

Data File : VW013971.D
Acq On : 11 Nov 2019 20:37
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

Quant Time: Nov 12 06:14:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 12 06:10:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	305145	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	302397	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	182315	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	104649	21.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.00%
7) Chloroethane-d5	2.89	69	86420	21.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.60%
10) 1,1-Dichloroethene-d2	4.03	63	215254	21.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.16%
20) 2-Butanone-d5	7.07	46	75179	53.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.30%
24) Chloroform-d	7.65	84	212804	22.68	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.72%
26) 1,2-Dichloroethane-d4	8.30	65	112345	23.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.28%
29) Benzene-d6	8.27	84	443613	20.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.72%
33) 1,2-Dichloropropane-d6	9.27	67	133961	21.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.24%
37) Toluene-d8	10.32	98	424086	20.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.36%
38) trans-1,3-Dichloropropene-	10.57	79	60587	22.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.04%
39) 2-Hexanone-d5	10.92	63	64426	54.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.12%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	118677	25.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	157967	21.57	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	74035	20.401 ug/L	99
3) Chloromethane	2.21	50	67405	20.911 ug/L	95
5) Vinyl chloride	2.37	62	117514	23.349 ug/L	98
6) Bromomethane	2.78	94	73006	23.429 ug/L	99
8) Chloroethane	2.92	64	70235	23.460 ug/L	100
9) Trichlorofluoromethane	3.25	101	56449	16.448 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	120846	23.847 ug/L	100
12) 1,1-Dichloroethene	4.04	96	123478	23.971 ug/L	95
13) Acetone	4.12	43	58213	40.447 ug/L	99
14) Carbon disulfide	4.38	76	350960	23.938 ug/L	100
15) Methyl Acetate	4.67	43	69486	29.840 ug/L	99
16) Methylene chloride	4.92	84	133787	22.774 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	168142	25.301 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	129468	24.102 ug/L	99
19) 1,1-Dichloroethane	6.21	63	222180	24.555 ug/L	99
21) 2-Butanone	7.16	43	97133	52.532 ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	141250	24.988 ug/L	98

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65820	26.526	ug/L	95
25) Chloroform	7.67	83	225023	25.325	ug/L	99
27) 1,2-Dichloroethane	8.40	62	146801	27.289	ug/L	97
30) Cyclohexane	7.96	56	215278	22.246	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	168681	22.258	ug/L	99
32) Carbon tetrachloride	8.07	117	164141	22.563	ug/L	99
34) Benzene	8.32	78	516572	23.289	ug/L	100
35) Trichloroethene	9.09	95	133280	22.526	ug/L	100
36) Methylcyclohexane	9.34	83	235809	22.228	ug/L	100
40) 1,2-Dichloropropane	9.37	63	128973	24.154	ug/L	99
41) Bromodichloromethane	9.64	83	162744	25.212	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	205792	24.423	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	197058	55.896	ug/L	100
44) Toluene	10.38	91	569952	23.568	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	170992	25.661	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	102769	26.195	ug/L	96
47) Tetrachloroethene	10.86	164	121432	23.026	ug/L	93
49) 2-Hexanone	10.96	43	136741	53.799	ug/L	97
50) Dibromochloromethane	11.13	129	122175	26.494	ug/L	99
51) 1,2-Dibromoethane	11.23	107	101454	26.653	ug/L	100
52) Chlorobenzene	11.65	112	364824	24.064	ug/L	96
53) Ethylbenzene	11.73	91	622780	23.468	ug/L	100
54) m,p-Xylene	11.83	106	246874	23.938	ug/L	100
55) o-xylene	12.16	106	234592	24.291	ug/L	95
56) Styrene	12.18	104	406828	24.937	ug/L	100
57) Isopropylbenzene	12.46	105	630154	23.732	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	129255	28.219	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	94949	27.562	ug/L	99
62) Bromoform	12.35	173	80431	26.920	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	297671	23.253	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	300310	23.744	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	280525	24.747	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.48	75	21517	27.872	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	234966	24.084	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	192621	25.110	ug/L	98
69) Naphthalene	15.36	128	379927	27.878	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	175633	25.943	ug/L	98

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

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Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

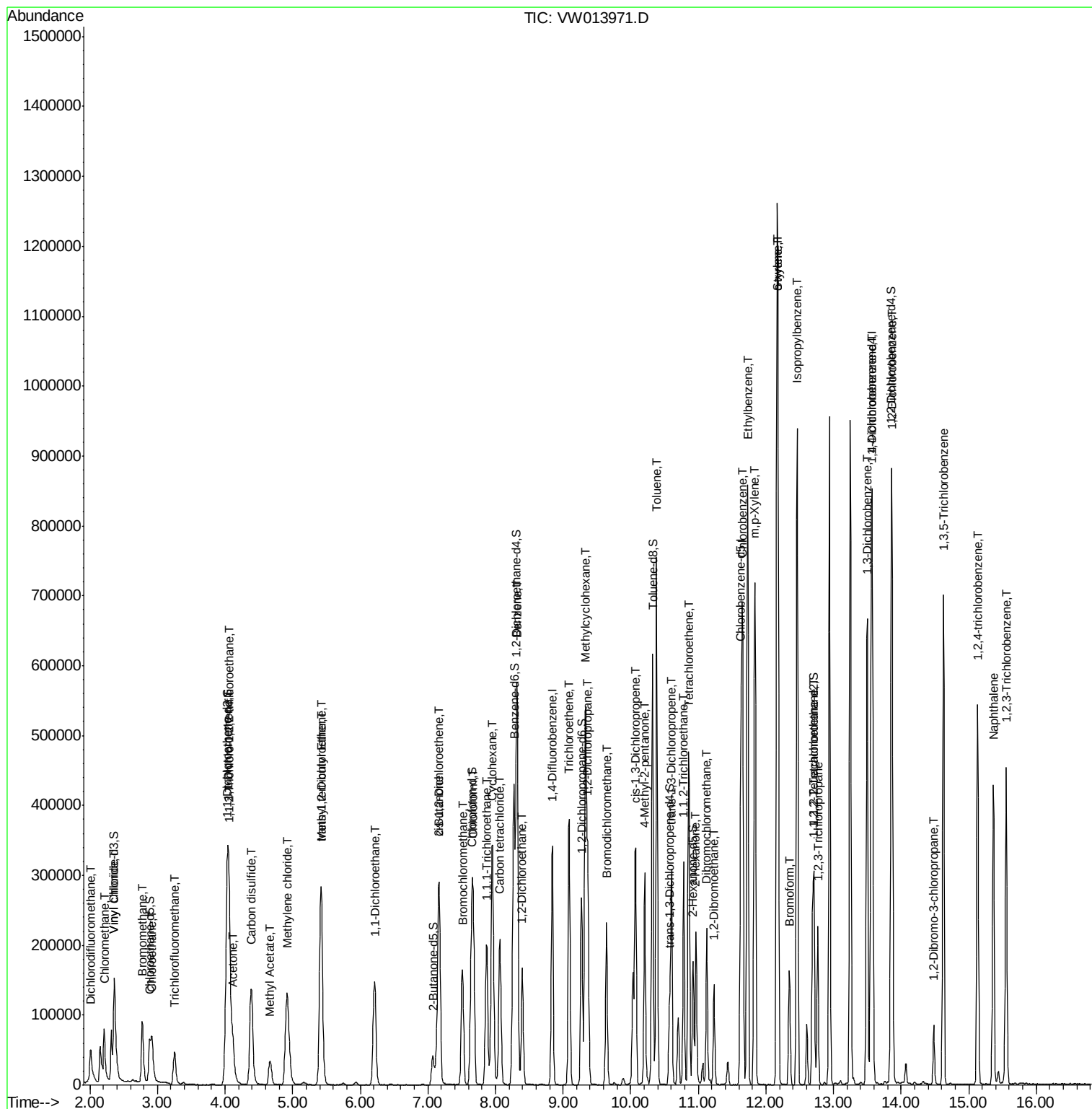
Quant Time: Nov 12 06:14:30 2019

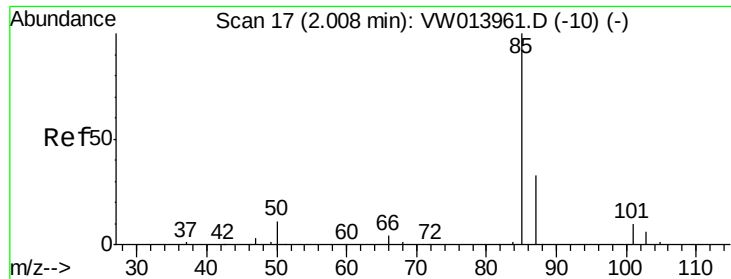
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_W\METHOD\SOM2WLM111119S.M

Quant Title : VOC Analysis

QLast Update : Tue Nov 12 06:10:10 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 20.401 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

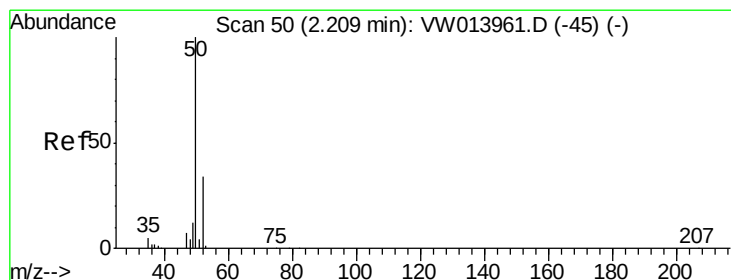
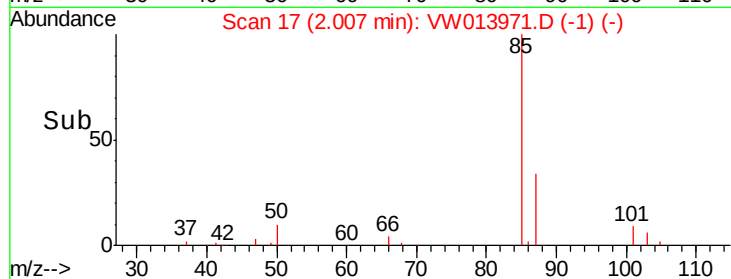
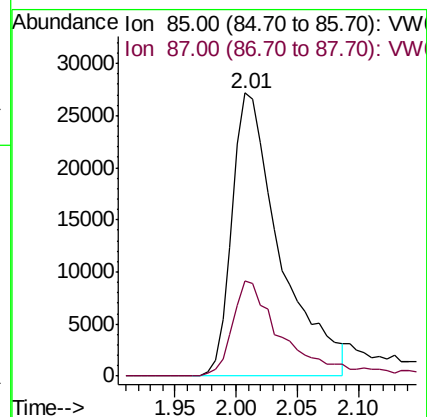
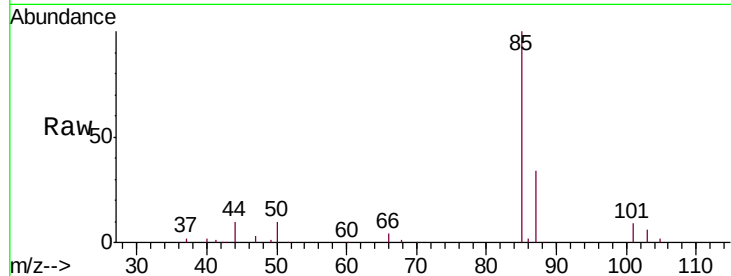
VSTD02524

Tgt Ion: 85 Resp: 74035

Ion Ratio Lower Upper

85 100

87 32.0 22.1 41.1



#3

Chloromethane

Concen: 20.911 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013971.D

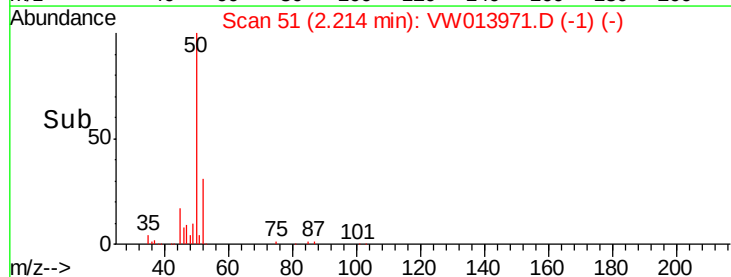
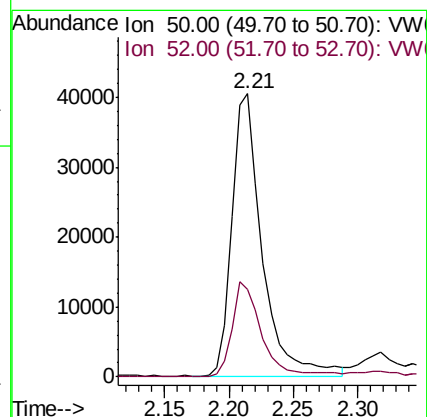
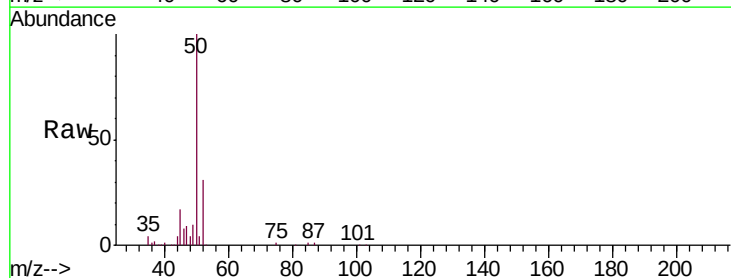
Acq: 11 Nov 2019 20:37

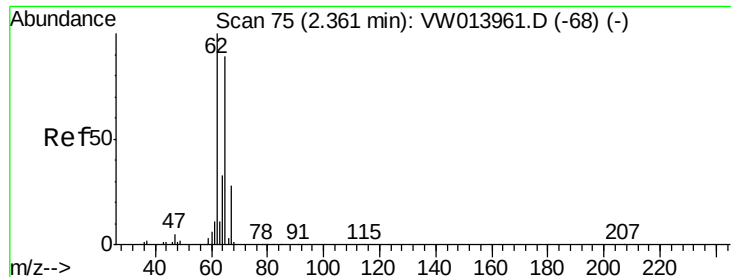
Tgt Ion: 50 Resp: 67405

Ion Ratio Lower Upper

50 100

52 31.0 23.8 44.2





#5

Vinyl chloride

Concen: 23.349 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

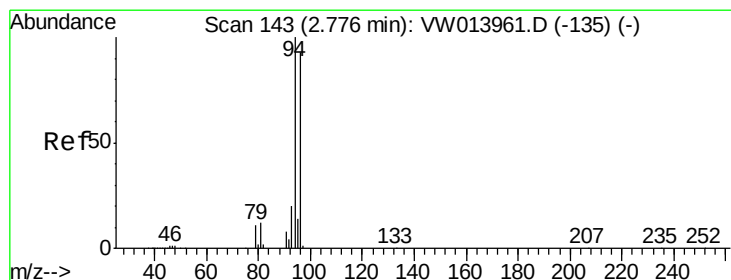
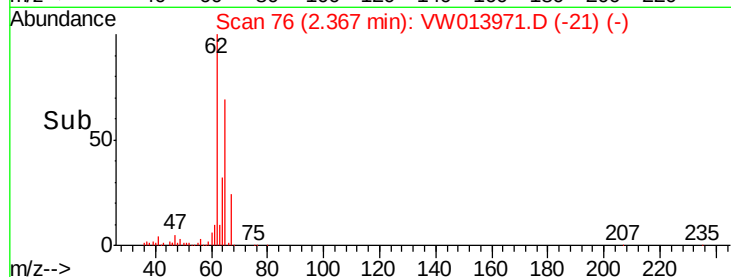
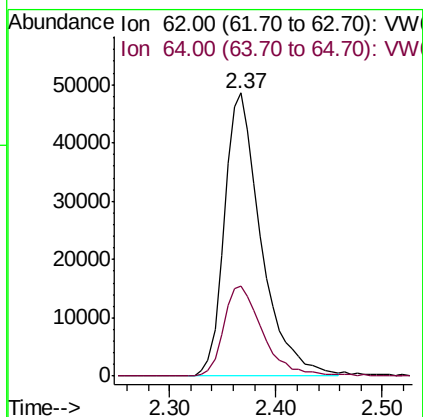
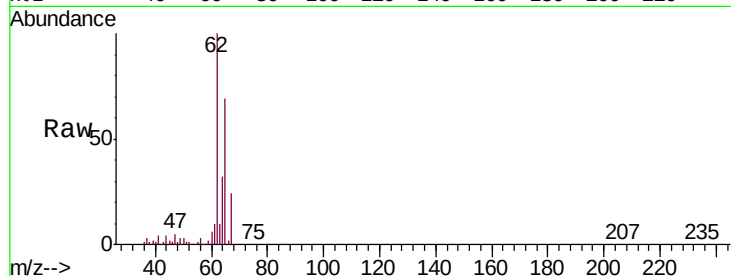
VSTD02524

Tgt Ion: 62 Resp: 117514

Ion Ratio Lower Upper

62 100

64 32.0 21.8 40.4



#6

Bromomethane

Concen: 23.429 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013971.D

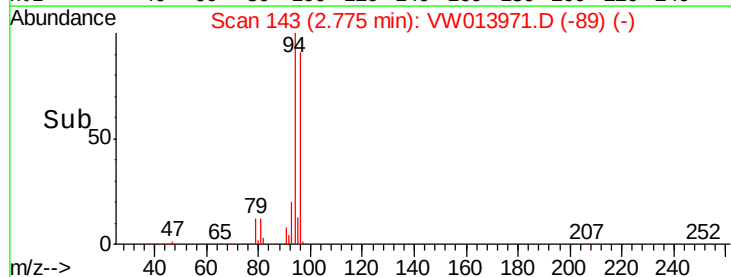
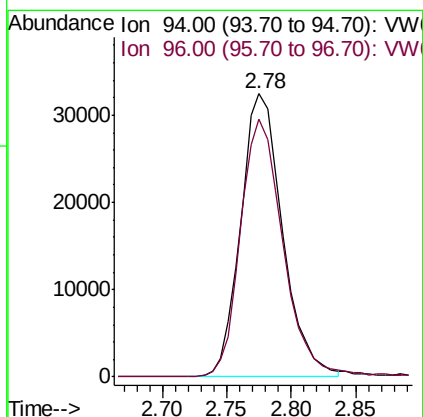
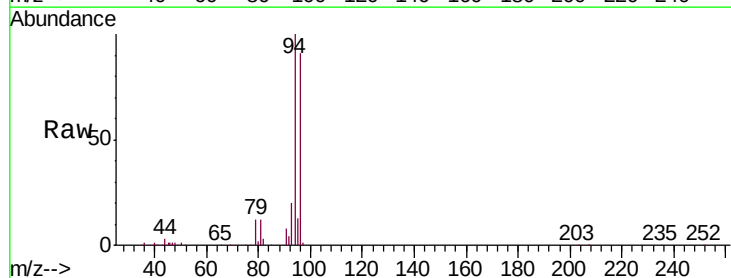
Acq: 11 Nov 2019 20:37

