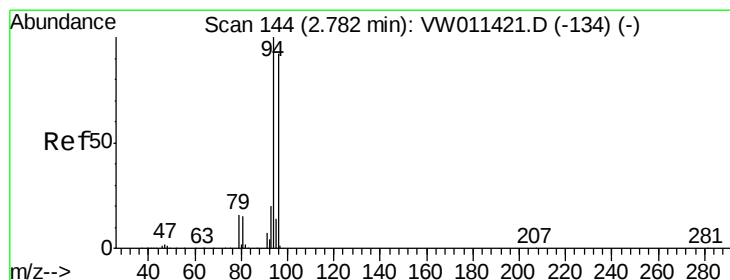
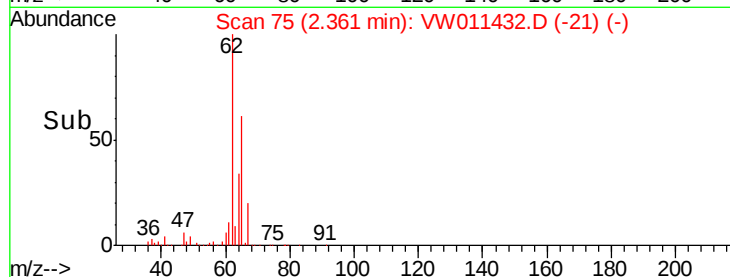
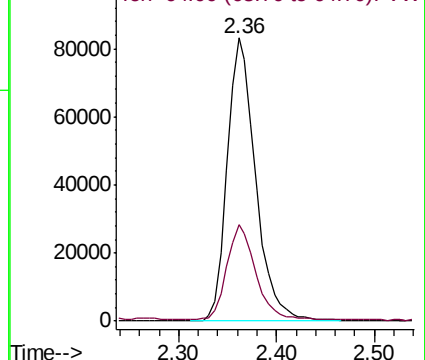
62 100

64 33.9 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 24.912 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW011432.D

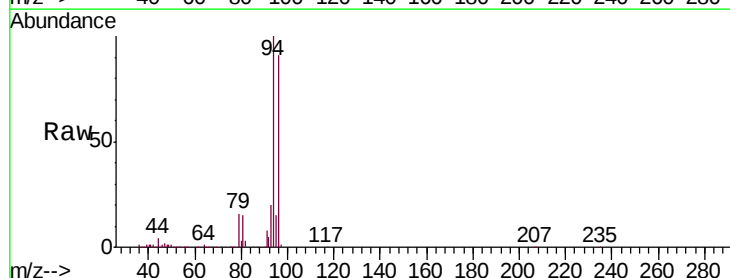
Acq: 22 Jul 2019 20:51

Tgt Ion: 94 Resp: 81668

Ion Ratio Lower Upper

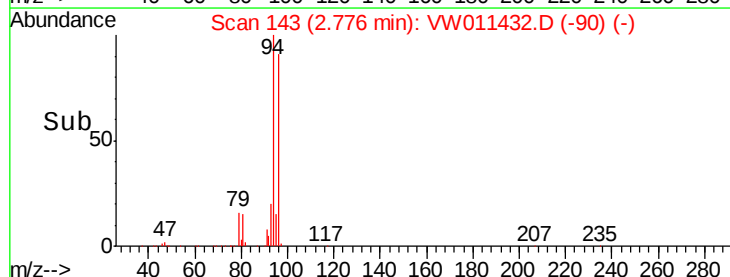
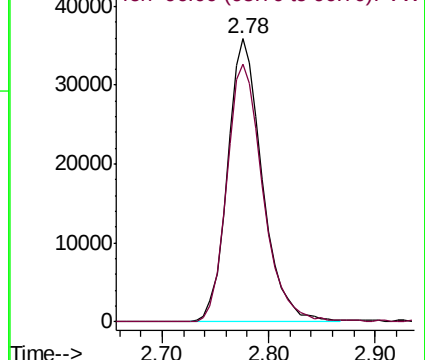
94 100

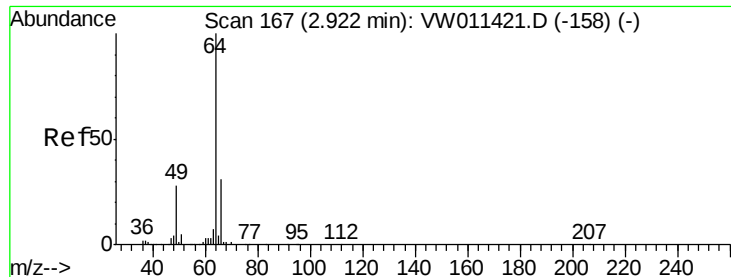
96 94.8 9.4 178.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 24.975 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

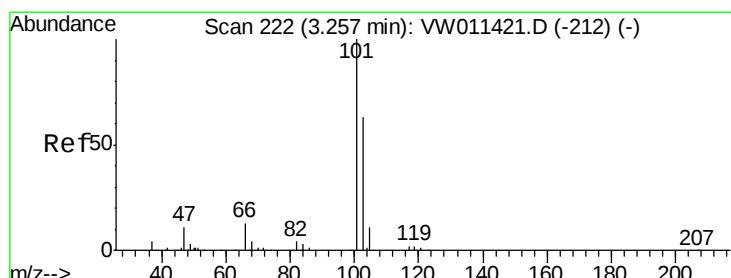
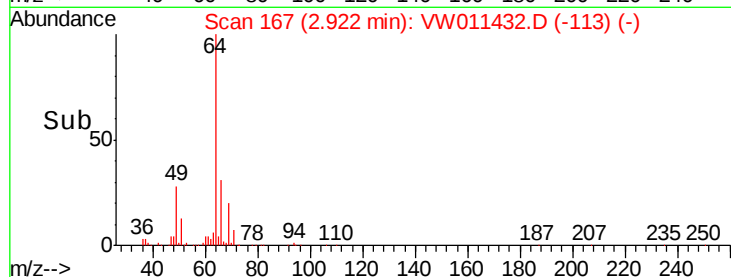
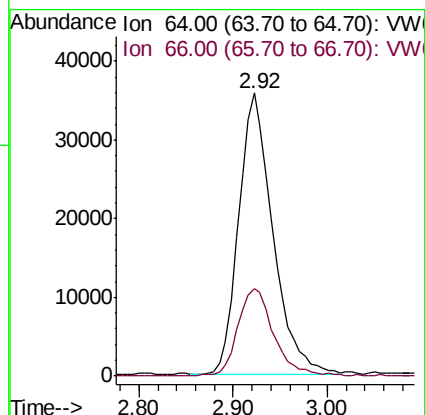
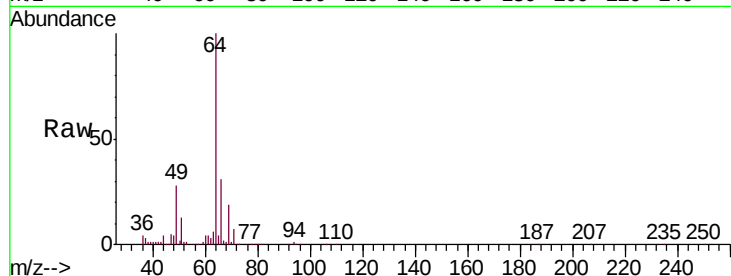
VSTD02516

Tgt Ion: 64 Resp: 90307

Ion Ratio Lower Upper

64 100

66 30.8 22.7 42.3



#9

Trichlorofluoromethane

Concen: 20.581 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW011432.D

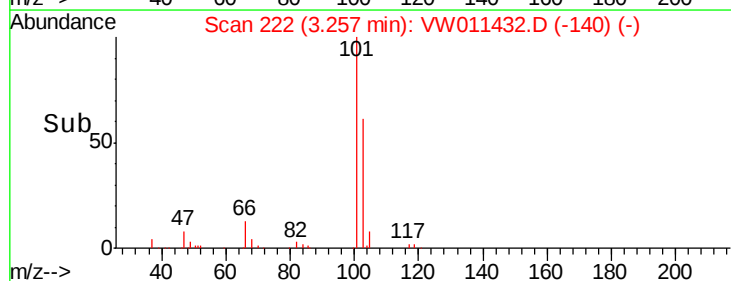
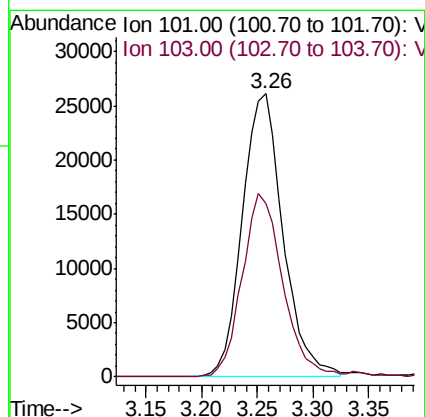
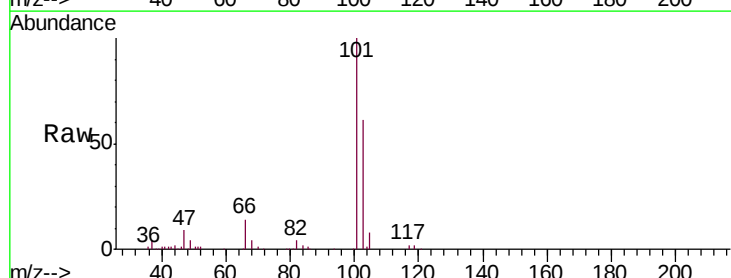
Acq: 22 Jul 2019 20:51

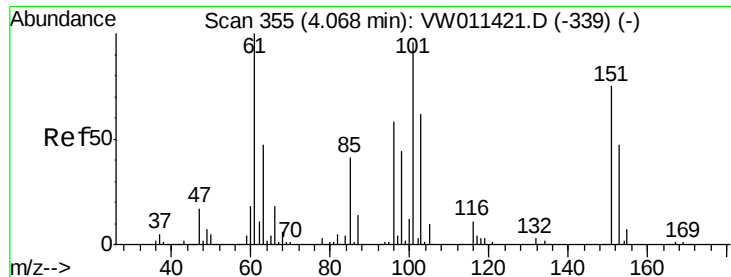
Tgt Ion: 101 Resp: 66467

Ion Ratio Lower Upper

101 100

103 64.7 45.2 84.0





#11

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

Concen: 25.791 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

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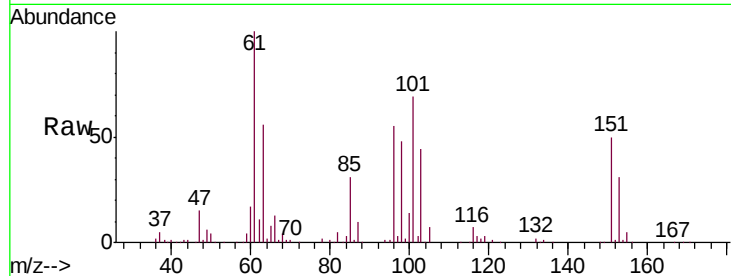
Tgt Ion: 101 Resp: 133678

Ion Ratio Lower Upper

101 100

85 42.0 35.2 52.8

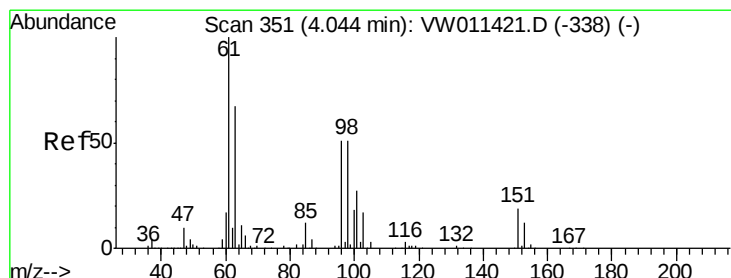
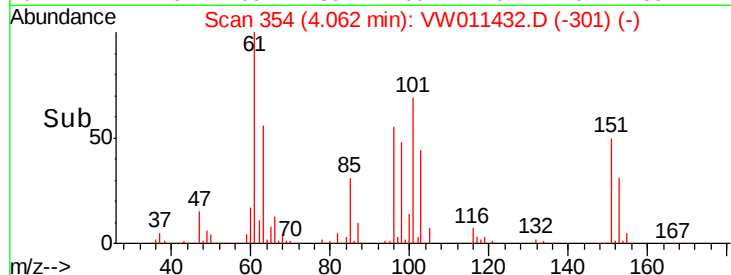
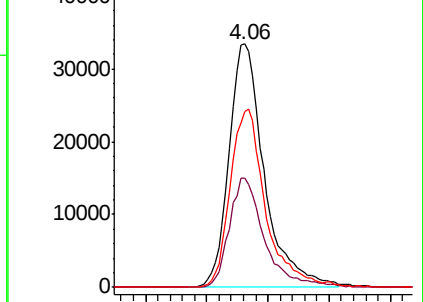
151 72.4 58.6 87.8



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: 25.419 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

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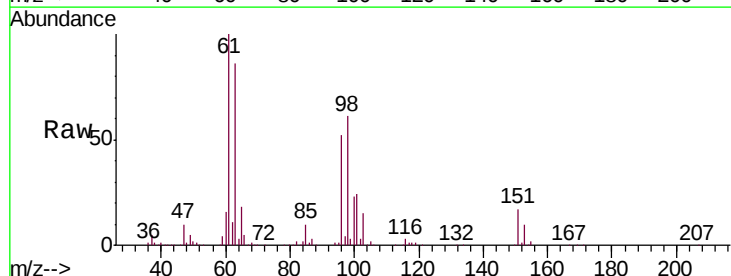
Tgt Ion: 96 Resp: 131521

Ion Ratio Lower Upper

96 100

61 193.9 133.2 247.4

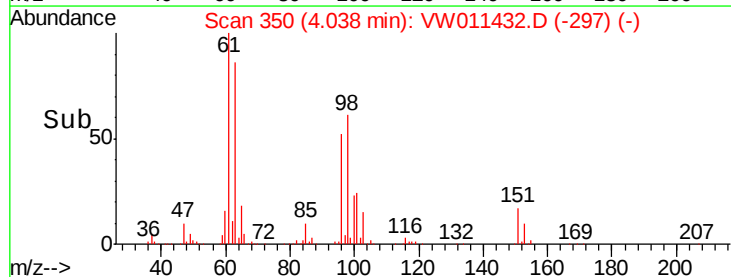
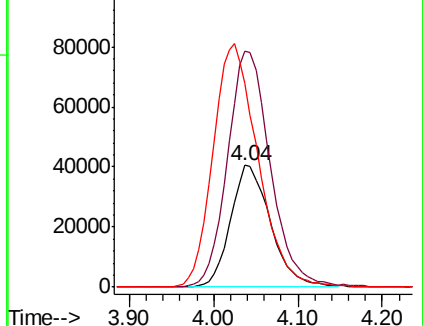
63 167.3 89.9 166.9#

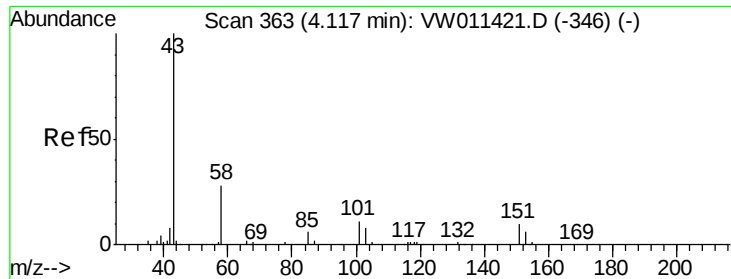


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.900 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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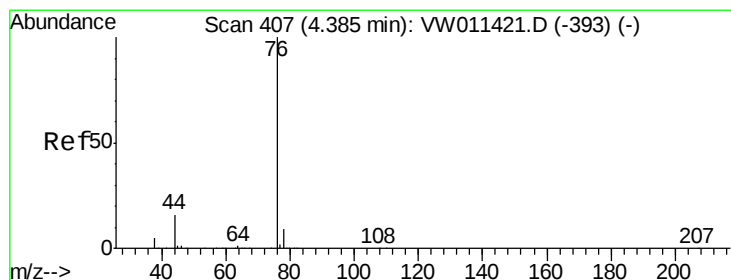
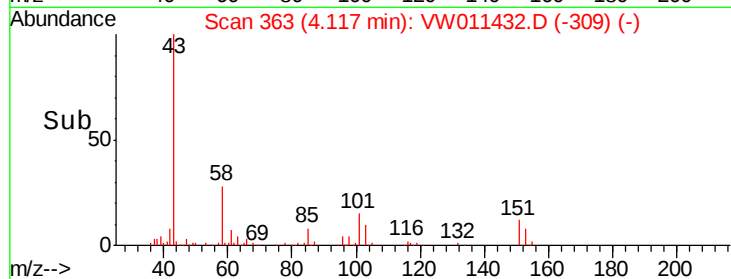
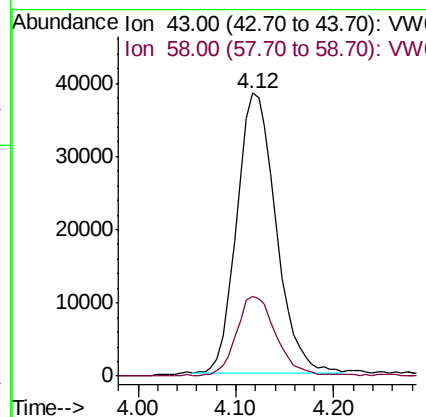
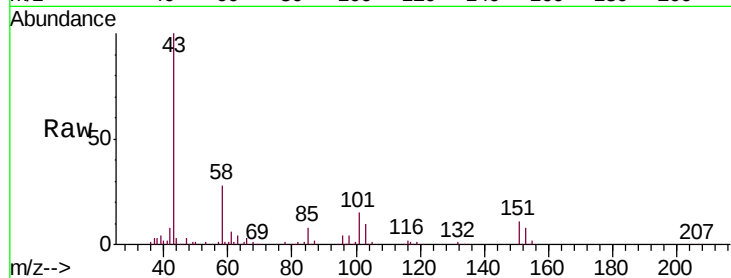
VSTD02516

