

Data File : VW007434.D
Acq On : 12 Dec 2018 10:57
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

Quant Time: Dec 13 00:32:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 11 01:18:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	144207	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	128625	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	65027	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	22040	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.84%
7) Chloroethane-d5	2.90	69	16616	20.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.56%
10) 1,1-Dichloroethene-d2	4.01	63	77940	24.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.24%
20) 2-Butanone-d5	7.07	46	19474	32.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.78%
24) Chloroform-d	7.65	84	79397	23.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.36%
26) 1,2-Dichloroethane-d4	8.31	65	42528	21.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.88%
29) Benzene-d6	8.27	84	149160	21.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.40%
33) 1,2-Dichloropropane-d6	9.27	67	42644	21.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.56%
37) Toluene-d8	10.32	98	146262	22.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.32%
38) trans-1,3-Dichloropropene-	10.58	79	22221	21.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.20%
39) 2-Hexanone-d5	10.92	63	16255	33.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	36316	19.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.96%
61) 1,2-Dichlorobenzene-d4	13.86	152	53435	23.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	38937	24.724 ug/L	95
3) Chloromethane	2.22	50	25022	19.847 ug/L	100
5) Vinyl chloride	2.37	62	30298	25.473 ug/L	97
6) Bromomethane	2.78	94	18971	23.060 ug/L	99
8) Chloroethane	2.93	64	16224	22.660 ug/L	90
9) Trichlorofluoromethane	3.26	101	29211	21.395 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	45303	24.891 ug/L	98
12) 1,1-Dichloroethene	4.03	96	42333	24.997 ug/L	94
13) Acetone	4.12	43	22764	33.065 ug/L	100
14) Carbon disulfide	4.37	76	124930	25.265 ug/L	99
15) Methyl Acetate	4.67	43	18057	17.491 ug/L #	89
16) Methylene chloride	4.91	84	43752	18.777 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	61594	22.367 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	44456	24.468 ug/L	95
19) 1,1-Dichloroethane	6.21	63	76205	24.606 ug/L	96
21) 2-Butanone	7.17	43	25456	34.401 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	48086	24.051 ug/L	98

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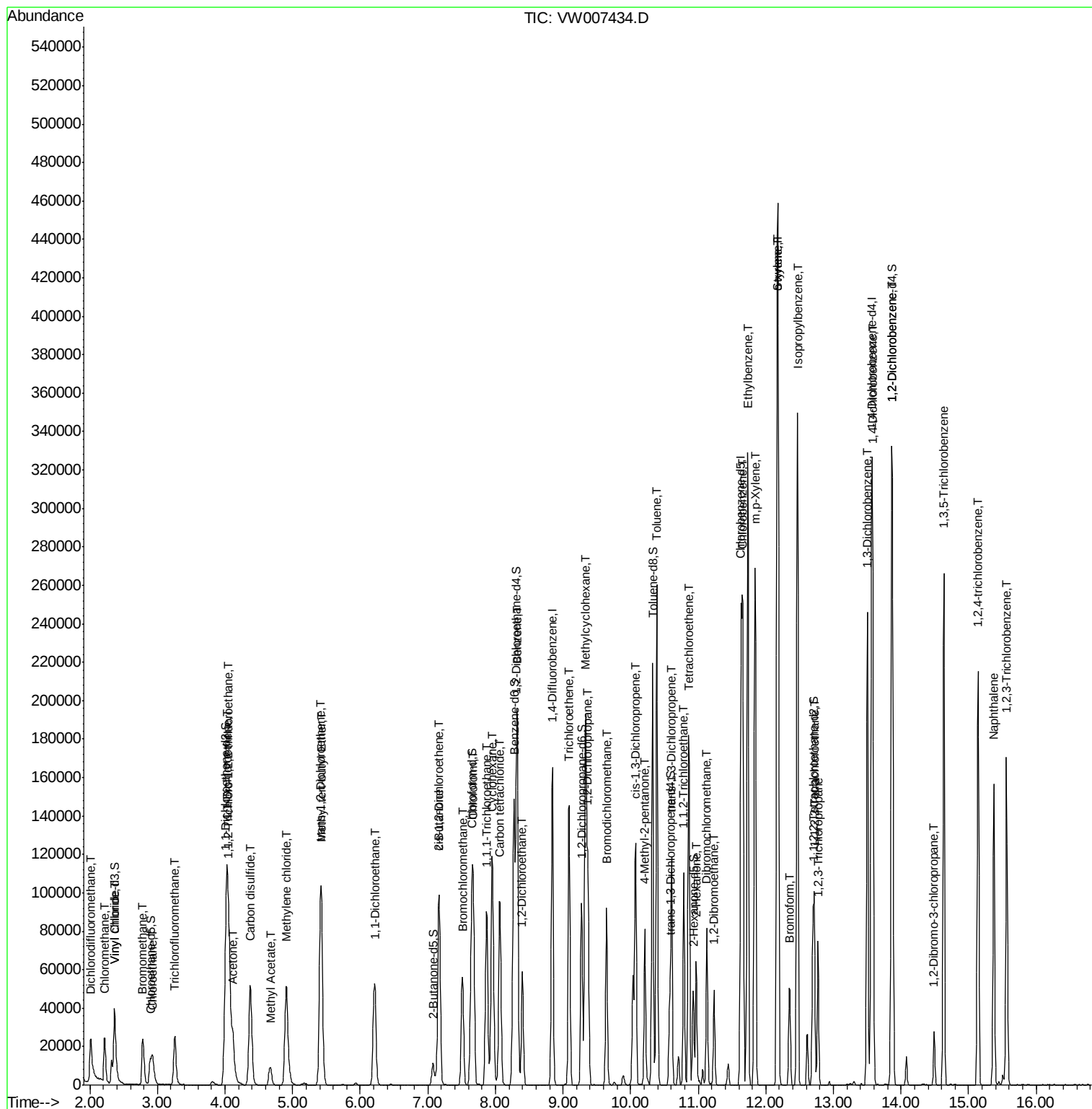
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	21572	23.668	ug/L	92
25) Chloroform	7.67	83	84098	25.097	ug/L	100
27) 1,2-Dichloroethane	8.40	62	56019	23.386	ug/L	99
30) Cyclohexane	7.95	56	70132	22.728	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	76015	25.110	ug/L	99
32) Carbon tetrachloride	8.06	117	72843	24.900	ug/L	98
34) Benzene	8.32	78	171577	23.272	ug/L	100
35) Trichloroethene	9.09	95	49879	23.593	ug/L	99
36) Methylcyclohexane	9.34	83	84713	23.212	ug/L	98
40) 1,2-Dichloropropane	9.37	63	41910	23.239	ug/L	100
41) Bromodichloromethane	9.64	83	61716	23.833	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	70469	23.267	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	50281	35.224	ug/L	99
44) Toluene	10.39	91	195779	24.637	ug/L	93
45) trans-1,3-Dichloropropene	10.60	75	62022	23.319	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	34052	22.931	ug/L	97
47) Tetrachloroethene	10.86	164	39717	24.870	ug/L	95
49) 2-Hexanone	10.97	43	35957	35.841	ug/L	98
50) Dibromochloromethane	11.13	129	43940	24.086	ug/L	100
51) 1,2-Dibromoethane	11.24	107	33558	22.501	ug/L	91
52) Chlorobenzene	11.66	112	128861	24.985	ug/L	95
53) Ethylbenzene	11.73	91	227782	25.491	ug/L	97
54) m,p-Xylene	11.84	106	86480	25.477	ug/L	88
55) o-xylene	12.17	106	83056	25.892	ug/L	99
56) Styrene	12.18	104	141500	25.733	ug/L	95
57) Isopropylbenzene	12.47	105	234472	26.189	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	39968	21.711	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	30123	20.672	ug/L	99
62) Bromoform	12.35	173	24533	22.030	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	104275	24.961	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	105266	25.276	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	95636	25.580	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	7351	18.564	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	77518	25.616	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	65723	25.191	ug/L	96
69) Naphthalene	15.37	128	137758	21.361	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	57857	24.393	ug/L	98

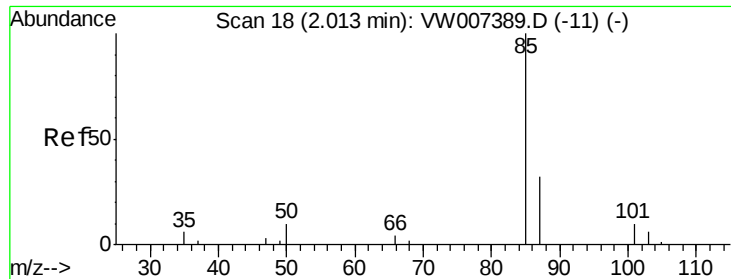
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.724 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

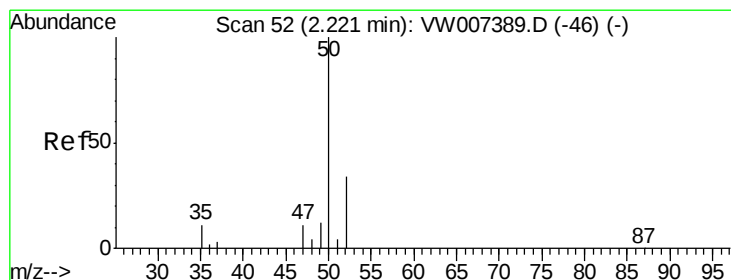
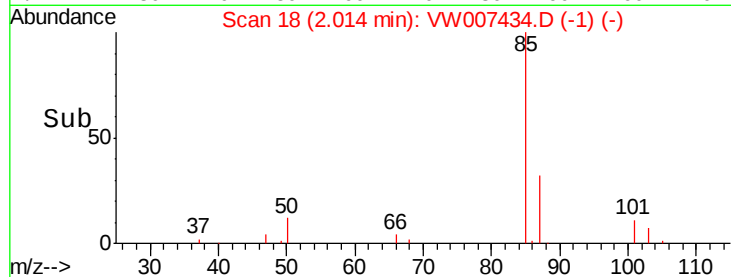
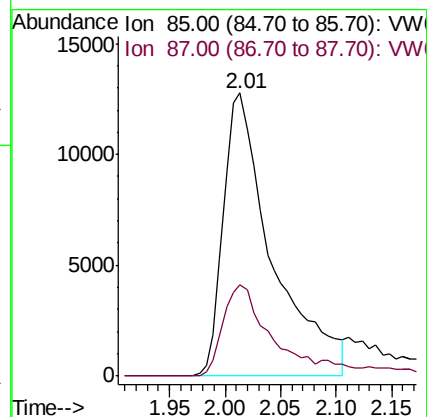
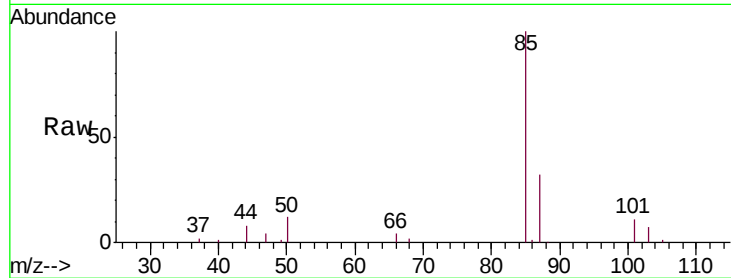
VSTD02586

Tgt Ion: 85 Resp: 38937

Ion Ratio Lower Upper

85 100

87 30.1 23.2 43.0



#3

Chloromethane

Concen: 19.847 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW007434.D

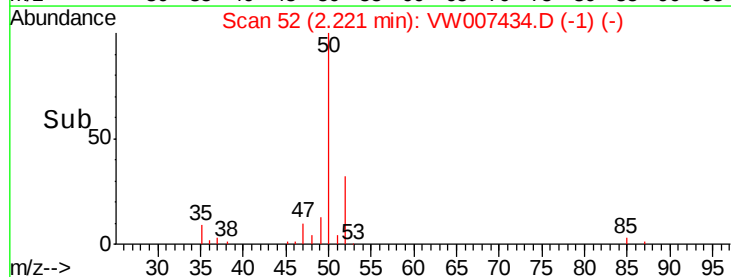
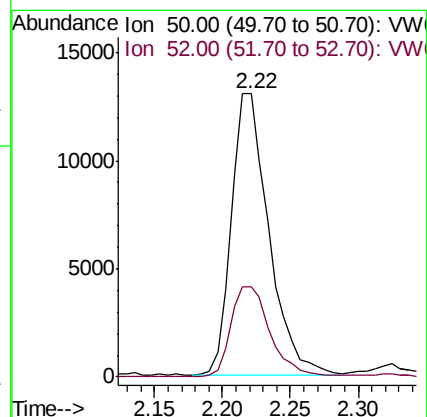
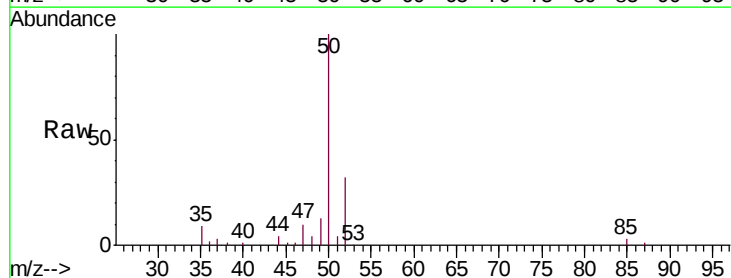
Acq: 12 Dec 2018 10:57

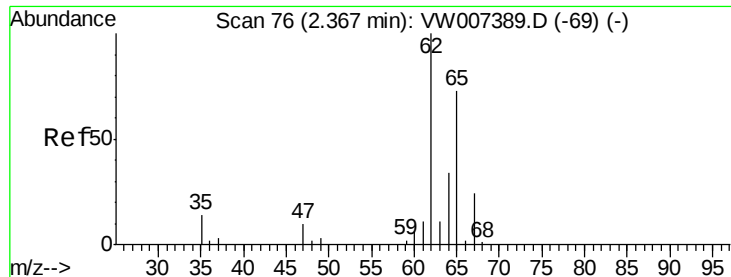
Tgt Ion: 50 Resp: 25022

Ion Ratio Lower Upper

50 100

52 31.7 22.2 41.2





#5

Vinyl chloride

Concen: 25.473 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

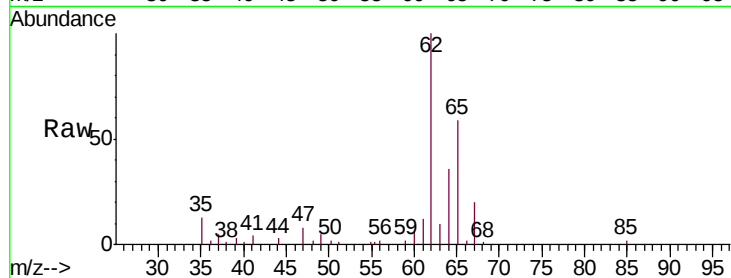
VSTD02586

Tgt Ion: 62 Resp: 30298

Ion Ratio Lower Upper

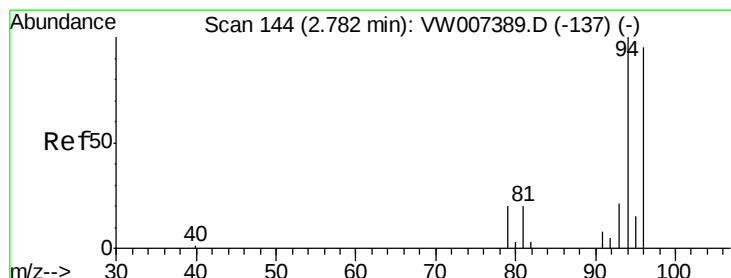
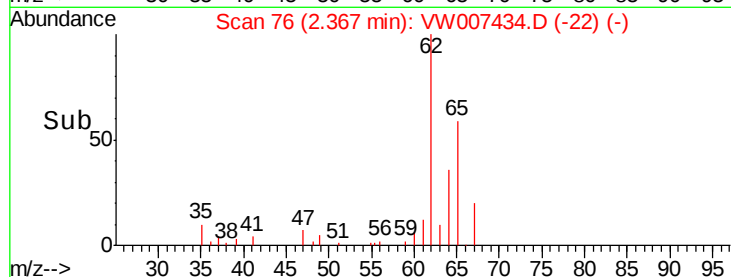
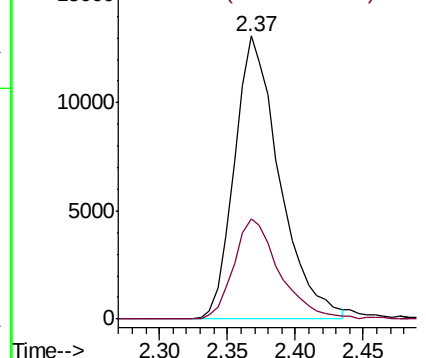
62 100

64 35.6 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 23.060 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW007434.D