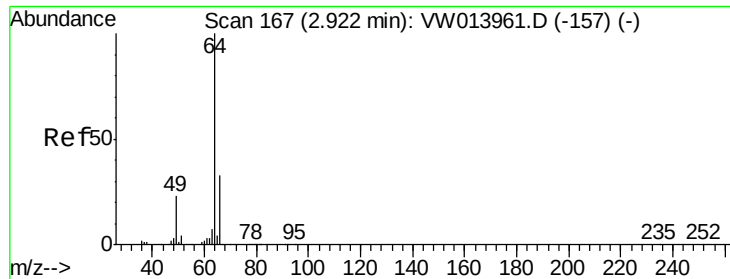
Tgt Ion: 94 Resp: 73006

Ion Ratio Lower Upper

94 100

96 92.8 9.4 178.8

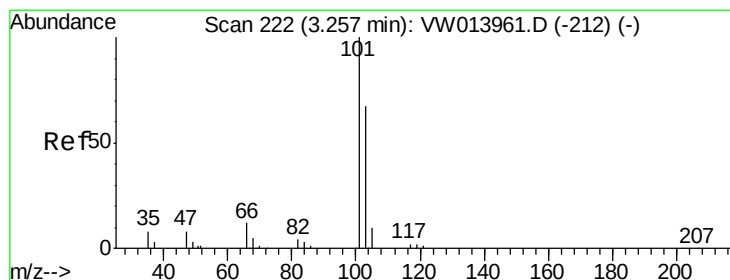
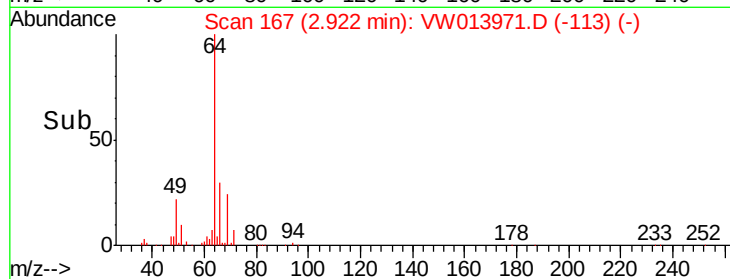
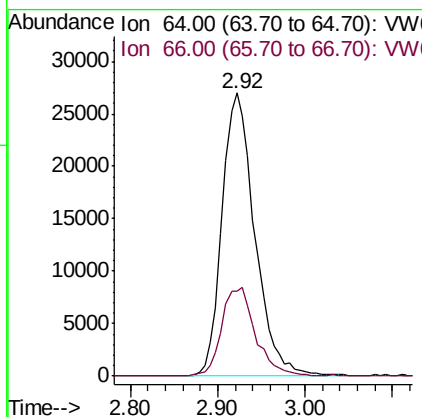
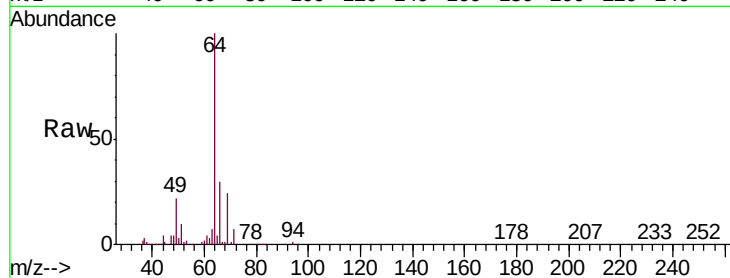




#8
Chloroethane
Concen: 23.460 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.00 min
Lab File: VW013971.D
Acq: 11 Nov 2019 20:37

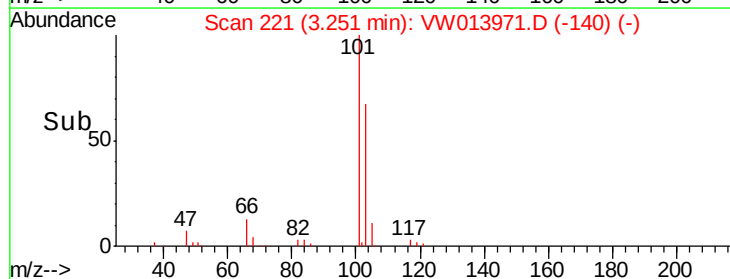
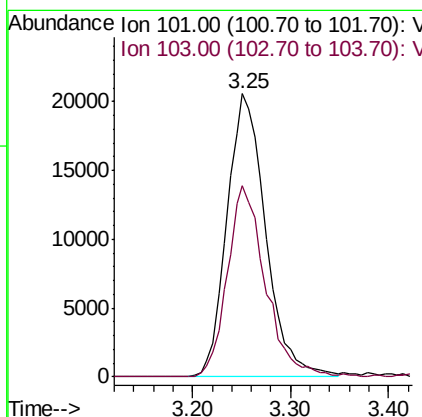
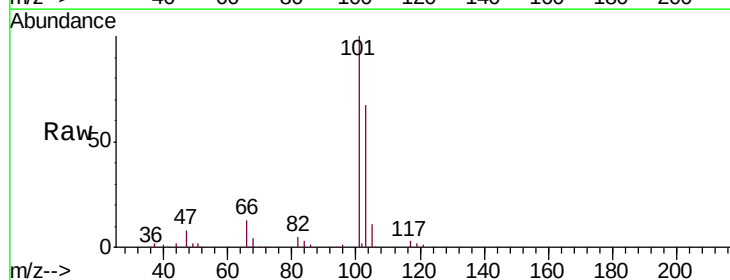
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

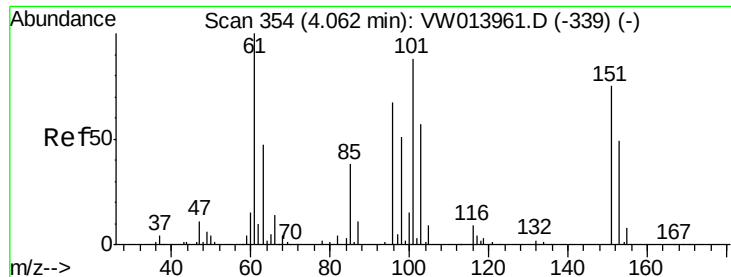
Tgt Ion: 64 Resp: 70235
Ion Ratio Lower Upper
64 100
66 30.2 21.2 39.4



#9
Trichlorofluoromethane
Concen: 16.448 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW013971.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 101 Resp: 56449
Ion Ratio Lower Upper
101 100
103 66.1 45.4 84.2





#11

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

Concen: 23.847 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

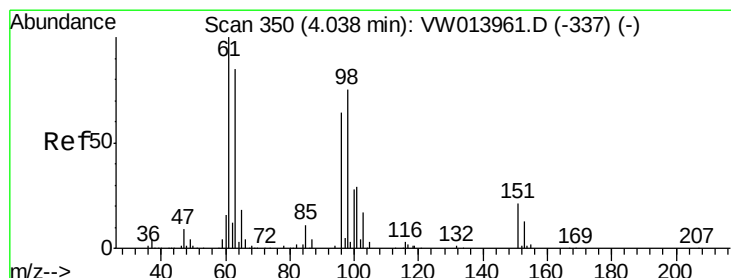
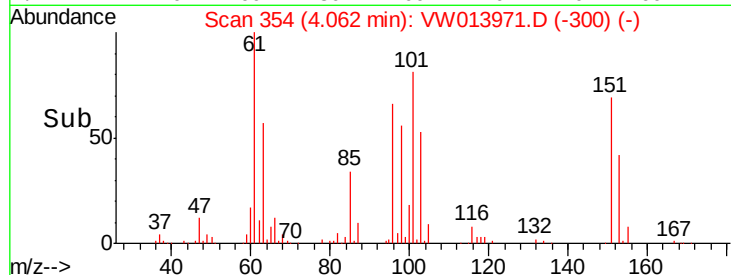
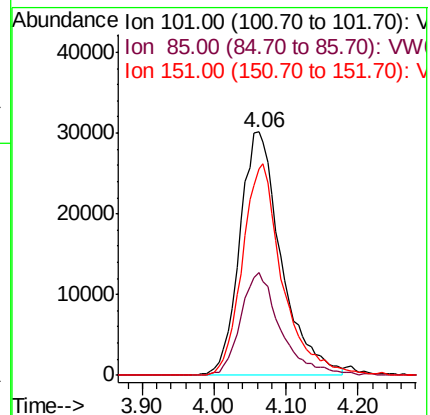
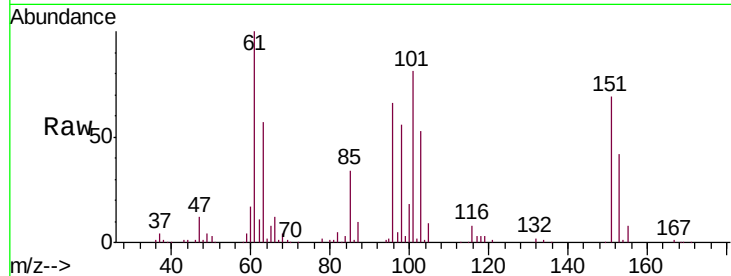
Tgt Ion: 101 Resp: 120846

Ion Ratio Lower Upper

101 100

85 38.9 31.4 47.2

151 83.6 66.9 100.3



#12

1,1-Dichloroethene

Concen: 23.971 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

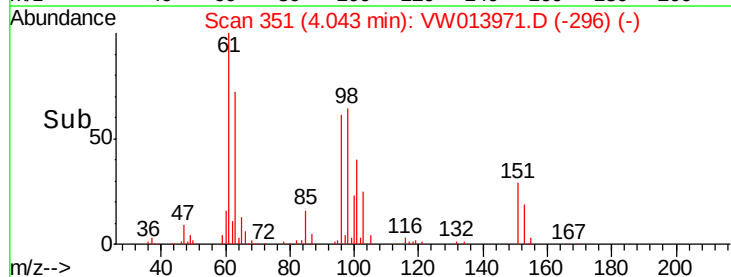
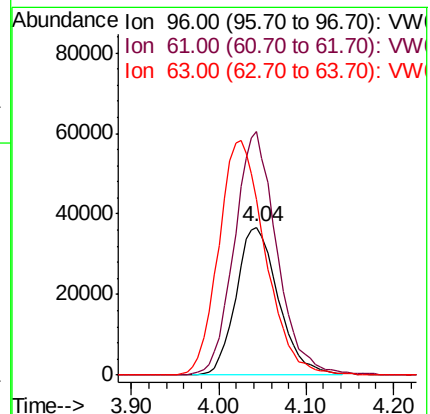
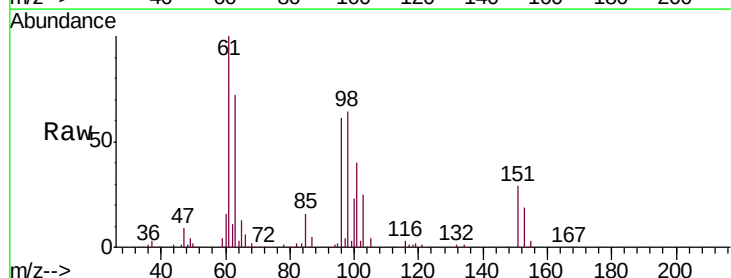
Tgt Ion: 96 Resp: 123478

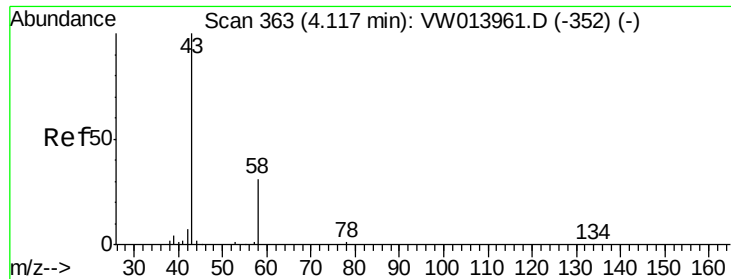
Ion Ratio Lower Upper

96 100

61 164.9 109.8 204.0

63 118.8 80.7 149.9





#13

Acetone

Concen: 40.447 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

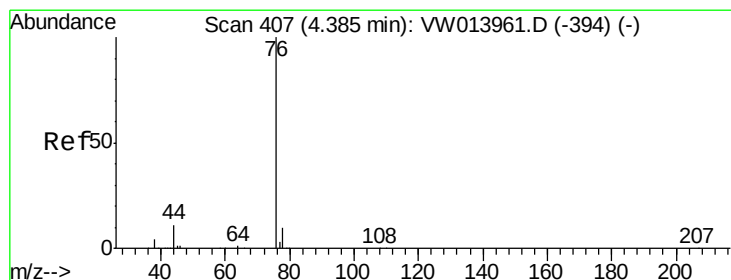
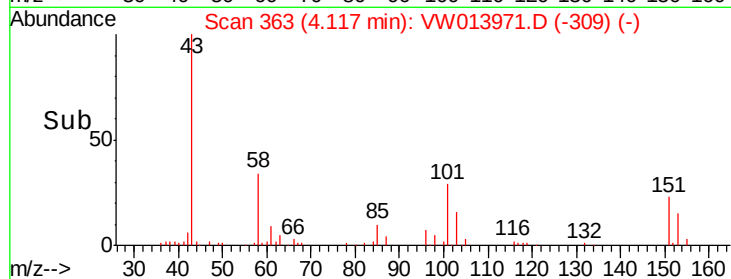
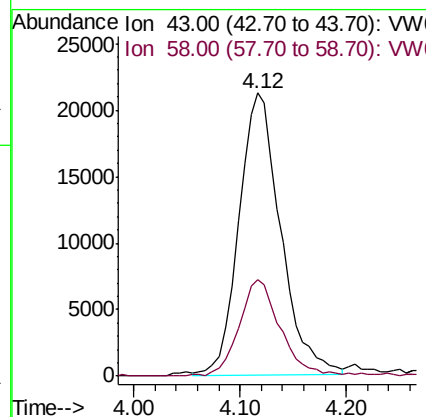
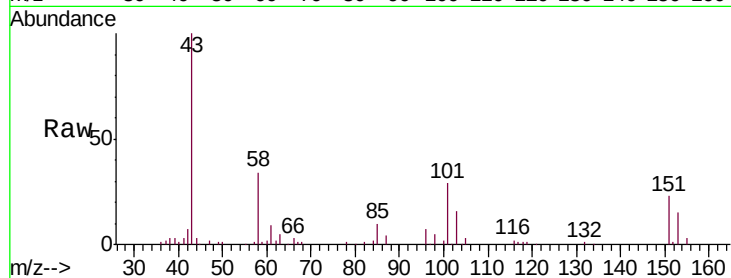
VSTD02524

Tgt Ion: 43 Resp: 58213

Ion Ratio Lower Upper

43 100

58 33.0 0.0 65.4



#14

Carbon disulfide

Concen: 23.938 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013971.D

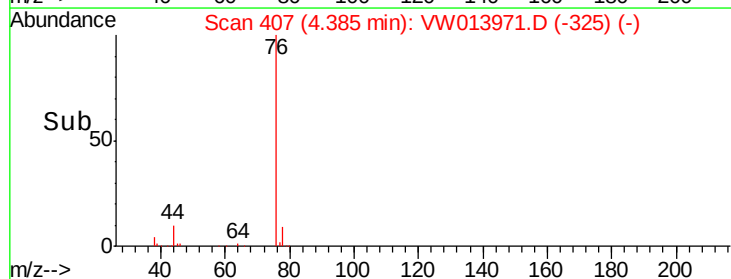
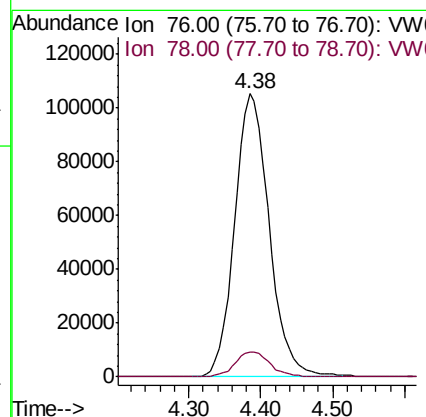
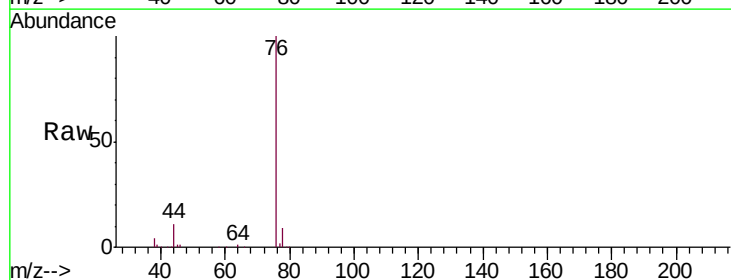
Acq: 11 Nov 2019 20:37

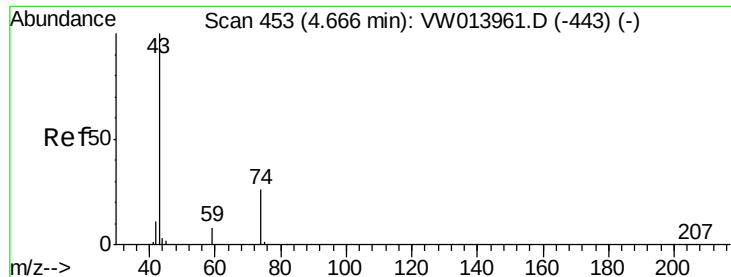
Tgt Ion: 76 Resp: 350960

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

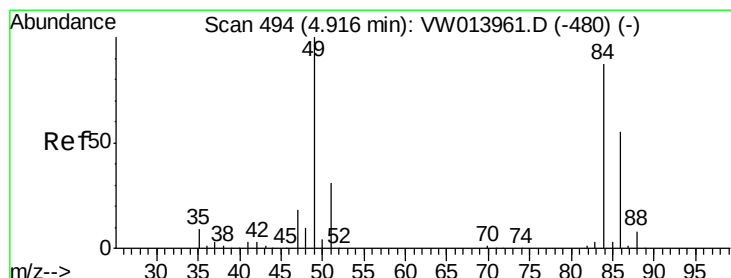
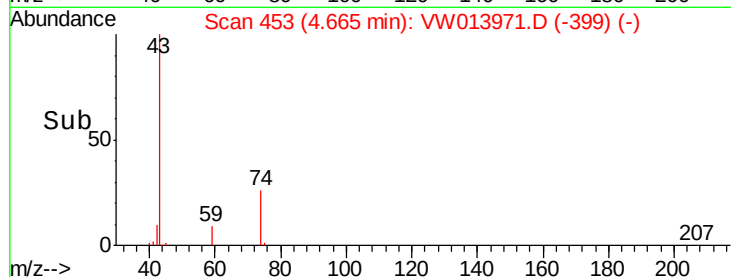
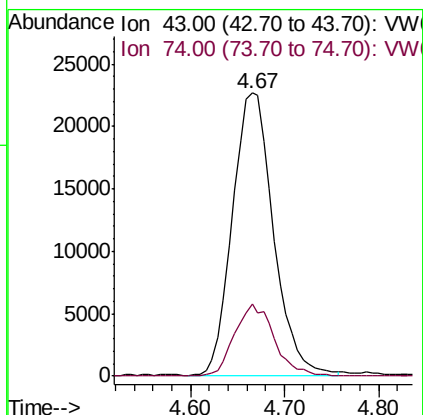
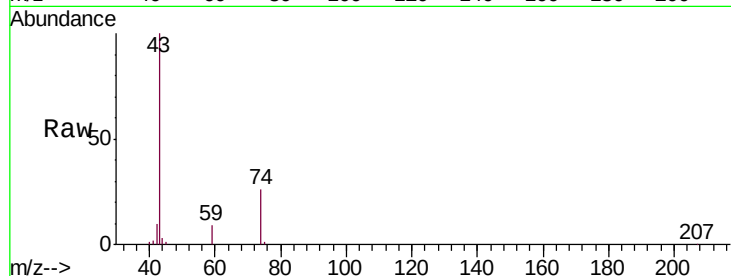