Tgt Ion: 43 Resp: 107538

Ion Ratio Lower Upper

43 100

58 27.7 0.0 57.2



#14

Carbon disulfide

Concen: 25.454 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

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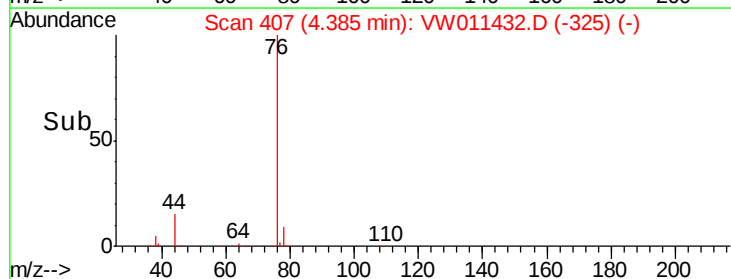
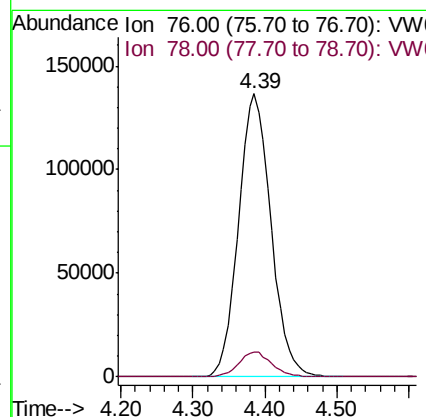
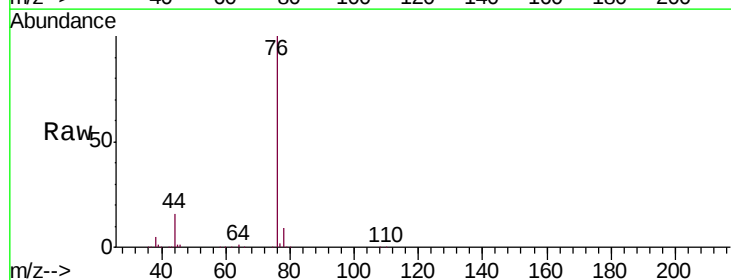
Acq: 22 Jul 2019 20:51

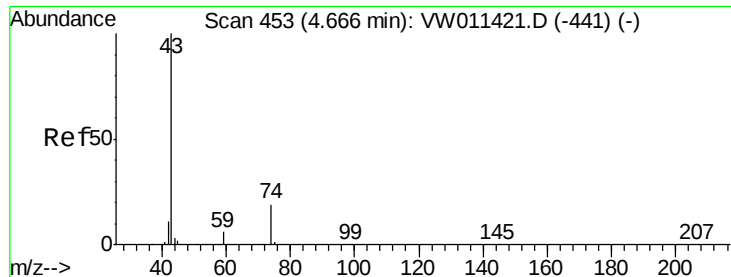
Tgt Ion: 76 Resp: 427027

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

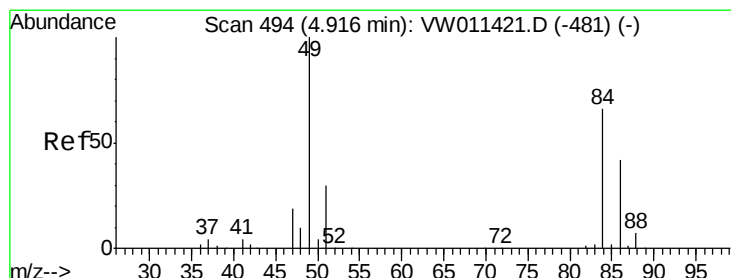
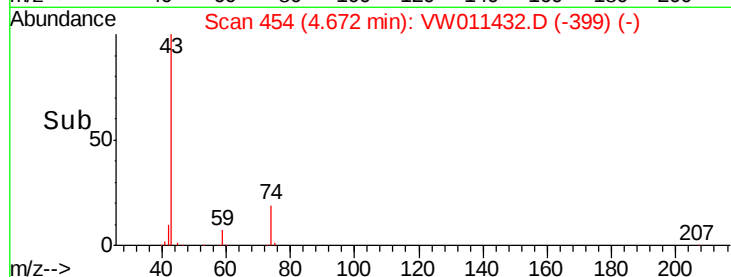
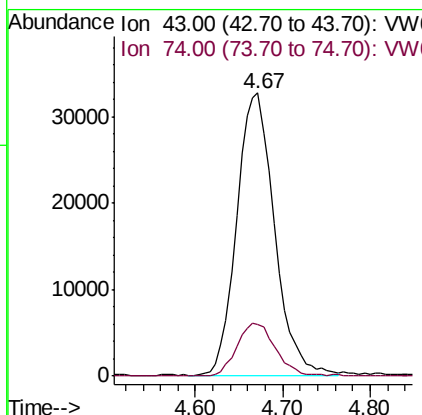
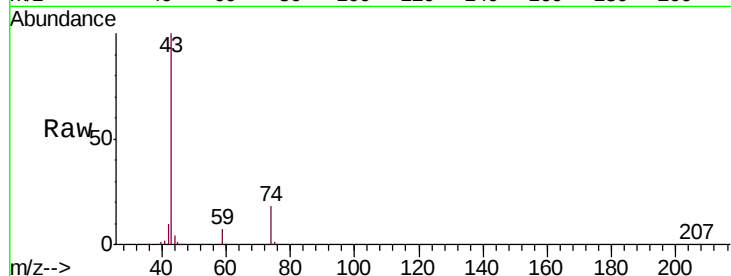




#15
Methyl Acetate
Concen: 27.161 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011432.D
Acq: 22 Jul 2019 20:51

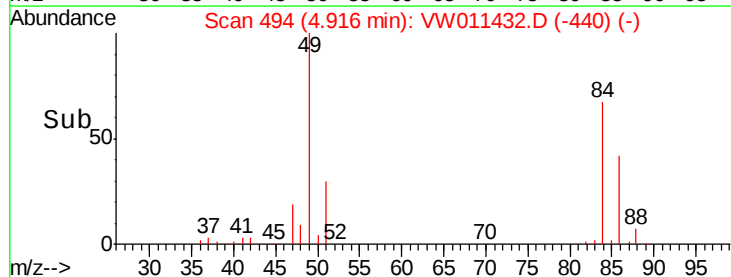
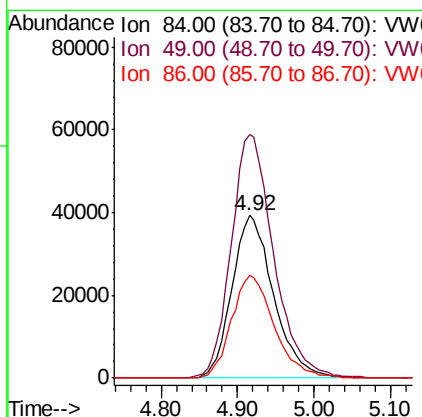
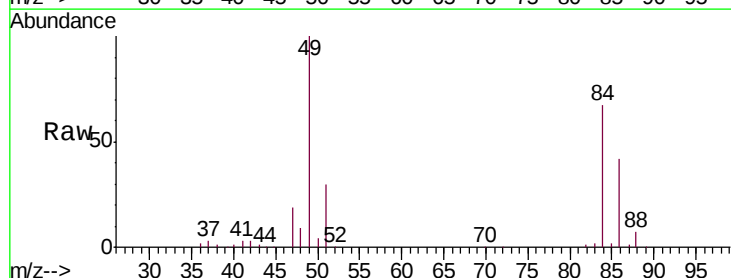
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

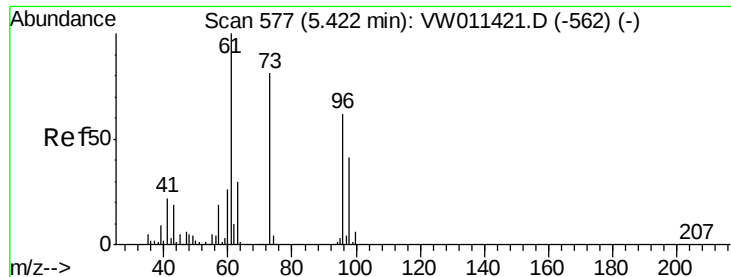
Tgt Ion: 43 Resp: 97711
Ion Ratio Lower Upper
43 100
74 19.2 15.2 22.8



#16
Methylene chloride
Concen: 26.241 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011432.D
Acq: 22 Jul 2019 20:51

Tgt Ion: 84 Resp: 148802
Ion Ratio Lower Upper
84 100
49 149.9 104.0 193.2
86 63.2 44.0 81.8

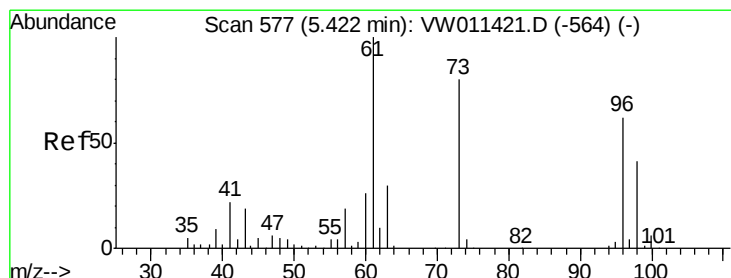
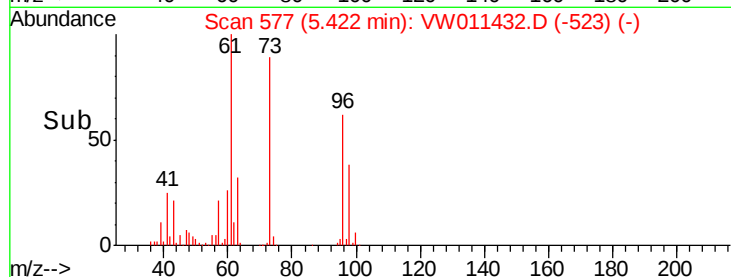
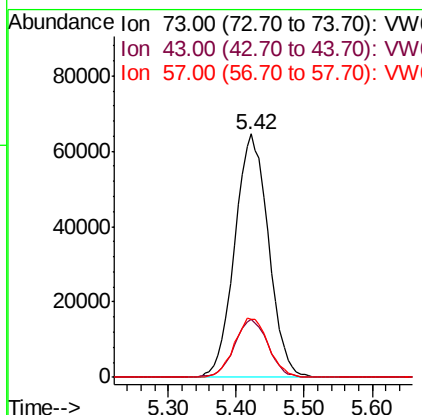
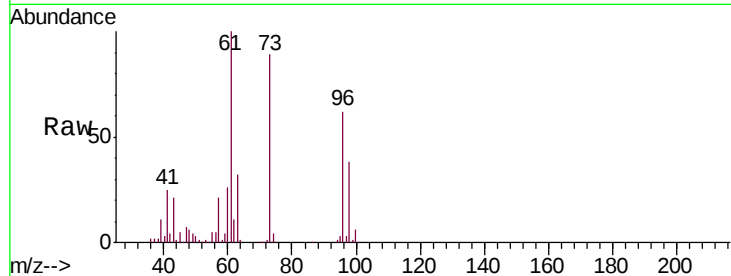




#17
Methyl tert-butyl Ether
Concen: 27.163 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011432.D
Acq: 22 Jul 2019 20:51

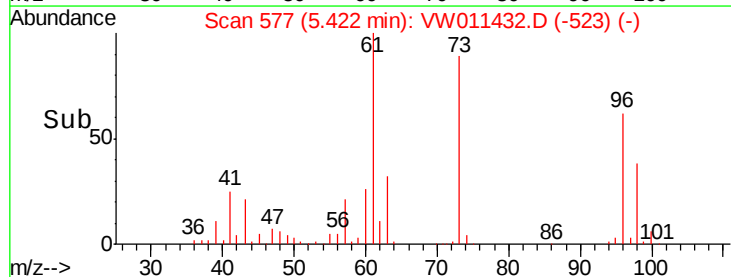
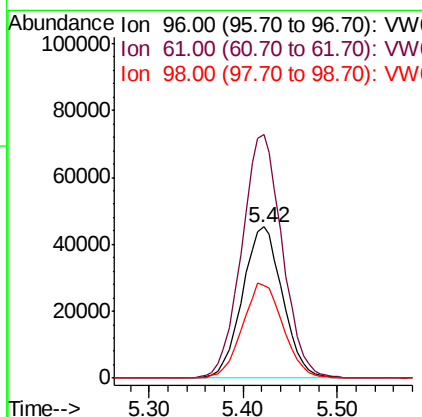
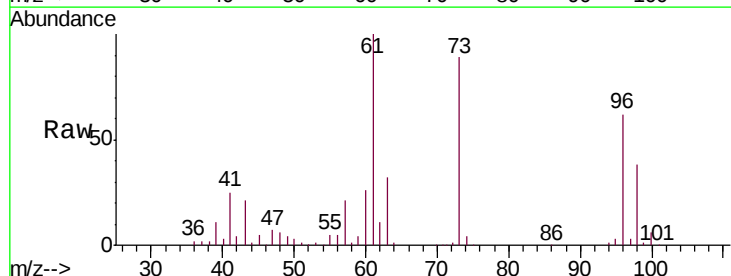
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

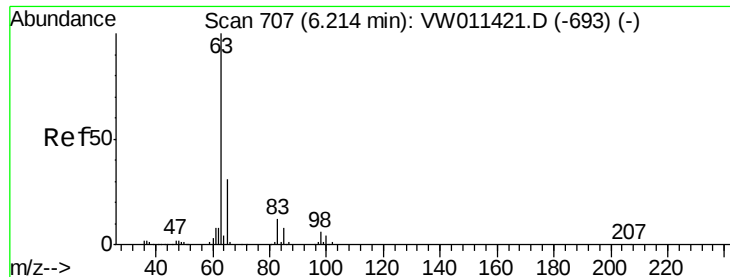
Tgt Ion: 73 Resp: 222203
Ion Ratio Lower Upper
73 100
43 23.6 19.0 28.4
57 24.5 19.8 29.6



#18
trans-1,2-Dichloroethene
Concen: 25.358 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011432.D
Acq: 22 Jul 2019 20:51

Tgt Ion: 96 Resp: 135306
Ion Ratio Lower Upper
96 100
61 161.1 111.7 207.5
98 61.0 43.4 80.6

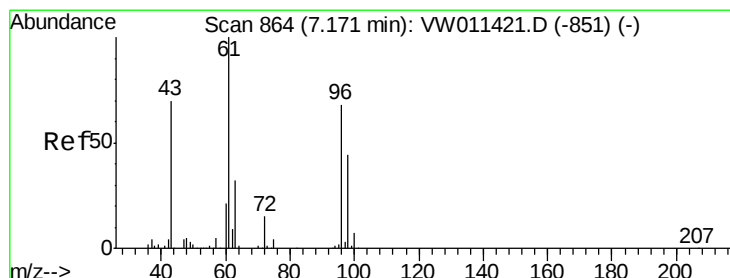
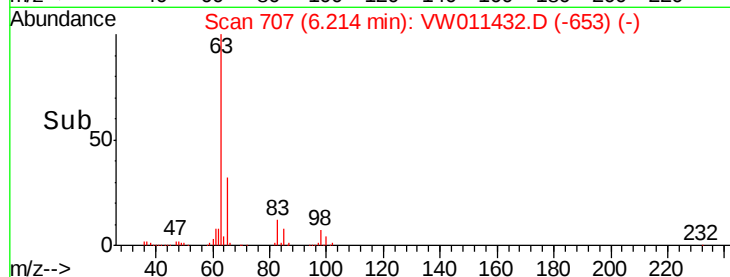
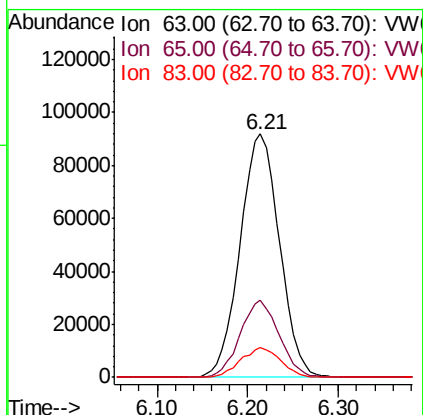
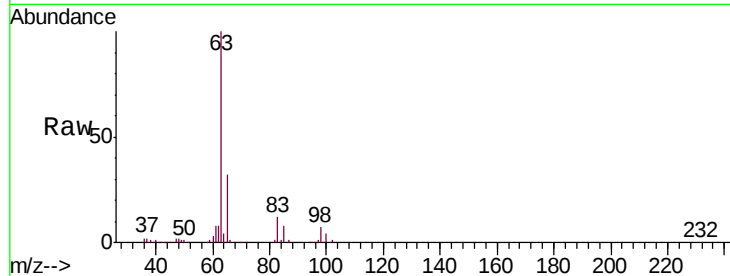




#19
 1,1-Dichloroethane
 Concen: 26.087 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW011432.D
 Acq: 22 Jul 2019 20:51