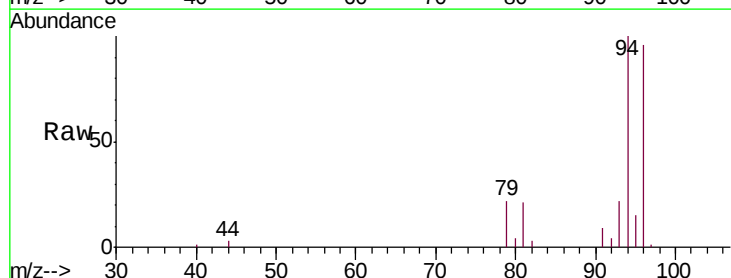
Acq: 12 Dec 2018 10:57

Tgt Ion: 94 Resp: 18971

Ion Ratio Lower Upper

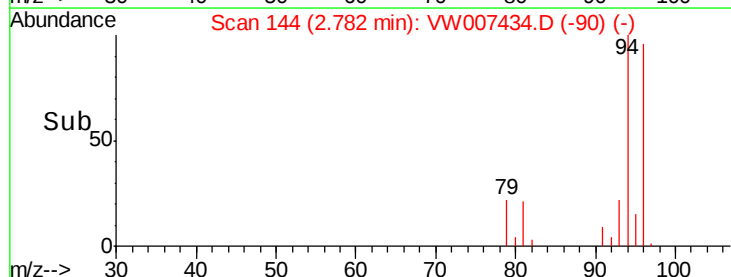
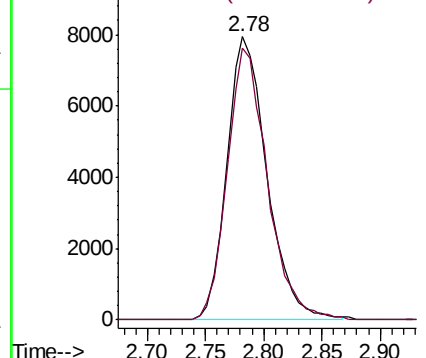
94 100

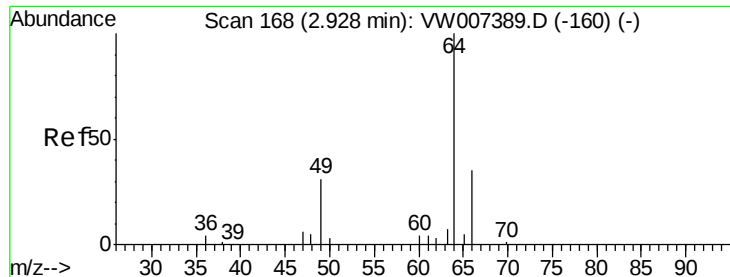
96 96.3 9.6 181.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 22.660 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

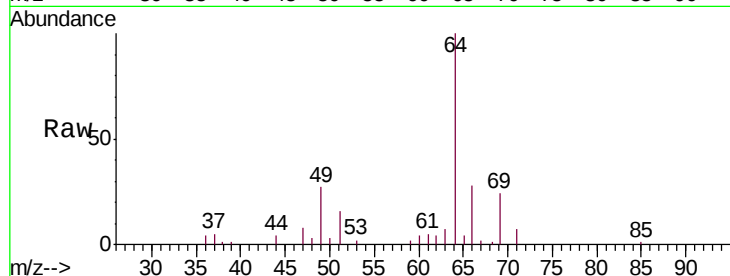
VSTD02586

Tgt Ion: 64 Resp: 16224

Ion Ratio Lower Upper

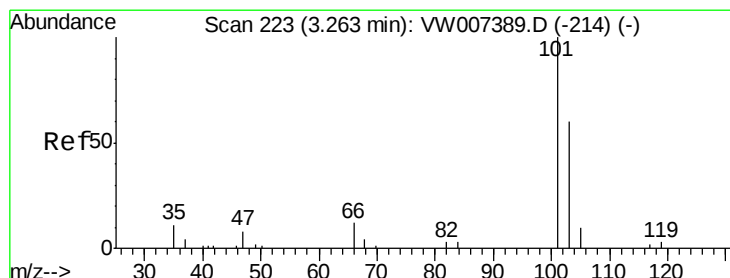
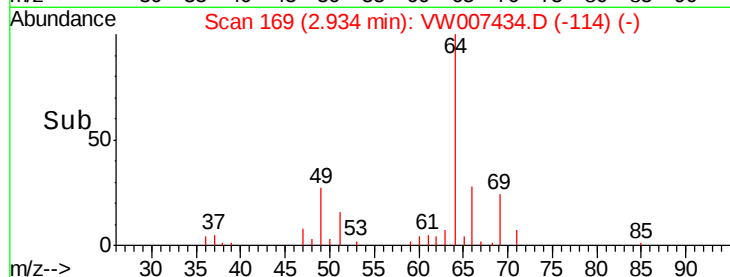
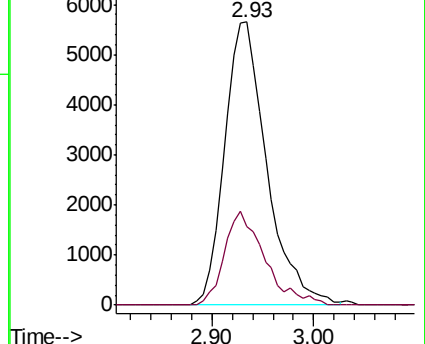
64 100

66 27.6 23.2 43.2



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 21.395 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW007434.D

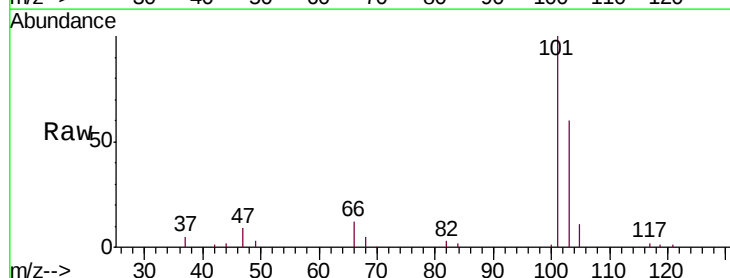
Acq: 12 Dec 2018 10:57

Tgt Ion: 101 Resp: 29211

Ion Ratio Lower Upper

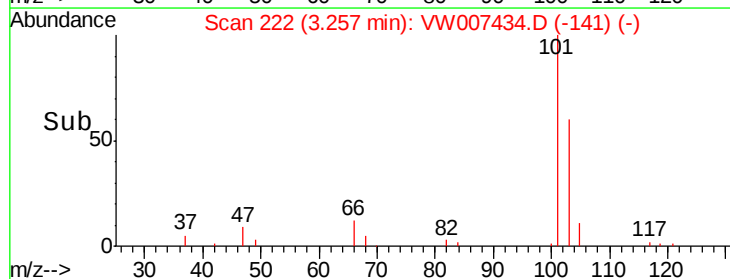
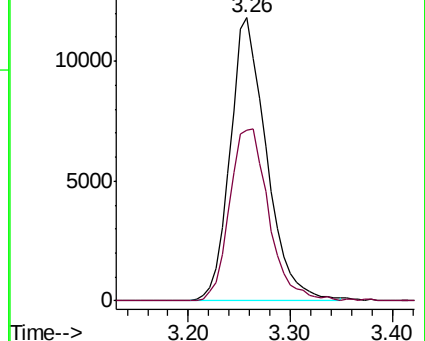
101 100

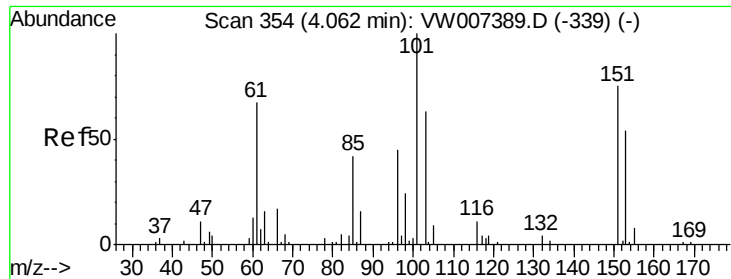
103 65.2 44.7 82.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 24.891 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW007434.D

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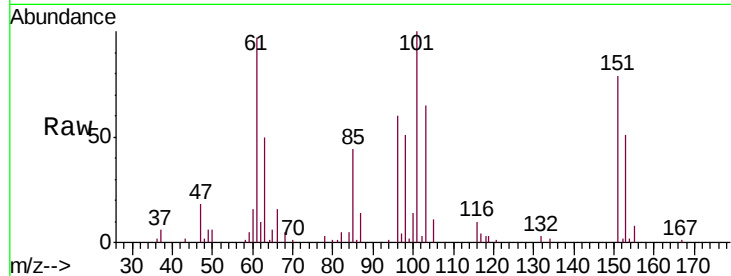
Tgt Ion: 101 Resp: 45303

Ion Ratio Lower Upper

101 100

85 40.0 35.4 53.2

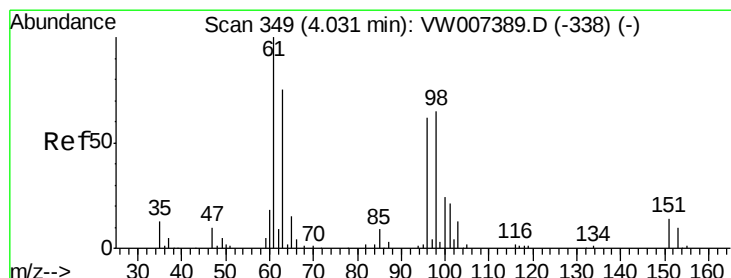
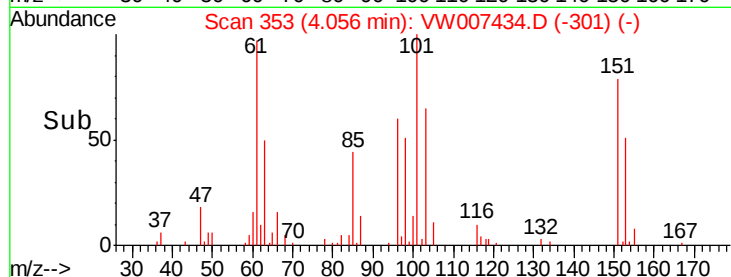
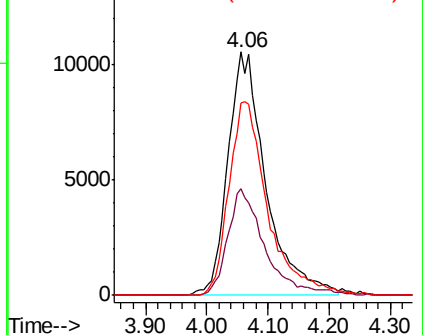
151 80.9 64.8 97.2



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: 24.997 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

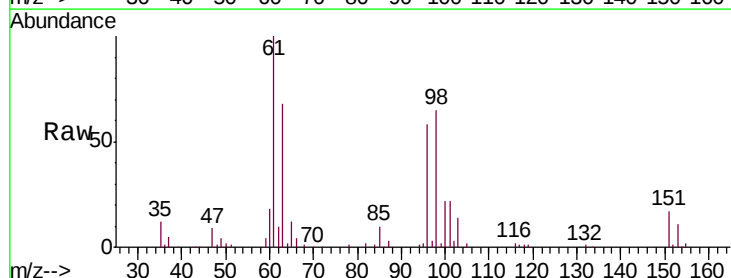
Tgt Ion: 96 Resp: 42333

Ion Ratio Lower Upper

96 100

61 171.2 117.2 217.8

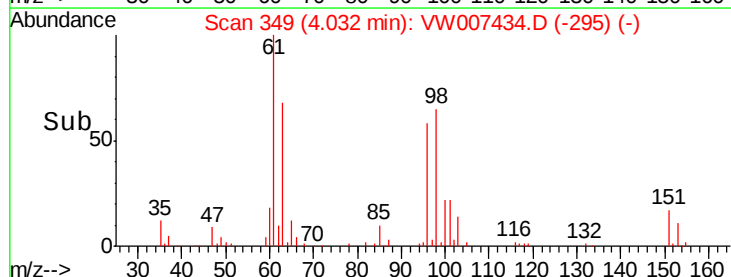
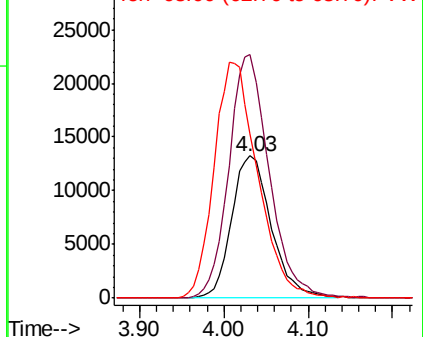
63 115.9 89.7 166.7

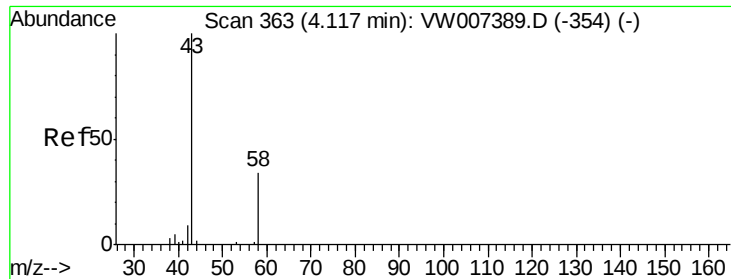


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 33.065 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

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ClientSampleId :

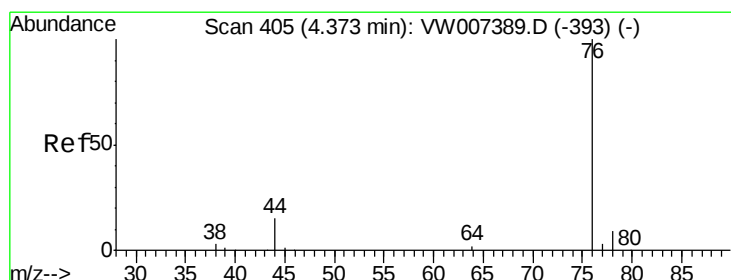
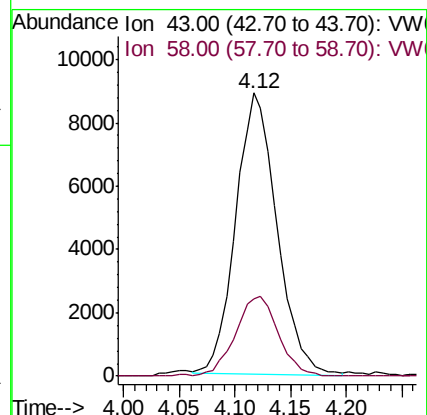
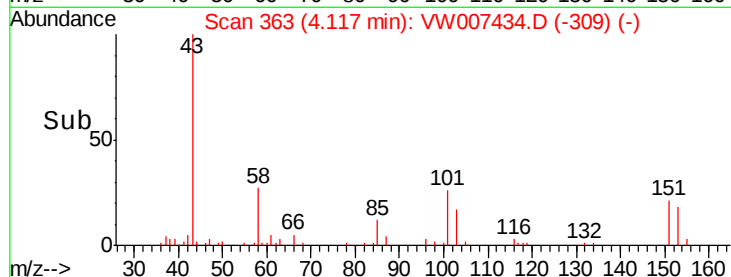
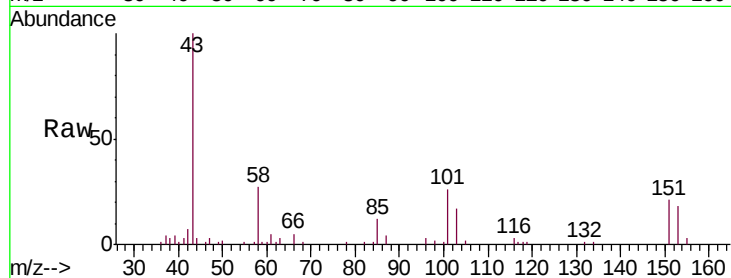
VSTD02586

Tgt Ion: 43 Resp: 22764

Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.2



#14

Carbon disulfide

Concen: 25.265 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW007434.D

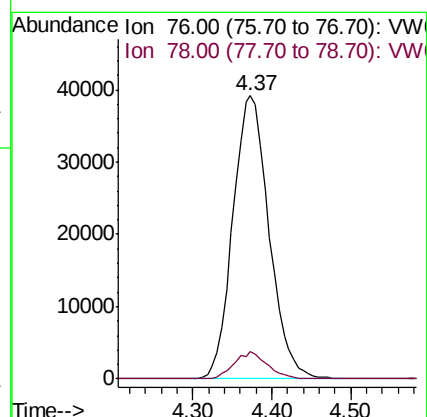
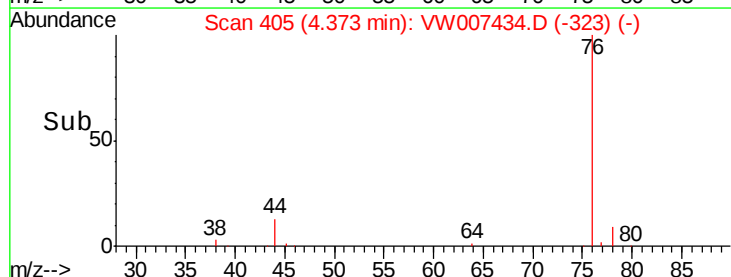
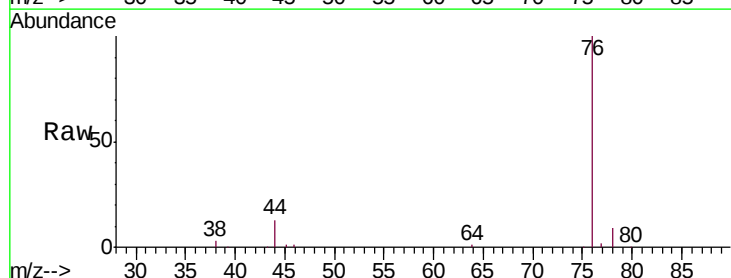
Acq: 12 Dec 2018 10:57