#15
Methyl Acetate
Concen: 29.840 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013971.D
Acq: 11 Nov 2019 20:37

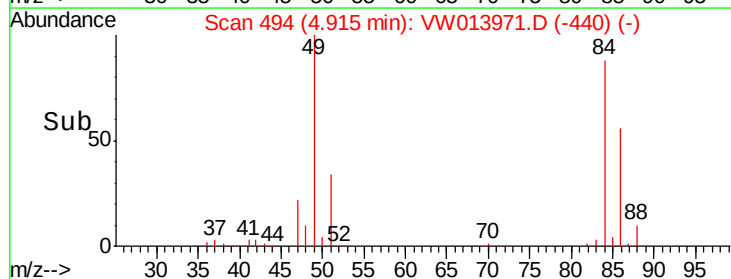
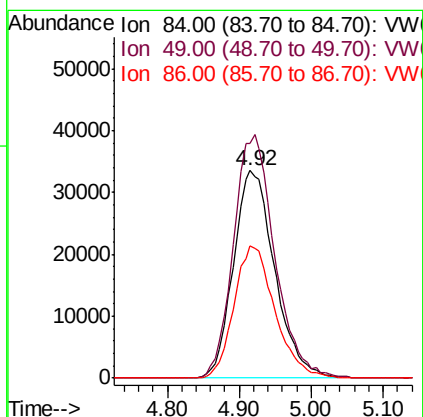
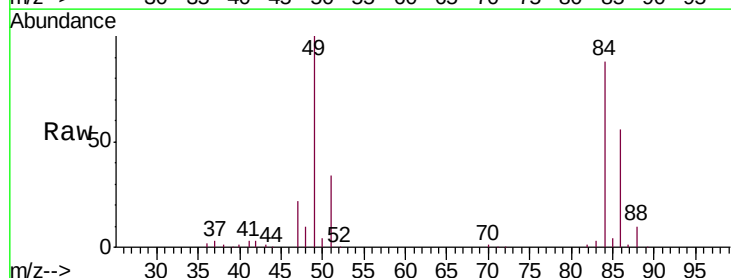
Instrument :
MSVOA_W
ClientSampled :
VSTD02524

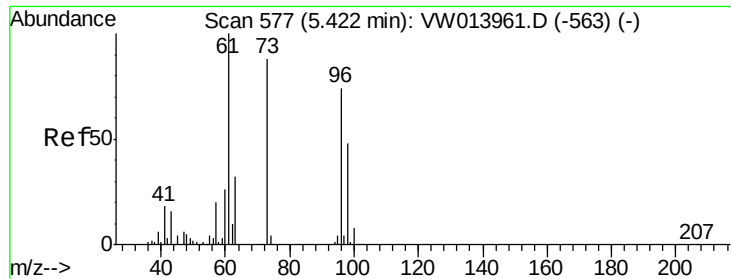
Tgt Ion: 43 Resp: 69486
Ion Ratio Lower Upper
43 100
74 24.5 19.3 28.9



#16
Methylene chloride
Concen: 22.774 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW013971.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 84 Resp: 133787
Ion Ratio Lower Upper
84 100
49 113.1 84.2 156.4
86 63.9 43.7 81.1

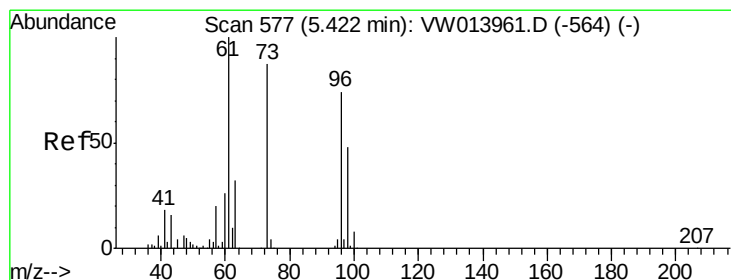
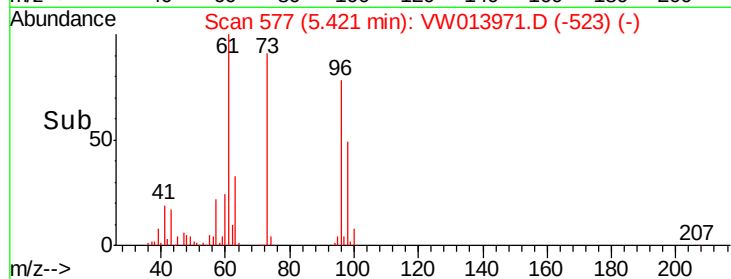
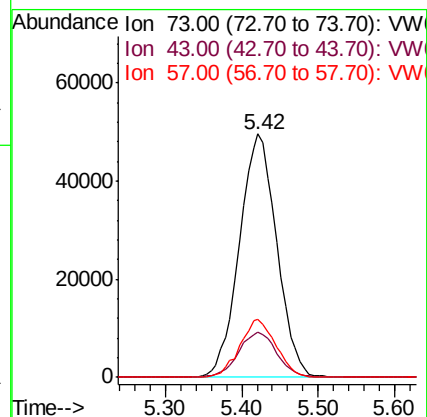
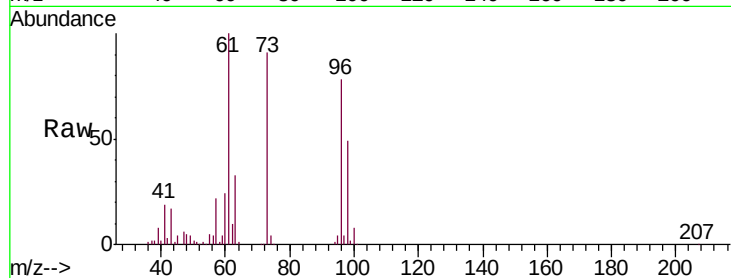




#17
Methyl tert-butyl Ether
Concen: 25.301 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013971.D
Acq: 11 Nov 2019 20:37

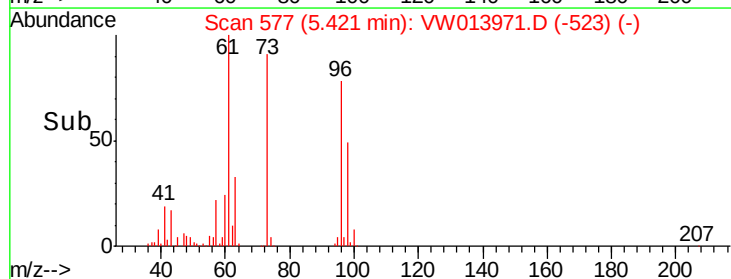
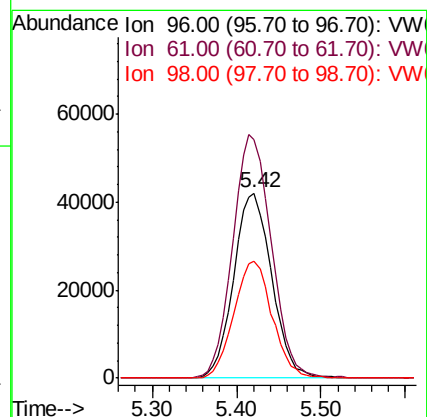
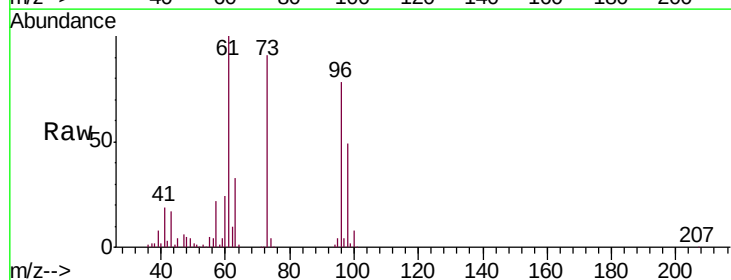
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

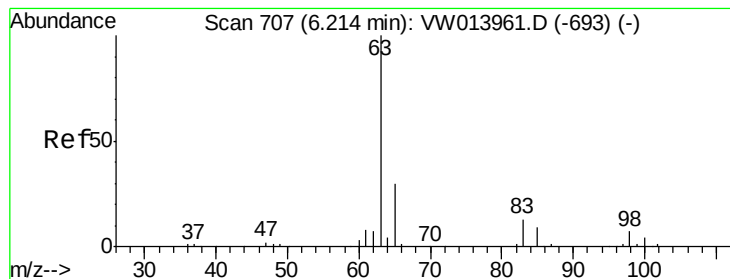
Tgt Ion: 73 Resp: 168142
Ion Ratio Lower Upper
73 100
43 19.1 15.5 23.3
57 22.9 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 24.102 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013971.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 96 Resp: 129468
Ion Ratio Lower Upper
96 100
61 128.8 90.6 168.2
98 63.4 42.9 79.7





#19

1,1-Dichloroethane

Concen: 24.555 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

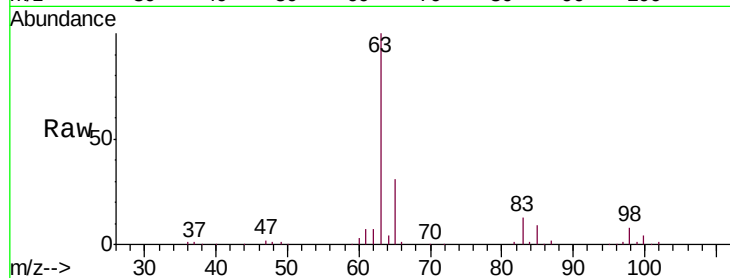
Tgt Ion: 63 Resp: 222180

Ion Ratio Lower Upper

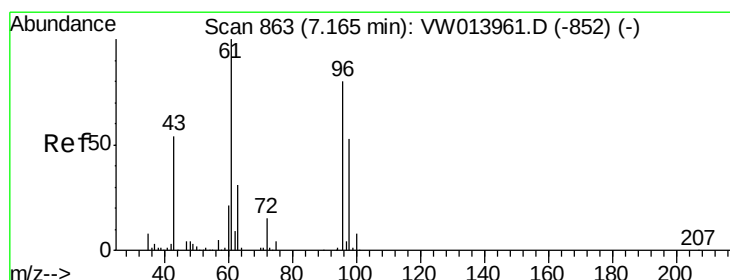
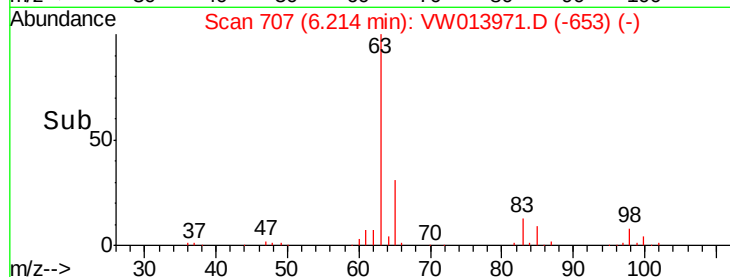
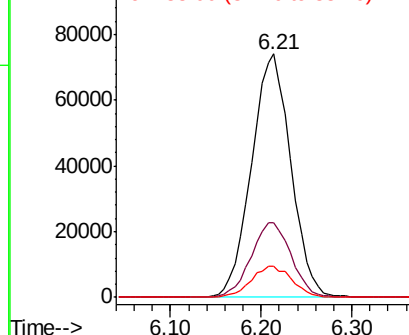
63 100

65 30.6 22.1 41.1

83 12.9 9.0 16.6



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



#21

2-Butanone

Concen: 52.532 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013971.D

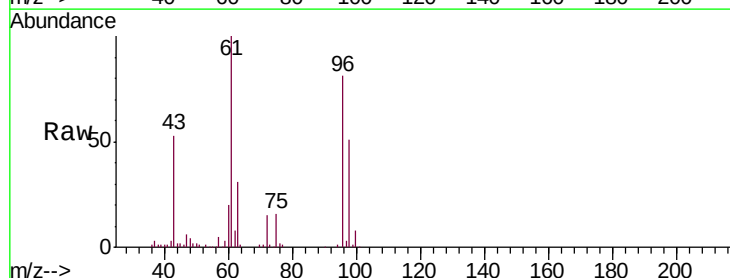
Acq: 11 Nov 2019 20:37

Tgt Ion: 43 Resp: 97133

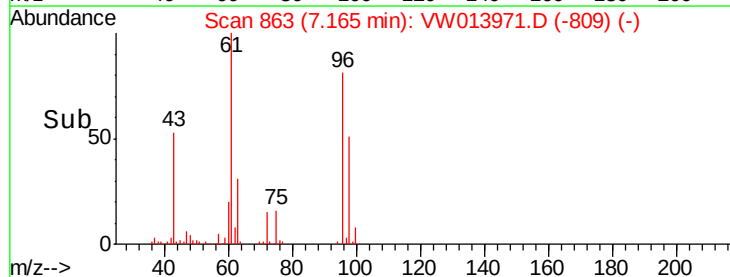
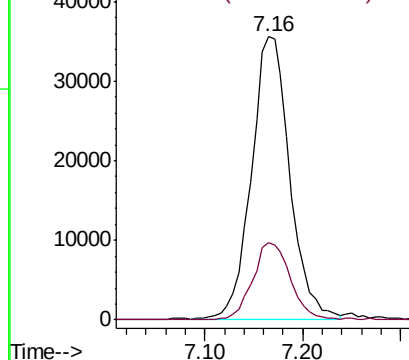
Ion Ratio Lower Upper

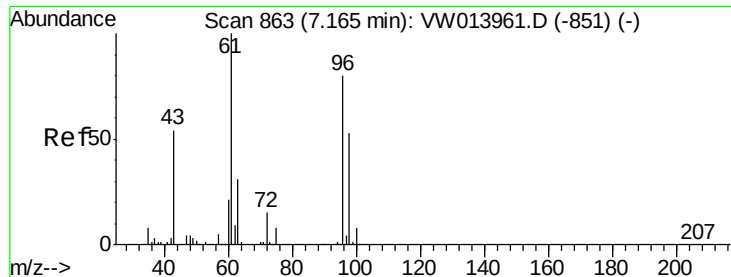
43 100

72 26.9 14.1 42.2



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



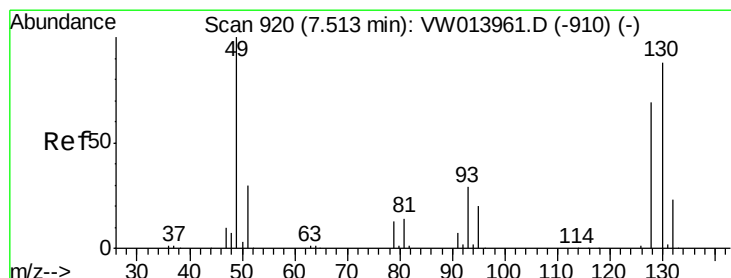
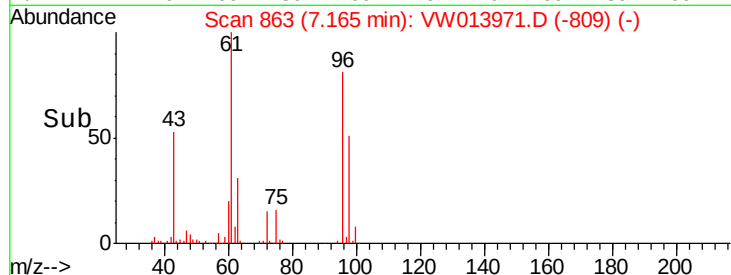
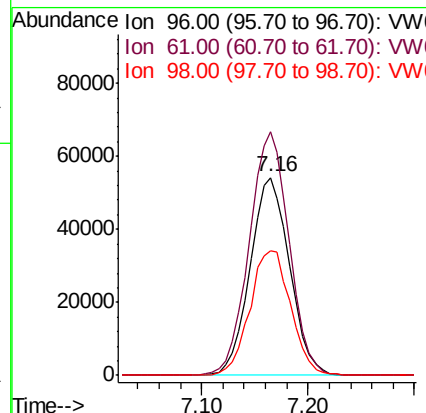
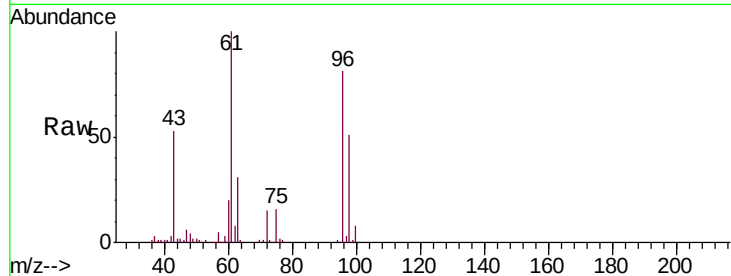


#22

cis-1,2-Dichloroethene
 Concen: 24.988 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013971.D
 Acq: 11 Nov 2019 20:37

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02524

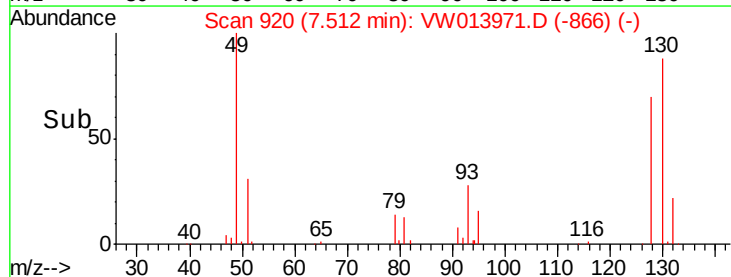
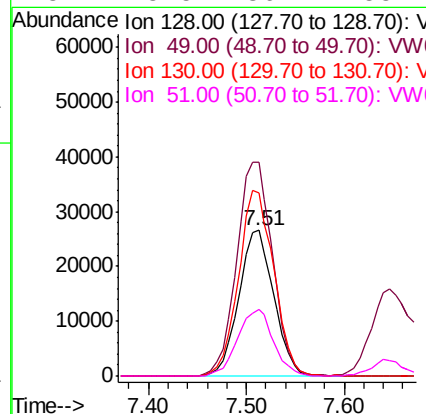
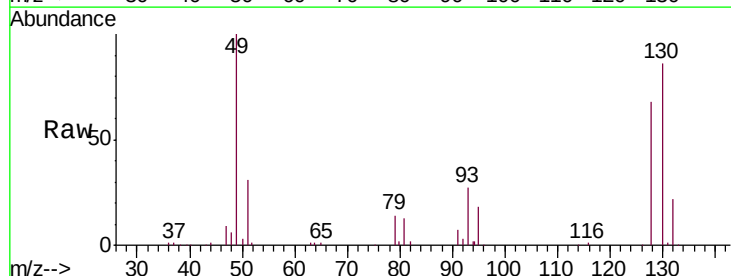
Tgt Ion: 96 Resp: 141250
 Ion Ratio Lower Upper
 96 100
 61 123.0 86.9 161.5
 98 63.0 45.5 84.5