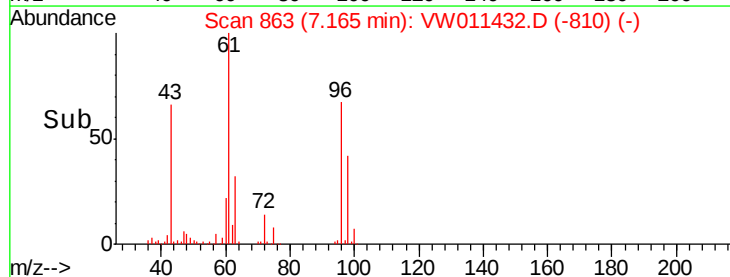
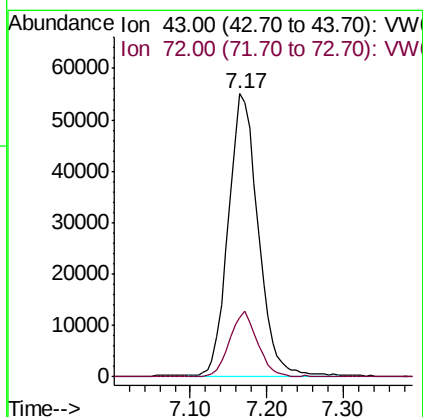
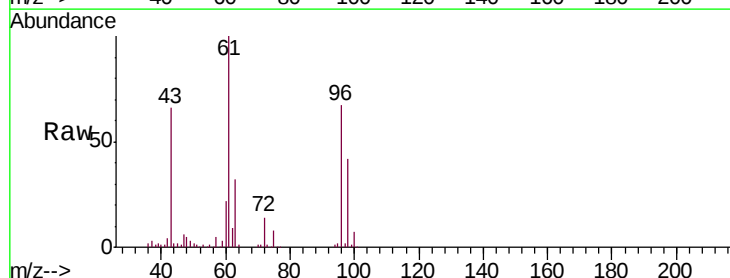
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

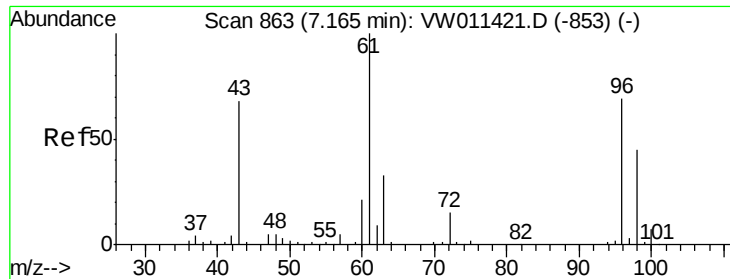
Tgt Ion: 63 Resp: 276476
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.8 42.4
 83 12.4 8.6 16.0



#21
 2-Butanone
 Concen: 49.693 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011432.D
 Acq: 22 Jul 2019 20:51

Tgt Ion: 43 Resp: 149622
 Ion Ratio Lower Upper
 43 100
 72 21.2 10.5 31.6

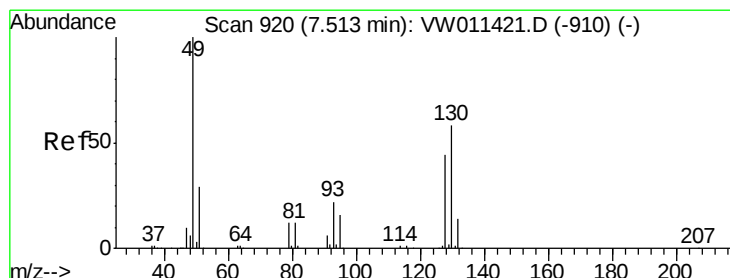
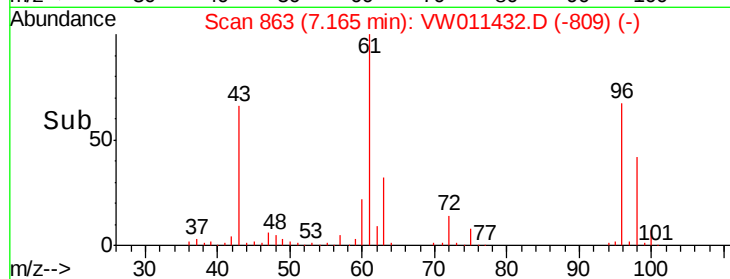
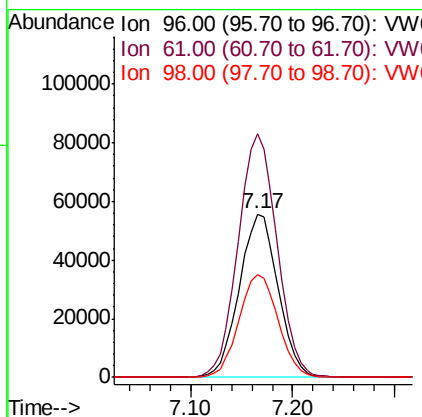
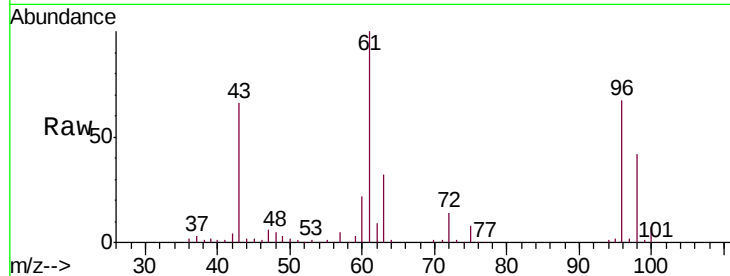




#22
 cis-1,2-Dichloroethene
 Concen: 26.053 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011432.D
 Acq: 22 Jul 2019 20:51

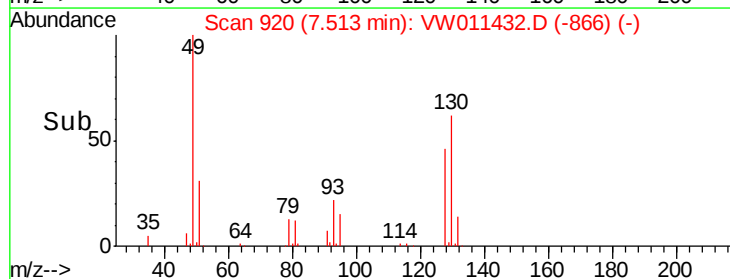
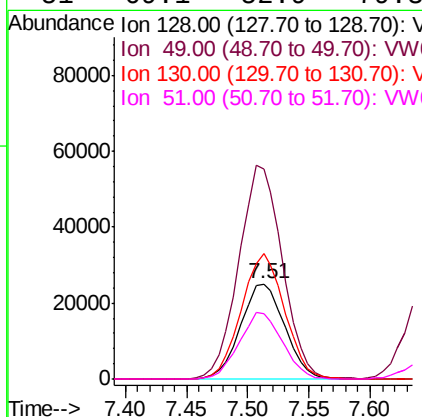
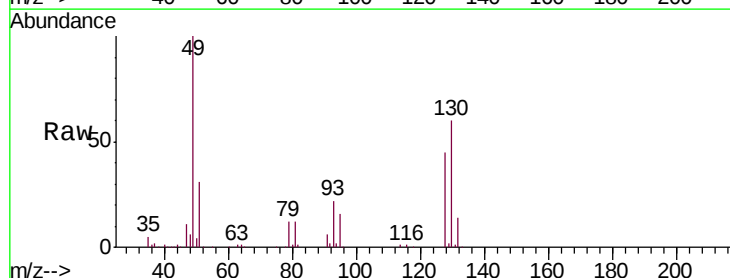
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

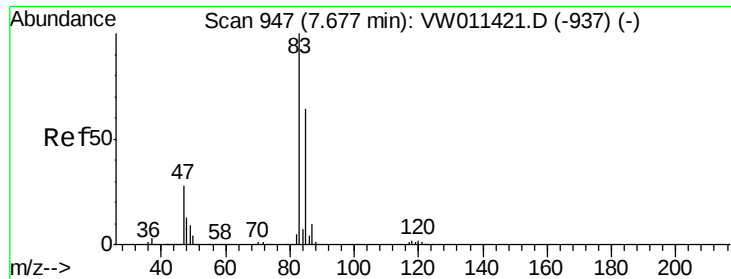
Tgt Ion: 96 Resp: 147258
 Ion Ratio Lower Upper
 96 100
 61 149.3 101.8 189.0
 98 63.4 45.4 84.2



#23
 Bromochloromethane
 Concen: 26.504 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW011432.D
 Acq: 22 Jul 2019 20:51

Tgt Ion: 128 Resp: 62612
 Ion Ratio Lower Upper
 128 100
 49 221.6 152.0 282.2
 130 132.6 89.8 166.8
 51 69.1 52.9 79.3

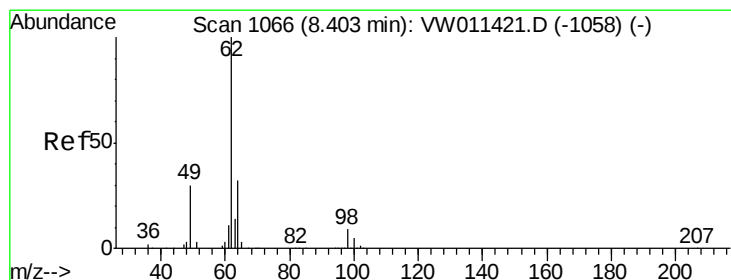
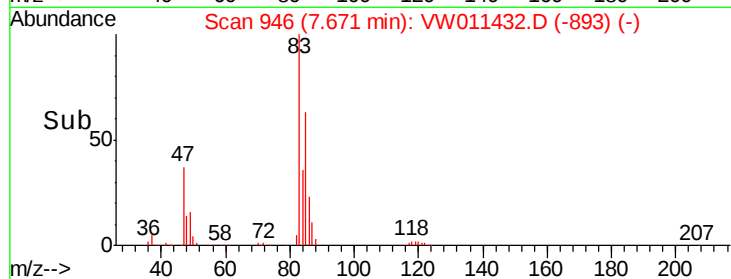
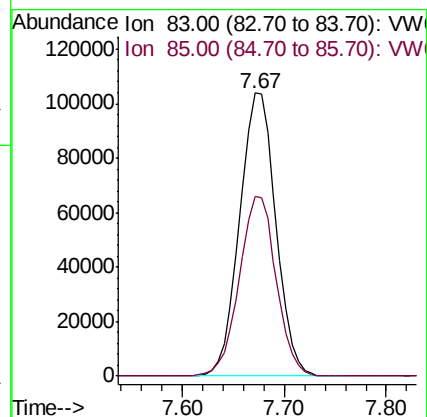
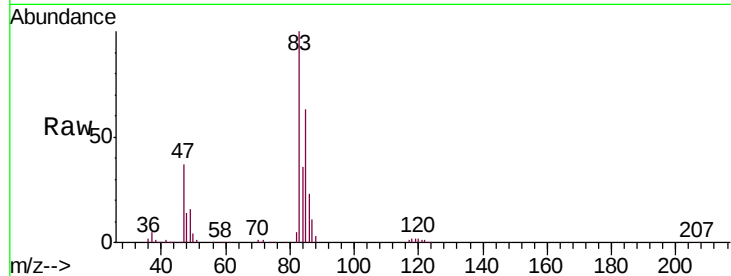




#25
Chloroform
Concen: 26.255 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011432.D
Acq: 22 Jul 2019 20:51

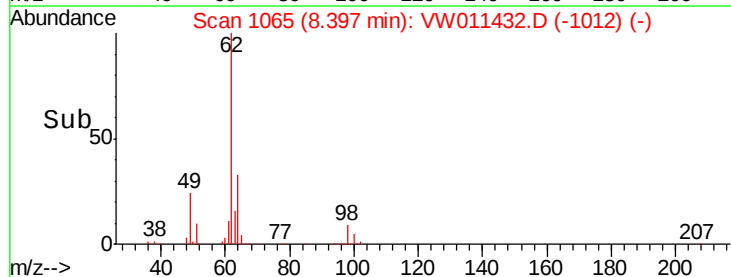
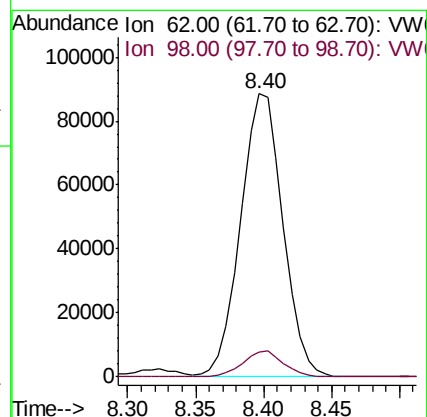
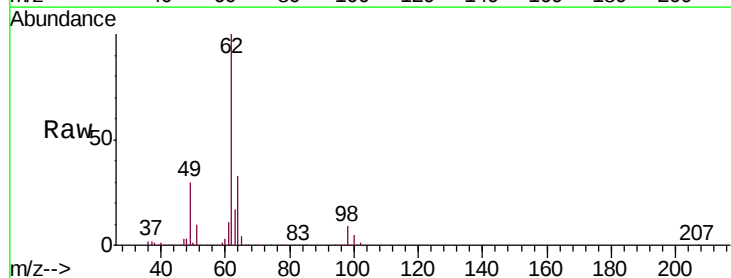
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

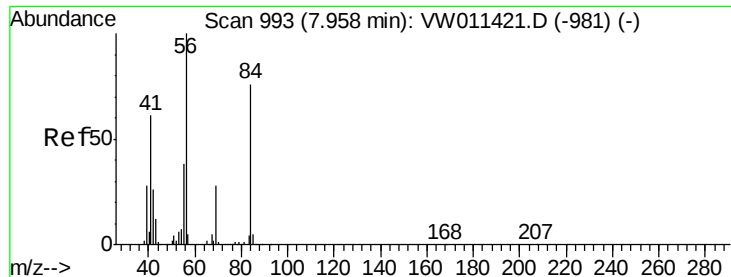
Tgt Ion: 83 Resp: 256334
Ion Ratio Lower Upper
83 100
85 64.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 27.027 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW011432.D
Acq: 22 Jul 2019 20:51

Tgt Ion: 62 Resp: 192317
Ion Ratio Lower Upper
62 100
98 8.6 7.1 10.7

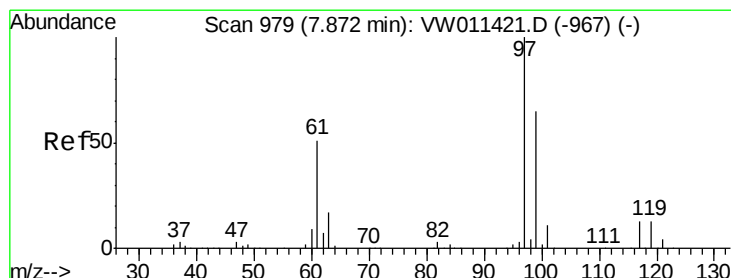
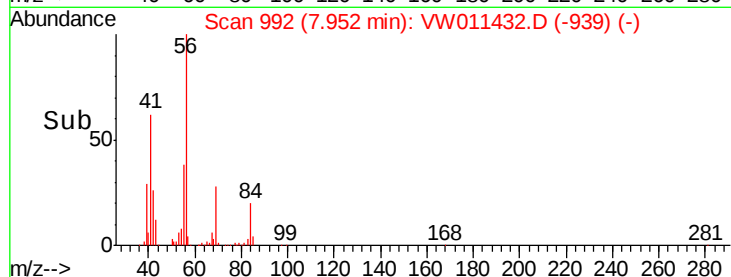
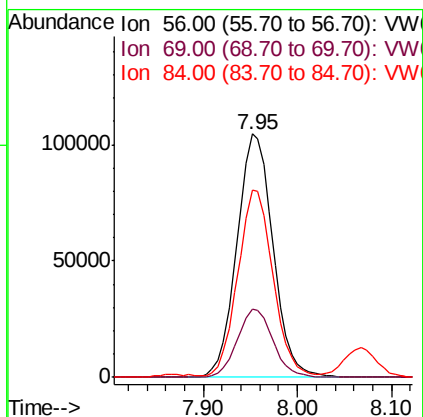
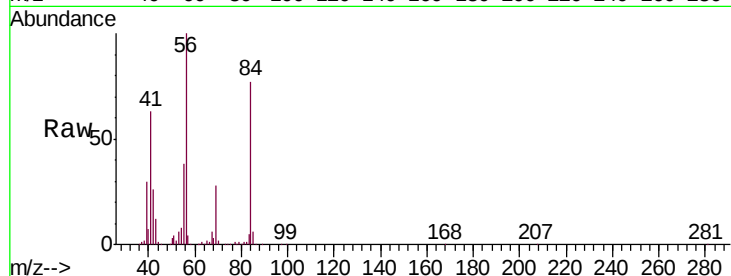




#30
Cyclohexane
Concen: 23.997 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW011432.D
Acq: 22 Jul 2019 20:51