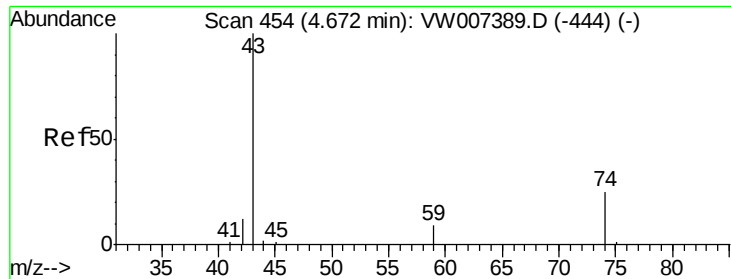
Tgt Ion: 76 Resp: 124930

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

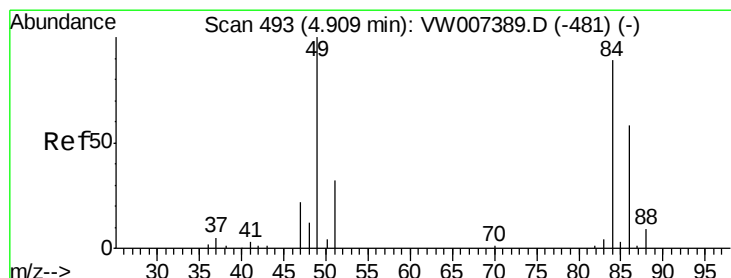
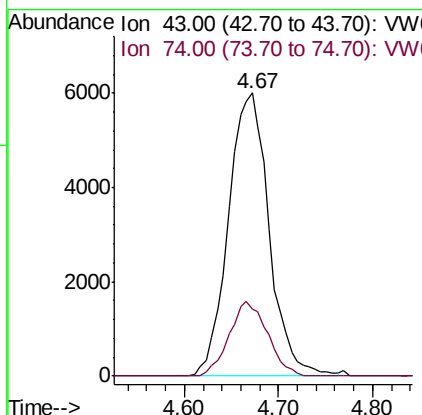
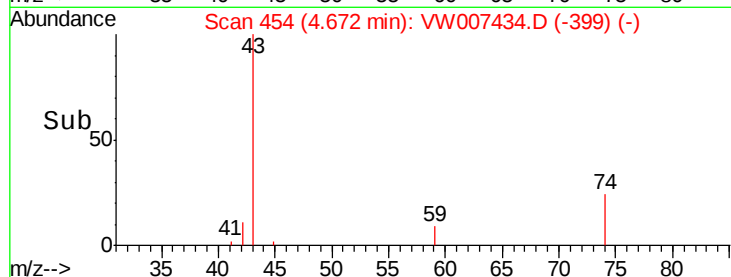
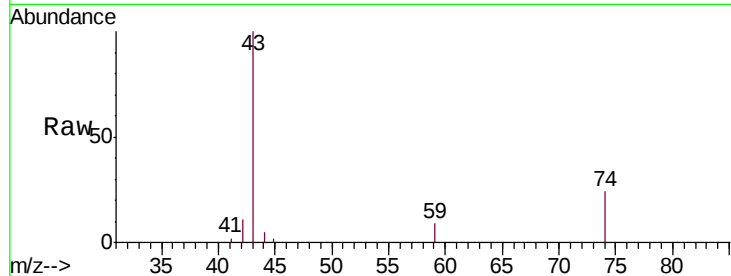




#15
Methyl Acetate
Concen: 17.491 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007434.D
Acq: 12 Dec 2018 10:57

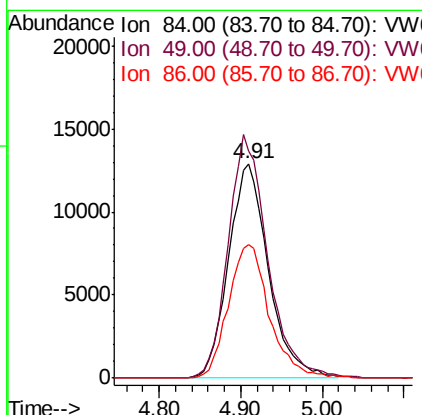
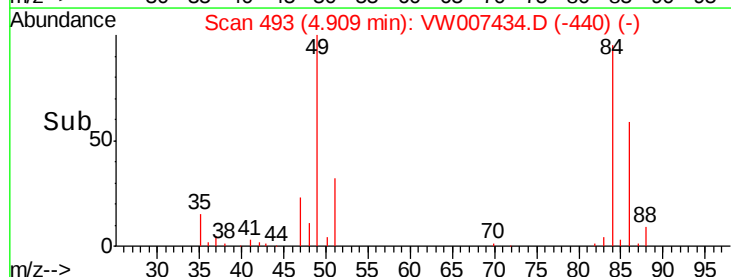
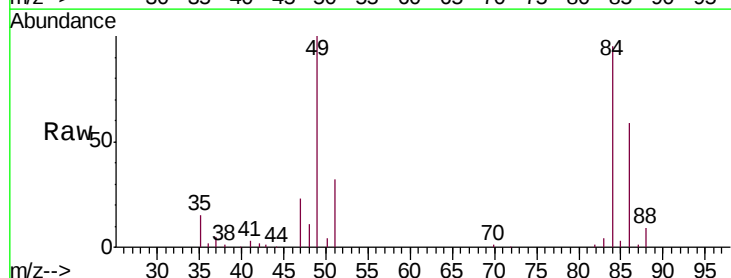
Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

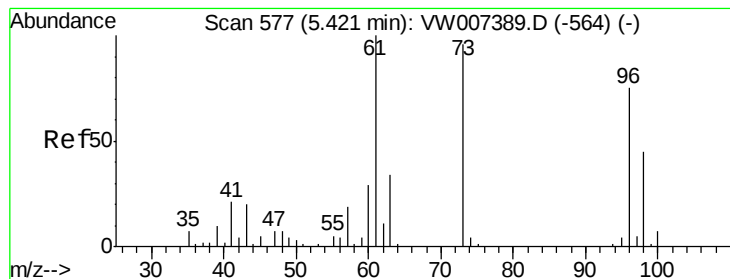
Tgt Ion: 43 Resp: 18057
Ion Ratio Lower Upper
43 100
74 24.8 0.1 0.1#



#16
Methylene chloride
Concen: 18.777 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW007434.D
Acq: 12 Dec 2018 10:57

Tgt Ion: 84 Resp: 43752
Ion Ratio Lower Upper
84 100
49 105.8 80.8 150.2
86 62.4 45.8 85.2



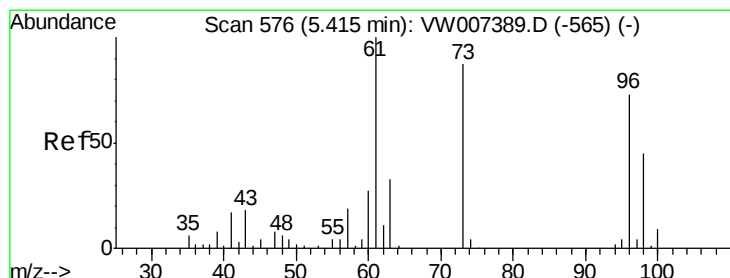
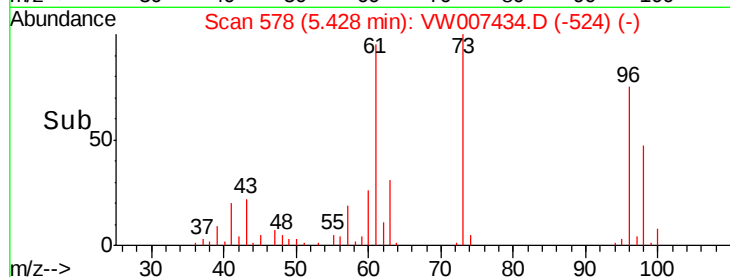
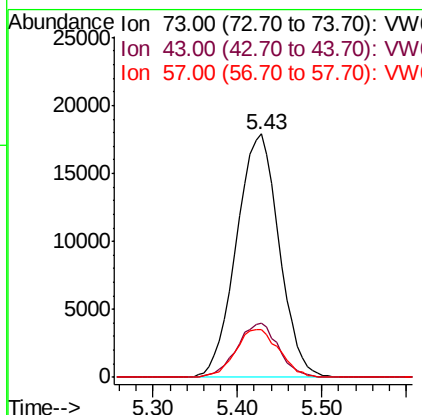
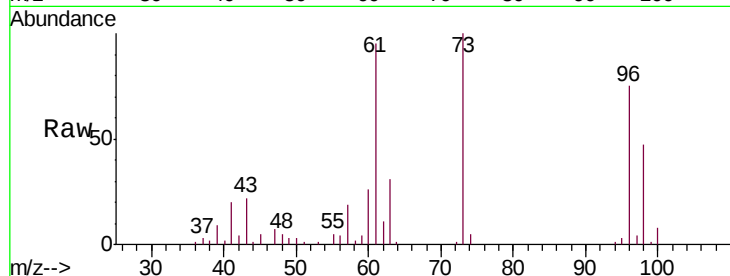


#17

Methyl tert-butyl Ether
 Concen: 22.367 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW007434.D
 Acq: 12 Dec 2018 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

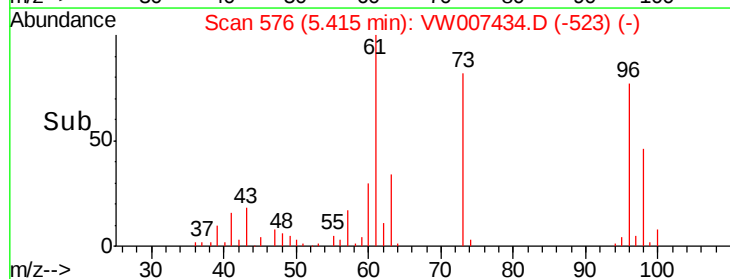
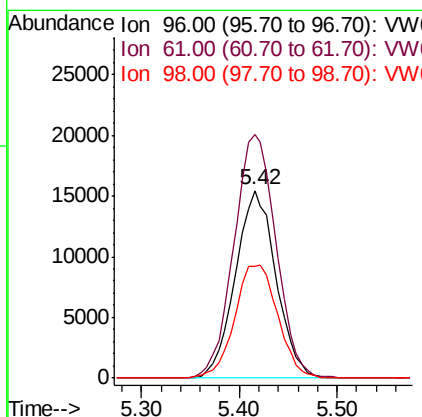
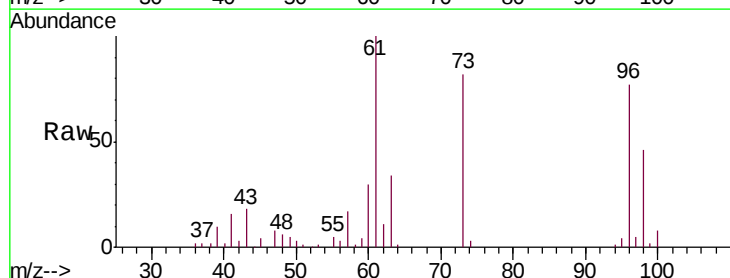
Tgt Ion: 73 Resp: 61594
 Ion Ratio Lower Upper
 73 100
 43 21.6 17.3 25.9
 57 20.1 17.0 25.6

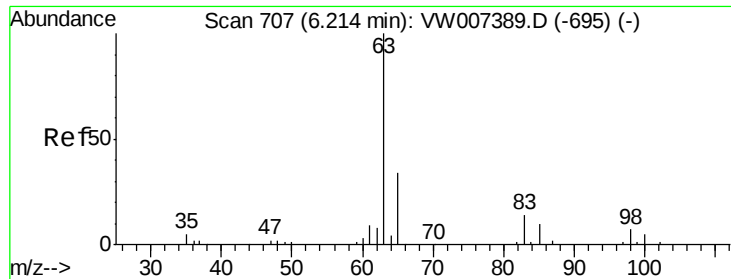


#18

trans-1,2-Dichloroethene
 Concen: 24.468 ug/L
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW007434.D
 Acq: 12 Dec 2018 10:57

Tgt Ion: 96 Resp: 44456
 Ion Ratio Lower Upper
 96 100
 61 129.8 94.6 175.8
 98 59.5 45.1 83.7

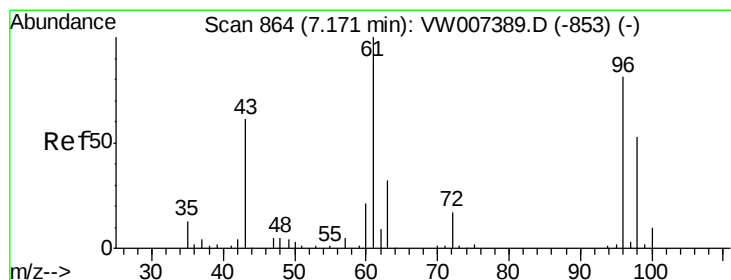
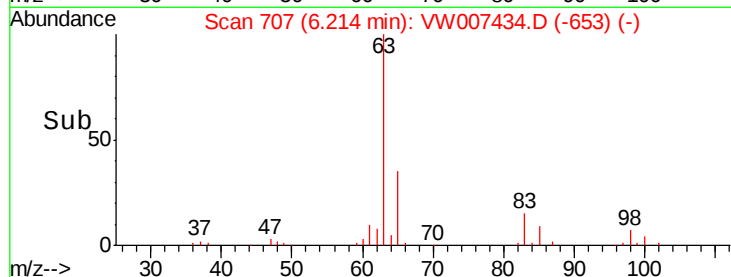
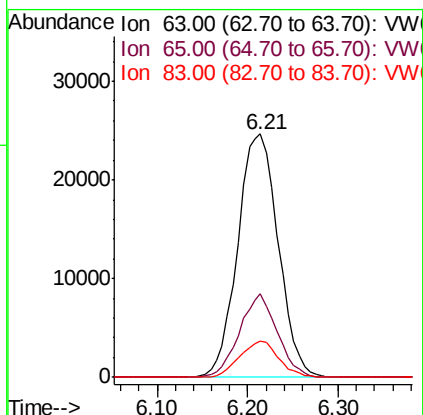
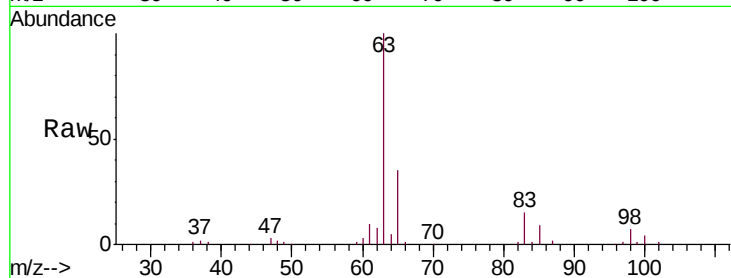




#19
 1,1-Dichloroethane
 Concen: 24.606 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW007434.D
 Acq: 12 Dec 2018 10:57

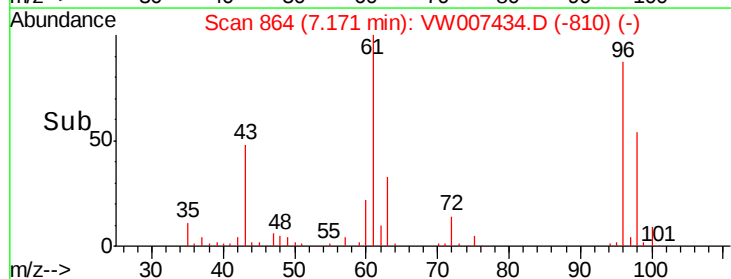
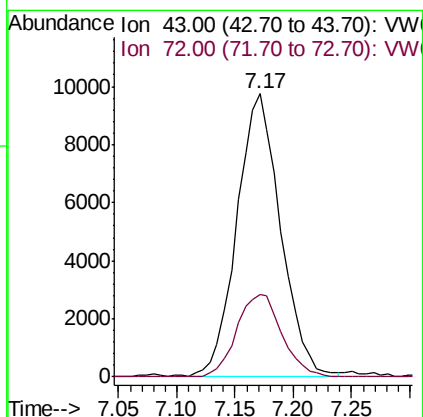
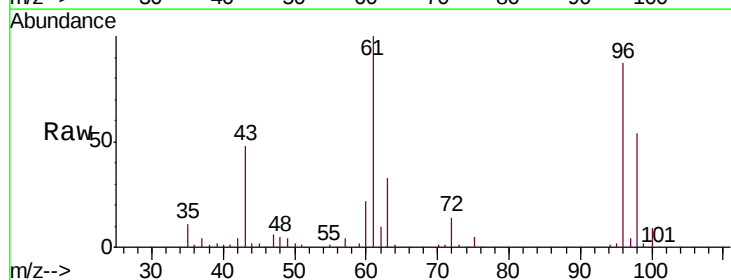
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

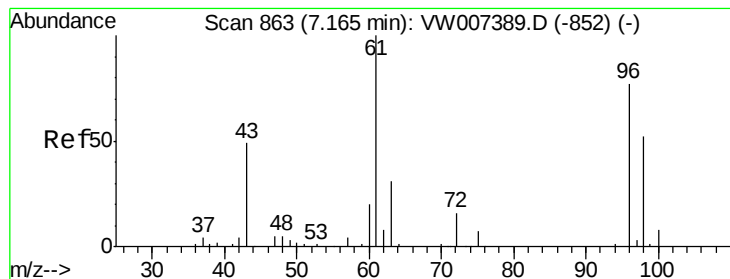
Tgt Ion: 63 Resp: 76205
 Ion Ratio Lower Upper
 63 100
 65 34.5 22.1 41.1
 83 15.1 9.8 18.2



#21
 2-Butanone
 Concen: 34.401 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW007434.D
 Acq: 12 Dec 2018 10:57