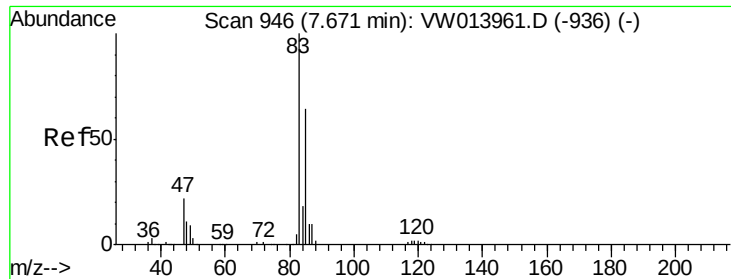


#23

Bromochloromethane
 Concen: 26.526 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW013971.D
 Acq: 11 Nov 2019 20:37

Tgt Ion: 128 Resp: 65820
 Ion Ratio Lower Upper
 128 100
 49 146.4 95.1 176.5
 130 125.2 85.0 158.0
 51 45.5 36.7 55.1





#25

Chloroform

Concen: 25.325 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

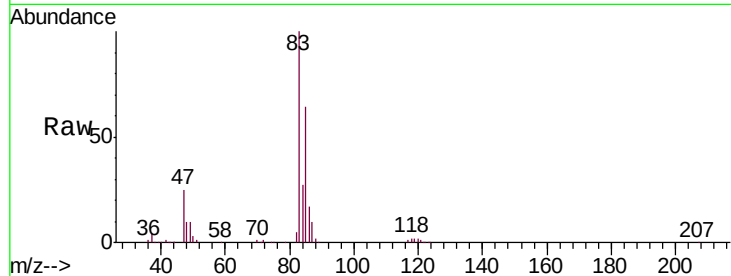
VSTD02524

Tgt Ion: 83 Resp: 225023

Ion Ratio Lower Upper

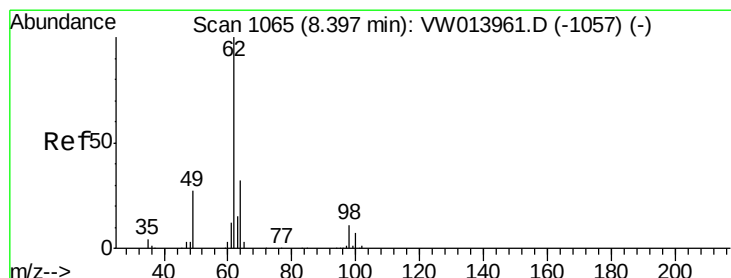
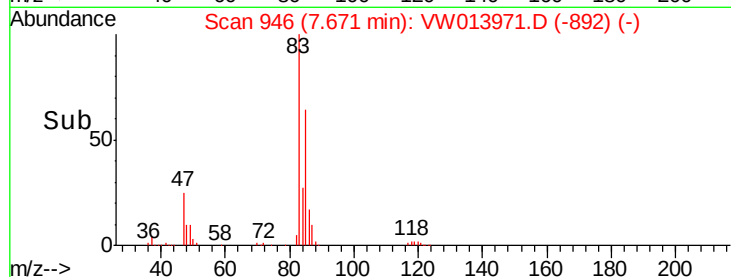
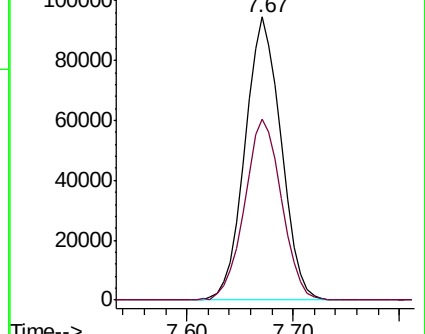
83 100

85 65.4 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 27.289 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013971.D

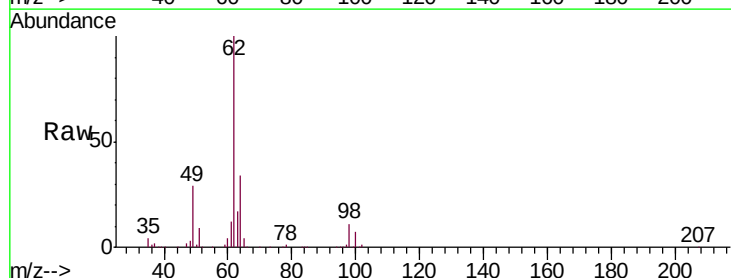
Acq: 11 Nov 2019 20:37

Tgt Ion: 62 Resp: 146801

Ion Ratio Lower Upper

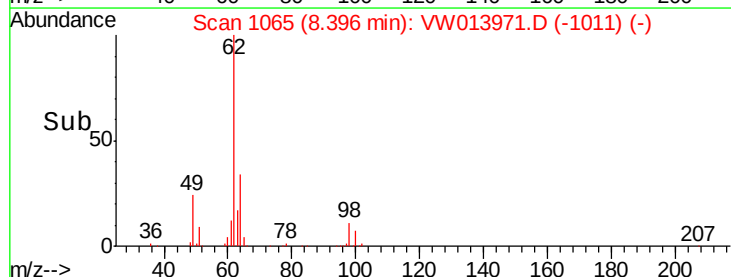
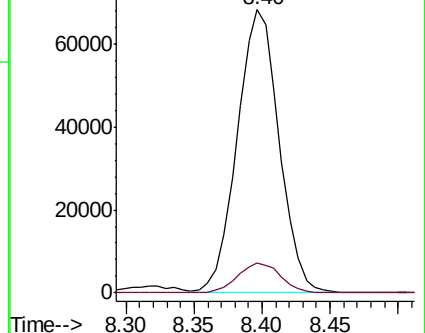
62 100

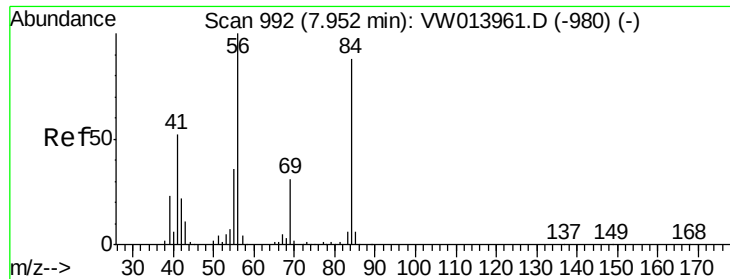
98 10.6 9.3 13.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

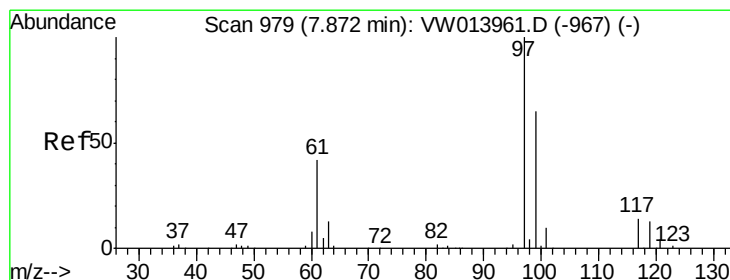
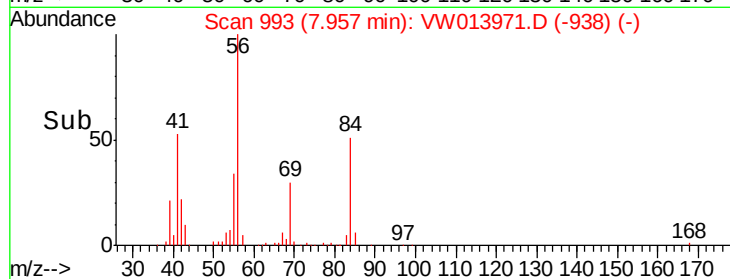
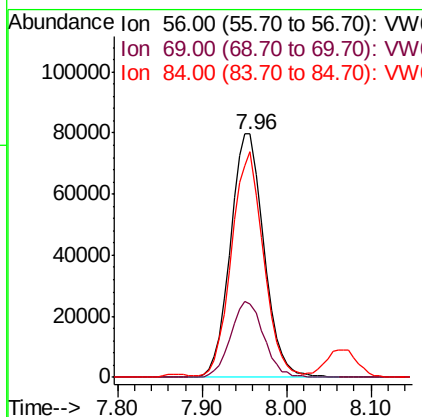
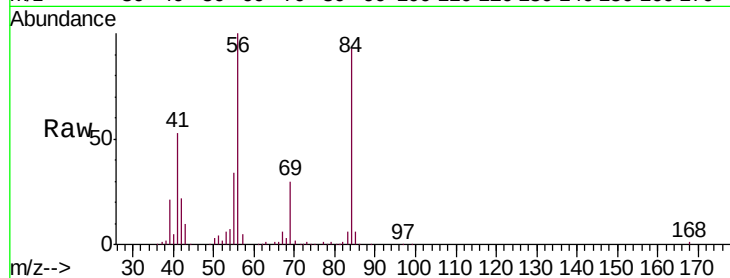




#30
Cyclohexane
Concen: 22.246 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW013971.D
Acq: 11 Nov 2019 20:37

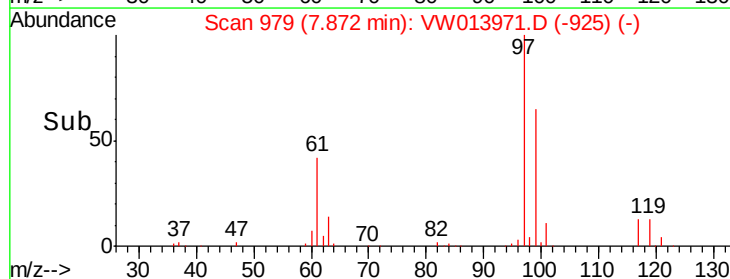
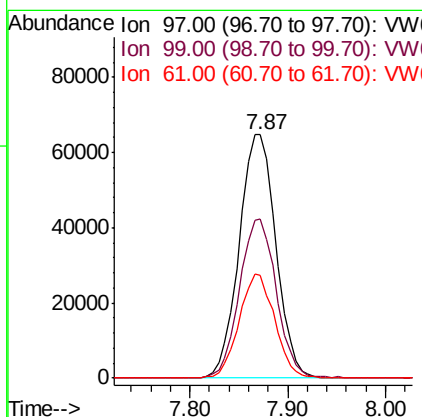
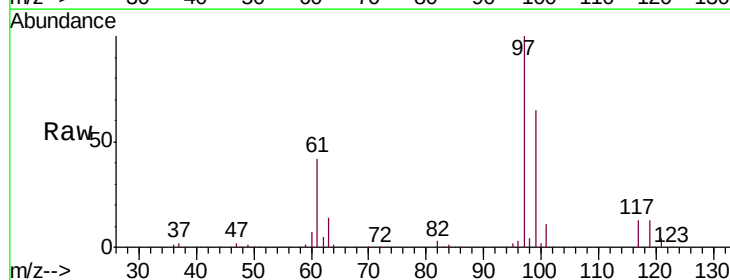
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

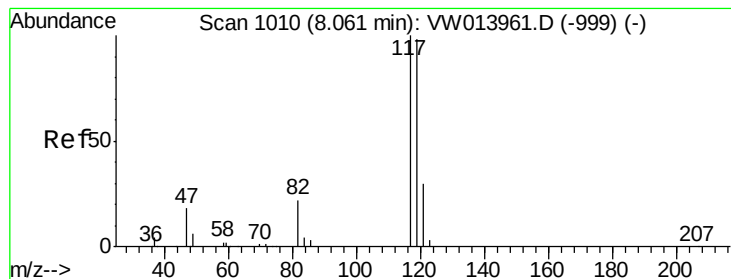
Tgt Ion: 56 Resp: 215278
Ion Ratio Lower Upper
56 100
69 30.7 24.6 37.0
84 88.0 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 22.258 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013971.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 97 Resp: 168681
Ion Ratio Lower Upper
97 100
99 65.4 51.1 76.7
61 41.4 32.8 49.2





#32

Carbon tetrachloride

Concen: 22.563 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

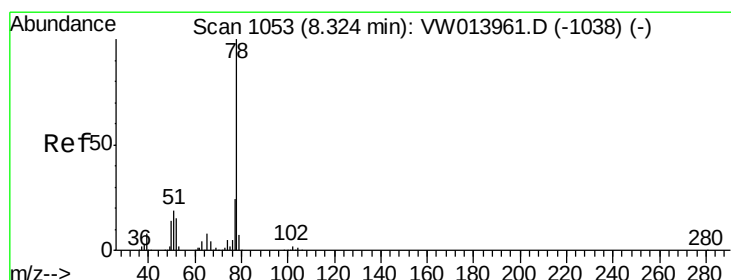
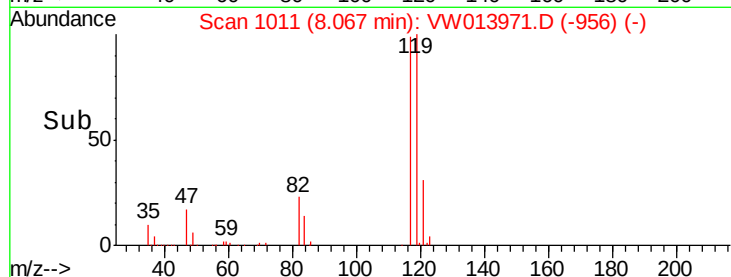
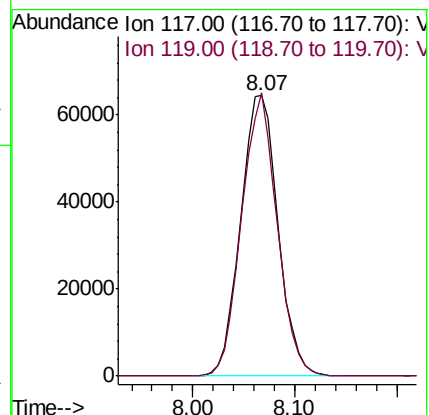
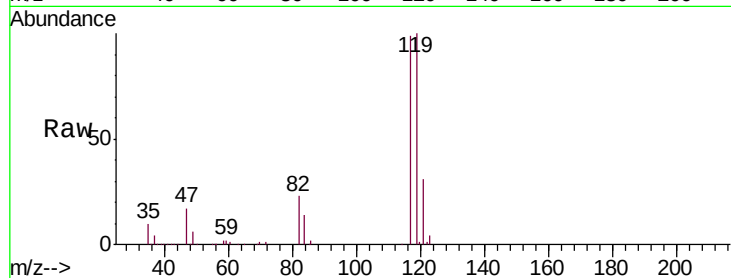
VSTD02524

Tgt Ion:117 Resp: 164141

Ion Ratio Lower Upper

117 100

119 95.4 76.7 115.1



#34

Benzene

Concen: 23.289 ug/L

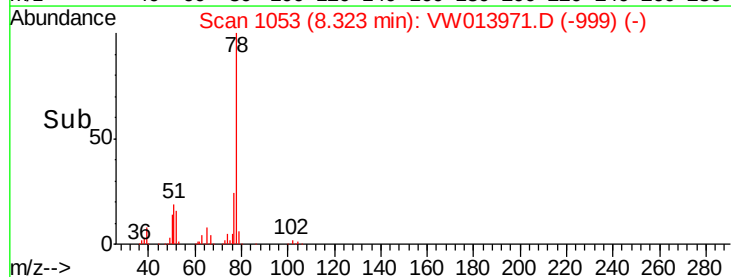
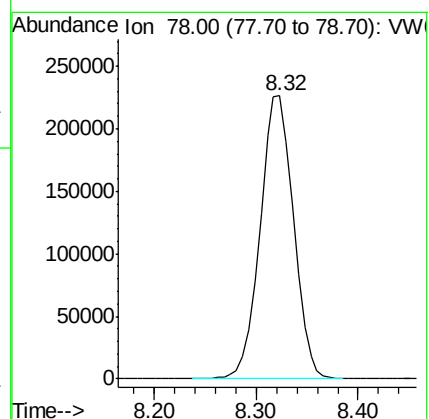
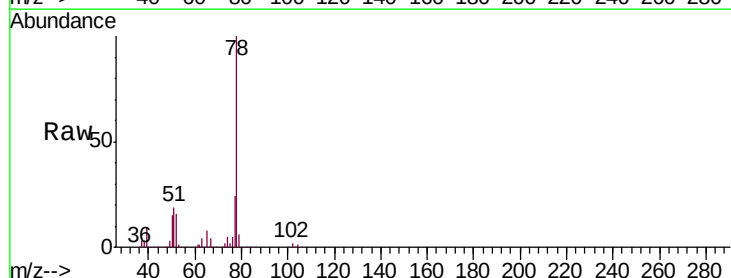
RT: 8.32 min Scan# 1053

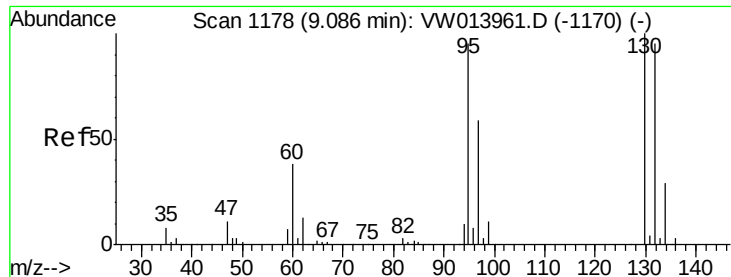
Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

Tgt Ion: 78 Resp: 516572

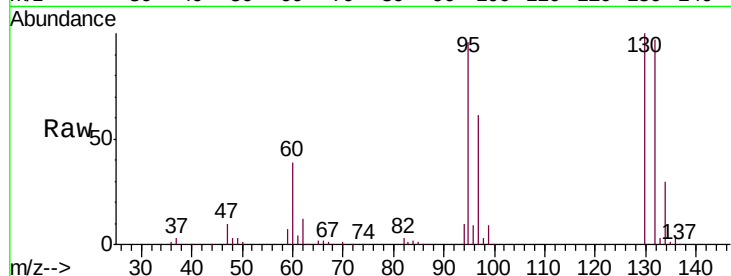




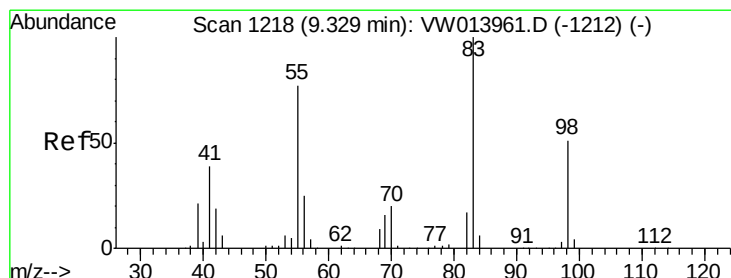
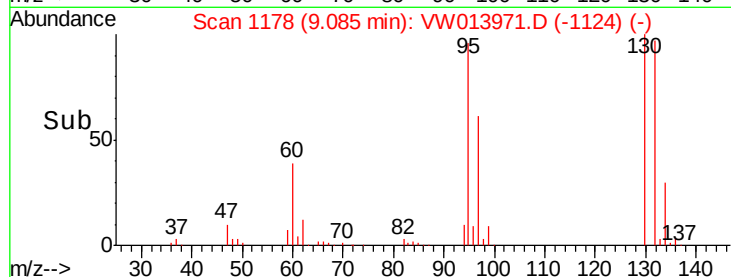
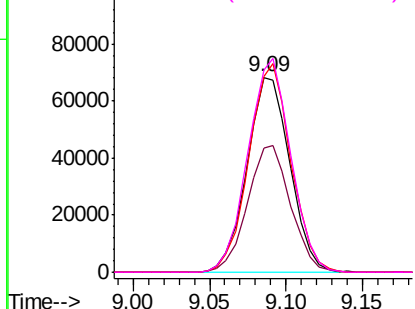
#35
 Trichloroethene
 Concen: 22.526 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW013971.D
 Acq: 11 Nov 2019 20:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tgt Ion: 95 Resp: 133280
 Ion Ratio Lower Upper
 95 100
 97 65.1 45.1 83.9
 132 104.9 73.7 136.9
 130 109.5 76.6 142.2