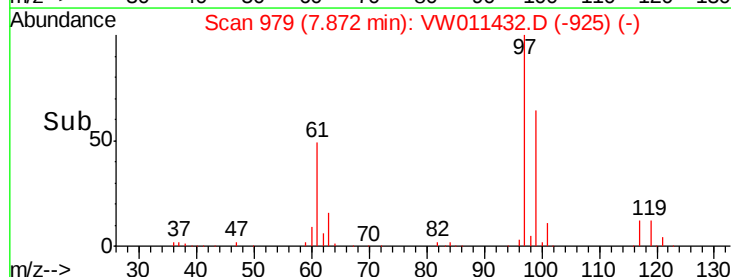
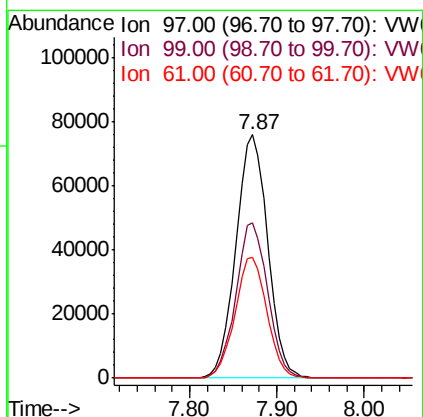
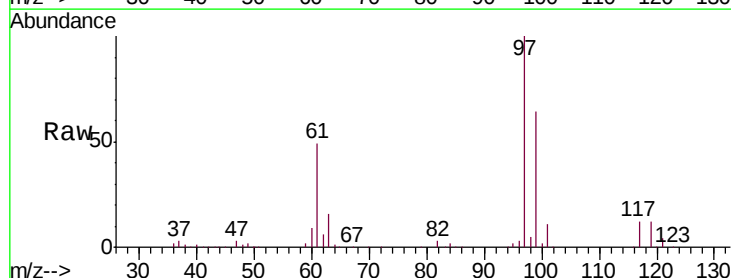
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

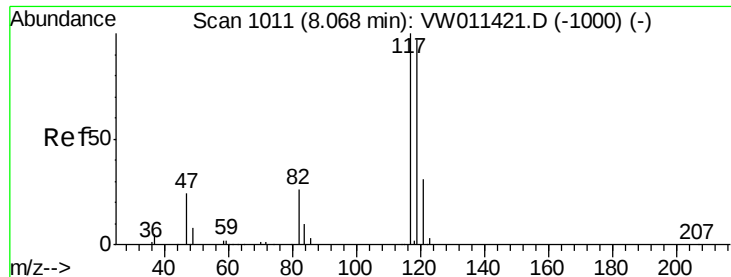
Tgt Ion: 56 Resp: 278409
Ion Ratio Lower Upper
56 100
69 27.8 22.6 34.0
84 75.8 60.4 90.6



#31
1,1,1-Trichloroethane
Concen: 24.281 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011432.D
Acq: 22 Jul 2019 20:51

Tgt Ion: 97 Resp: 192510
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.6
61 50.0 39.4 59.2





#32

Carbon tetrachloride

Concen: 24.428 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

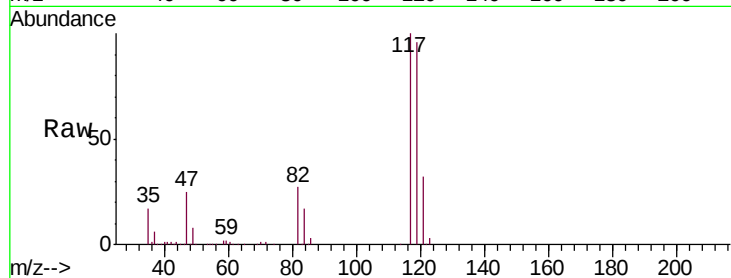
VSTD02516

Tgt Ion:117 Resp: 179981

Ion Ratio Lower Upper

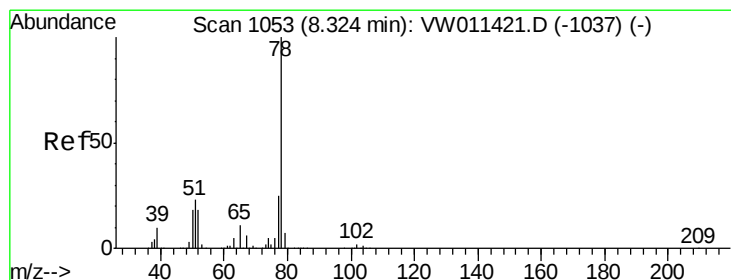
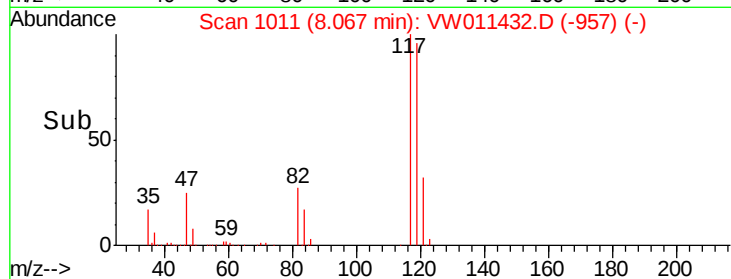
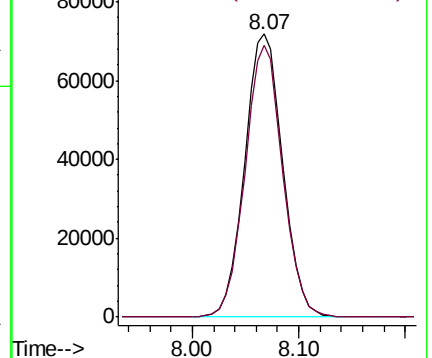
117 100

119 94.7 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.262 ug/L

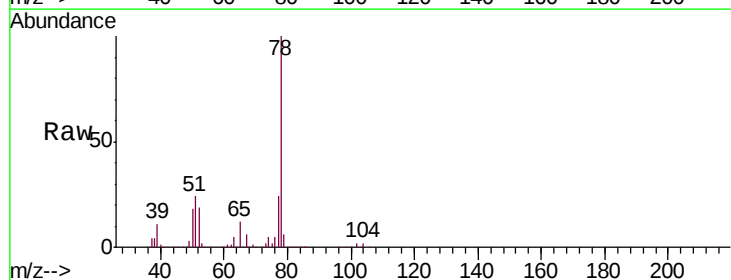
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

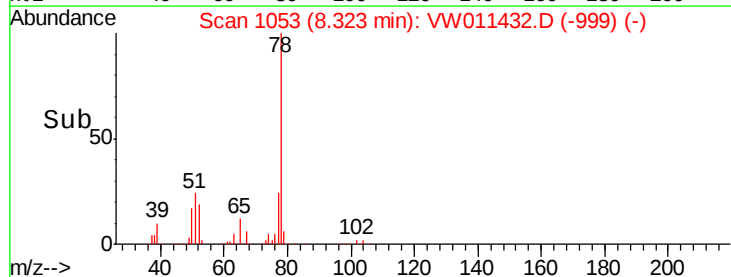
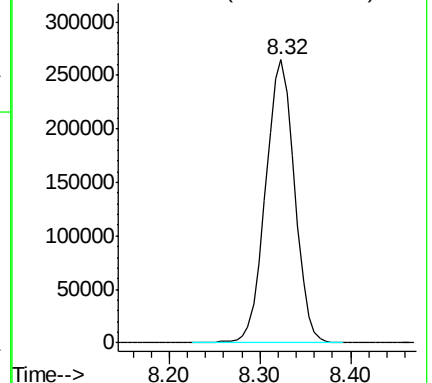
Lab File: VW011432.D

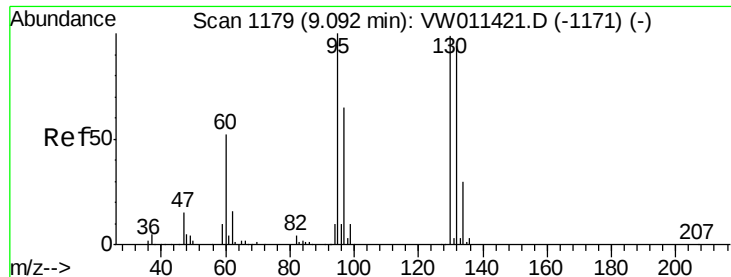
Acq: 22 Jul 2019 20:51

Tgt Ion: 78 Resp: 584077



Abundance Ion 78.00 (77.70 to 78.70): VW

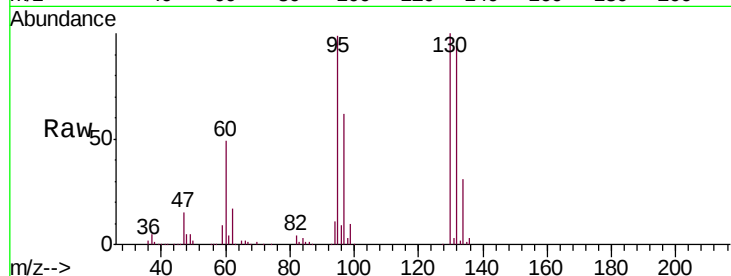




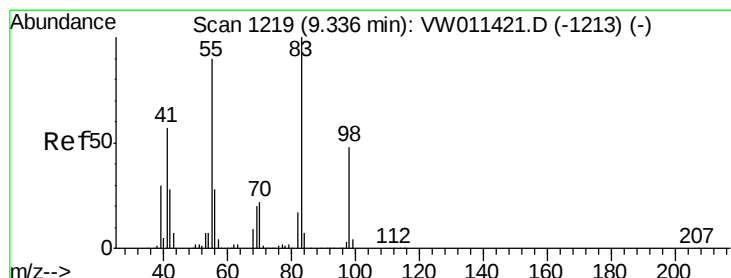
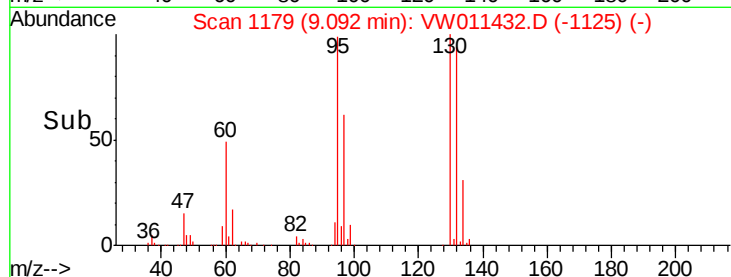
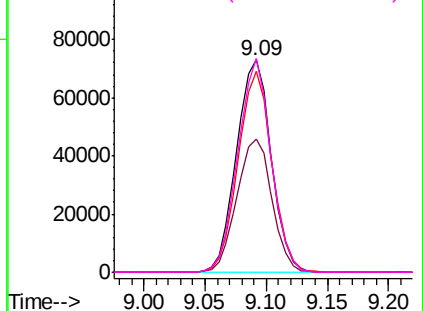
#35
 Trichloroethene
 Concen: 24.425 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW011432.D
 Acq: 22 Jul 2019 20:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Tgt Ion: 95 Resp: 143529
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.6 82.8
 132 92.3 66.0 122.6
 130 96.2 68.4 127.0

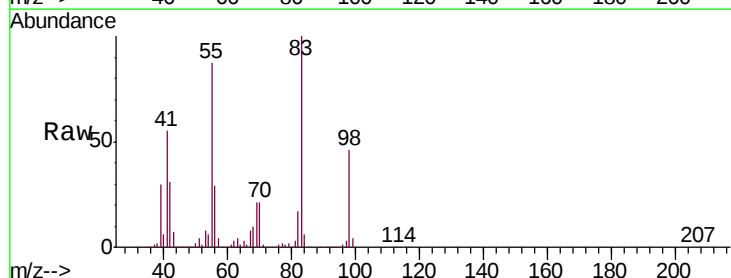


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

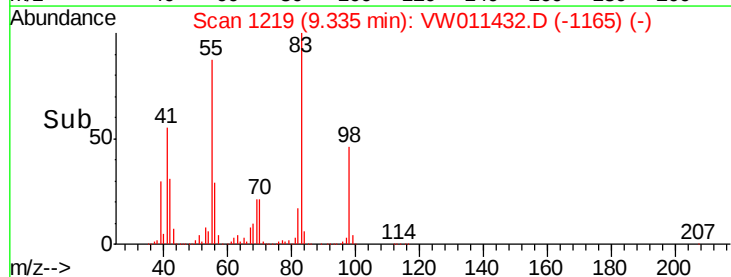
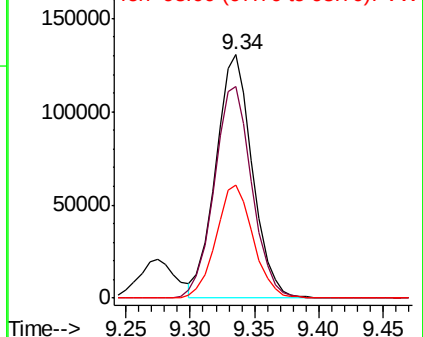


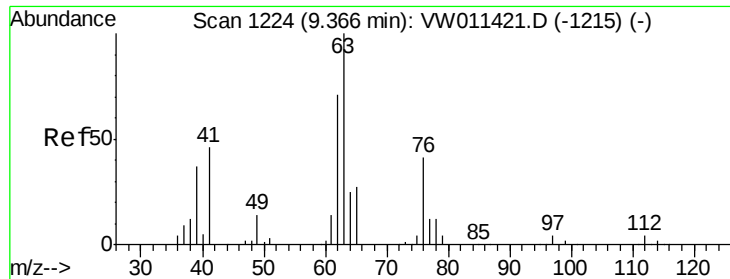
#36
 Methylcyclohexane
 Concen: 24.325 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW011432.D
 Acq: 22 Jul 2019 20:51

Tgt Ion: 83 Resp: 259925
 Ion Ratio Lower Upper
 83 100
 55 89.5 71.5 107.3
 98 47.0 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

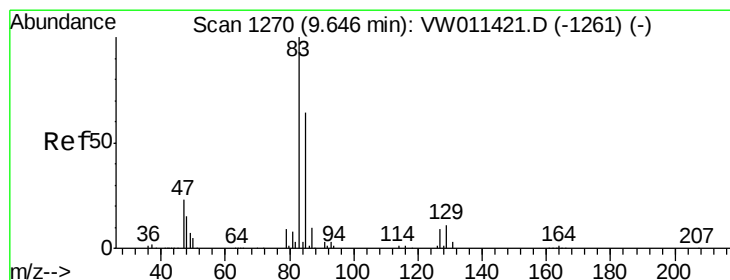
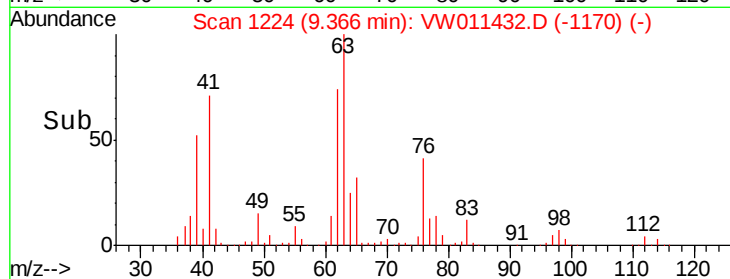
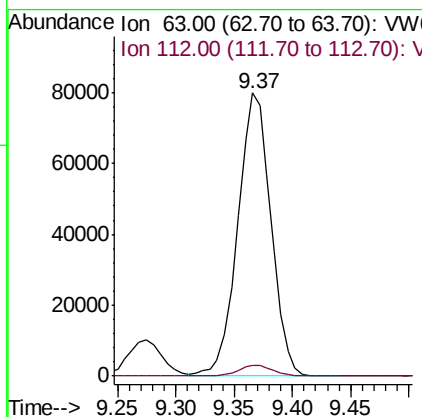
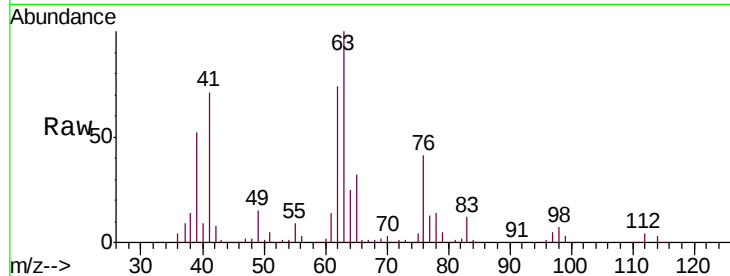




#40
 1,2-Dichloropropane
 Concen: 25.560 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011432.D
 Acq: 22 Jul 2019 20:51

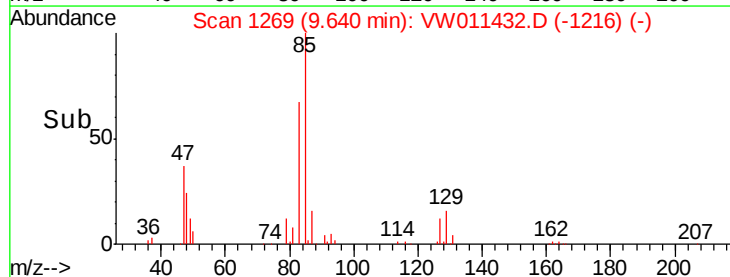
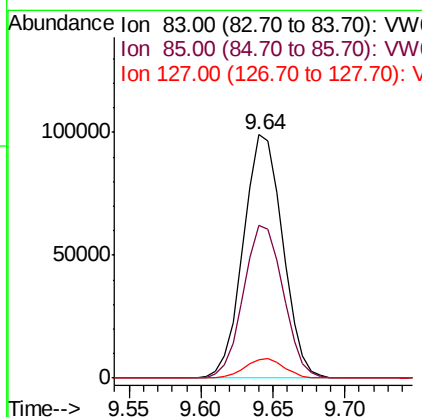
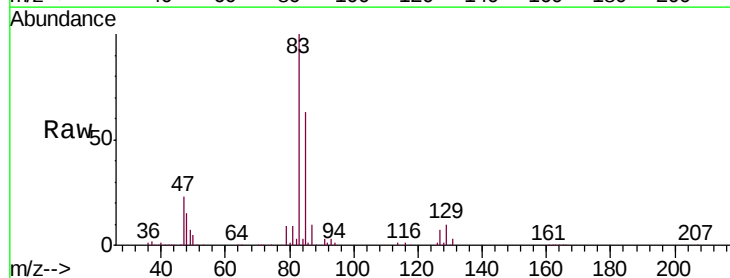
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