Tgt Ion: 43 Resp: 25456
 Ion Ratio Lower Upper
 43 100
 72 30.1 14.7 44.1



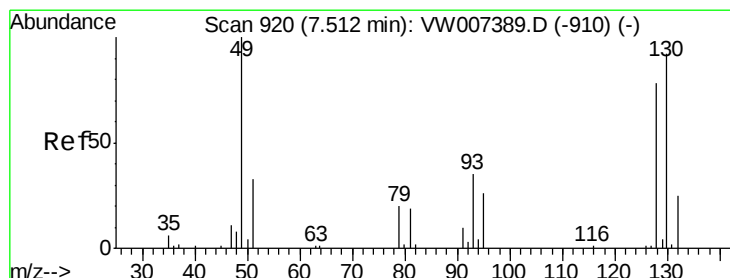
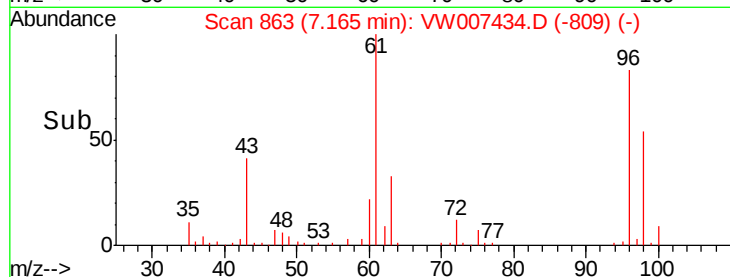
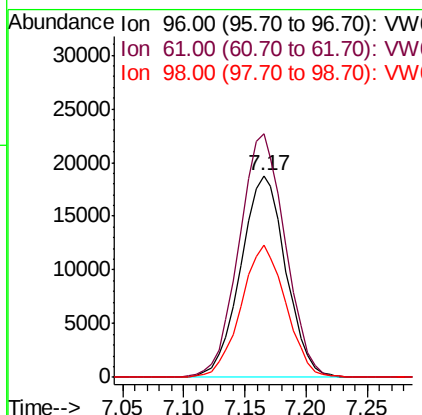
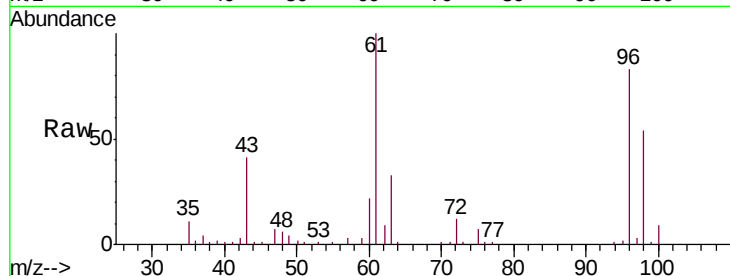


#22

cis-1,2-Dichloroethene
Concen: 24.051 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007434.D
Acq: 12 Dec 2018 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

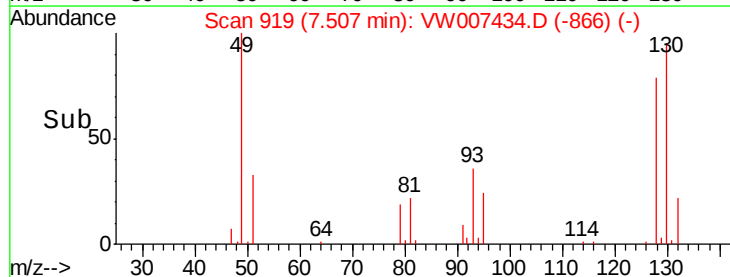
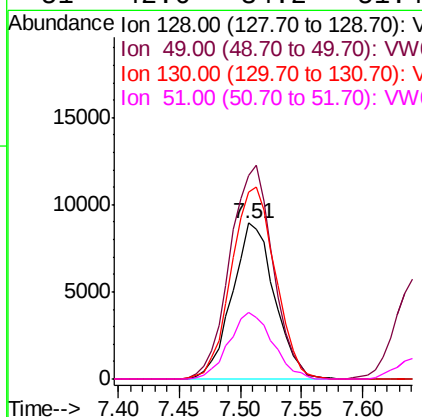
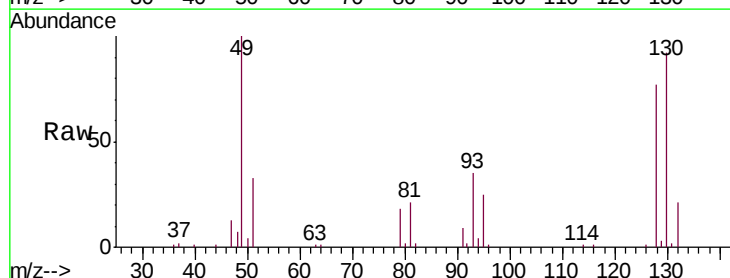
Tgt Ion: 96 Resp: 48086
Ion Ratio Lower Upper
96 100
61 120.5 84.6 157.2
98 65.7 42.9 79.7

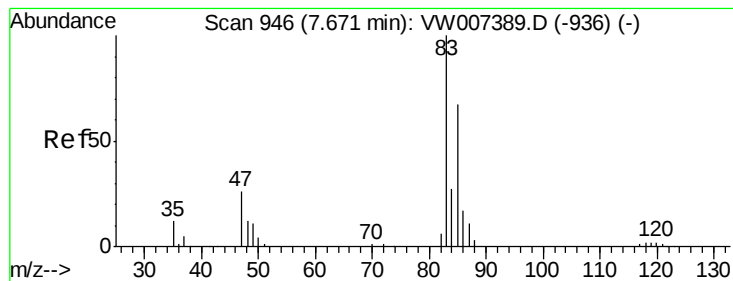


#23

Bromochloromethane
Concen: 23.668 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007434.D
Acq: 12 Dec 2018 10:57

Tgt Ion: 128 Resp: 21572
Ion Ratio Lower Upper
128 100
49 130.6 102.3 190.1
130 119.6 88.0 163.4
51 42.6 34.2 51.4





#25

Chloroform

Concen: 25.097 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

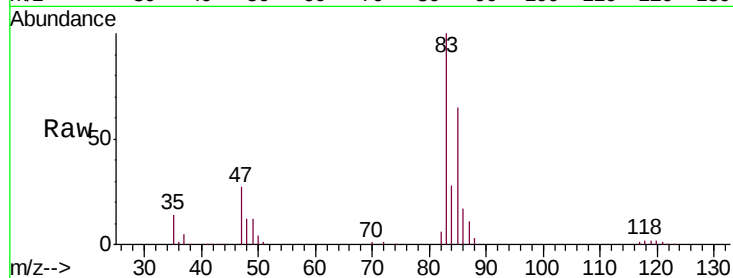
VSTD02586

Tgt Ion: 83 Resp: 84098

Ion Ratio Lower Upper

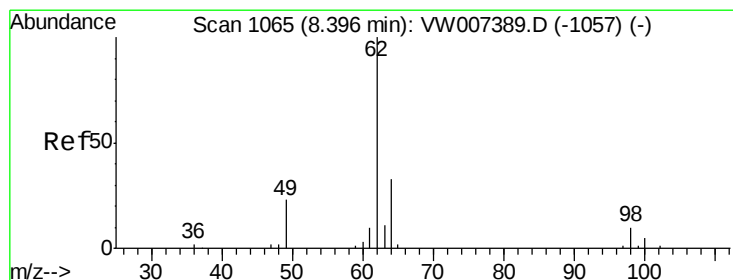
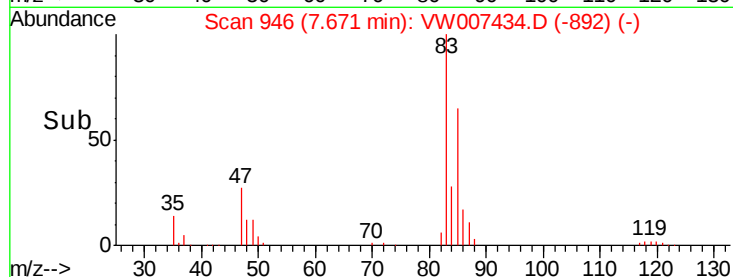
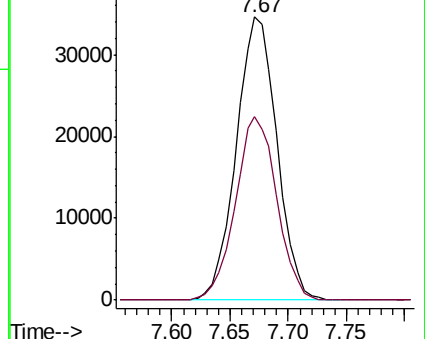
83 100

85 65.9 46.0 85.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 23.386 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW007434.D

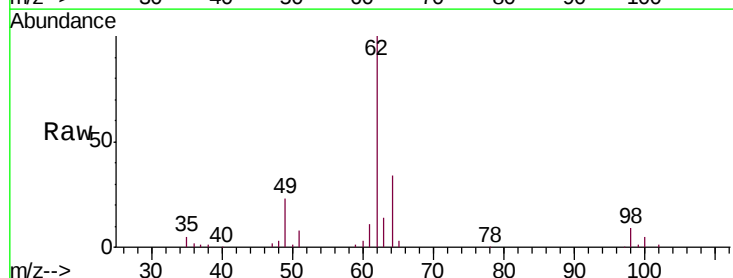
Acq: 12 Dec 2018 10:57

Tgt Ion: 62 Resp: 56019

Ion Ratio Lower Upper

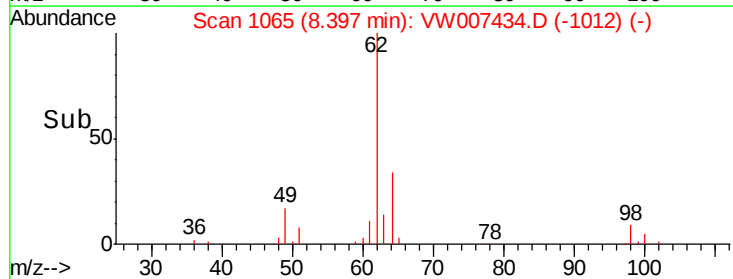
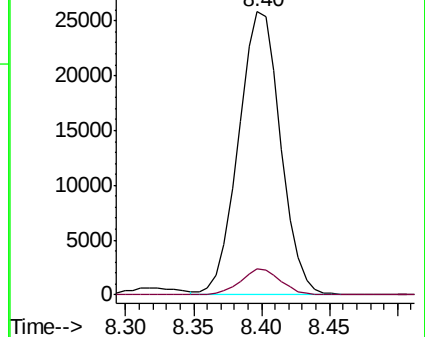
62 100

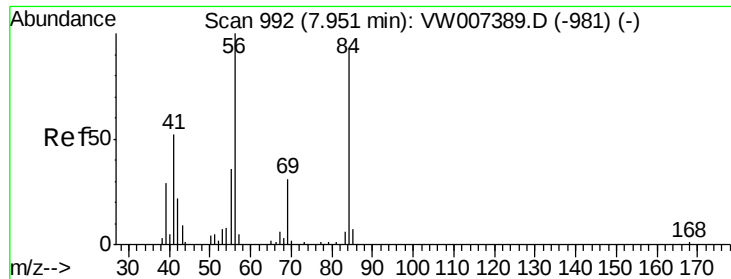
98 9.0 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

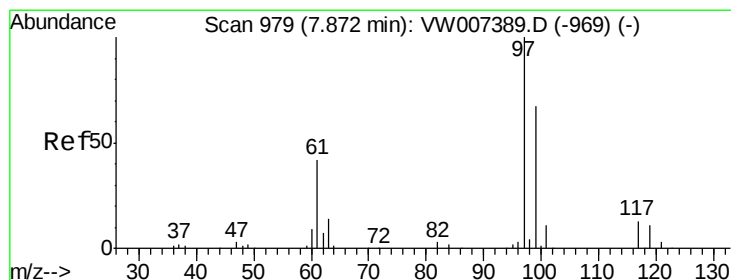
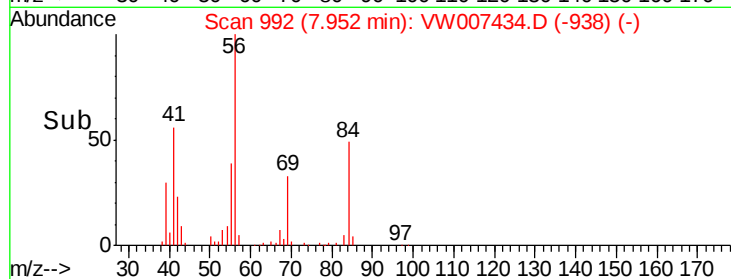
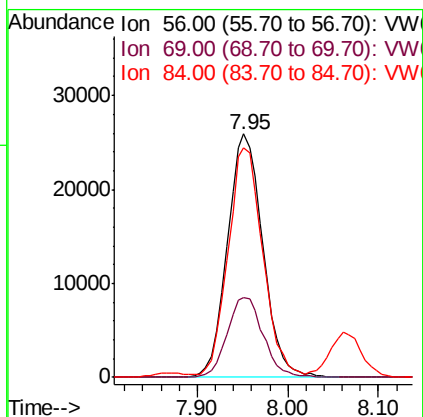
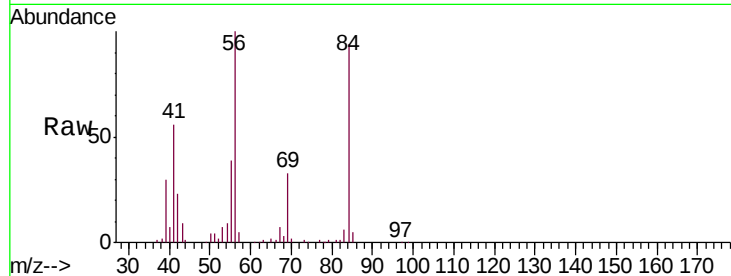




#30
Cyclohexane
Concen: 22.728 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007434.D
Acq: 12 Dec 2018 10:57

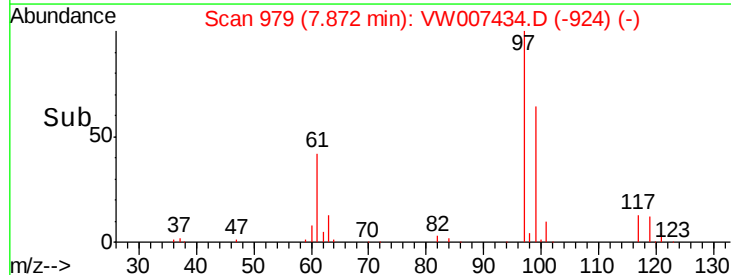
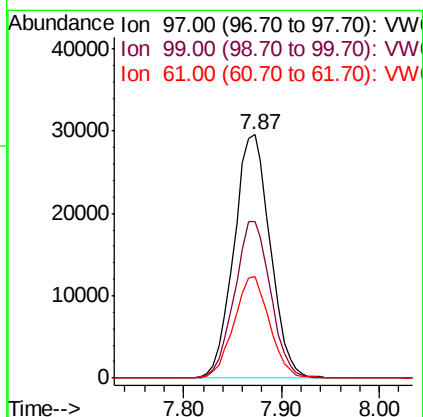
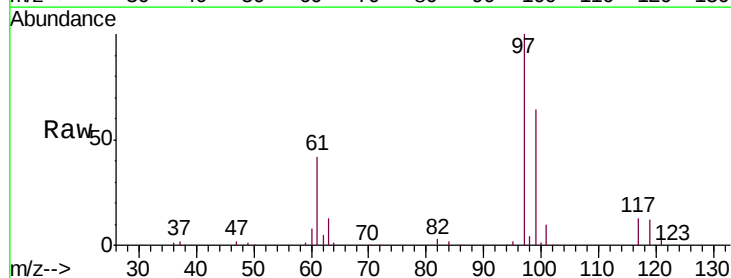
Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

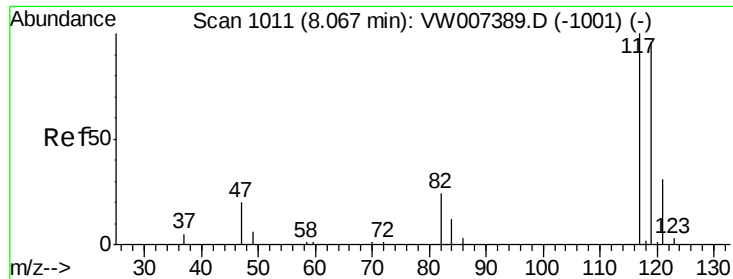
Tgt Ion: 56 Resp: 70132
Ion Ratio Lower Upper
56 100
69 33.1 26.0 39.0
84 93.3 73.6 110.4



#31
1,1,1-Trichloroethane
Concen: 25.110 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007434.D
Acq: 12 Dec 2018 10:57

Tgt Ion: 97 Resp: 76015
Ion Ratio Lower Upper
97 100
99 63.9 51.3 76.9
61 40.9 33.2 49.8