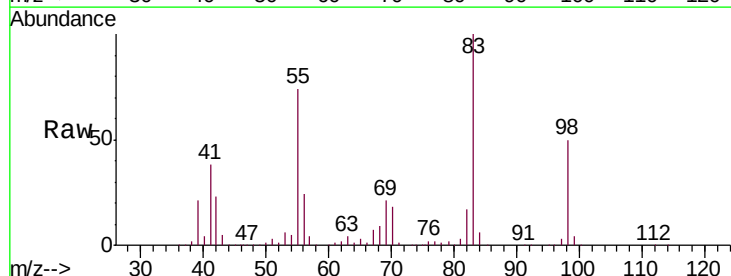


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

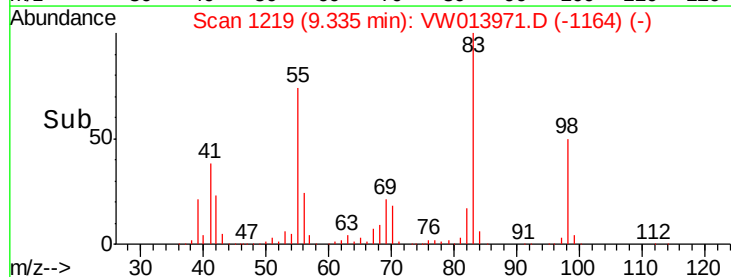
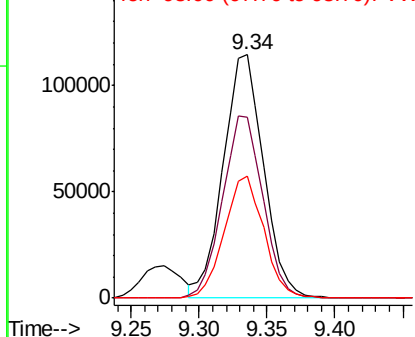


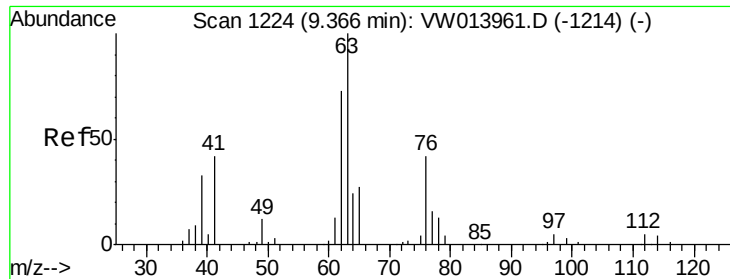
#36
 Methylcyclohexane
 Concen: 22.228 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW013971.D
 Acq: 11 Nov 2019 20:37

Tgt Ion: 83 Resp: 235809
 Ion Ratio Lower Upper
 83 100
 55 75.3 59.8 89.8
 98 49.2 39.5 59.3



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

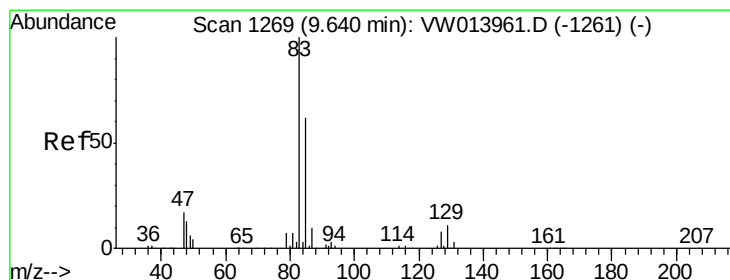
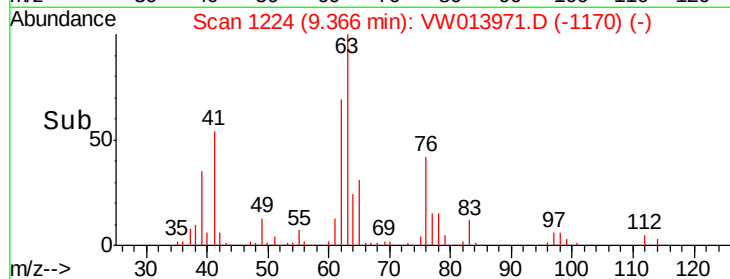
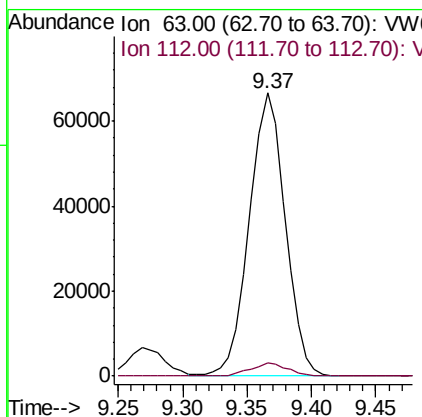
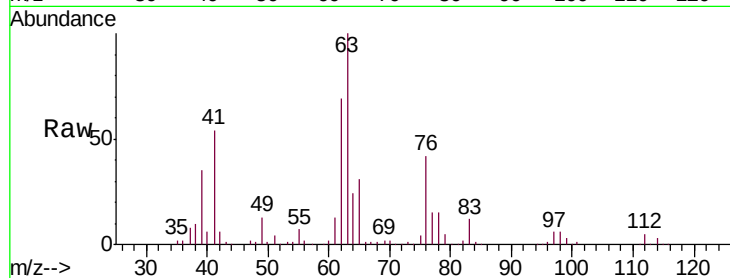




#40
 1,2-Dichloropropane
 Concen: 24.154 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013971.D
 Acq: 11 Nov 2019 20:37

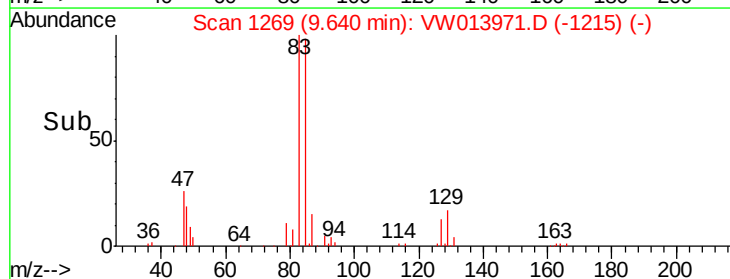
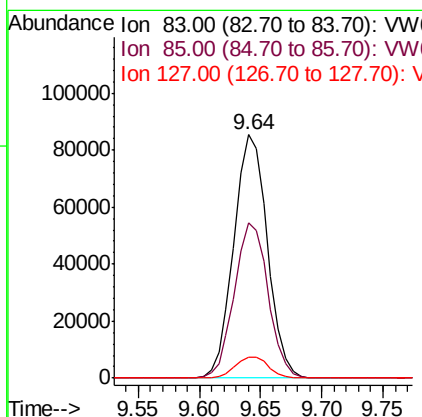
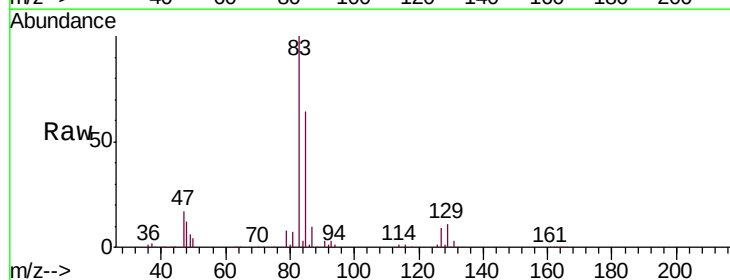
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

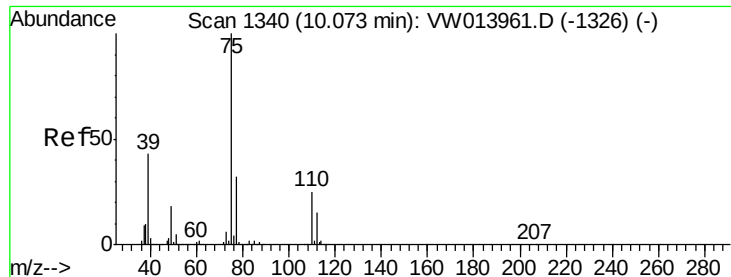
Tgt Ion: 63 Resp: 128973
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.9 5.9



#41
 Bromodichloromethane
 Concen: 25.212 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013971.D
 Acq: 11 Nov 2019 20:37

Tgt Ion: 83 Resp: 162744
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.1 83.7
 127 8.7 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 24.423 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

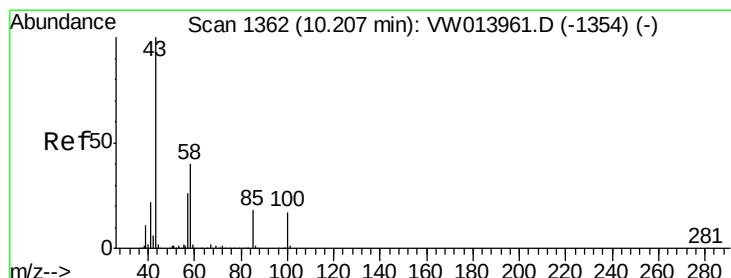
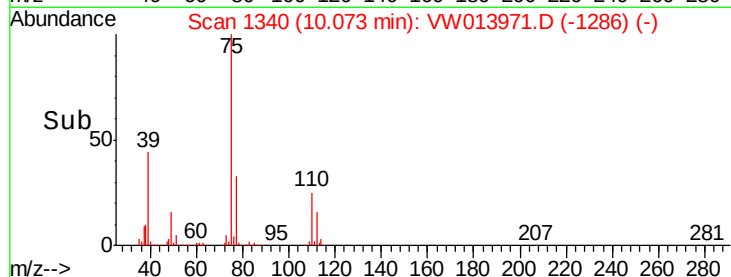
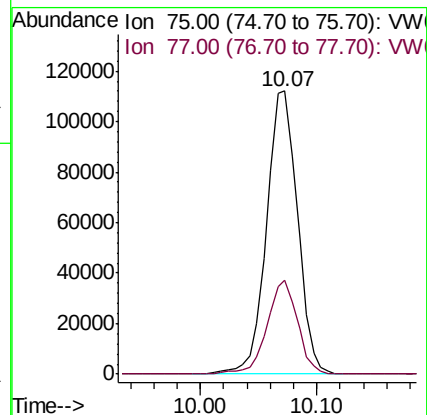
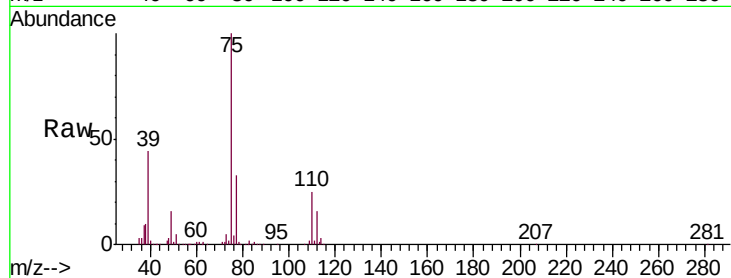
VSTD02524

Tgt Ion: 75 Resp: 205792

Ion Ratio Lower Upper

75 100

77 33.0 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 55.896 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

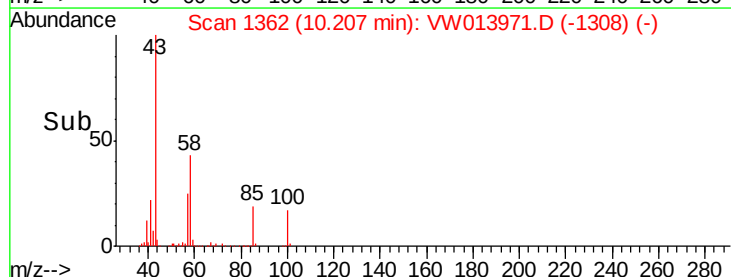
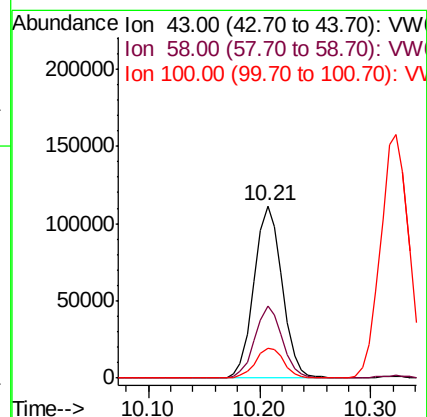
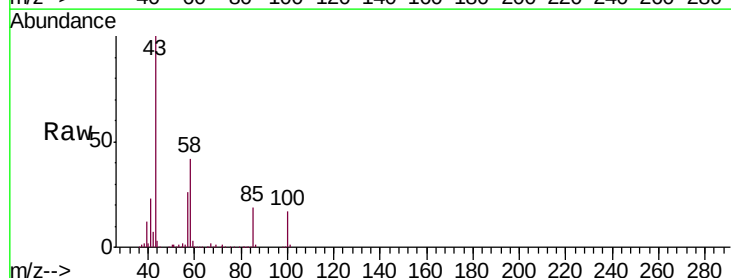
Tgt Ion: 43 Resp: 197058

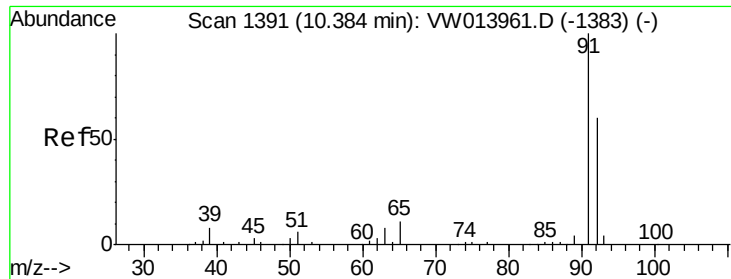
Ion Ratio Lower Upper

43 100

58 40.9 32.6 49.0

100 17.3 13.8 20.8





#44

Toluene

Concen: 23.568 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

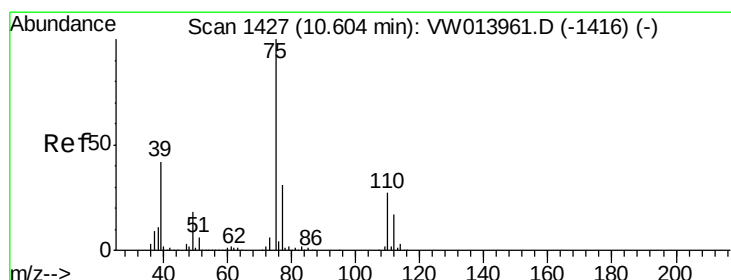
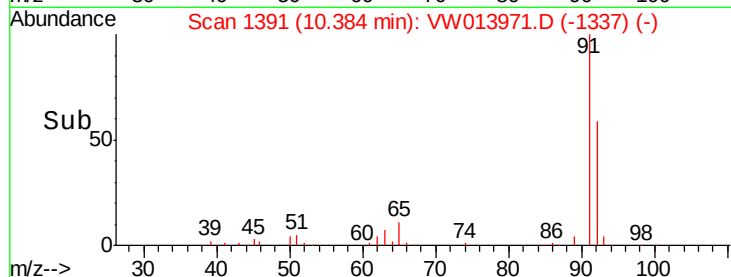
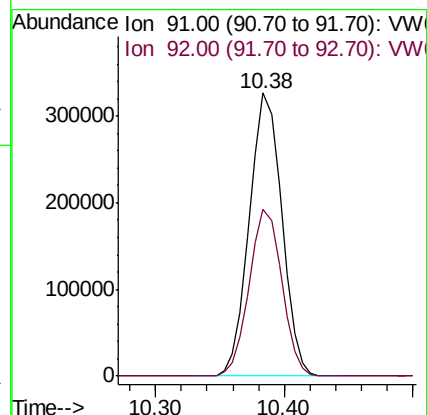
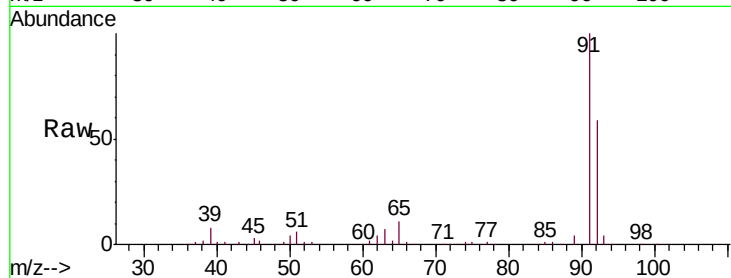
VSTD02524

Tgt Ion: 91 Resp: 569952

Ion Ratio Lower Upper

91 100

92 59.0 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 25.661 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013971.D

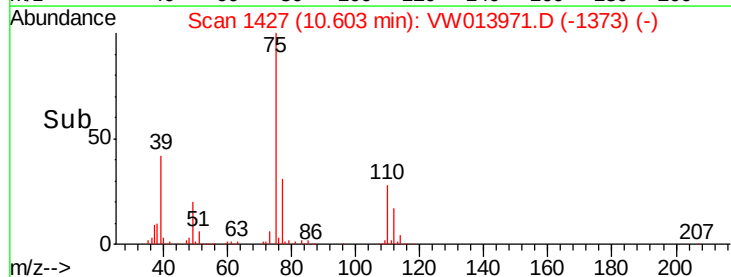
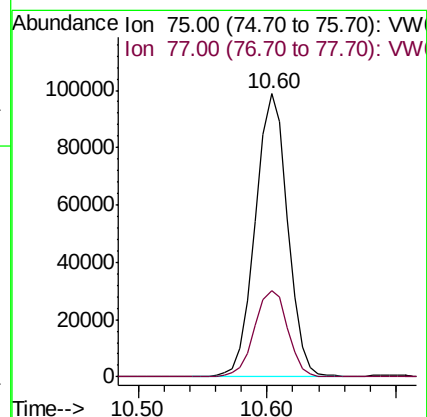
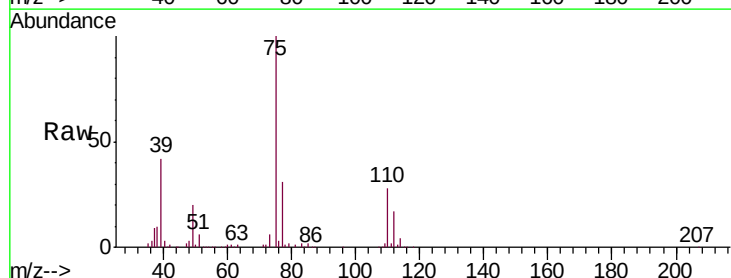
Acq: 11 Nov 2019 20:37