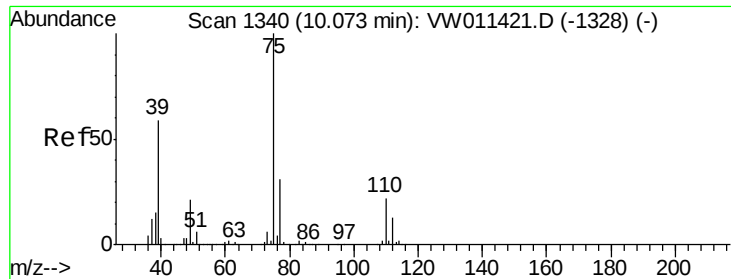
Tgt Ion: 63 Resp: 158771
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#41
 Bromodichloromethane
 Concen: 25.889 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW011432.D
 Acq: 22 Jul 2019 20:51

Tgt Ion: 83 Resp: 188023
 Ion Ratio Lower Upper
 83 100
 85 62.5 44.3 82.3
 127 7.3 6.6 9.8





#42

cis-1,3-Dichloropropene

Concen: 25.944 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

Instrument :

MSVOA_W

ClientSampled :

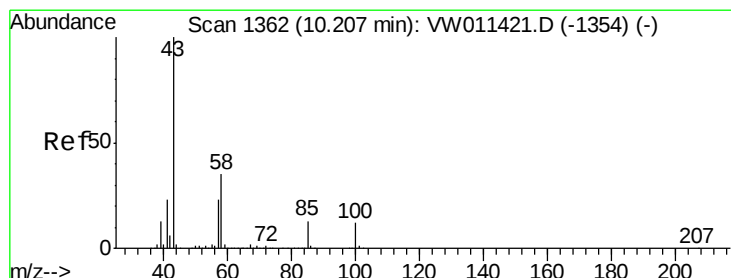
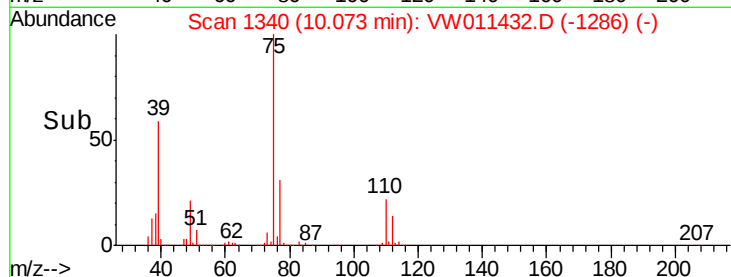
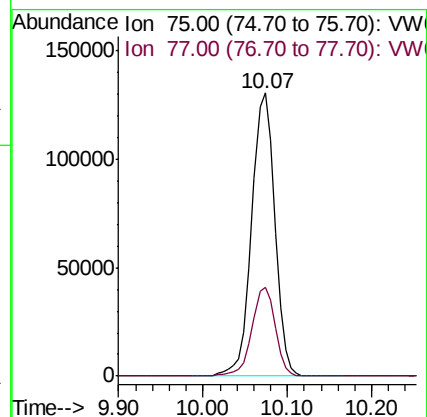
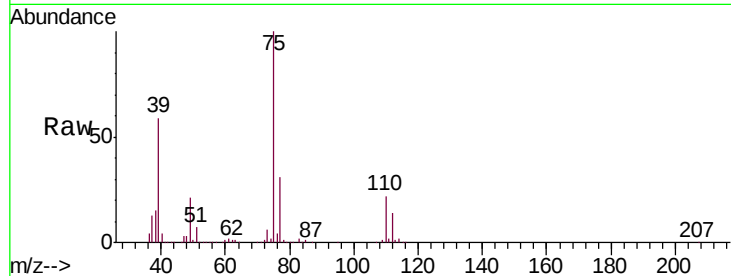
VSTD02516

Tgt Ion: 75 Resp: 242113

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 52.191 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

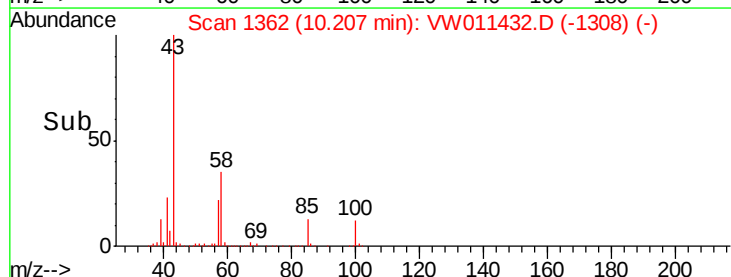
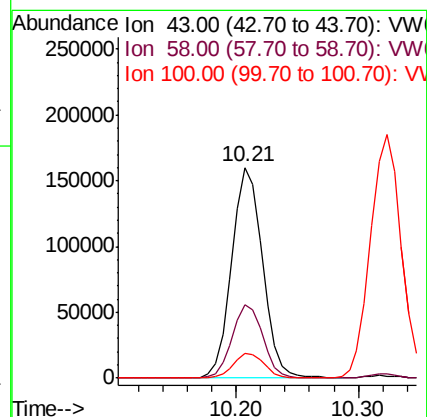
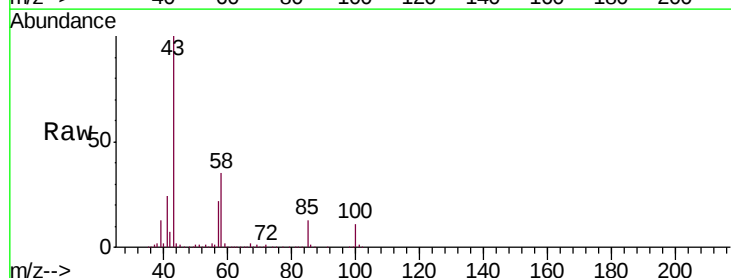
Tgt Ion: 43 Resp: 277539

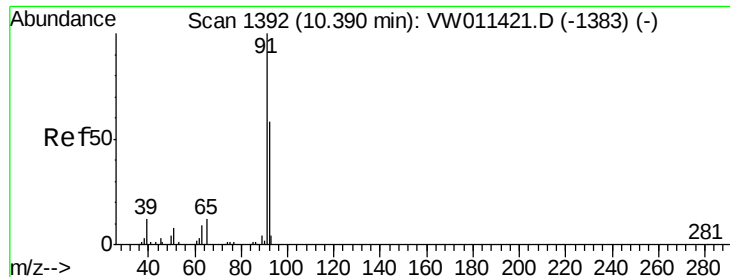
Ion Ratio Lower Upper

43 100

58 34.9 28.0 42.0

100 11.9 9.8 14.8





#44

Toluene

Concen: 25.214 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

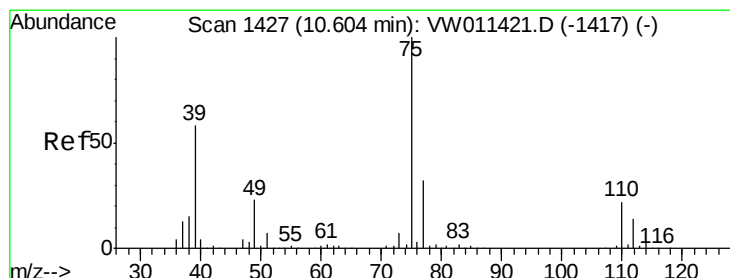
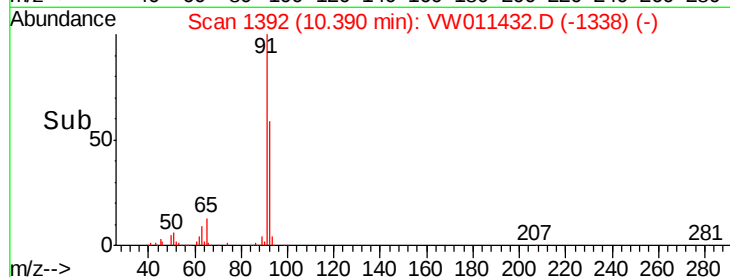
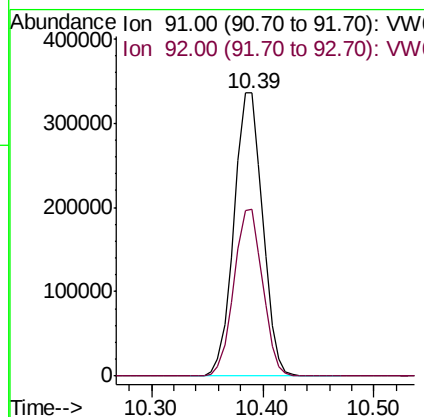
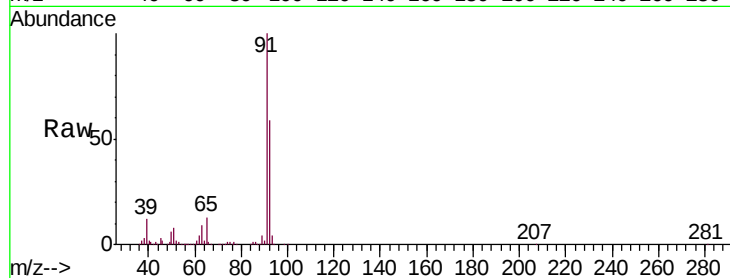
VSTD02516

Tgt Ion: 91 Resp: 597943

Ion Ratio Lower Upper

91 100

92 59.0 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 25.881 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011432.D

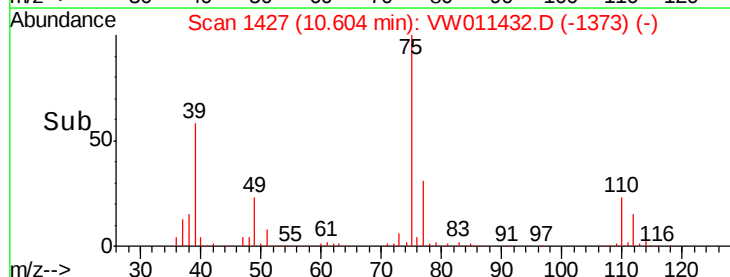
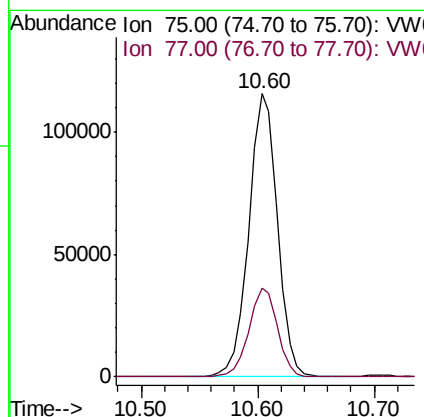
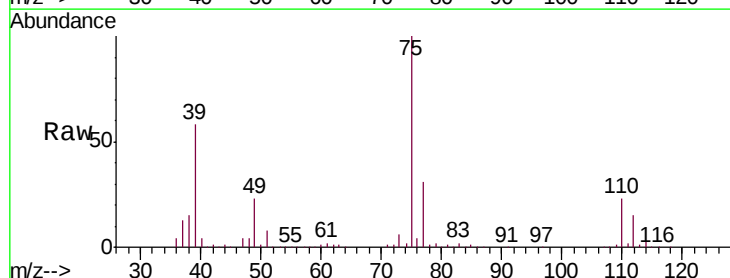
Acq: 22 Jul 2019 20:51

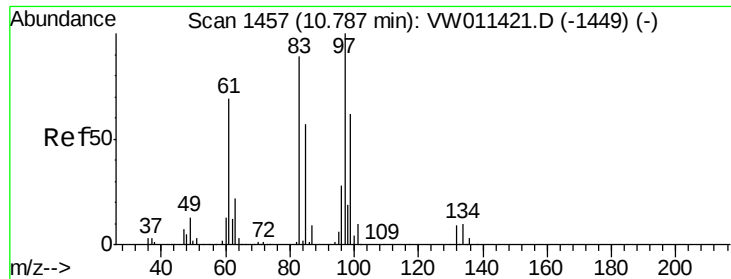
Tgt Ion: 75 Resp: 198497

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 25.951 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tgt Ion: 97 Resp: 107902

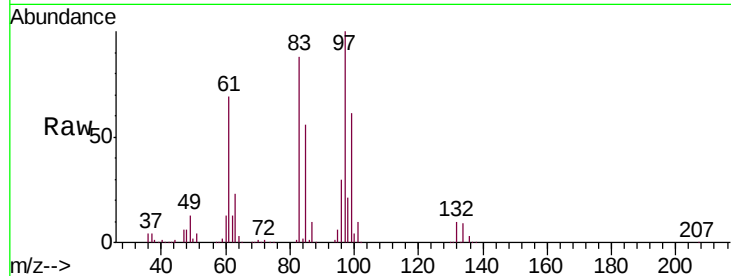
Ion Ratio Lower Upper

97 100

83 88.4 63.8 118.6

85 55.7 40.0 74.4

99 60.7 43.1 80.1

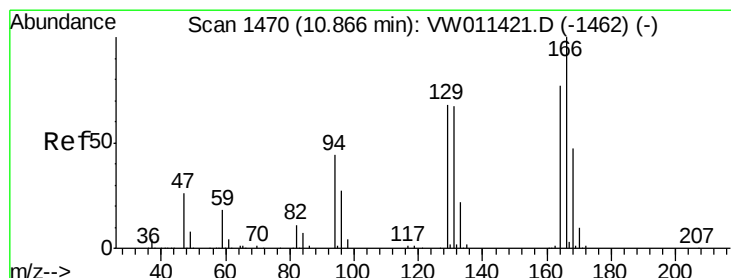
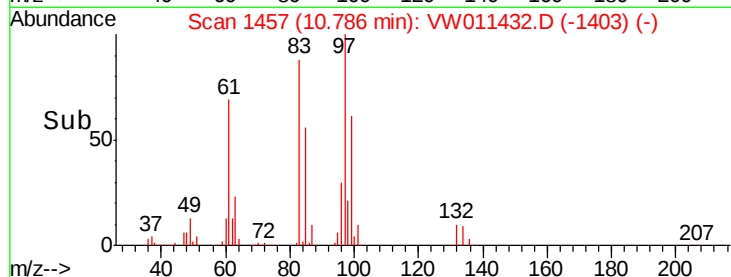
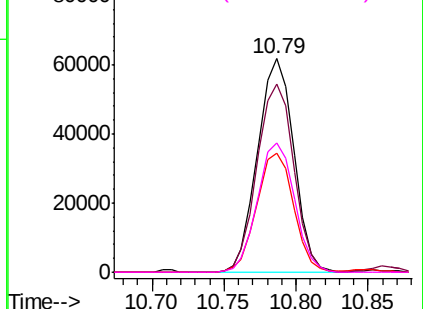


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 23.799 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

Tgt Ion: 164 Resp: 107295

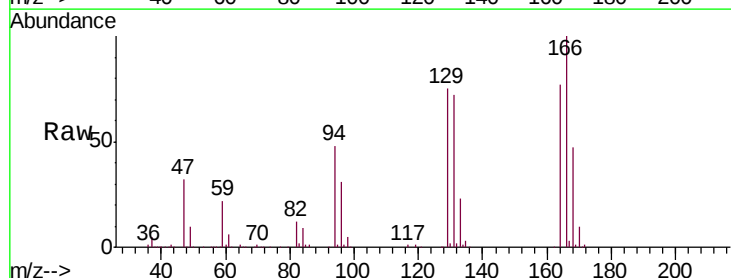
Ion Ratio Lower Upper

164 100

129 97.3 69.0 128.1

131 93.0 64.5 119.7

166 129.1 89.2 165.6

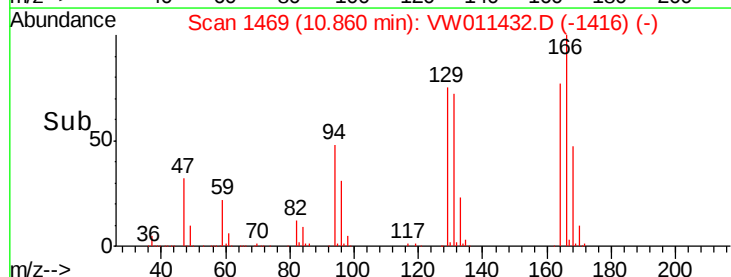
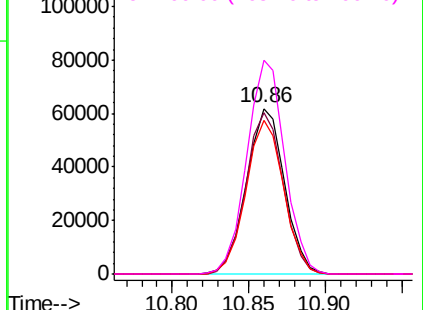


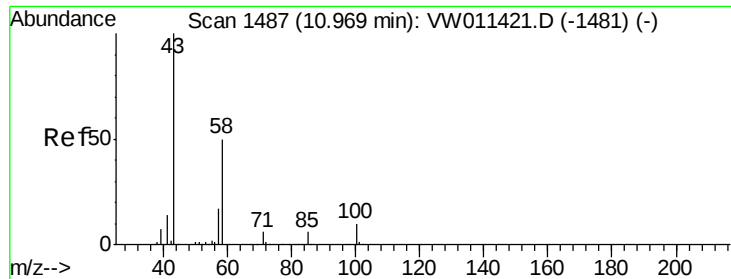
Abundance Ion 164.00 (163.70 to 164.70): V