#32

Carbon tetrachloride

Concen: 24.900 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

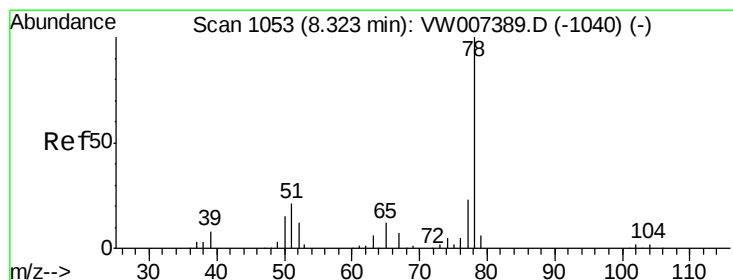
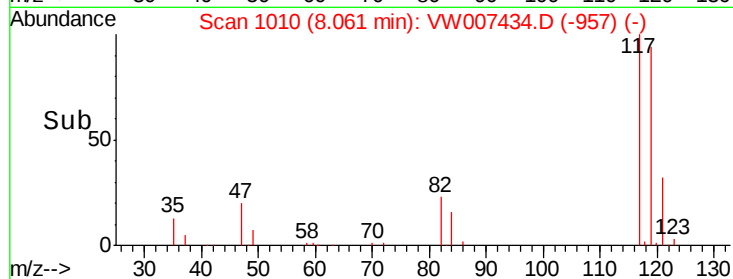
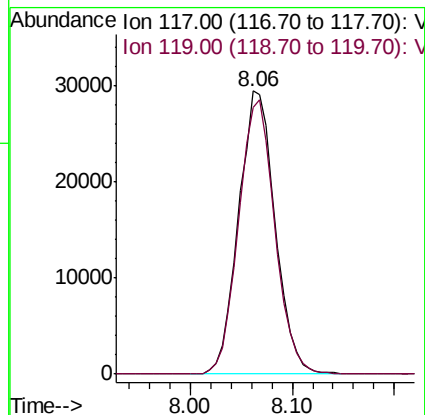
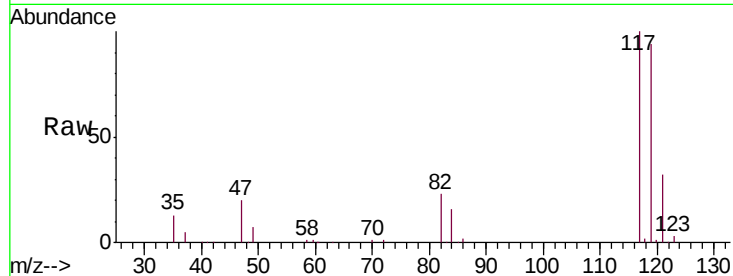
VSTD02586

Tgt Ion:117 Resp: 72843

Ion Ratio Lower Upper

117 100

119 96.3 75.3 112.9



#34

Benzene

Concen: 23.272 ug/L

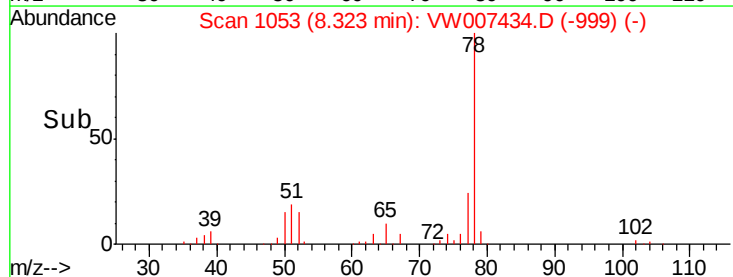
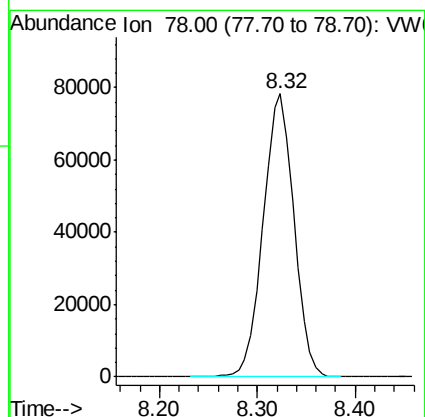
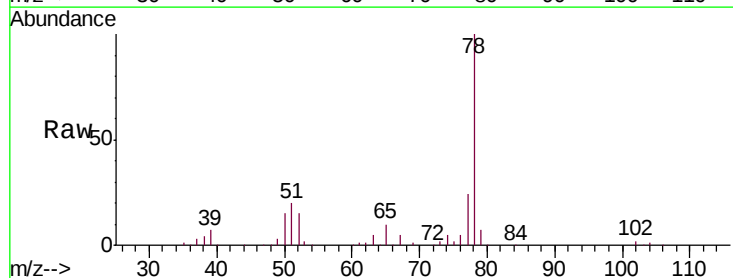
RT: 8.32 min Scan# 1053

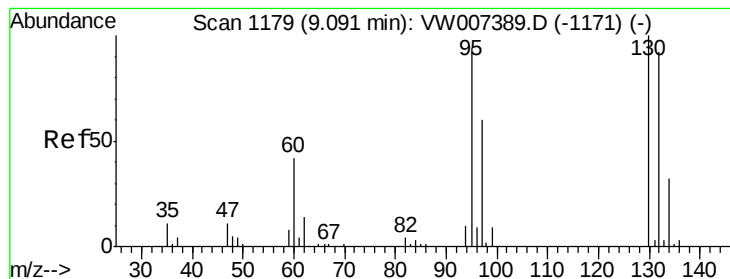
Delta R.T. 0.00 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

Tgt Ion: 78 Resp: 171577





#35

Trichloroethene

Concen: 23.593 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02586

Tgt Ion: 95 Resp: 49879

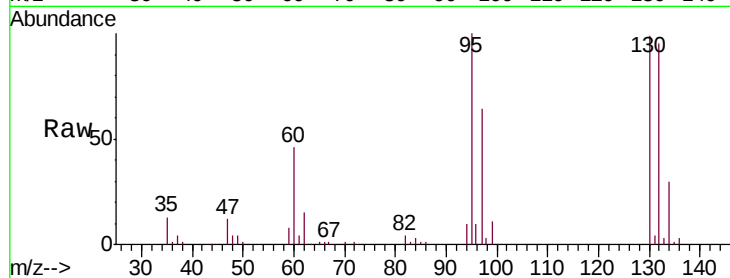
Ion Ratio Lower Upper

95 100

97 64.9 45.8 85.0

132 97.9 68.0 126.4

130 103.2 71.6 133.0



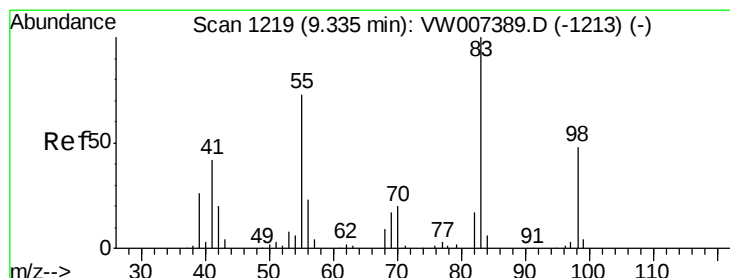
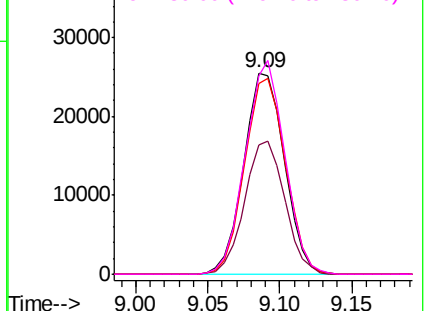
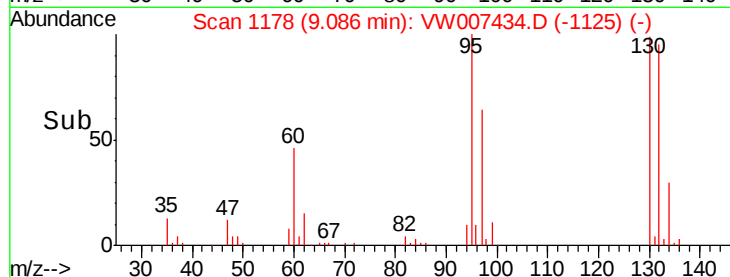
Abundance

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: 23.212 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

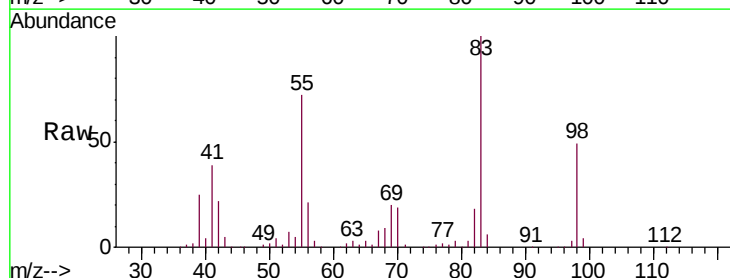
Tgt Ion: 83 Resp: 84713

Ion Ratio Lower Upper

83 100

55 71.2 59.4 89.2

98 47.6 38.1 57.1

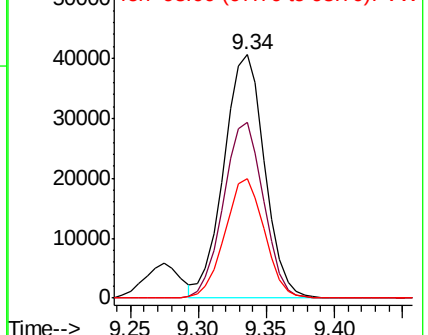
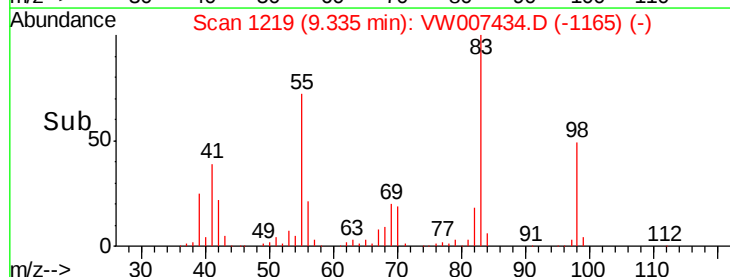


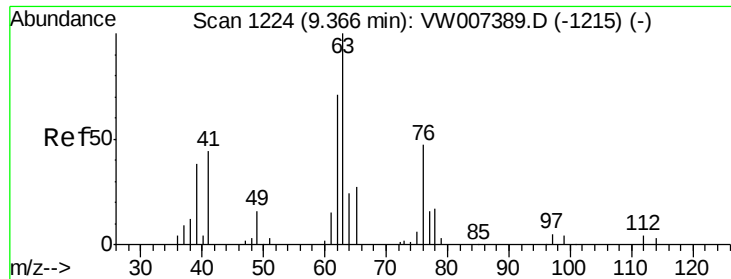
Abundance

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

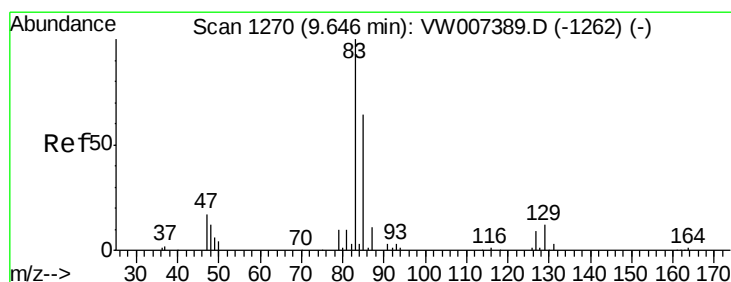
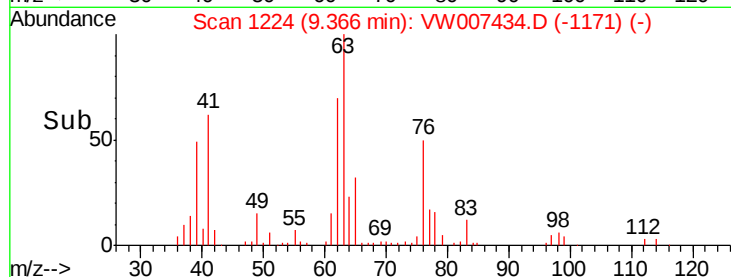
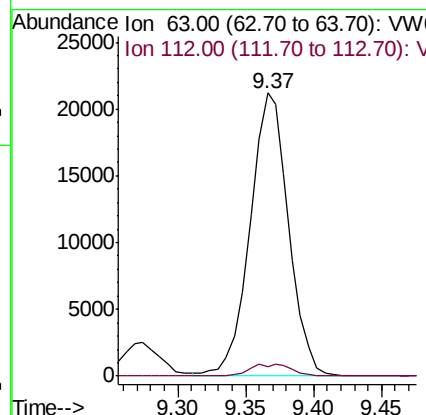
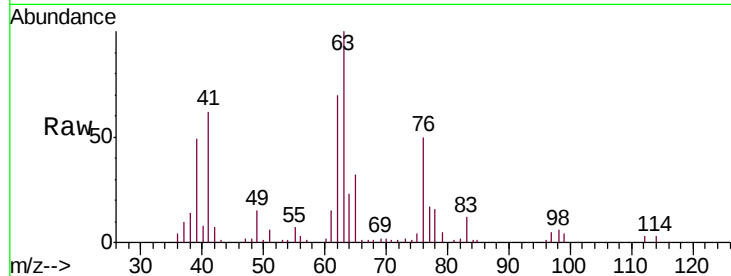




#40
 1,2-Dichloropropane
 Concen: 23.239 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW007434.D
 Acq: 12 Dec 2018 10:57

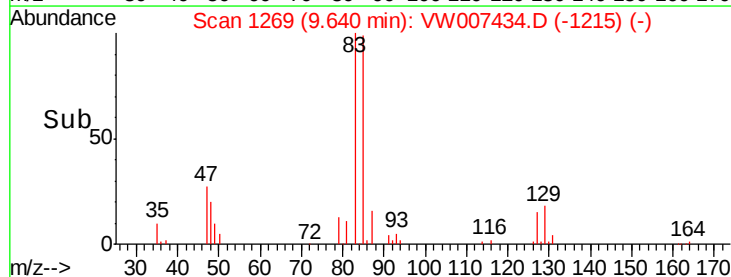
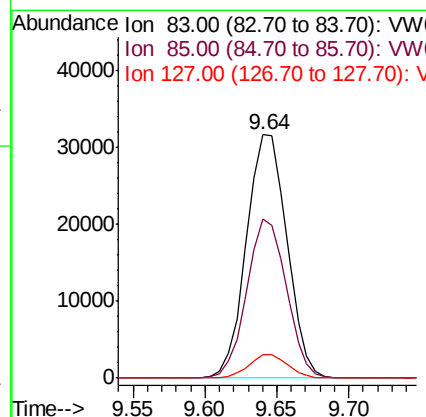
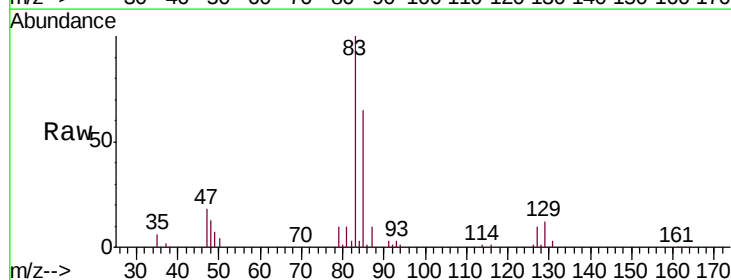
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

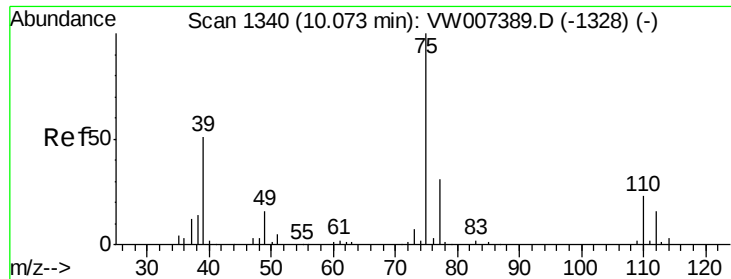
Tgt Ion: 63 Resp: 41910
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4



#41
 Bromodichloromethane
 Concen: 23.833 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW007434.D
 Acq: 12 Dec 2018 10:57

Tgt Ion: 83 Resp: 61716
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.9 83.5
 127 9.7 7.4 11.2

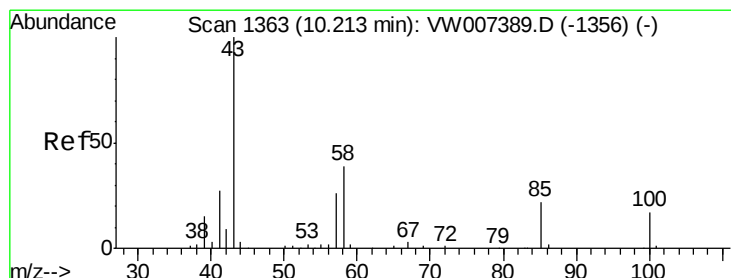
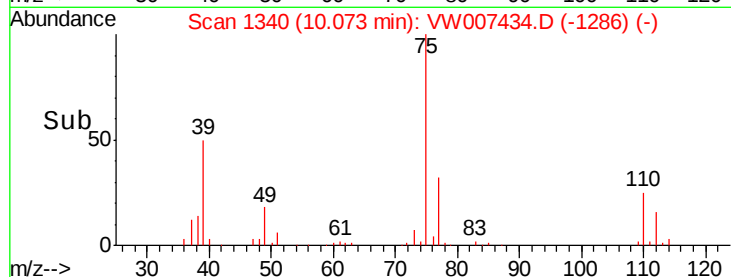
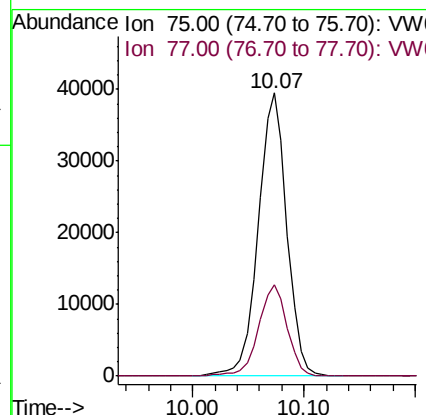
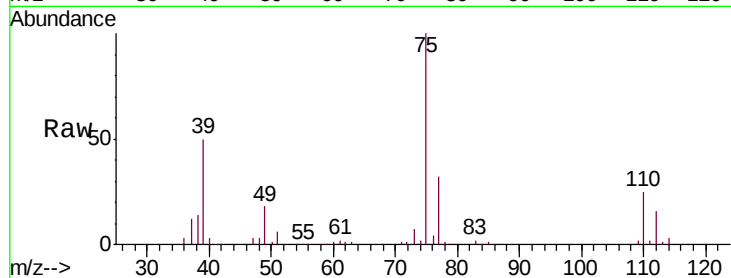