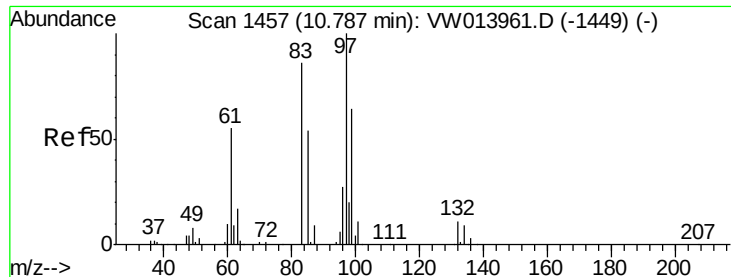
Tgt Ion: 75 Resp: 170992

Ion Ratio Lower Upper

75 100

77 30.5 21.8 40.6

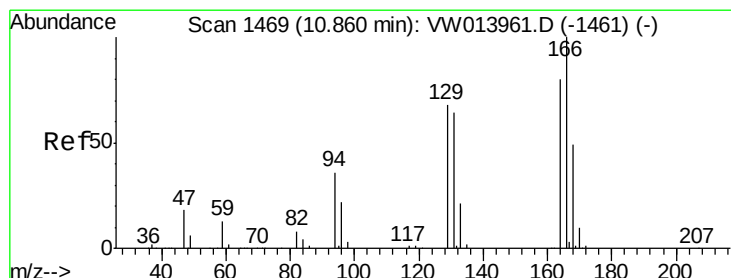
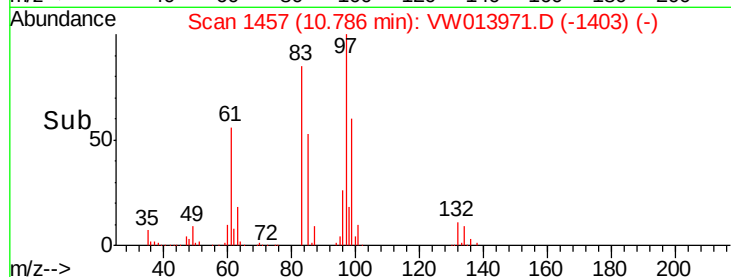
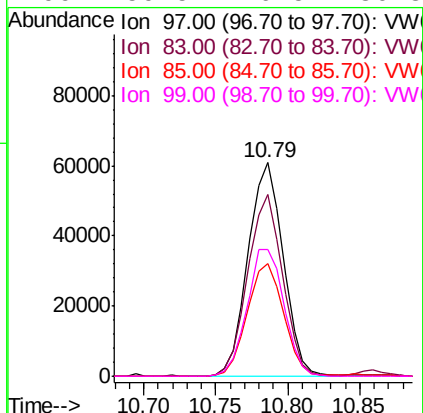
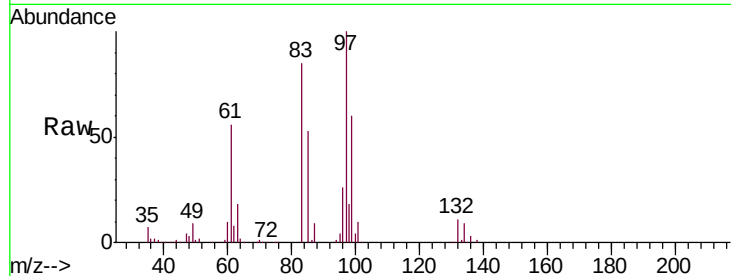




#46
 1,1,2-Trichloroethane
 Concen: 26.195 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013971.D
 Acq: 11 Nov 2019 20:37

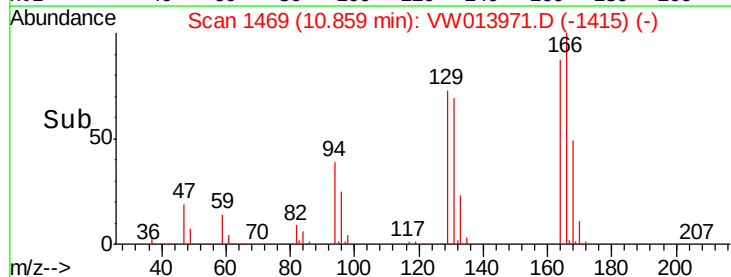
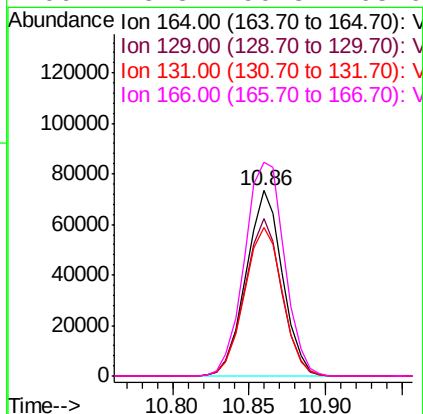
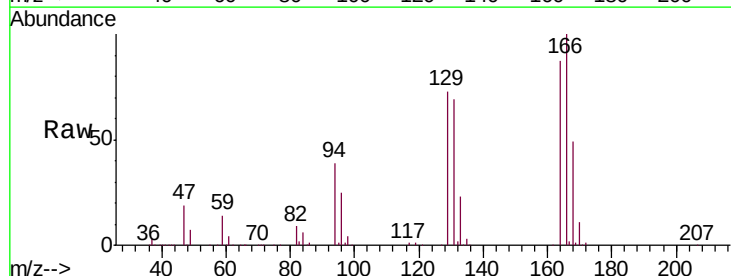
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

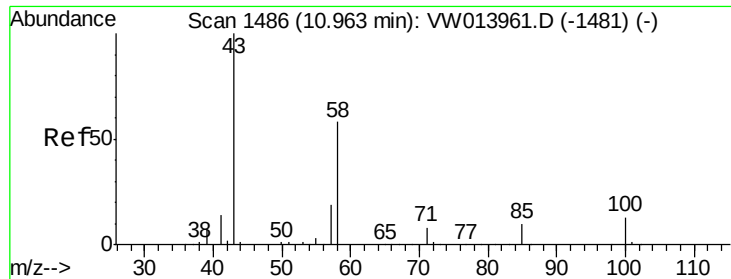
Tgt Ion:	97	Resp:	102769
Ion	Ratio	Lower	Upper
97	100		
83	85.0	58.9	109.5
85	52.5	38.1	70.9
99	59.5	46.5	86.3



#47
 Tetrachloroethene
 Concen: 23.026 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013971.D
 Acq: 11 Nov 2019 20:37

Tgt Ion:	164	Resp:	121432
Ion	Ratio	Lower	Upper
164	100		
129	84.7	60.6	112.6
131	80.0	59.1	109.7
166	115.3	90.8	168.6

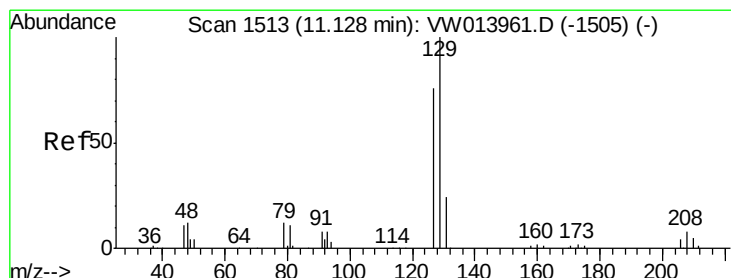
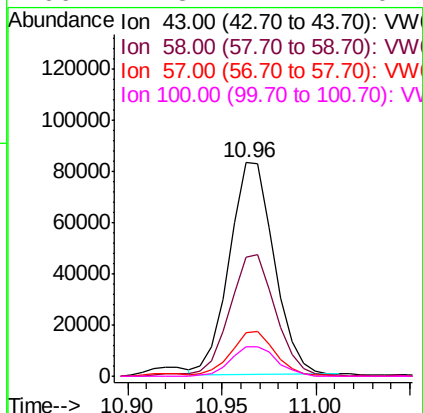
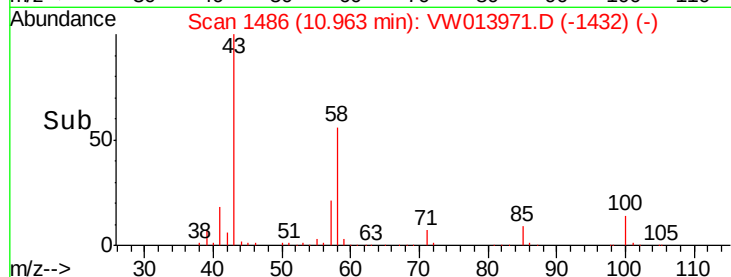
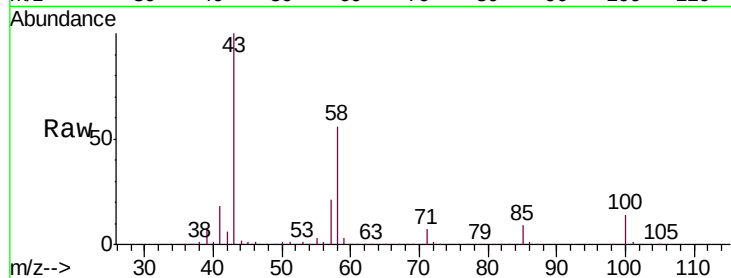




#49
2-Hexanone
Concen: 53.799 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW013971.D
Acq: 11 Nov 2019 20:37

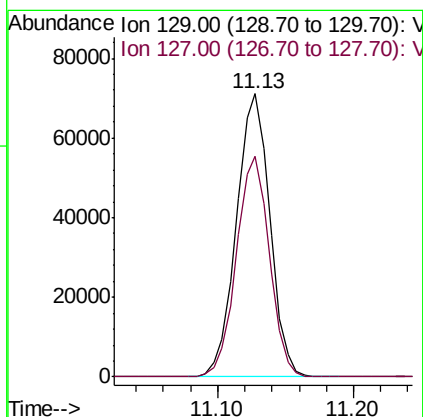
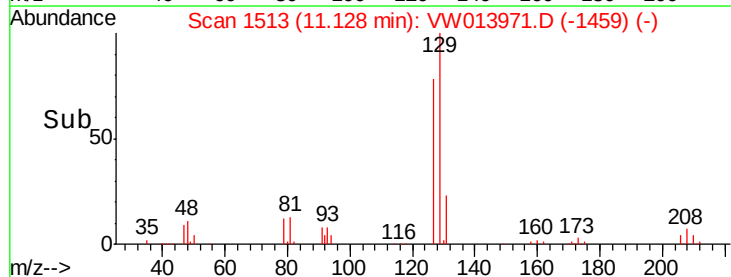
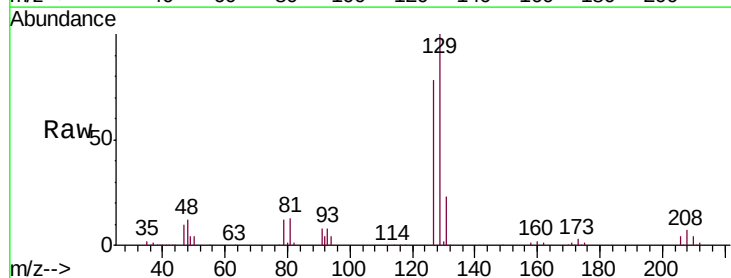
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

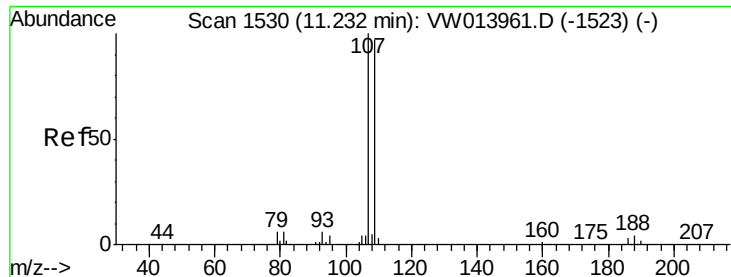
Tgt Ion: 43 Resp: 136741
Ion Ratio Lower Upper
43 100
58 58.5 44.4 66.6
57 21.0 16.5 24.7
100 14.3 11.1 16.7



#50
Dibromochloromethane
Concen: 26.494 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013971.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 129 Resp: 122175
Ion Ratio Lower Upper
129 100
127 78.0 54.9 102.1

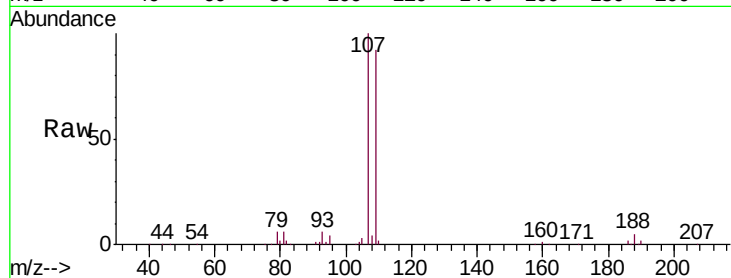




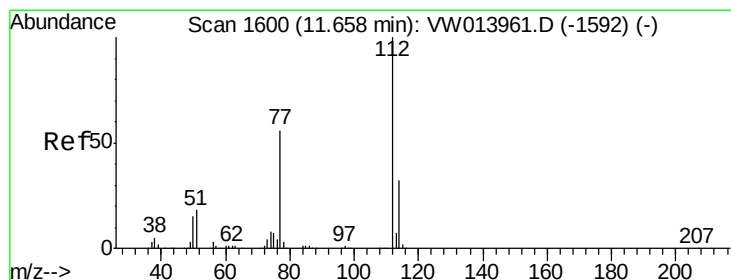
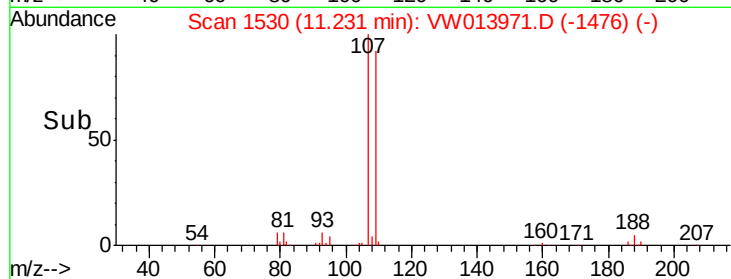
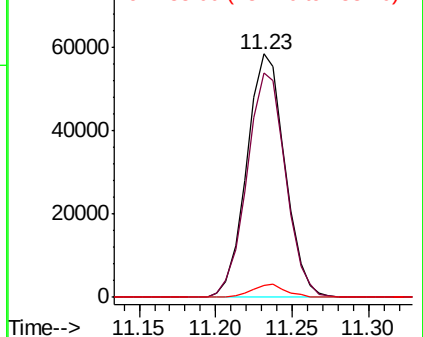
#51
1,2-Dibromoethane
Concen: 26.653 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013971.D
Acq: 11 Nov 2019 20:37

Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.4	64.6	120.0
188	5.0	3.9	5.9

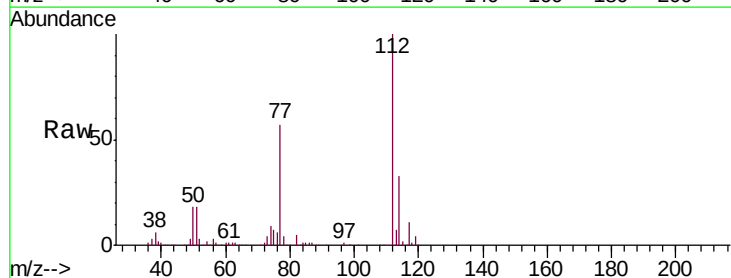


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

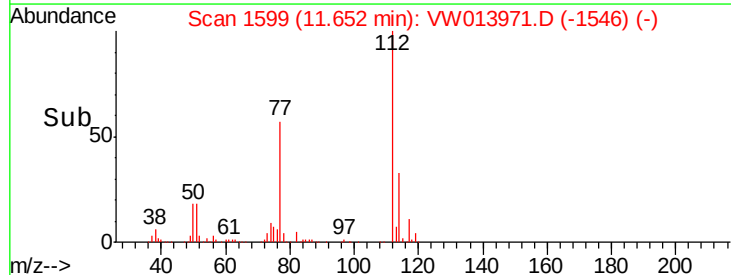
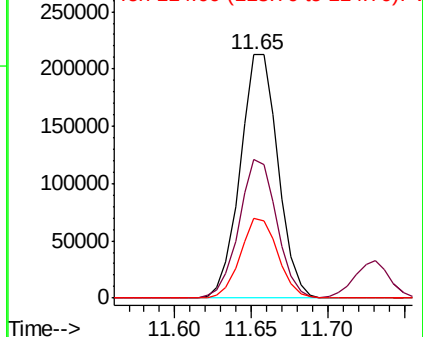


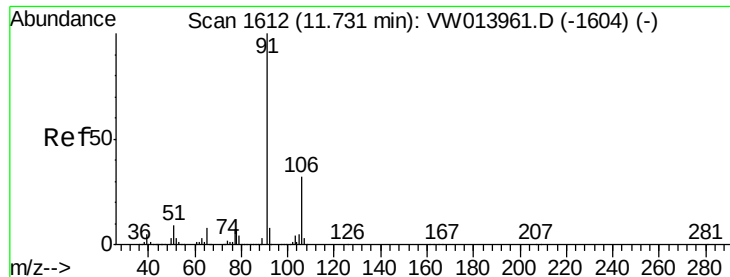
#52
Chlorobenzene
Concen: 24.064 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW013971.D
Acq: 11 Nov 2019 20:37

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.8	42.2	63.4
114	32.8	22.5	41.9



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: 23.468 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

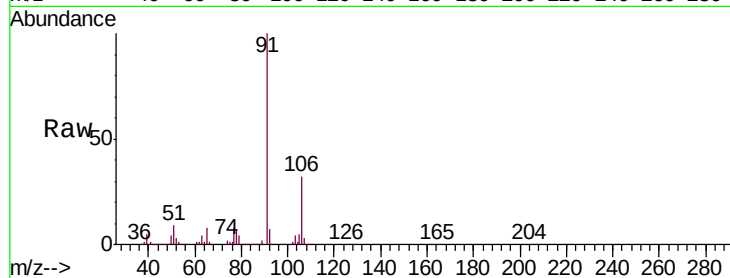
VSTD02524

Tgt Ion: 91 Resp: 622780

Ion Ratio Lower Upper

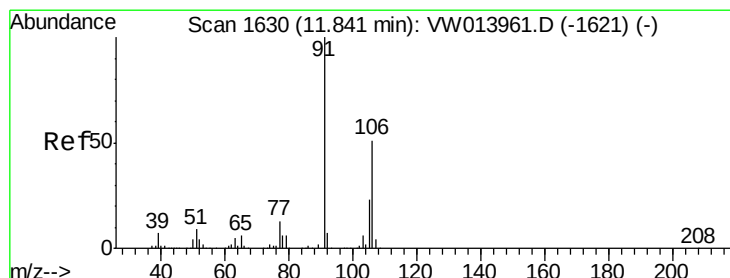
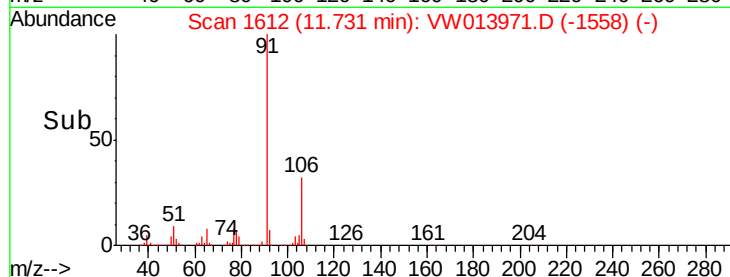
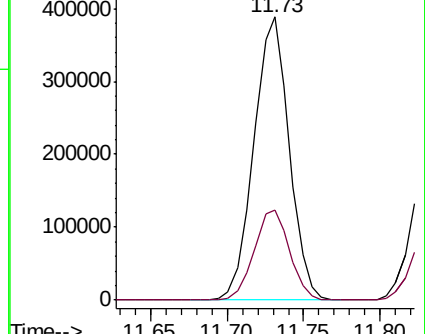
91 100