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

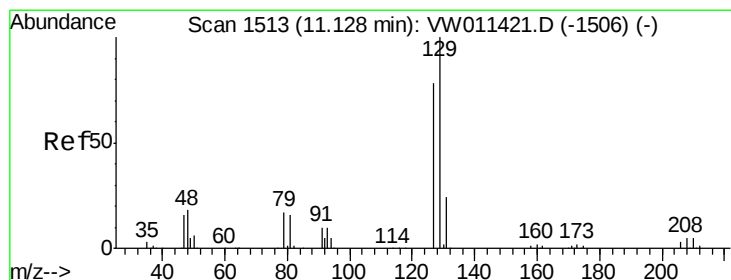
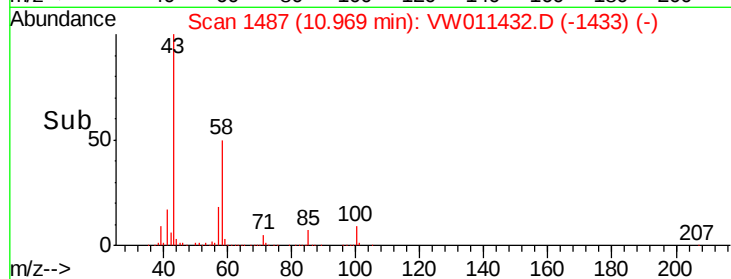
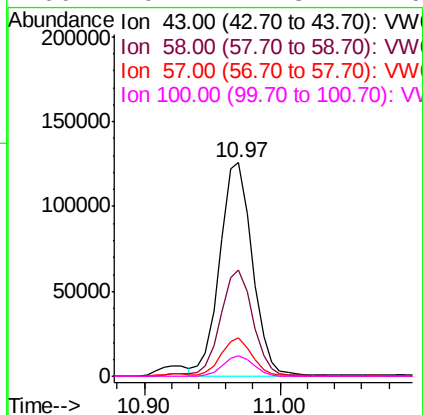
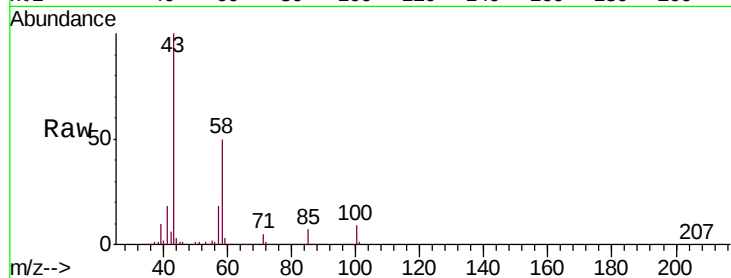




#49
2-Hexanone
Concen: 52.598 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011432.D
Acq: 22 Jul 2019 20:51

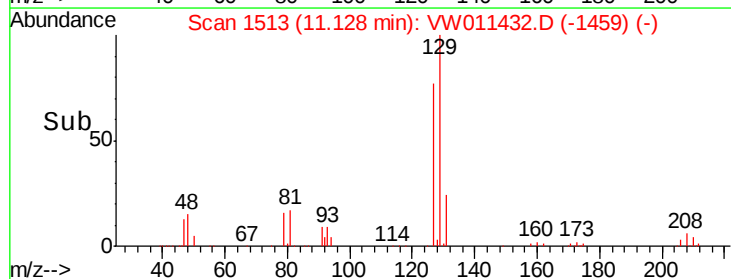
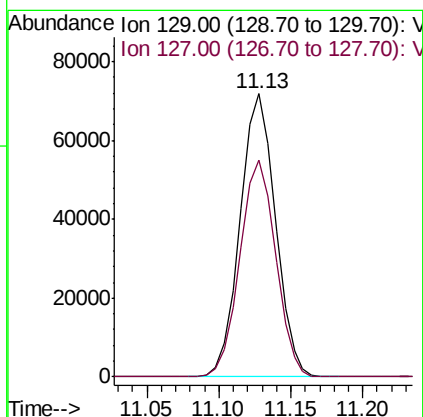
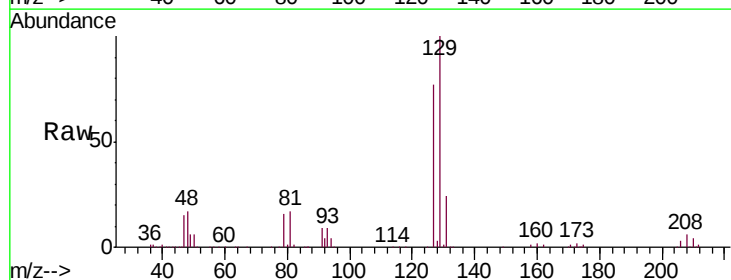
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

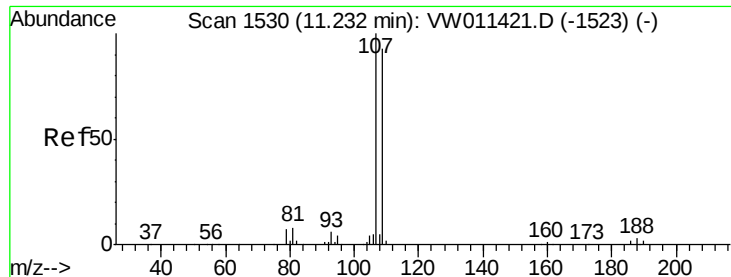
Tgt Ion:	43	Resp:	211131
Ion	Ratio	Lower	Upper
43	100		
58	49.1	40.1	60.1
57	17.5	13.8	20.6
100	9.2	7.8	11.6



#50
Dibromochloromethane
Concen: 26.602 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011432.D
Acq: 22 Jul 2019 20:51

Tgt Ion:	129	Resp:	122439
Ion	Ratio	Lower	Upper
129	100		
127	76.8	53.9	100.1





#51

1,2-Dibromoethane

Concen: 26.118 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

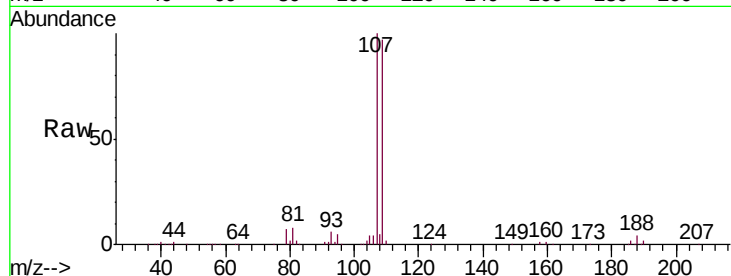
Tgt Ion:107 Resp: 105026

Ion Ratio Lower Upper

107 100

109 97.0 66.8 124.2

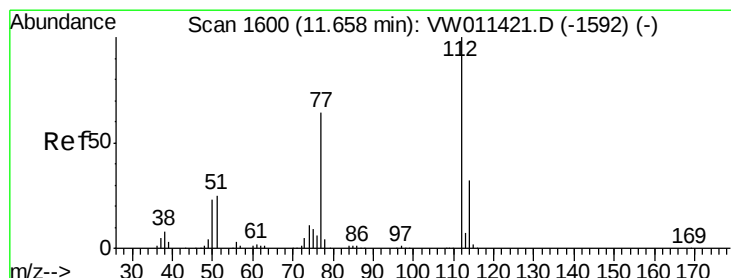
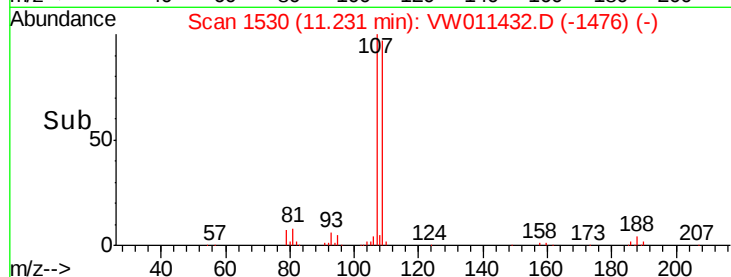
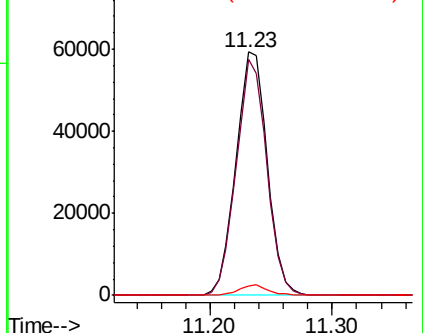
188 3.9 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.621 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

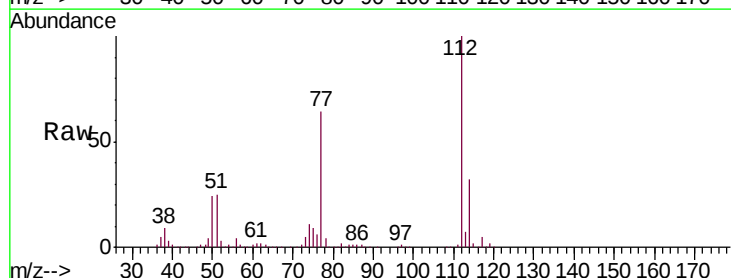
Tgt Ion:112 Resp: 366423

Ion Ratio Lower Upper

112 100

77 63.8 52.2 78.2

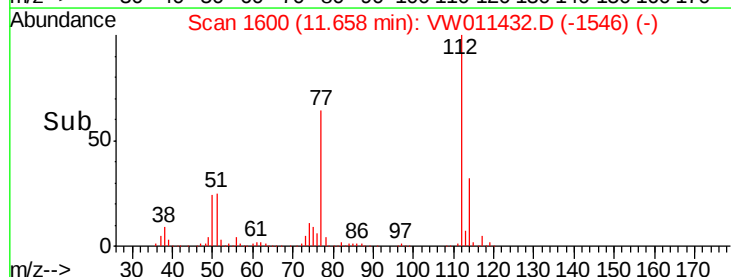
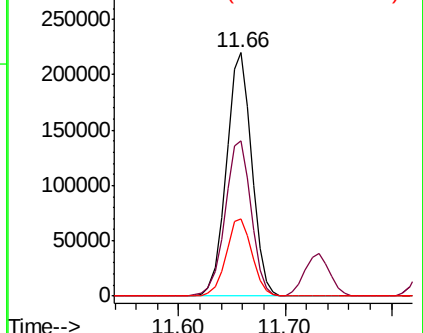
114 31.6 22.0 41.0

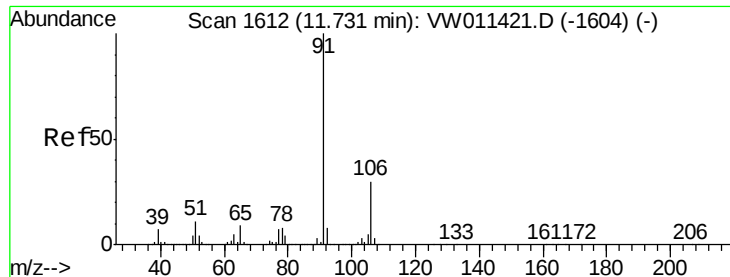


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.124 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

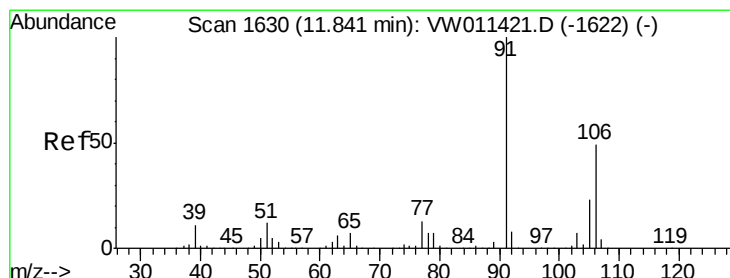
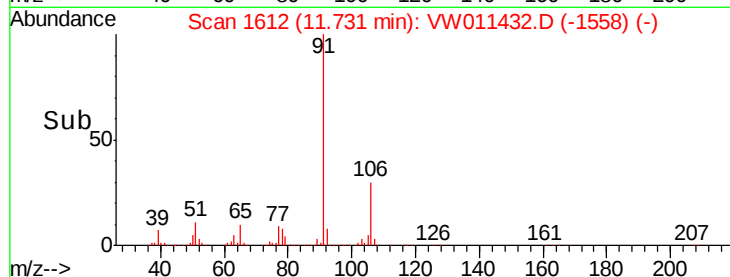
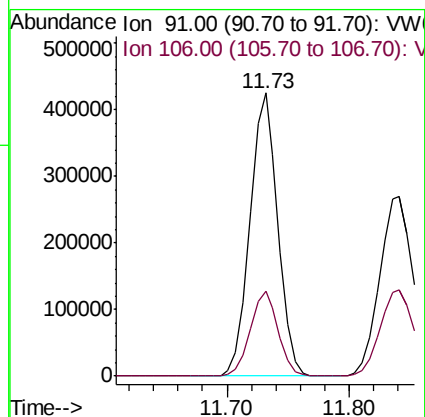
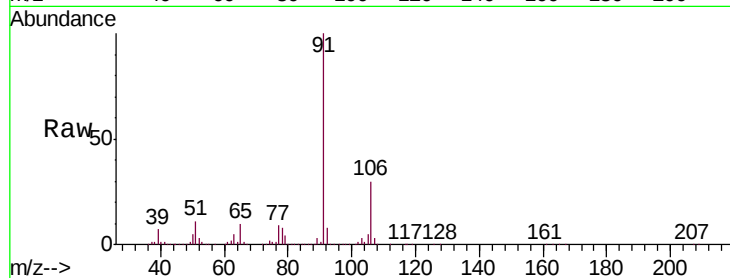
VSTD02516

Tgt Ion: 91 Resp: 670557

Ion Ratio Lower Upper

91 100

106 29.9 21.1 39.1



#54

m,p-Xylene

Concen: 25.296 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW011432.D

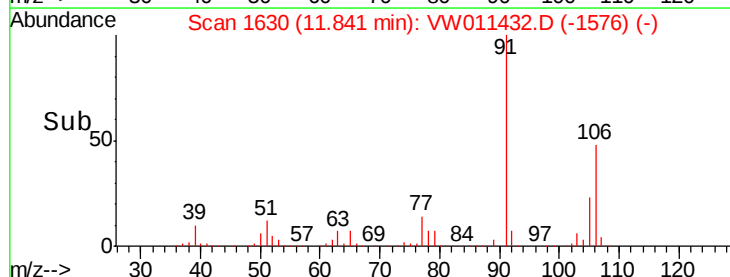
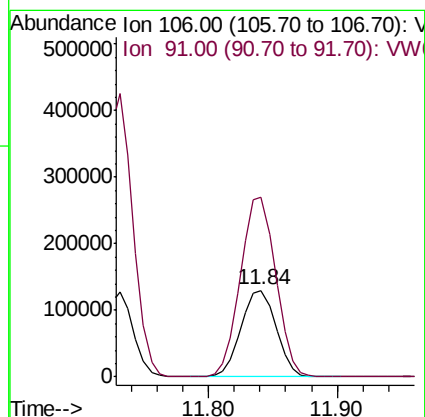
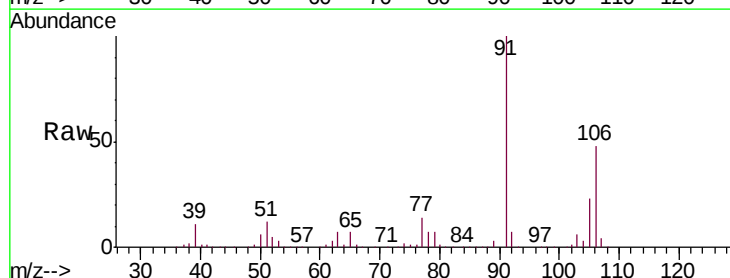
Acq: 22 Jul 2019 20:51

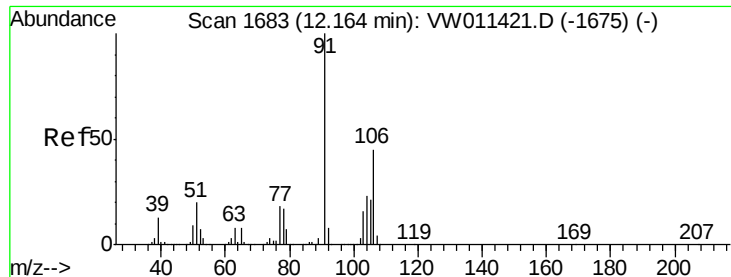
Tgt Ion: 106 Resp: 247260

Ion Ratio Lower Upper

106 100

91 207.2 143.7 266.9

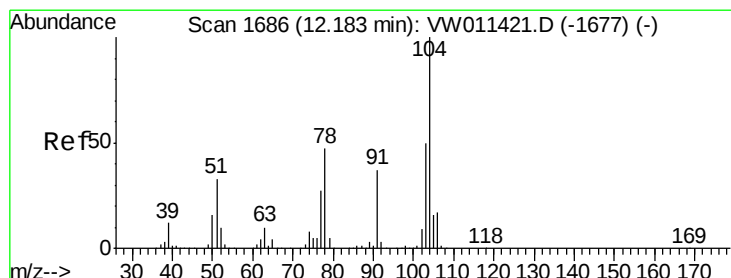
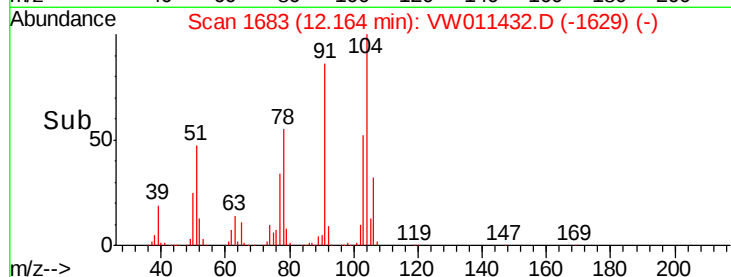
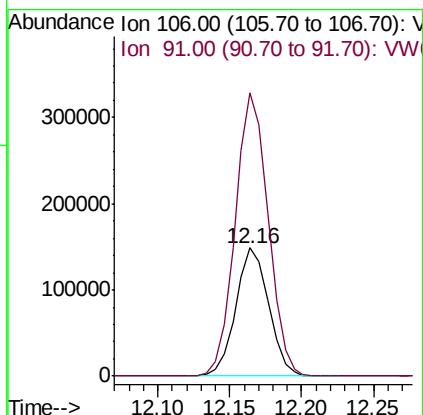
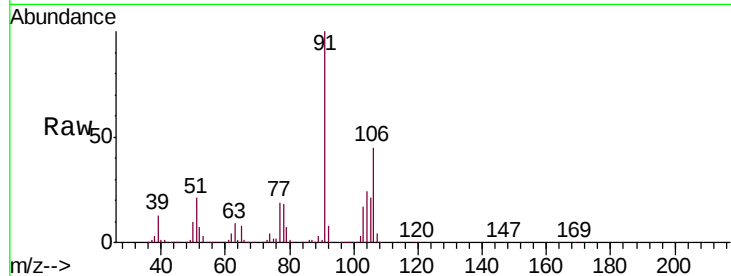