#42
 cis-1,3-Dichloropropene
 Concen: 23.267 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007434.D
 Acq: 12 Dec 2018 10:57

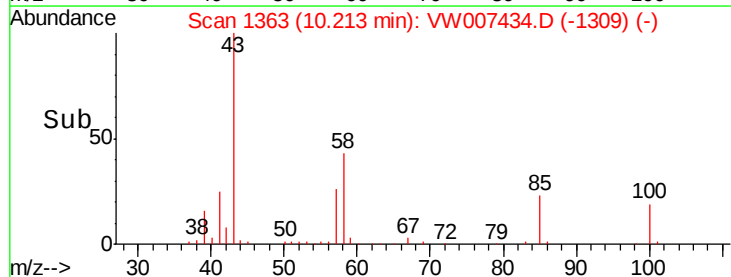
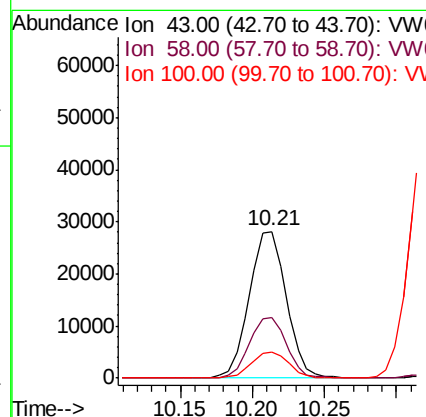
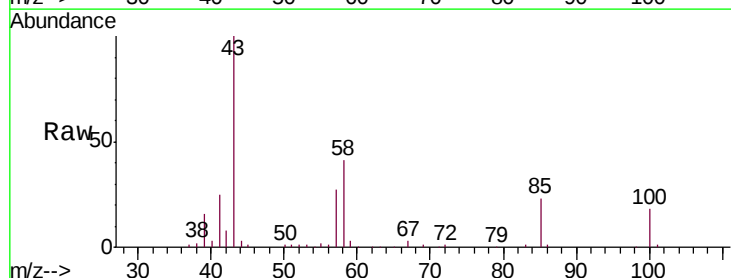
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

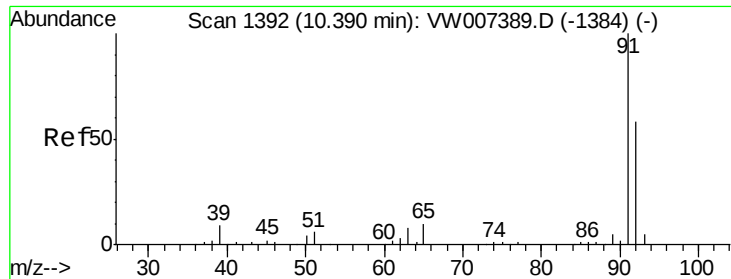
Tgt Ion: 75 Resp: 70469
 Ion Ratio Lower Upper
 75 100
 77 32.3 23.0 42.6



#43
 4-Methyl-2-pentanone
 Concen: 35.224 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW007434.D
 Acq: 12 Dec 2018 10:57

Tgt Ion: 43 Resp: 50281
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.6 48.8
 100 17.9 13.8 20.8





#44

Toluene

Concen: 24.637 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

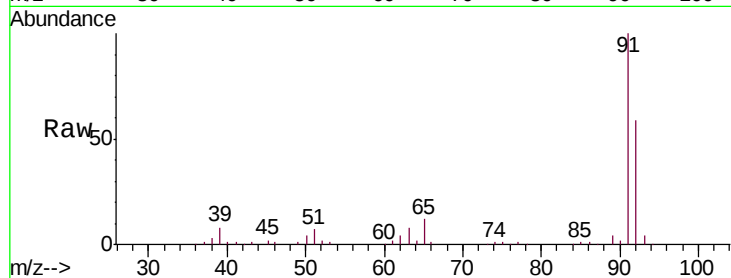
VSTD02586

Tgt Ion: 91 Resp: 195779

Ion Ratio Lower Upper

91 100

92 59.5 38.2 71.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

120000

100000

80000

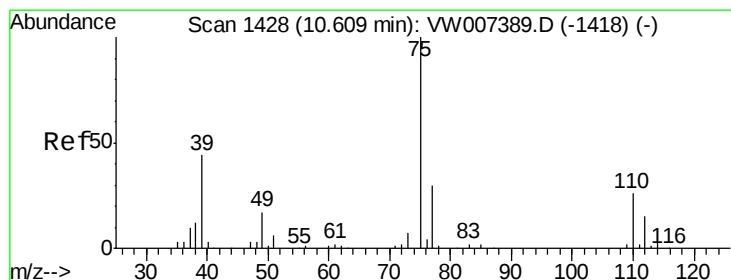
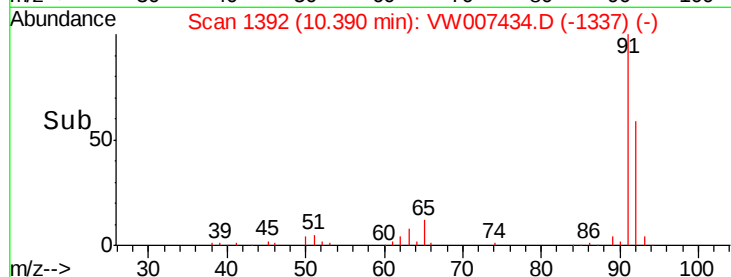
60000

40000

20000

0

Time--> 10.30 10.35 10.40 10.45



#45

trans-1,3-Dichloropropene

Concen: 23.319 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007434.D

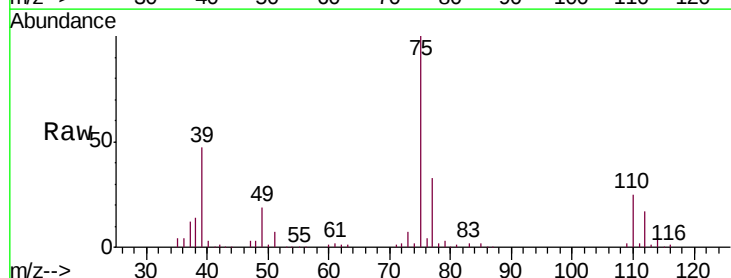
Acq: 12 Dec 2018 10:57

Tgt Ion: 75 Resp: 62022

Ion Ratio Lower Upper

75 100

77 32.9 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

40000

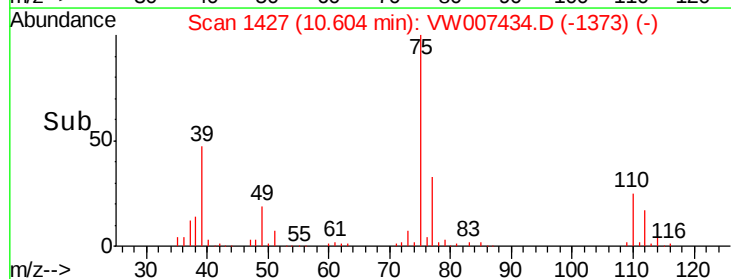
30000

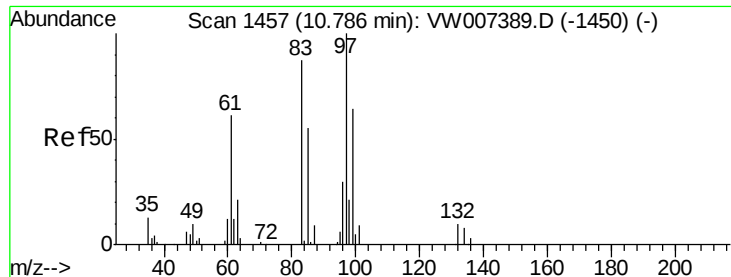
20000

10000

0

Time--> 10.50 10.60





#46

1,1,2-Trichloroethane

Concen: 22.931 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02586

Tgt Ion: 97 Resp: 34052

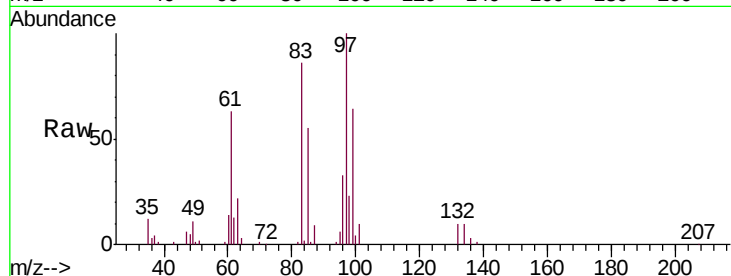
Ion Ratio Lower Upper

97 100

83 86.1 61.2 113.8

85 55.4 42.5 78.9

99 63.6 45.7 84.9



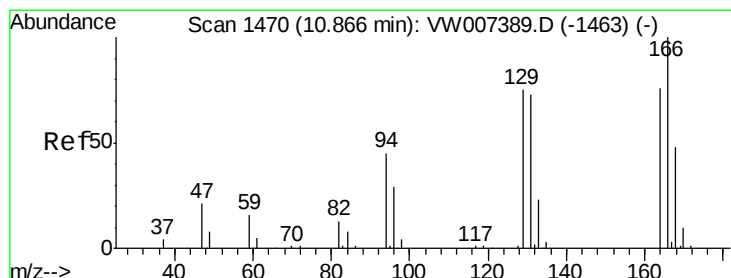
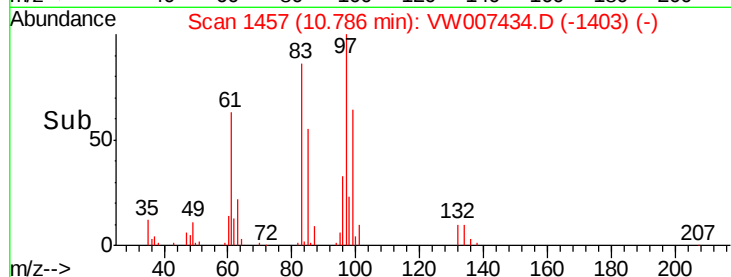
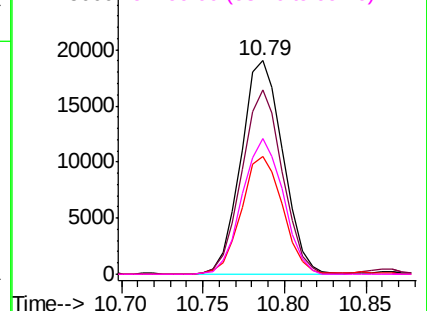
Abundance

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: 24.870 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

Tgt Ion: 164 Resp: 39717

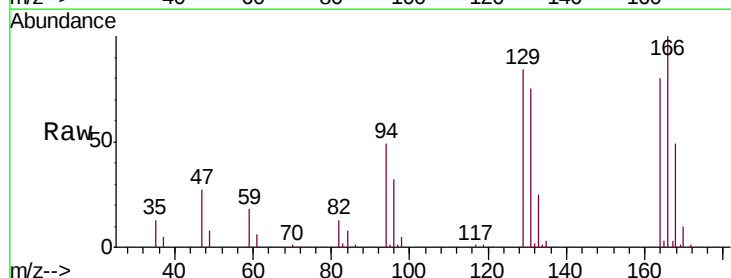
Ion Ratio Lower Upper

164 100

129 104.9 70.8 131.6

131 94.0 70.4 130.8

166 125.2 84.2 156.4



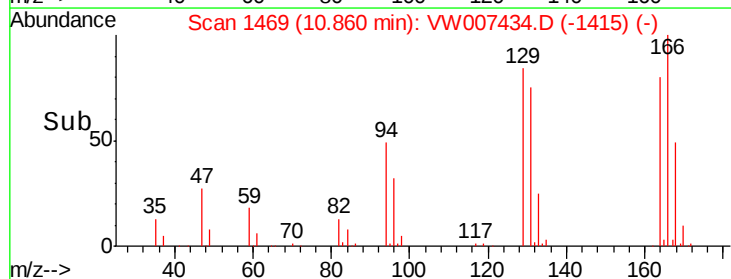
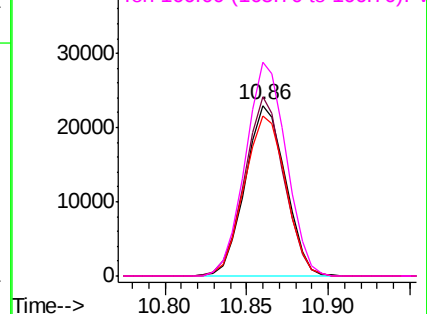
Abundance

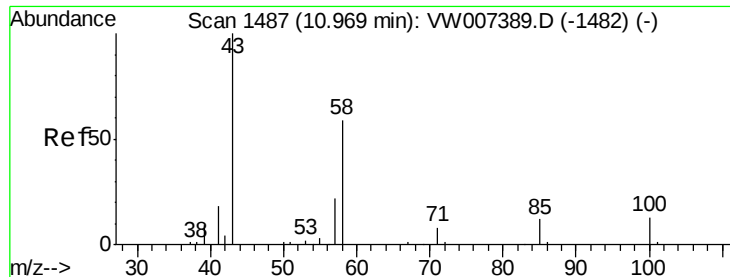
Ion 164.00 (163.70 to 164.70): V

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

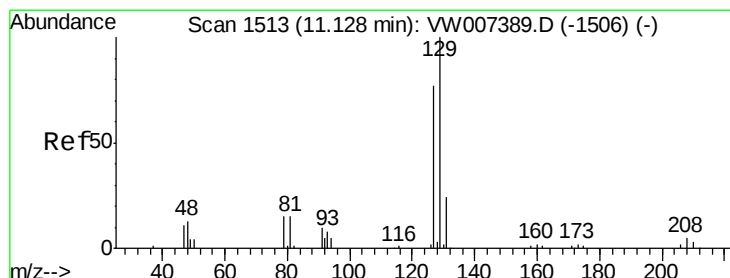
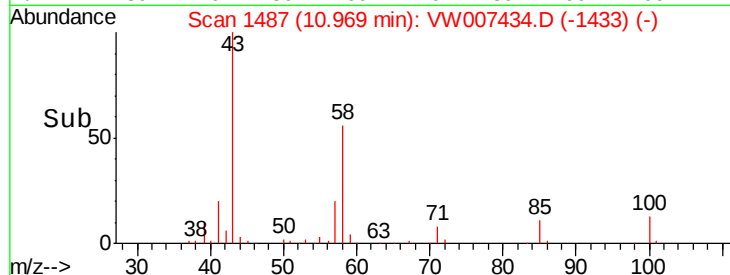
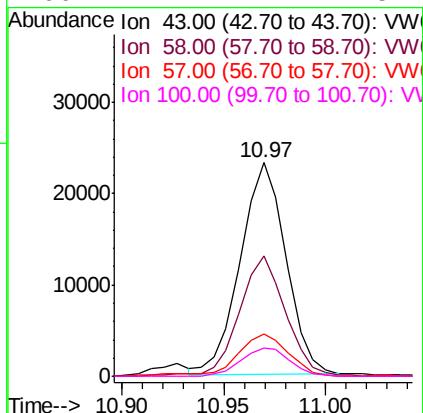
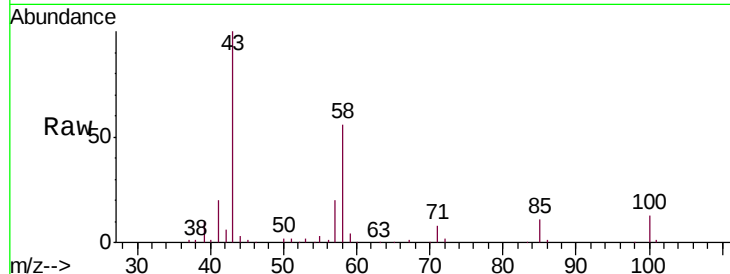




#49
2-Hexanone
Concen: 35.841 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007434.D
Acq: 12 Dec 2018 10:57