106 31.6 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 23.938 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013971.D

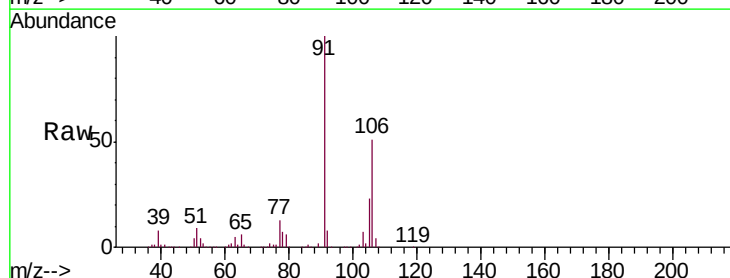
Acq: 11 Nov 2019 20:37

Tgt Ion: 106 Resp: 246874

Ion Ratio Lower Upper

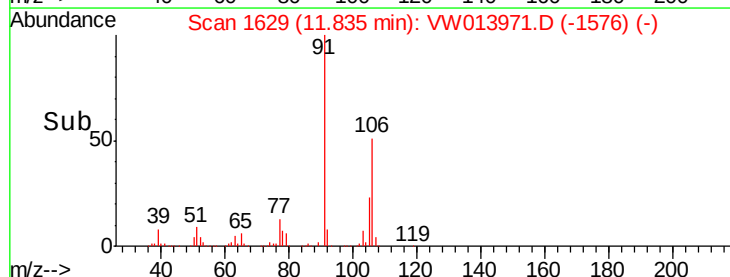
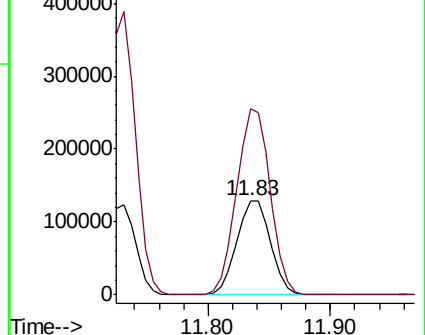
106 100

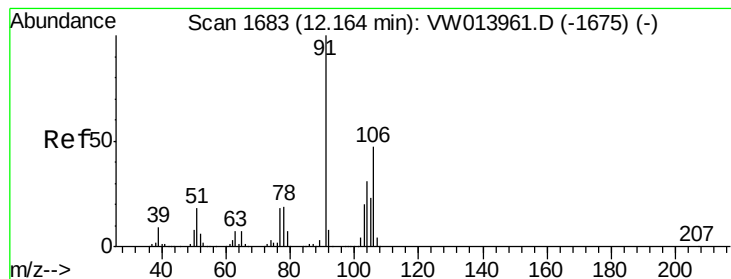
91 197.5 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 24.291 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_W

ClientSampled :

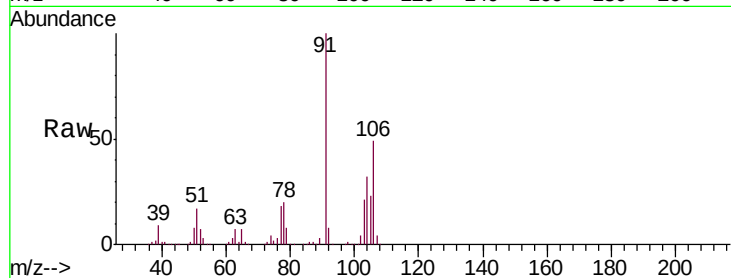
VSTD02524

Tgt Ion:106 Resp: 234592

Ion Ratio Lower Upper

106 100

91 203.5 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

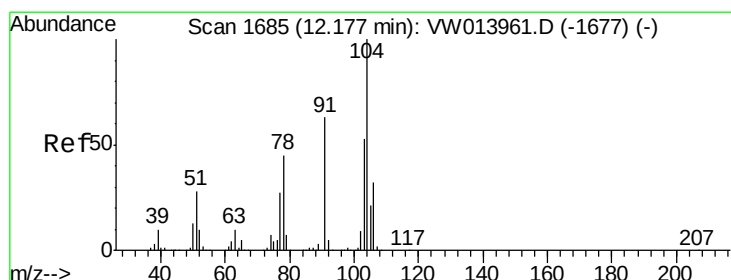
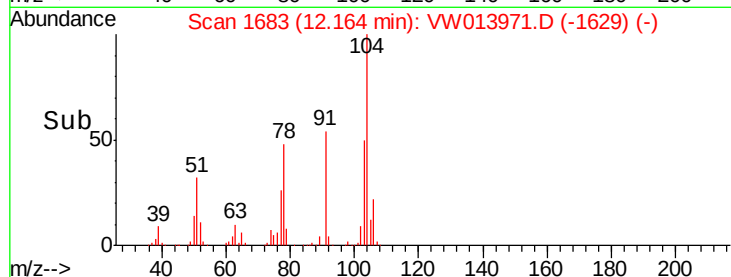
200000

100000

0

12.10 12.15 12.20 12.25

Time-->



#56

Styrene

Concen: 24.937 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW013971.D

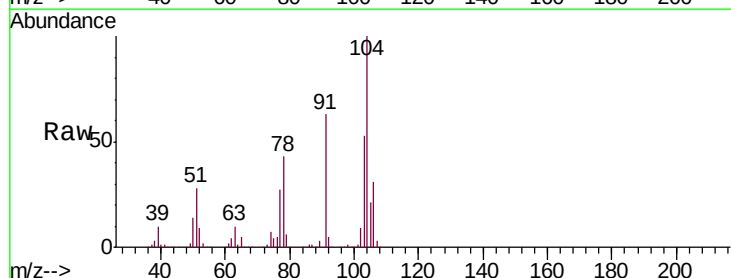
Acq: 11 Nov 2019 20:37

Tgt Ion:104 Resp: 406828

Ion Ratio Lower Upper

104 100

78 43.4 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

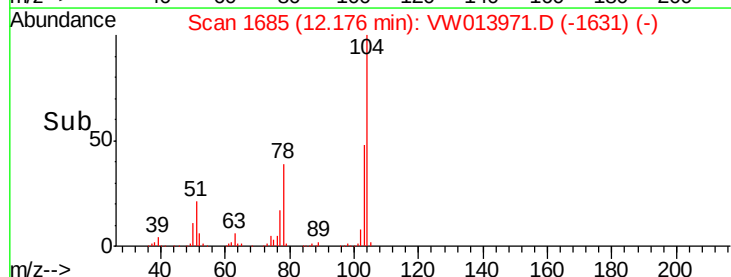
100000

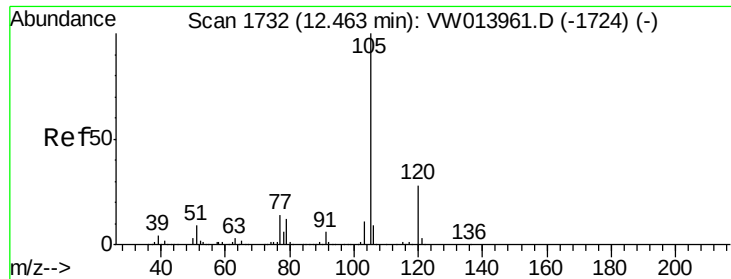
50000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 23.732 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_W

ClientSampled :

VSTD02524

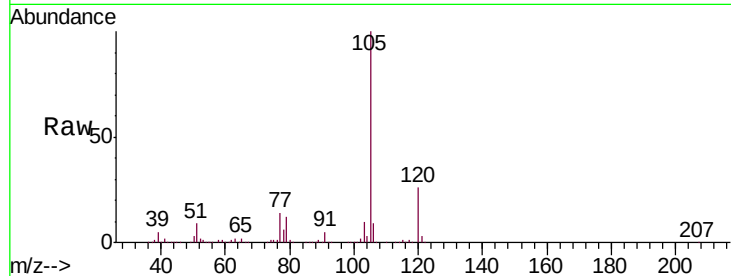
Tgt Ion: 105 Resp: 630154

Ion Ratio Lower Upper

105 100

120 26.6 21.6 32.4

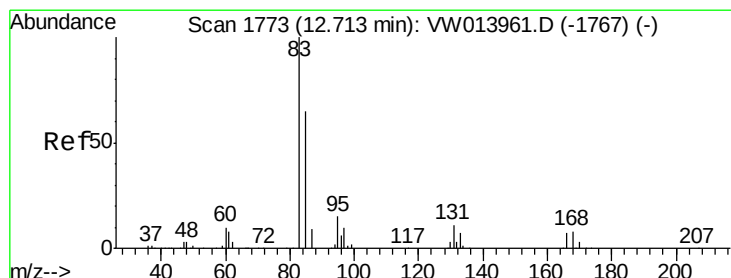
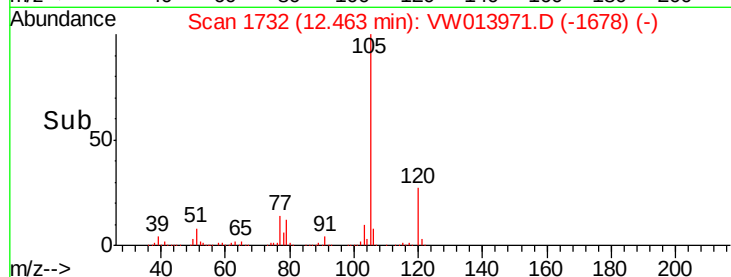
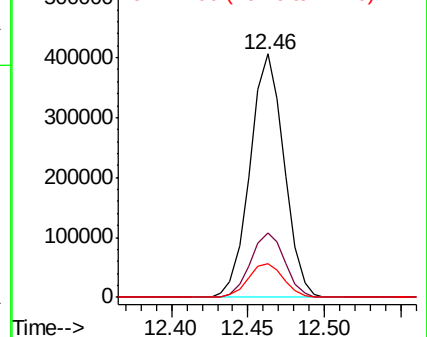
77 14.3 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 28.219 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

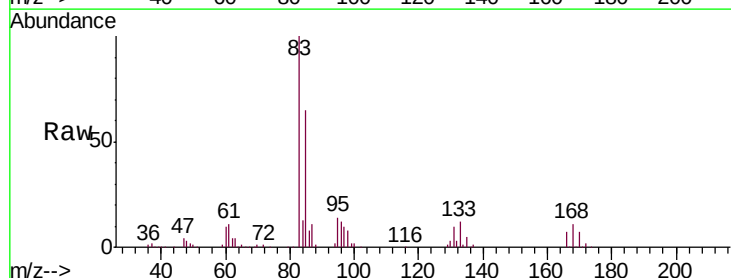
Tgt Ion: 83 Resp: 129255

Ion Ratio Lower Upper

83 100

85 64.6 43.7 81.1

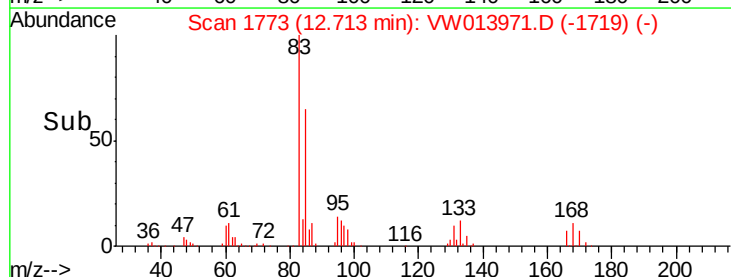
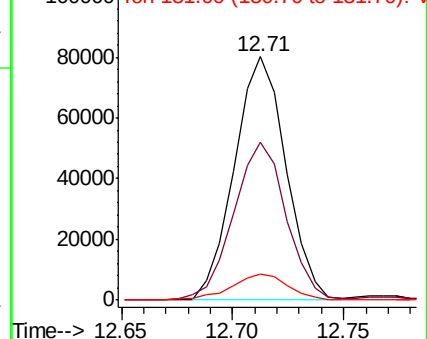
131 10.5 8.2 12.2

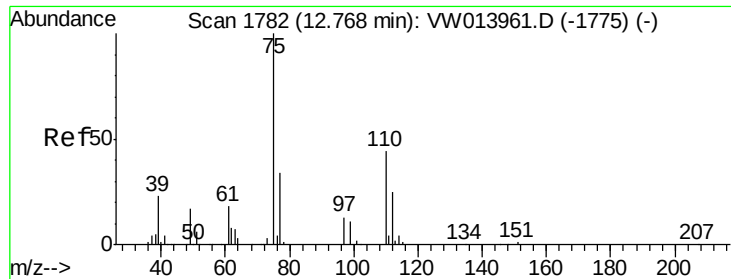


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.562 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

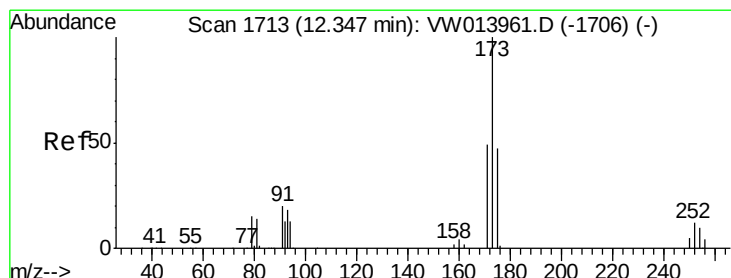
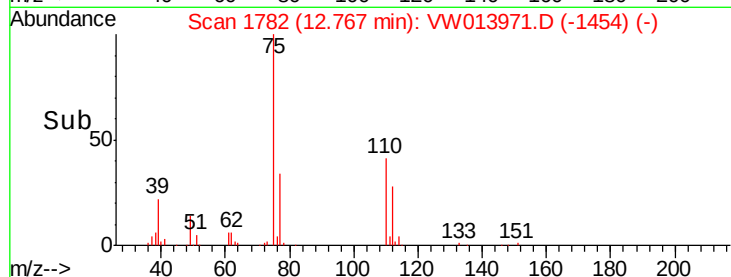
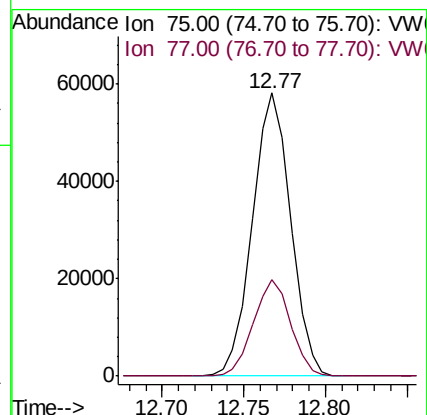
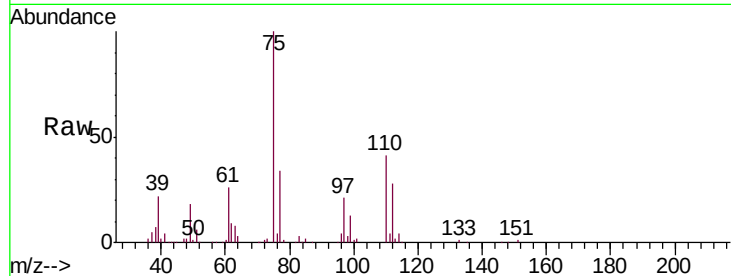
VSTD02524

Tgt Ion: 75 Resp: 94949

Ion Ratio Lower Upper

75 100

77 33.2 25.9 38.9



#62

Bromoform

Concen: 26.920 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

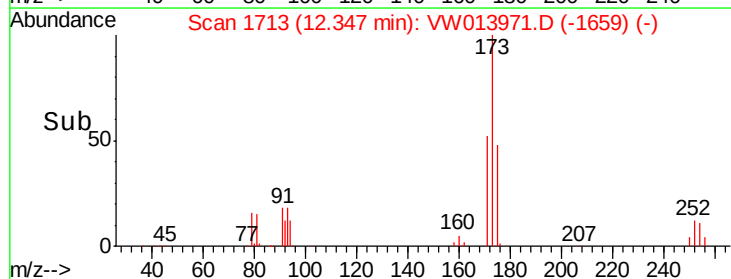
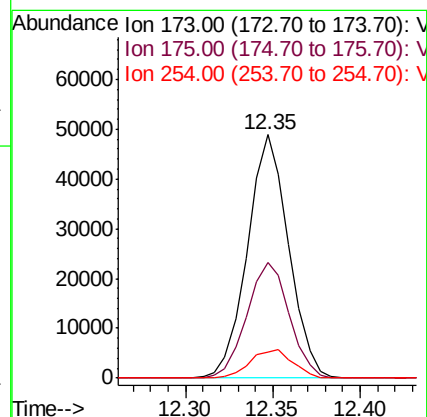
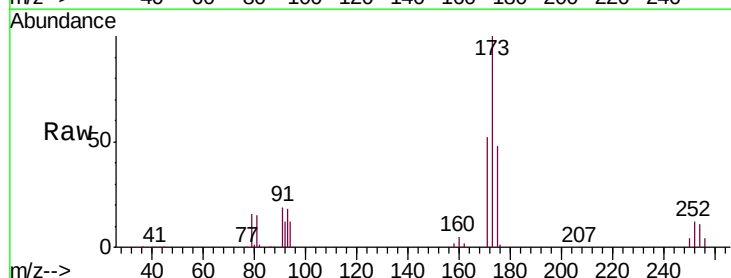
Tgt Ion: 173 Resp: 80431

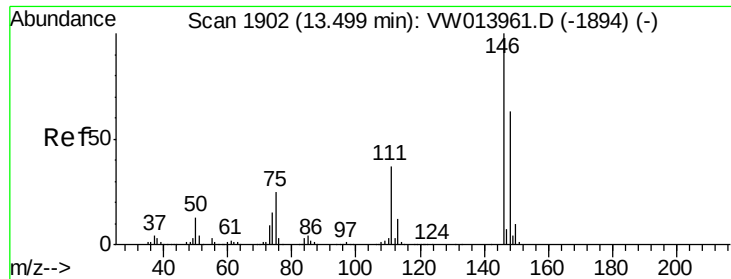
Ion Ratio Lower Upper

173 100

175 48.9 38.8 58.2

254 12.2 9.4 14.0

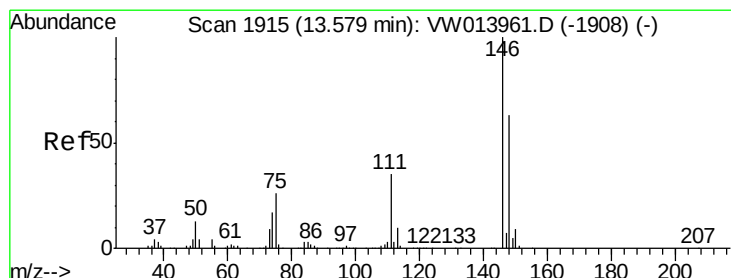
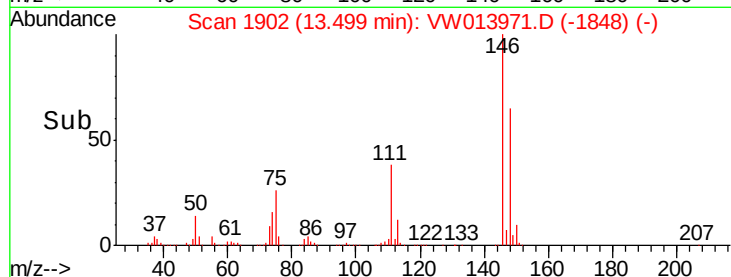
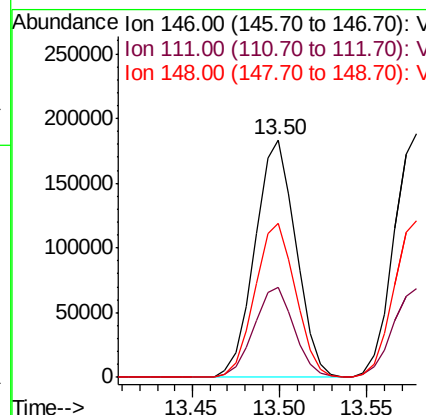
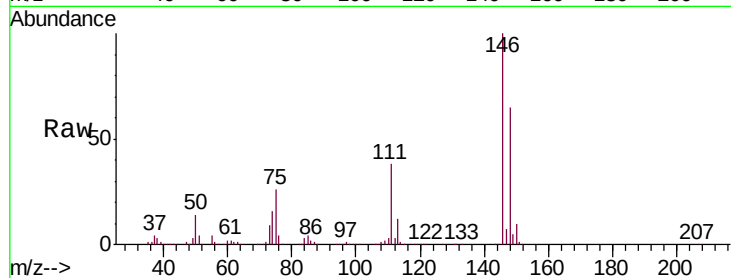