#55
o-xylene
Concen: 25.598 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011432.D
Acq: 22 Jul 2019 20:51

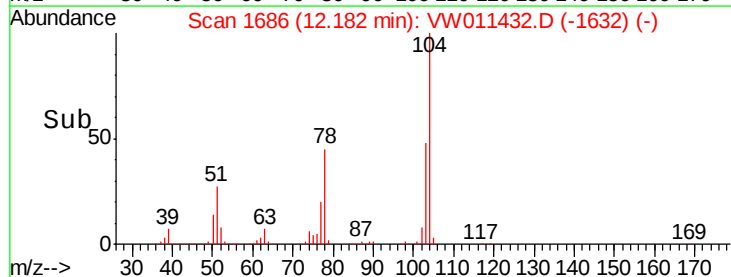
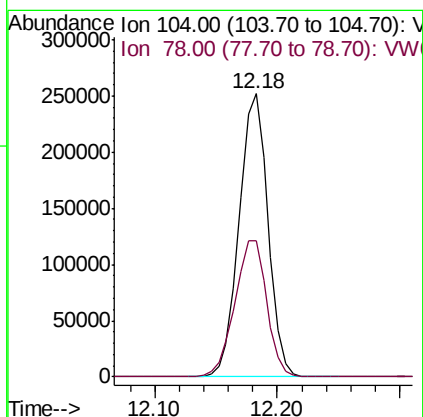
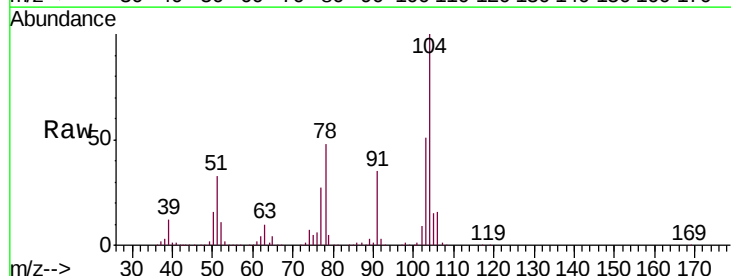
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

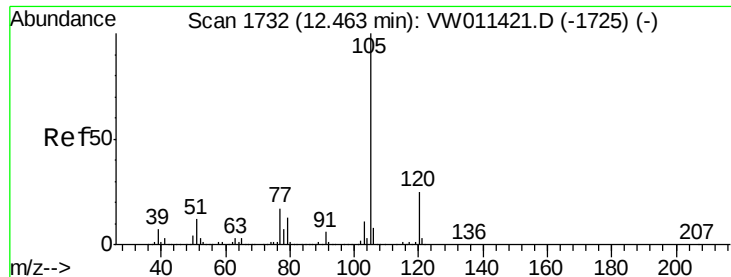
Tgt Ion:106 Resp: 235834
Ion Ratio Lower Upper
106 100
91 220.8 155.5 288.9



#56
Styrene
Concen: 26.581 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011432.D
Acq: 22 Jul 2019 20:51

Tgt Ion:104 Resp: 411958
Ion Ratio Lower Upper
104 100
78 48.0 33.5 62.1





#57

Isopropylbenzene

Concen: 25.193 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

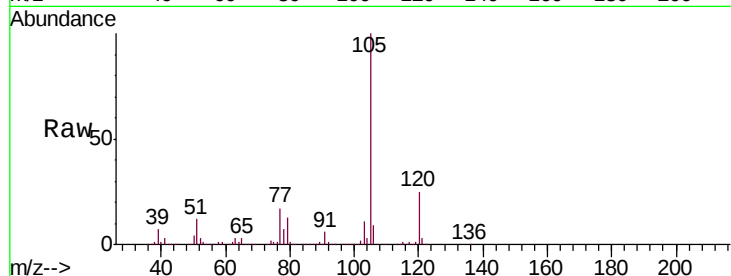
Tgt Ion: 105 Resp: 632193

Ion Ratio Lower Upper

105 100

120 25.8 20.5 30.7

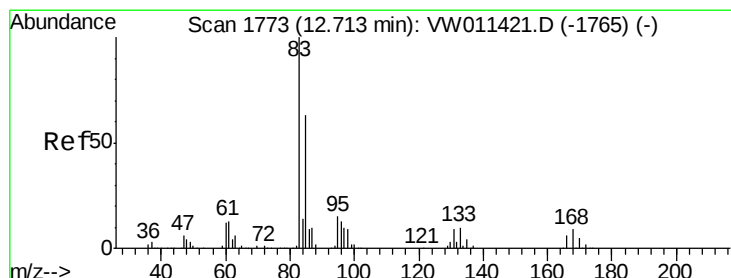
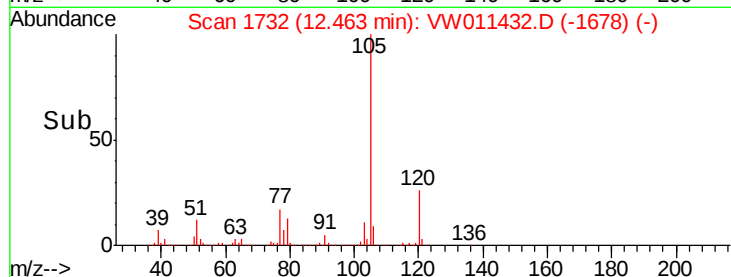
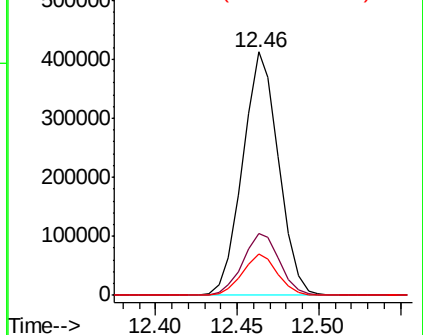
77 16.8 13.3 19.9



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: 26.399 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

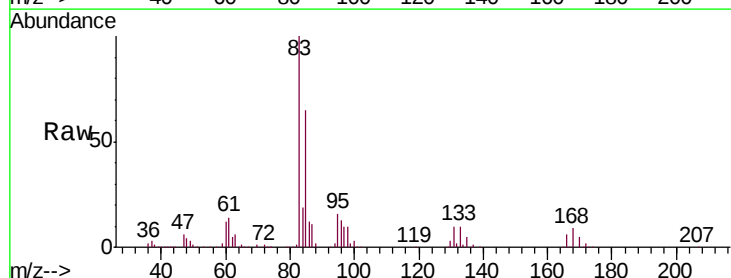
Tgt Ion: 83 Resp: 142588

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.9

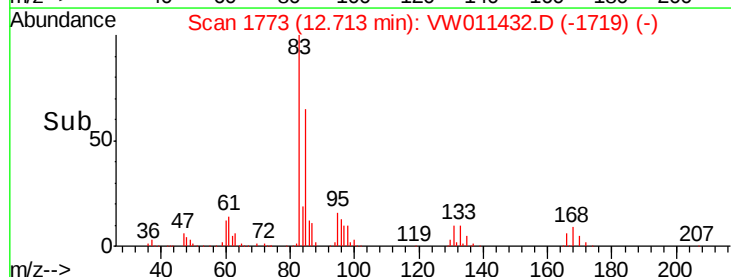
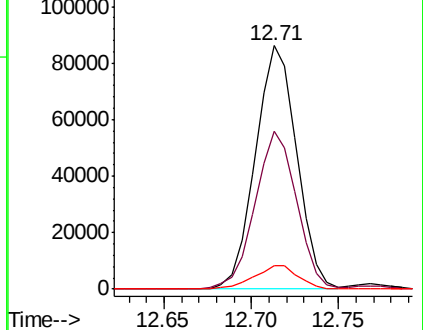
131 9.6 7.0 10.6

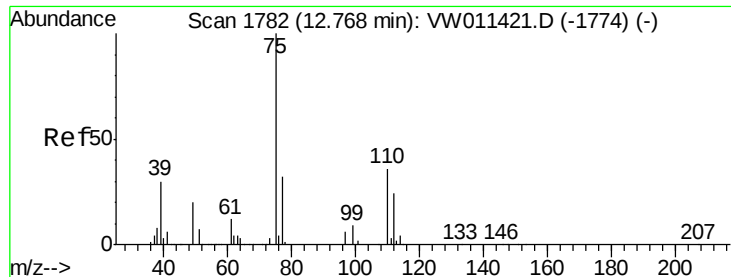


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.199 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

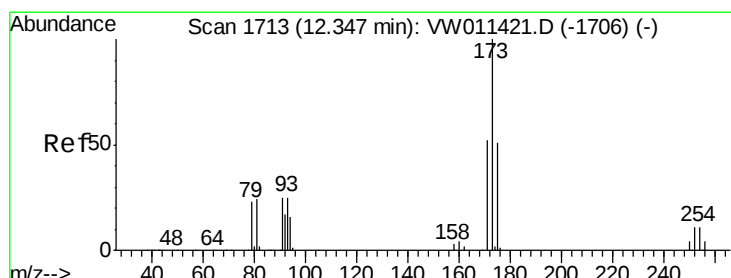
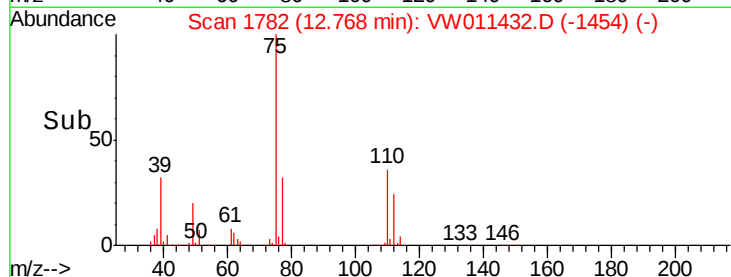
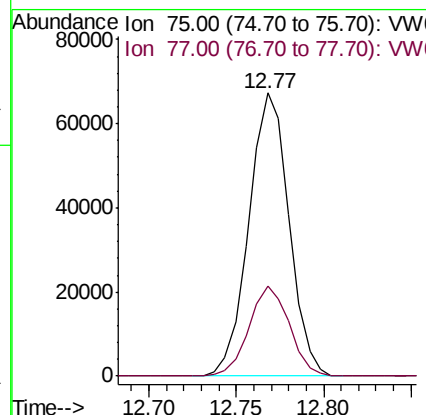
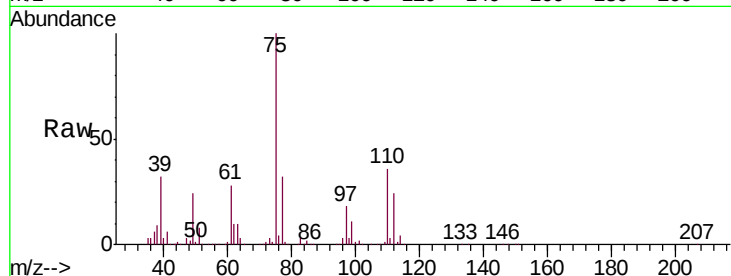
VSTD02516

Tgt Ion: 75 Resp: 108116

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8



#62

Bromoform

Concen: 25.261 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

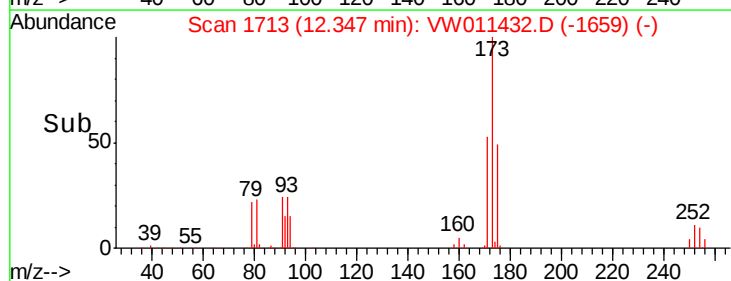
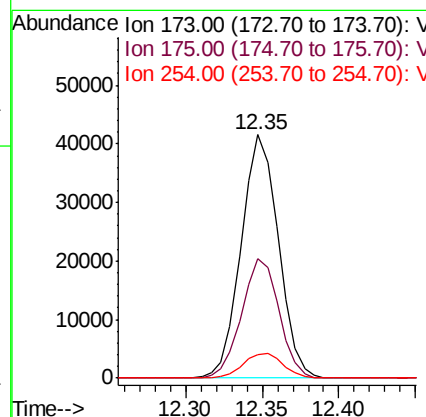
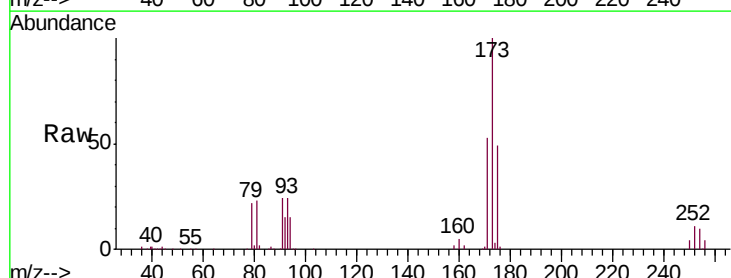
Tgt Ion: 173 Resp: 70454

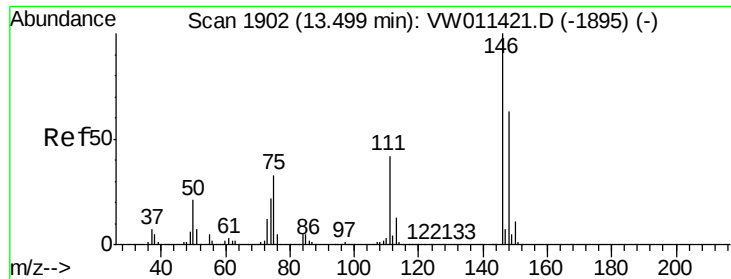
Ion Ratio Lower Upper

173 100

175 49.2 39.0 58.4

254 11.0 8.5 12.7

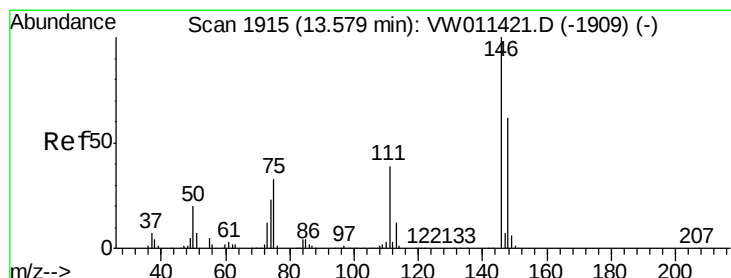
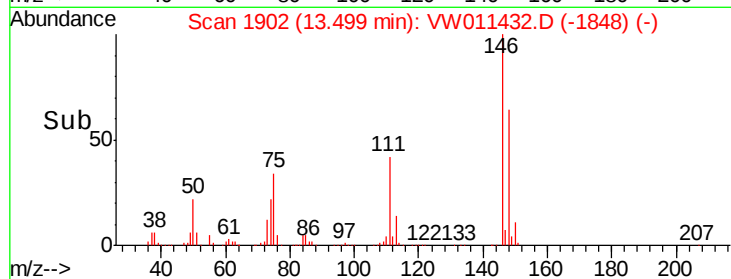
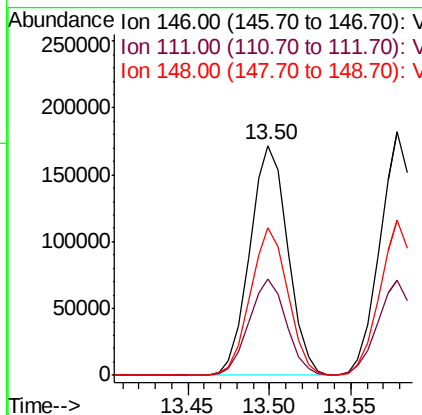
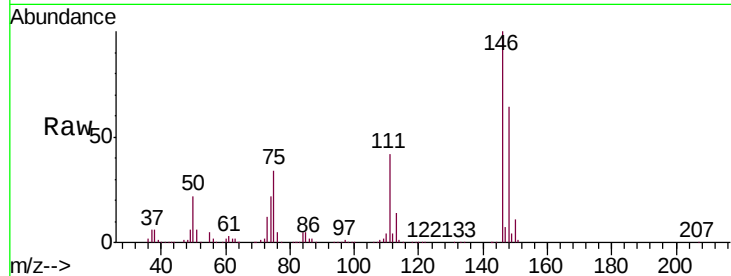