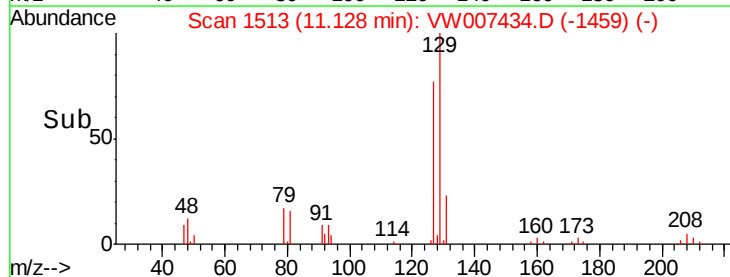
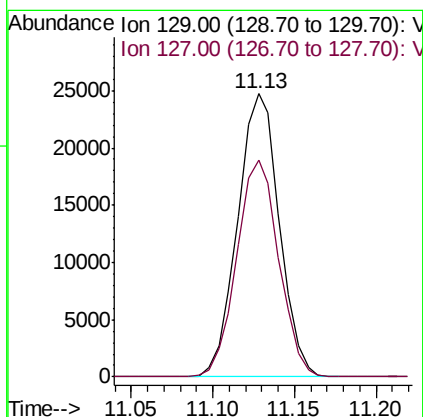
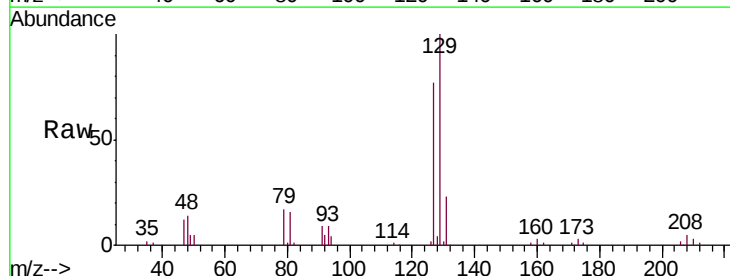
Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

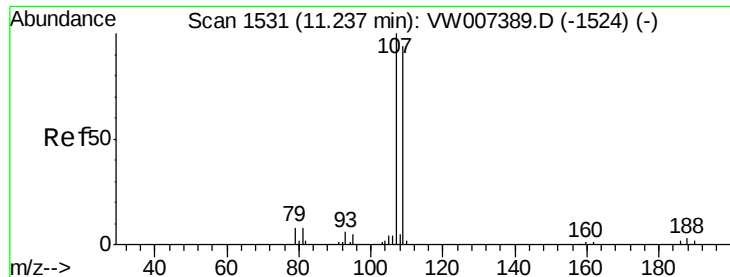
Tgt Ion: 43 Resp: 35957
Ion Ratio Lower Upper
43 100
58 57.0 47.2 70.8
57 21.1 17.6 26.4
100 14.4 12.2 18.2



#50
Dibromochloromethane
Concen: 24.086 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007434.D
Acq: 12 Dec 2018 10:57

Tgt Ion: 129 Resp: 43940
Ion Ratio Lower Upper
129 100
127 76.5 53.8 100.0

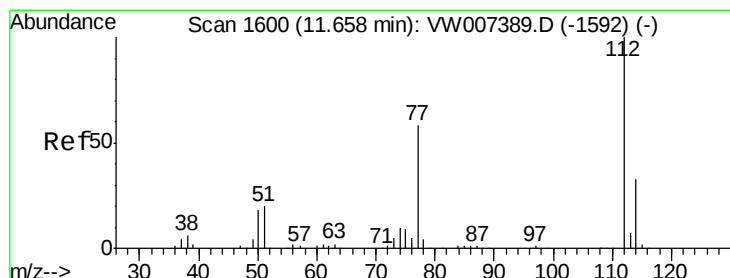
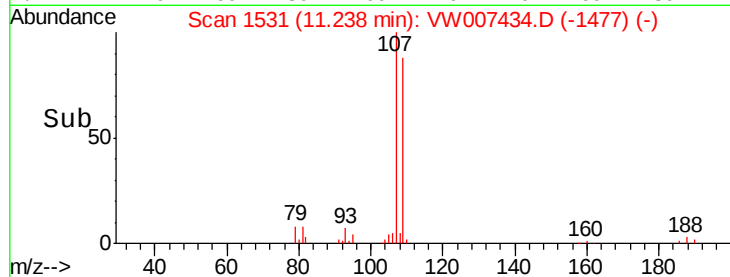
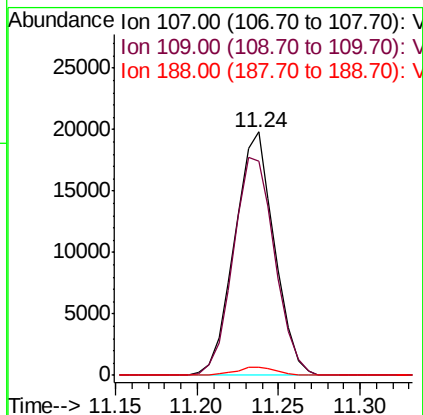
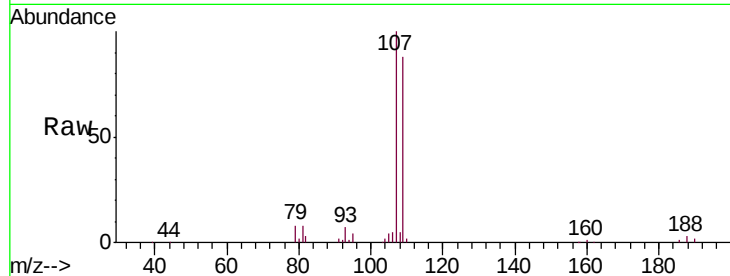




#51
 1,2-Dibromoethane
 Concen: 22.501 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007434.D
 Acq: 12 Dec 2018 10:57

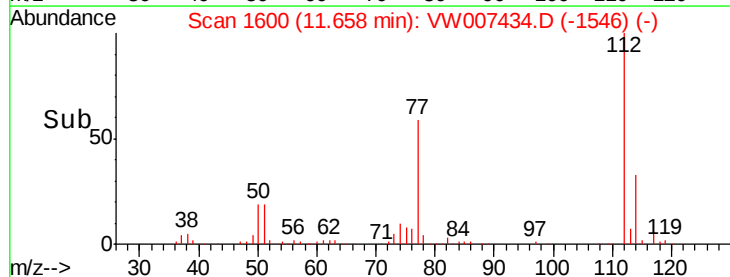
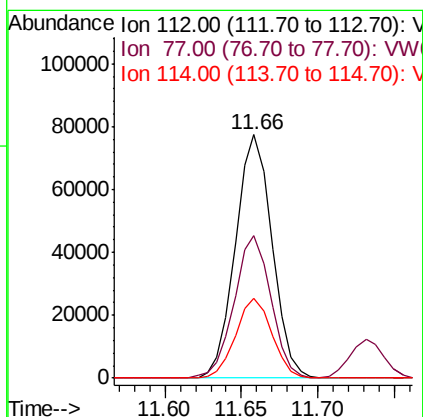
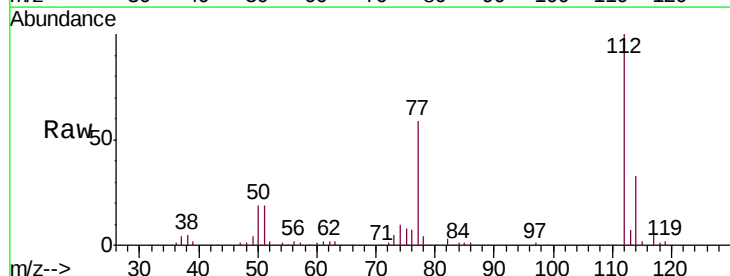
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

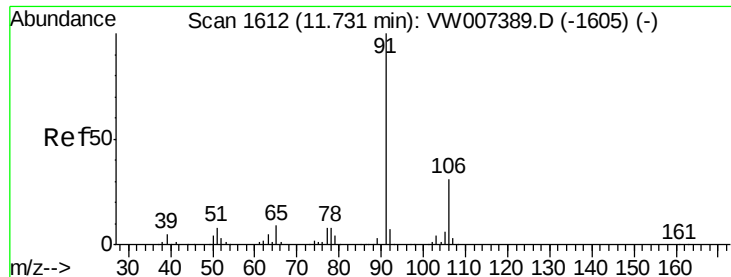
Tgt Ion:107 Resp: 33558
 Ion Ratio Lower Upper
 107 100
 109 87.7 67.6 125.6
 188 3.4 2.6 4.0



#52
 Chlorobenzene
 Concen: 24.985 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW007434.D
 Acq: 12 Dec 2018 10:57

Tgt Ion:112 Resp: 128861
 Ion Ratio Lower Upper
 112 100
 77 58.6 42.6 63.8
 114 33.0 23.0 42.8

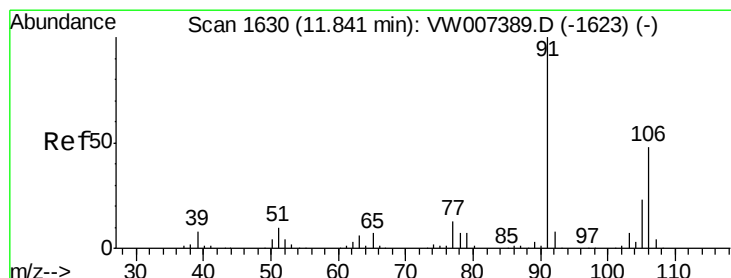
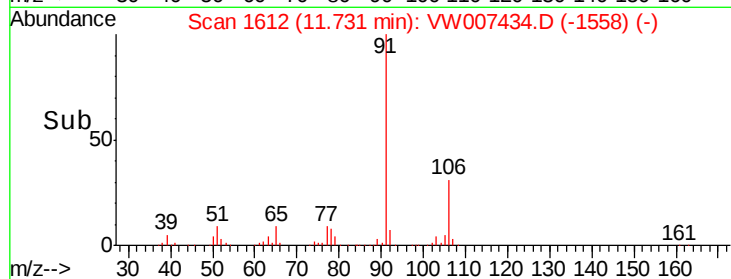
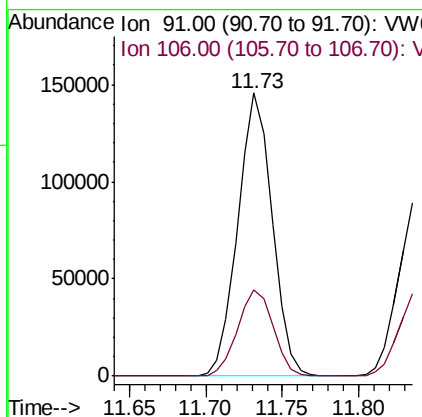
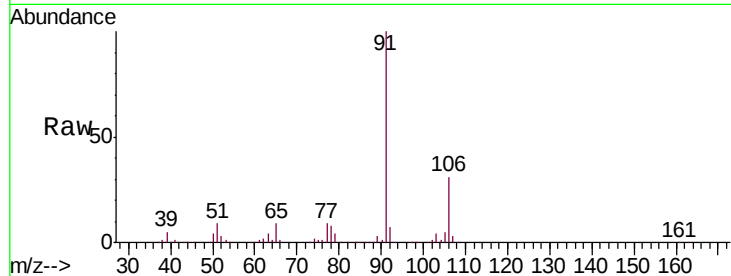




#53
Ethylbenzene
Concen: 25.491 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007434.D
Acq: 12 Dec 2018 10:57

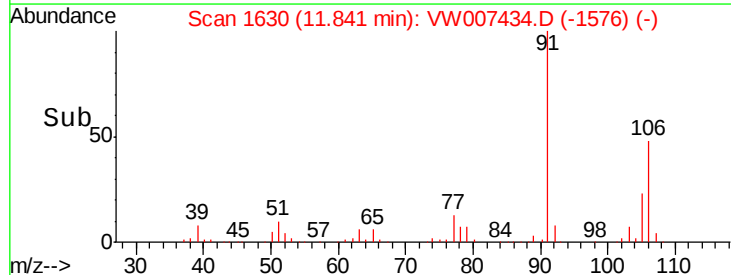
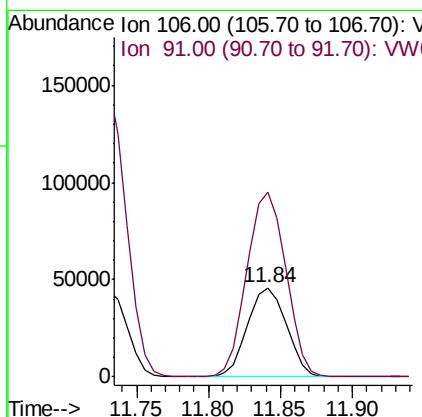
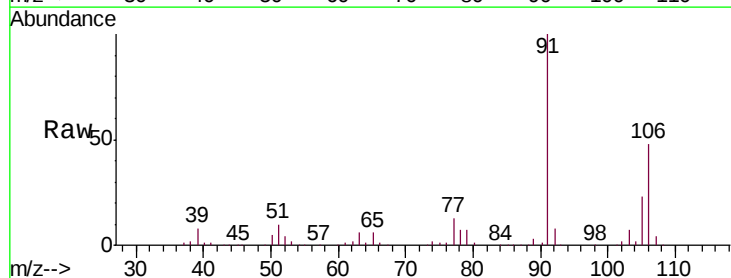
Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

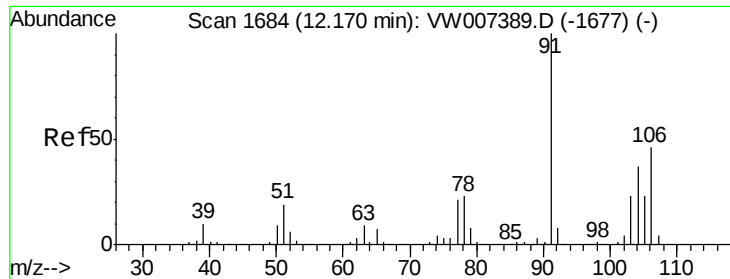
Tgt Ion: 91 Resp: 227782
Ion Ratio Lower Upper
91 100
106 30.5 20.2 37.4



#54
m,p-Xylene
Concen: 25.477 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007434.D
Acq: 12 Dec 2018 10:57

Tgt Ion: 106 Resp: 86480
Ion Ratio Lower Upper
106 100
91 206.6 132.2 245.6

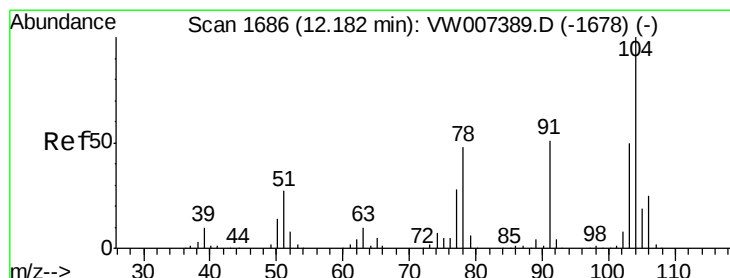
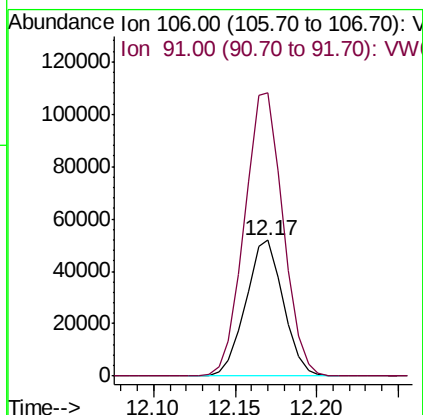
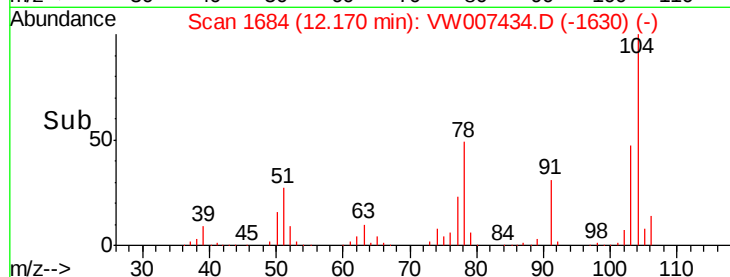
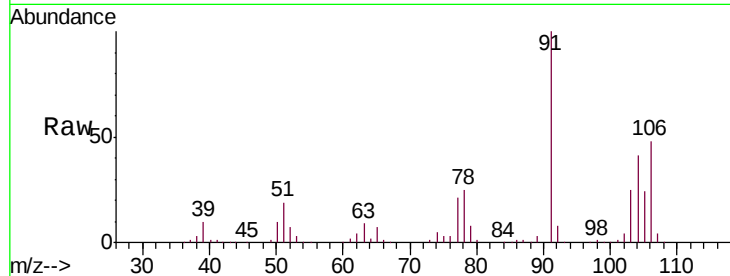




#55
o-xylene
Concen: 25.892 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007434.D
Acq: 12 Dec 2018 10:57

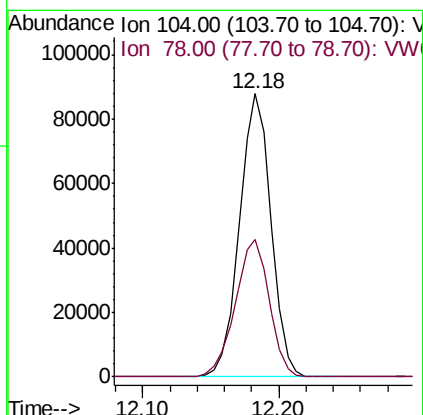
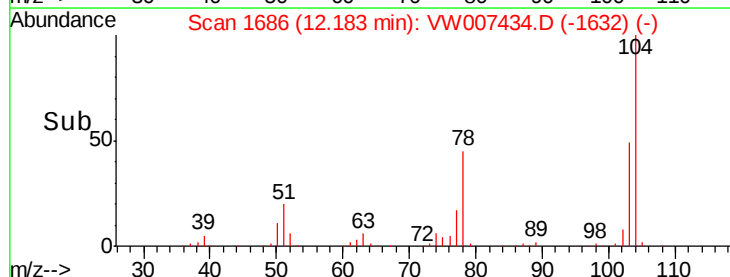
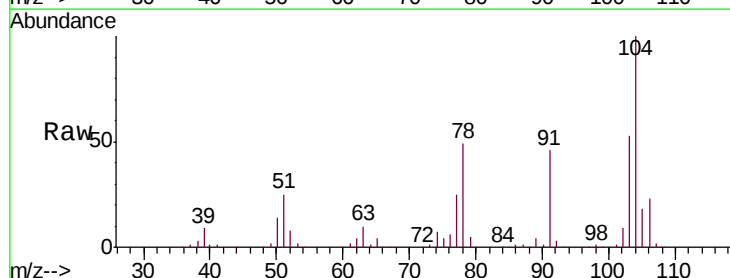
Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