#63
 1,3-Dichlorobenzene
 Concen: 23.253 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013971.D
 Acq: 11 Nov 2019 20:37

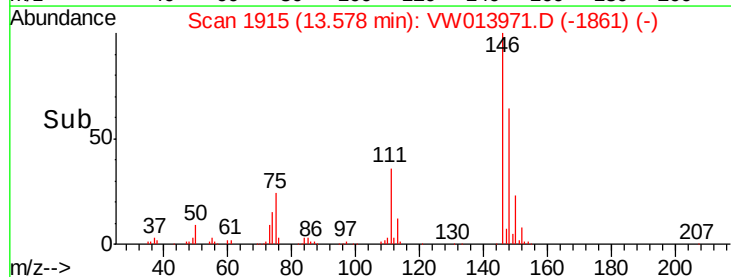
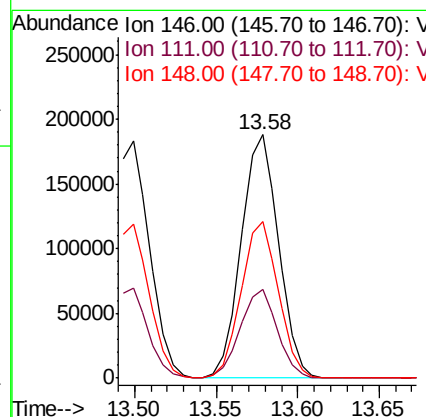
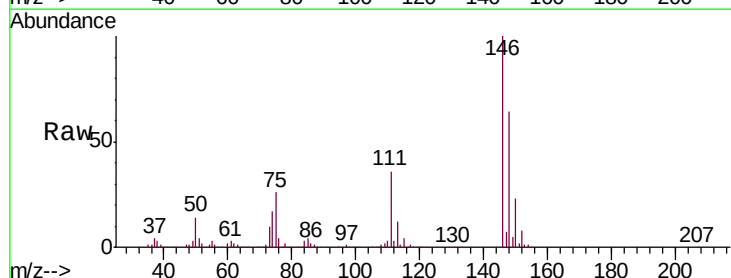
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

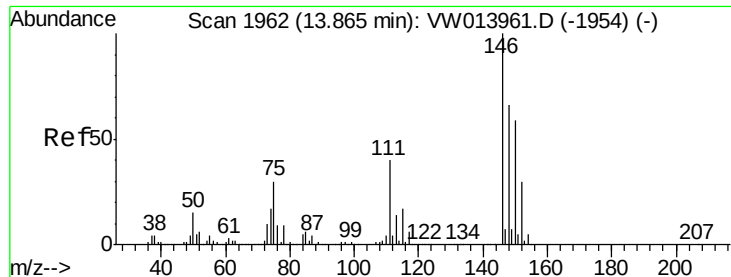
Tgt Ion:146 Resp: 297671
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.0 48.2
 148 64.9 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 23.744 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013971.D
 Acq: 11 Nov 2019 20:37

Tgt Ion:146 Resp: 300310
 Ion Ratio Lower Upper
 146 100
 111 36.2 24.9 46.3
 148 64.4 43.9 81.5

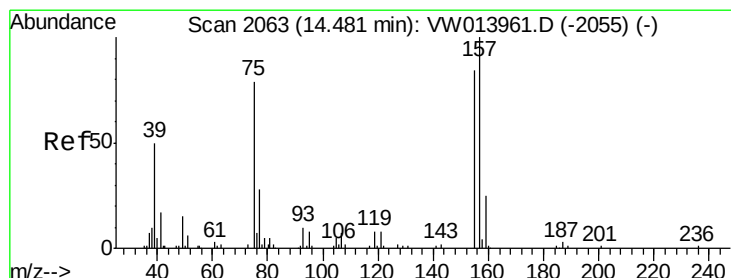
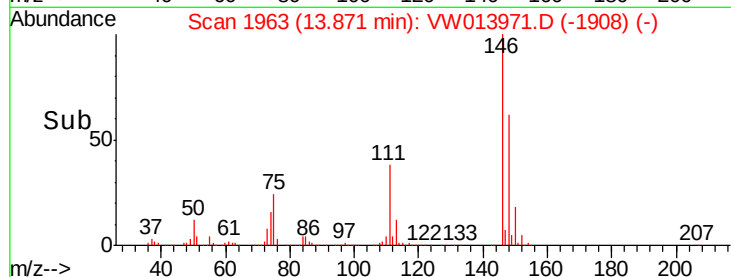
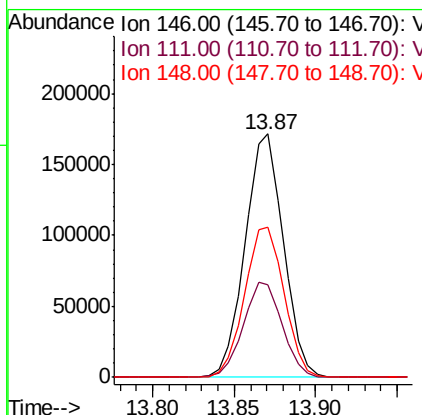
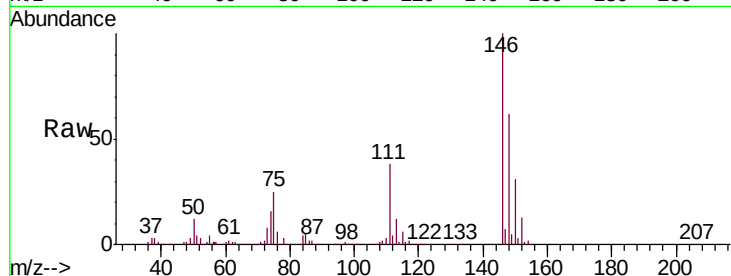




#65
 1,2-Dichlorobenzene
 Concen: 24.747 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013971.D
 Acq: 11 Nov 2019 20:37

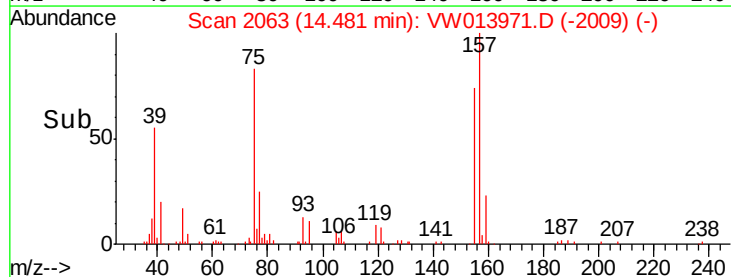
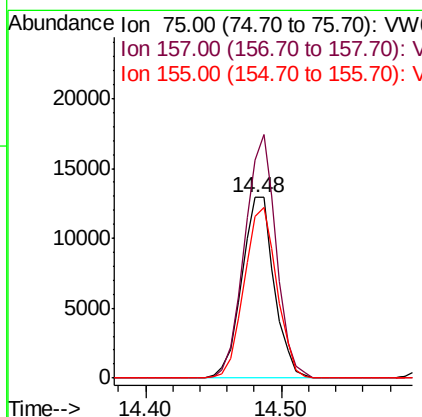
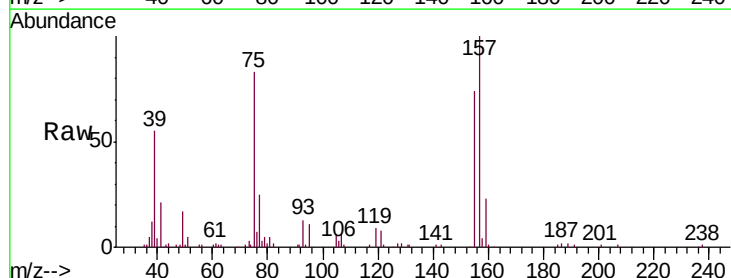
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

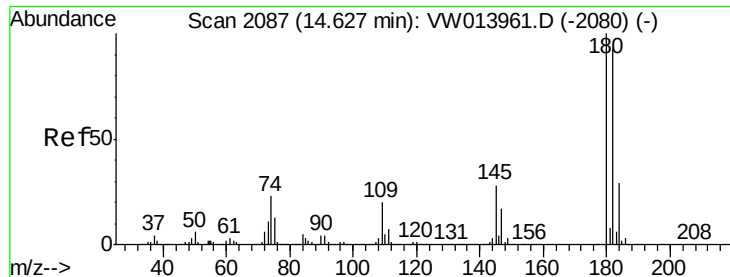
Tgt Ion: 146 Resp: 280525
 Ion Ratio Lower Upper
 146 100
 111 38.0 30.5 45.7
 148 61.7 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.872 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013971.D
 Acq: 11 Nov 2019 20:37

Tgt Ion: 75 Resp: 21517
 Ion Ratio Lower Upper
 75 100
 157 120.4 96.9 145.3
 155 89.2 82.9 124.3

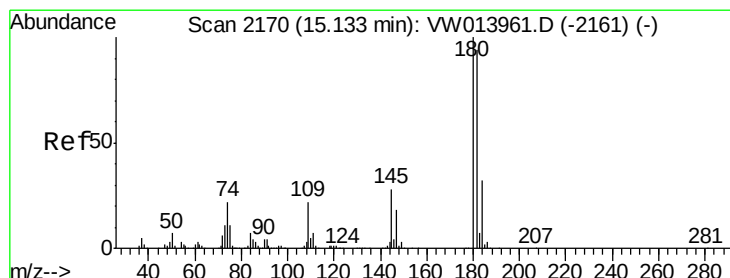
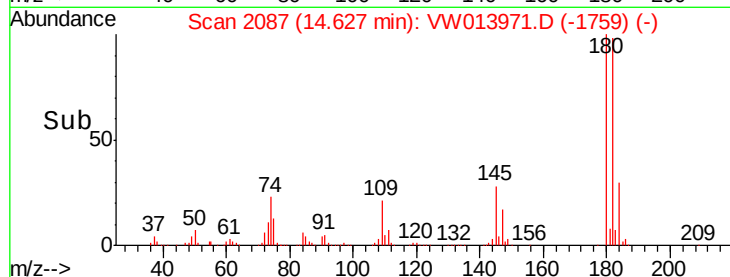
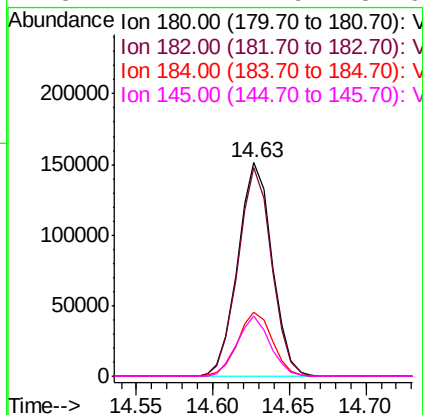
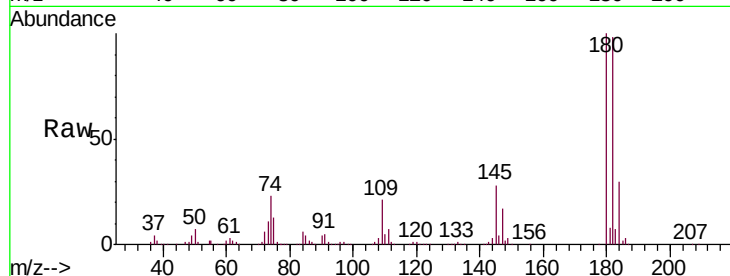




#67
 1,3,5-Trichlorobenzene
 Concen: 24.084 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013971.D
 Acq: 11 Nov 2019 20:37

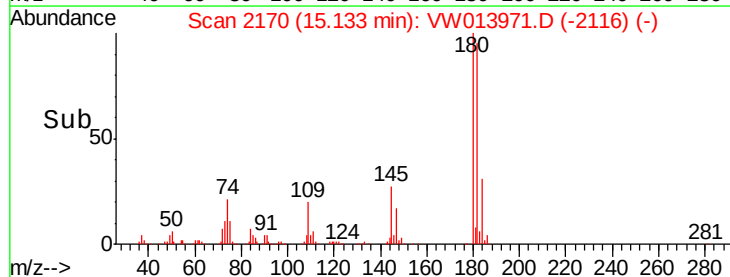
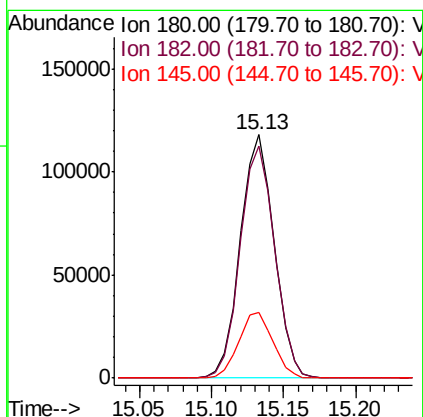
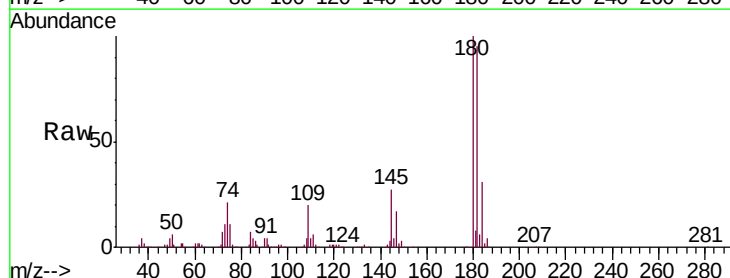
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

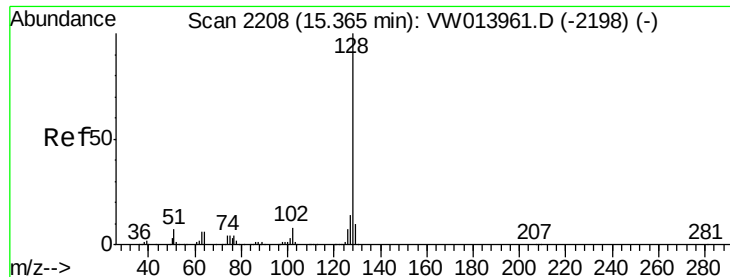
Tgt Ion:	180	Resp:	234966
Ion Ratio	Lower	Upper	
180	100		
182	95.9	76.2	114.2
184	30.2	24.3	36.5
145	27.1	21.9	32.9



#68
 1,2,4-trichlorobenzene
 Concen: 25.110 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013971.D
 Acq: 11 Nov 2019 20:37

Tgt Ion:	180	Resp:	192621
Ion Ratio	Lower	Upper	
180	100		
182	97.0	75.8	113.8
145	27.2	22.4	33.6





#69

Naphthalene

Concen: 27.878 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

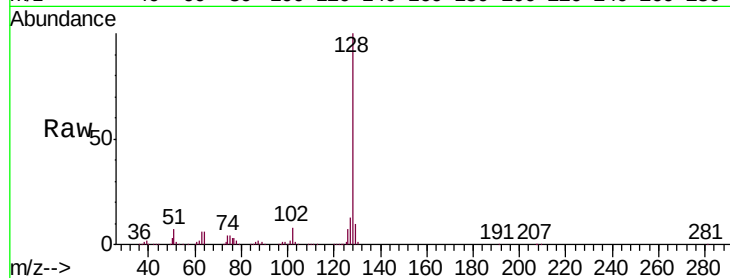
Tgt Ion:128 Resp: 379927

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

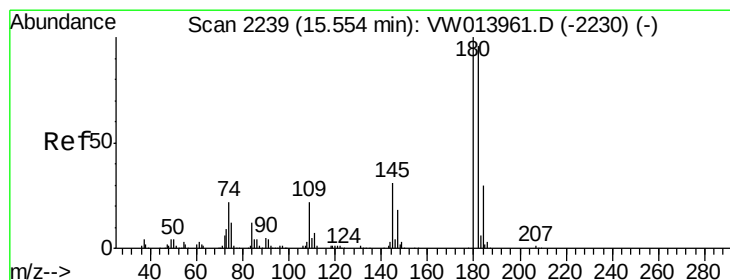
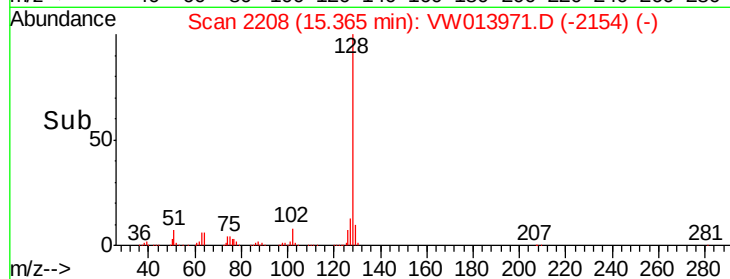
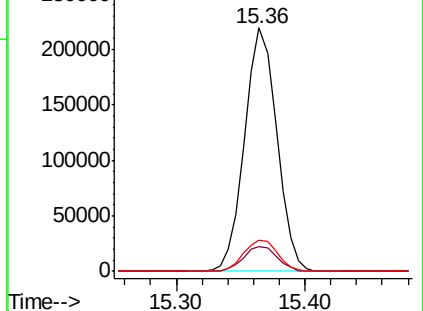
127 13.3 10.4 15.6



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: 25.943 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013971.D

Acq: 11 Nov 2019 20:37

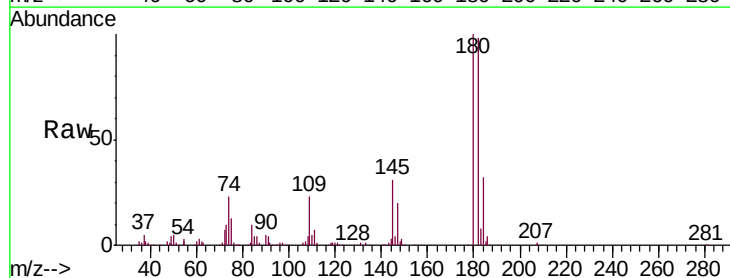
Tgt Ion:180 Resp: 175633

Ion Ratio Lower Upper

180 100

182 96.5 75.8 113.6

145 30.6 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