#63
 1,3-Dichlorobenzene
 Concen: 24.951 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011432.D
 Acq: 22 Jul 2019 20:51

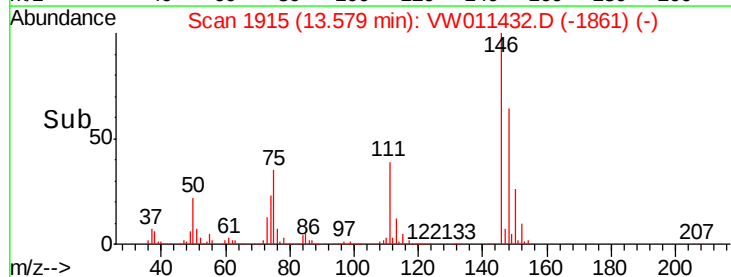
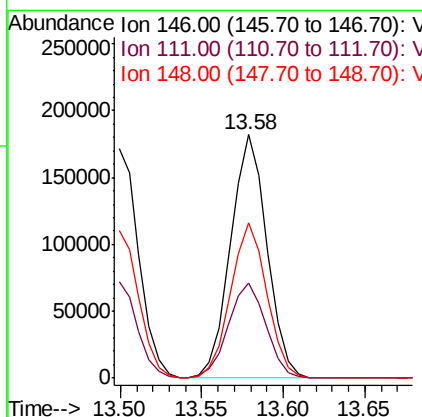
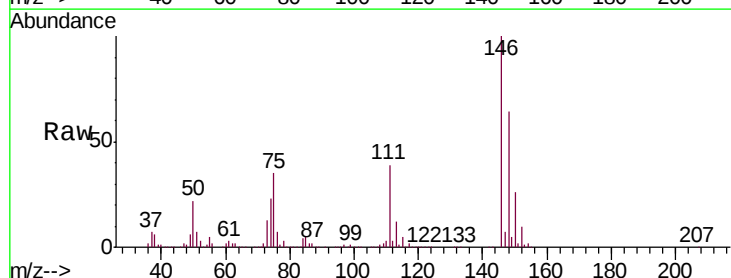
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

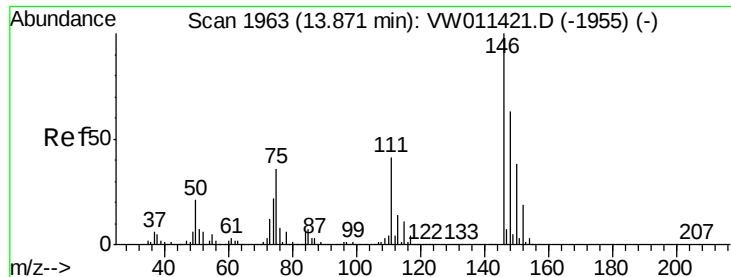
Tgt Ion:146 Resp: 278411
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.0 53.8
 148 64.1 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 24.825 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011432.D
 Acq: 22 Jul 2019 20:51

Tgt Ion:146 Resp: 281364
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.8 51.6
 148 63.5 44.9 83.5

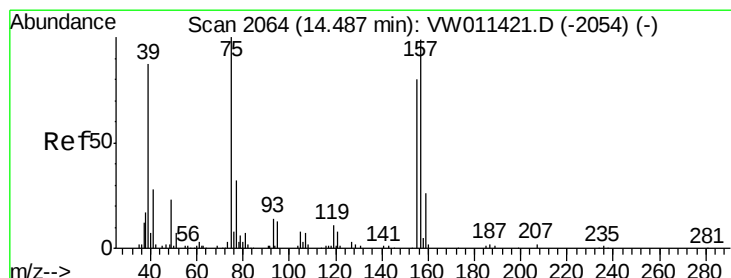
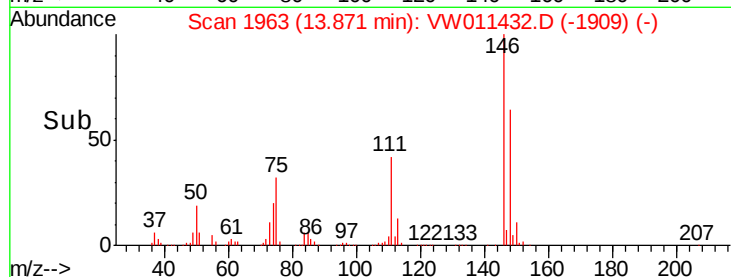
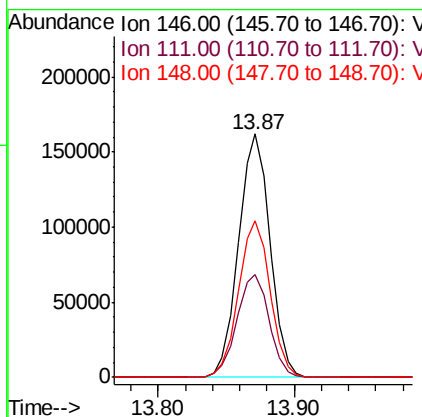
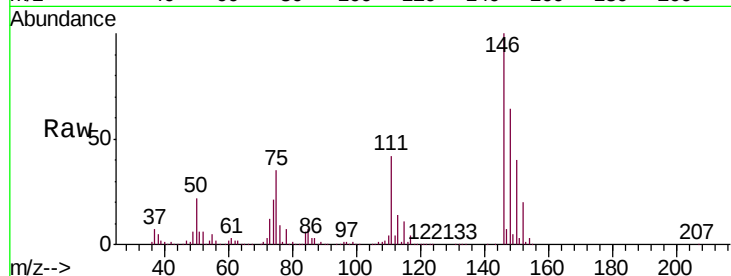




#65
 1,2-Dichlorobenzene
 Concen: 25.462 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011432.D
 Acq: 22 Jul 2019 20:51

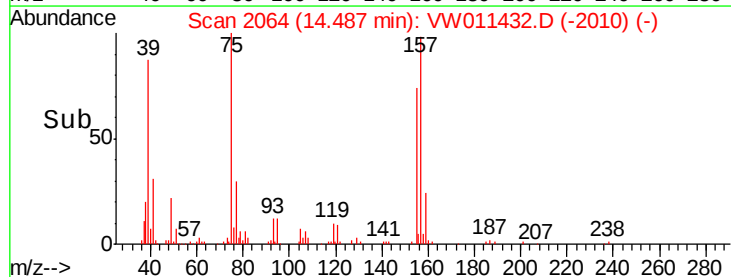
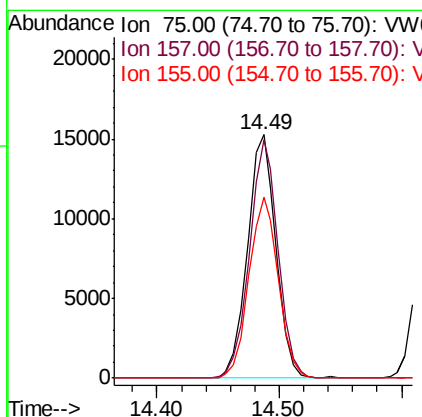
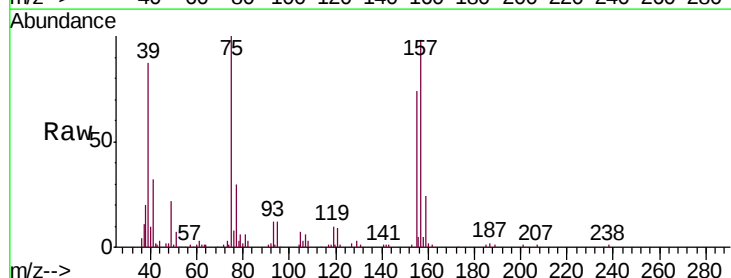
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02516

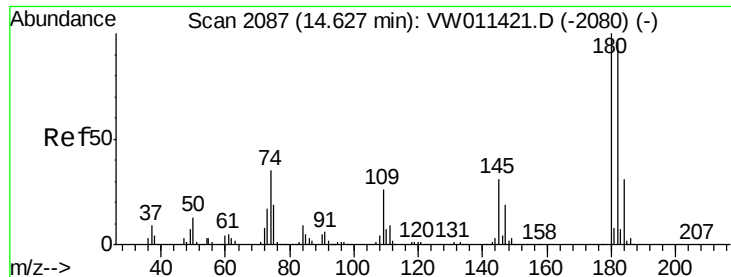
Tgt Ion: 146 Resp: 261429
 Ion Ratio Lower Upper
 146 100
 111 42.3 33.8 50.8
 148 64.2 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.150 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011432.D
 Acq: 22 Jul 2019 20:51

Tgt Ion: 75 Resp: 24613
 Ion Ratio Lower Upper
 75 100
 157 98.2 73.7 110.5
 155 74.1 61.0 91.6

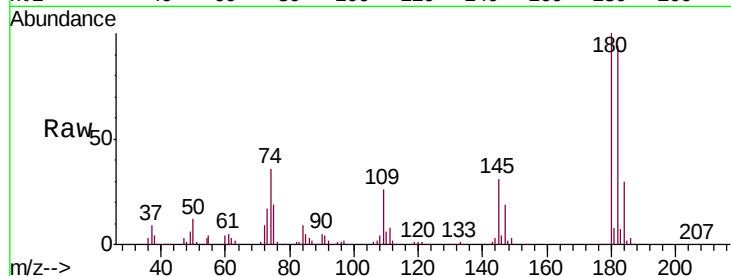




#67
 1,3,5-Trichlorobenzene
 Concen: 24.643 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW011432.D
 Acq: 22 Jul 2019 20:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
184	30.4	24.7	37.1
145	29.9	23.8	35.6



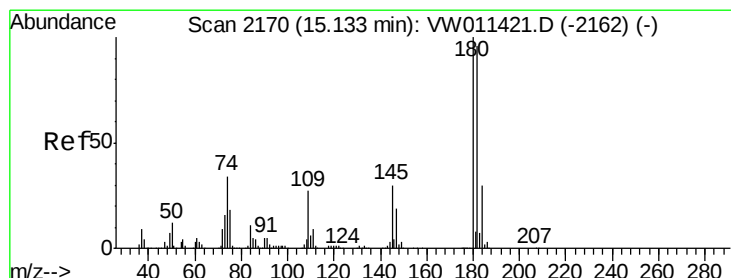
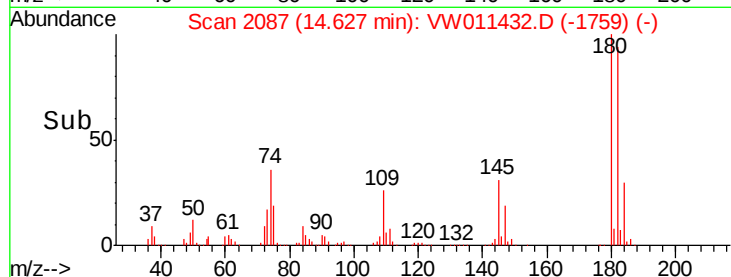
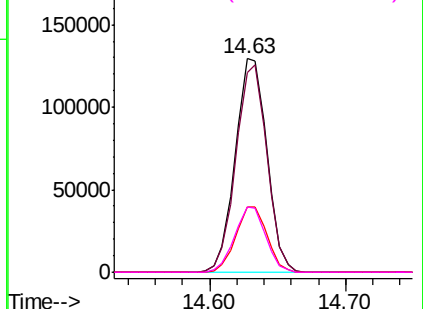
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

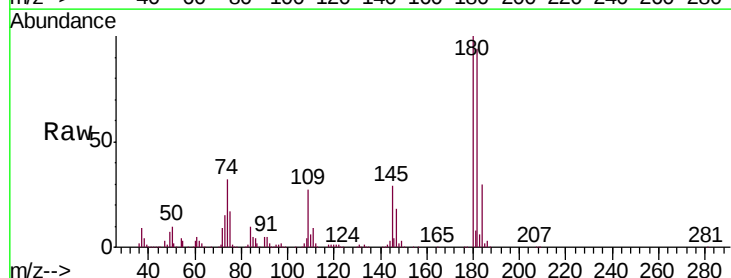
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.826 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011432.D
 Acq: 22 Jul 2019 20:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.4	114.6
145	30.2	24.2	36.2

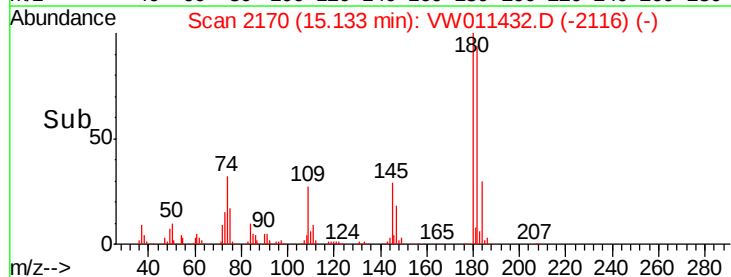
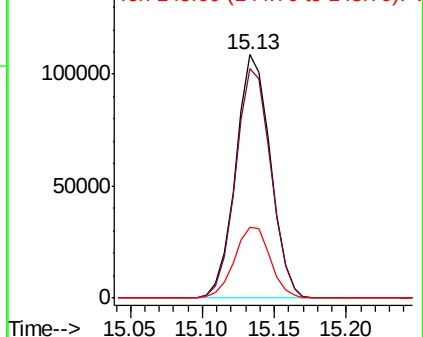


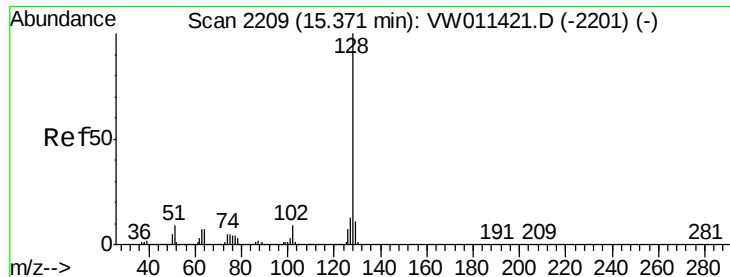
Abundance

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: 27.118 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

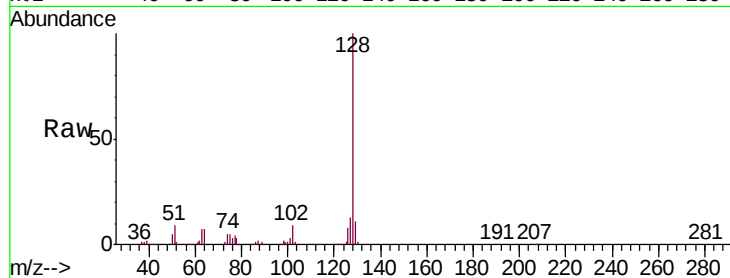
Tgt Ion:128 Resp: 389428

Ion Ratio Lower Upper

128 100

129 11.1 8.5 12.7

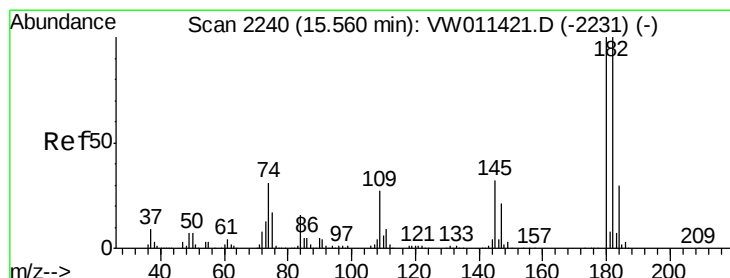
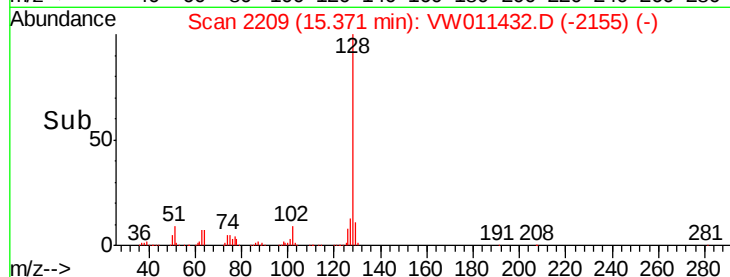
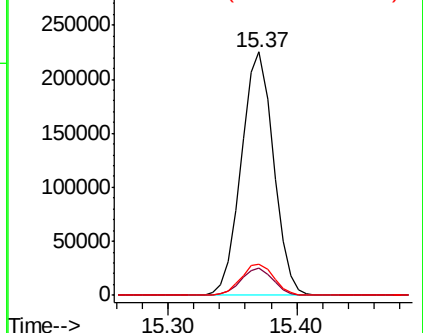
127 13.3 10.5 15.7



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: 26.152 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011432.D

Acq: 22 Jul 2019 20:51

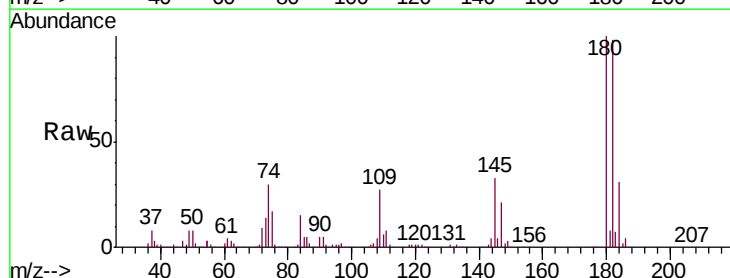
Tgt Ion:180 Resp: 167143

Ion Ratio Lower Upper

180 100

182 95.2 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