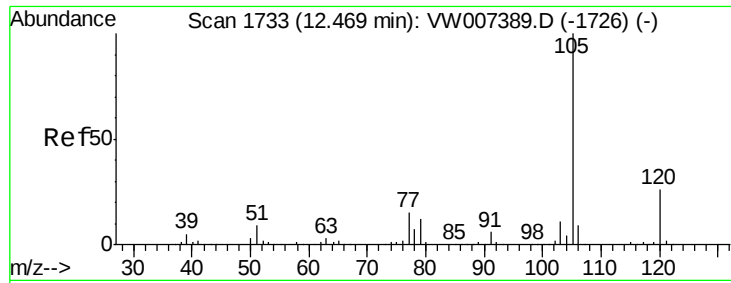
Tgt Ion:106 Resp: 83056
Ion Ratio Lower Upper
106 100
91 208.6 147.0 273.0



#56
Styrene
Concen: 25.733 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007434.D
Acq: 12 Dec 2018 10:57

Tgt Ion:104 Resp: 141500
Ion Ratio Lower Upper
104 100
78 48.7 31.8 59.0





#57

Isopropylbenzene

Concen: 26.189 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02586

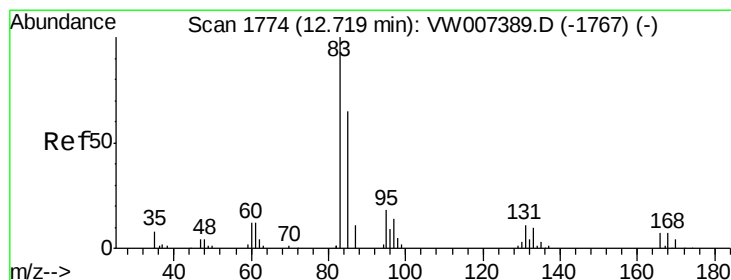
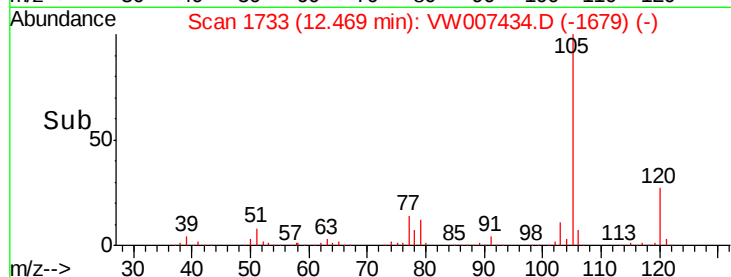
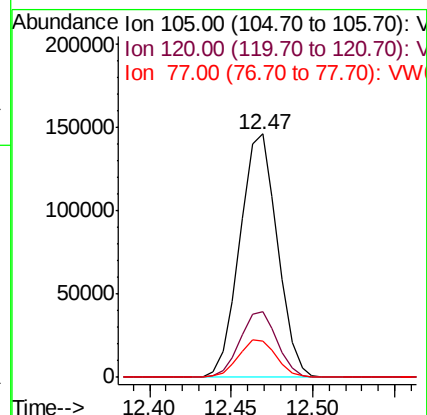
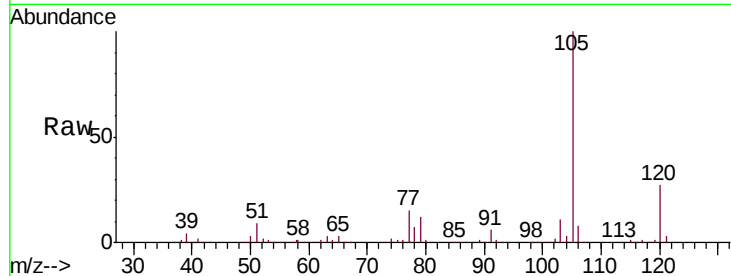
Tgt Ion:105 Resp: 234472

Ion Ratio Lower Upper

105 100

120 26.6 20.6 30.8

77 15.3 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 21.711 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

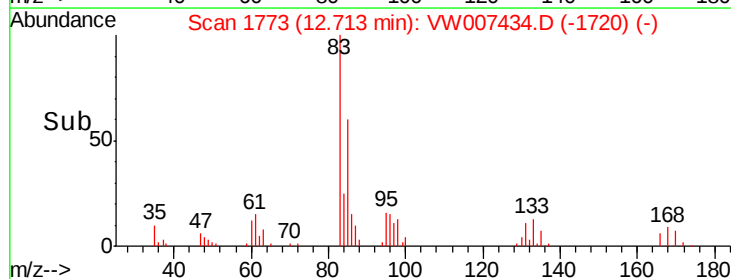
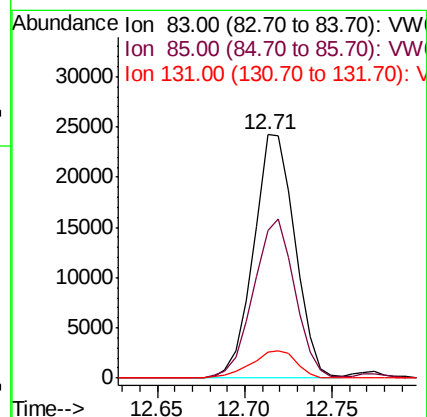
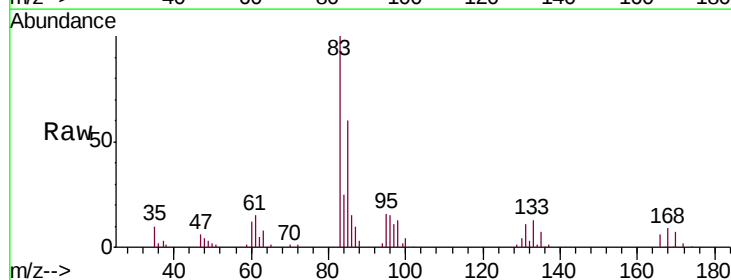
Tgt Ion: 83 Resp: 39968

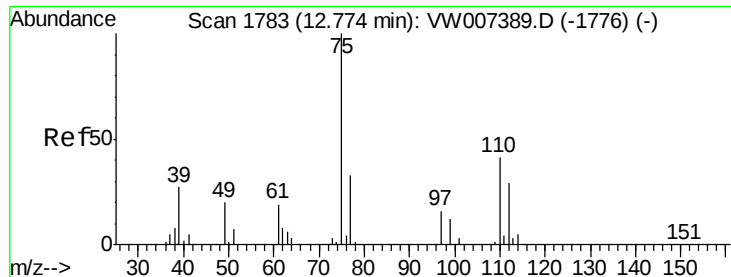
Ion Ratio Lower Upper

83 100

85 60.5 46.2 85.8

131 10.7 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 20.672 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

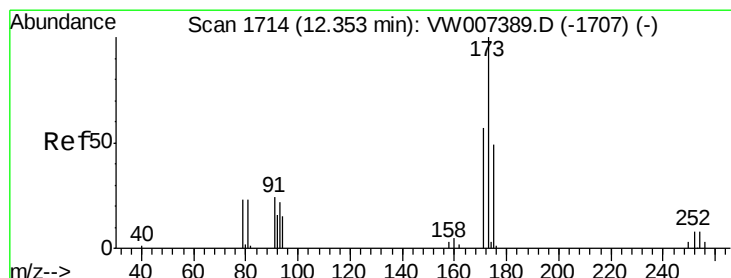
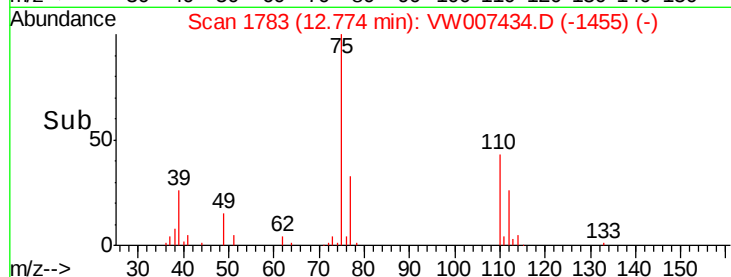
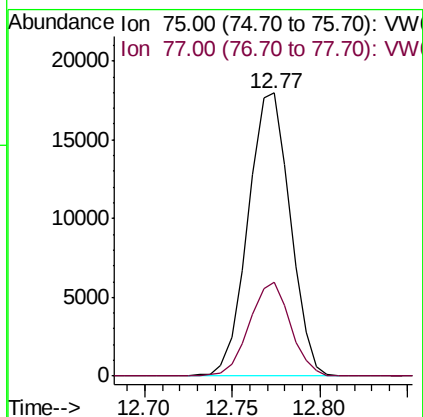
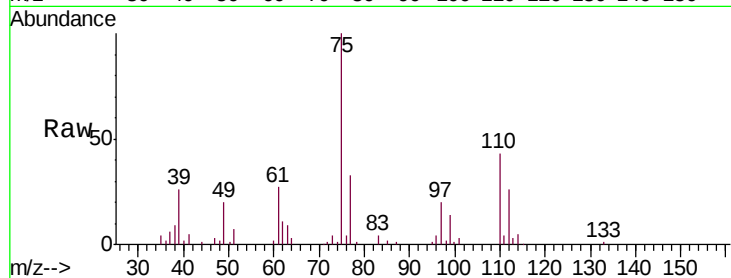
VSTD02586

Tgt Ion: 75 Resp: 30123

Ion Ratio Lower Upper

75 100

77 32.3 26.5 39.7



#62

Bromoform

Concen: 22.030 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

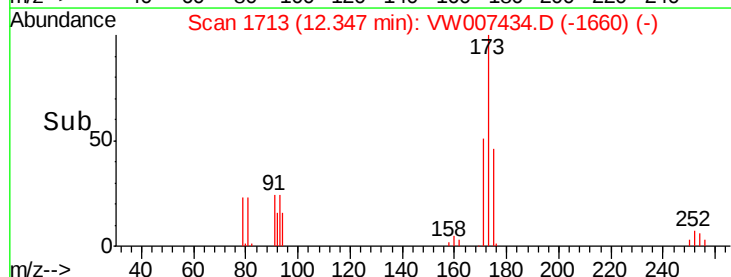
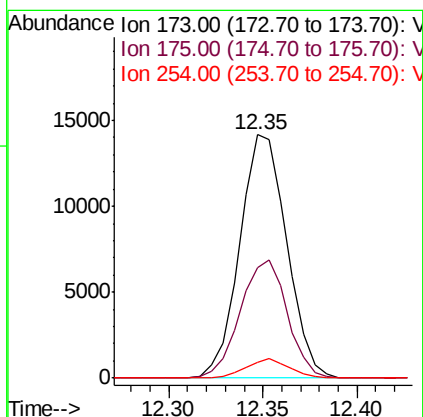
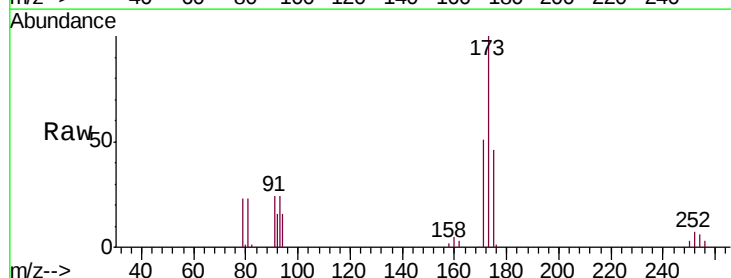
Tgt Ion: 173 Resp: 24533

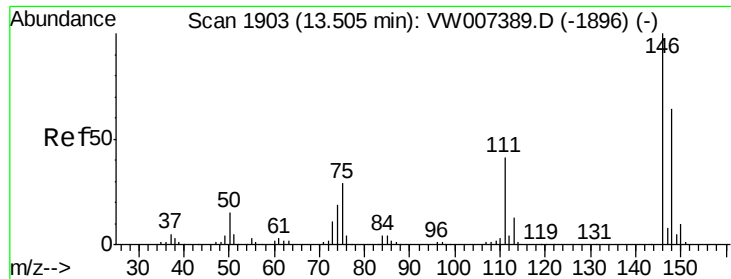
Ion Ratio Lower Upper

173 100

175 48.6 38.6 58.0

254 7.3 6.4 9.6

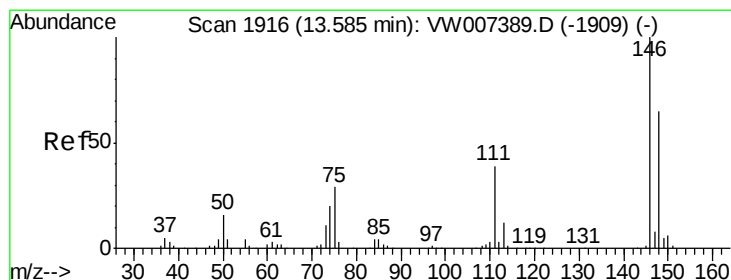
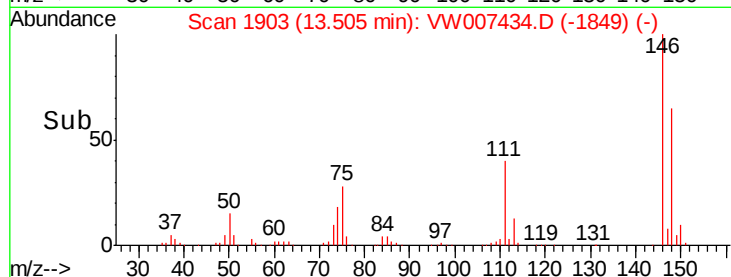
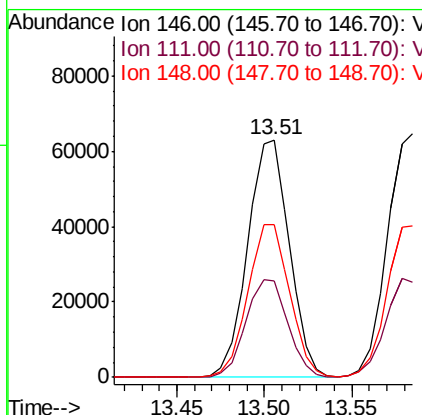
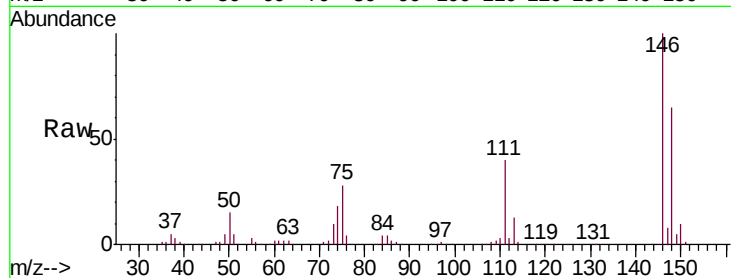




#63
 1,3-Dichlorobenzene
 Concen: 24.961 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007434.D
 Acq: 12 Dec 2018 10:57

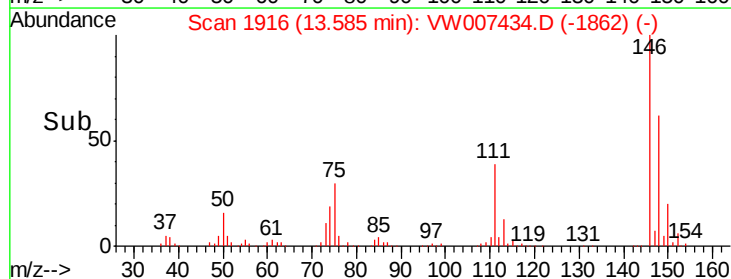
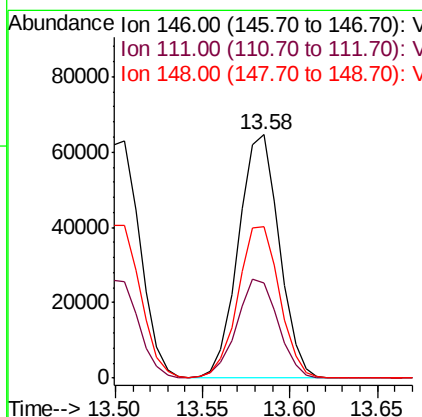
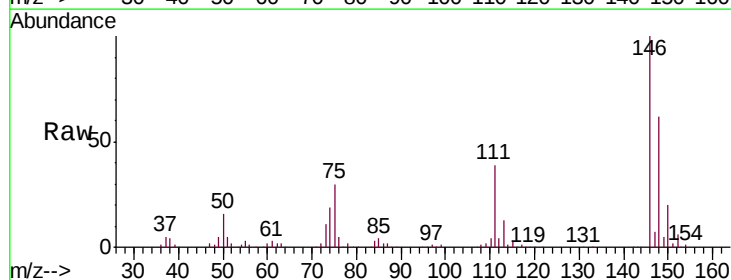
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

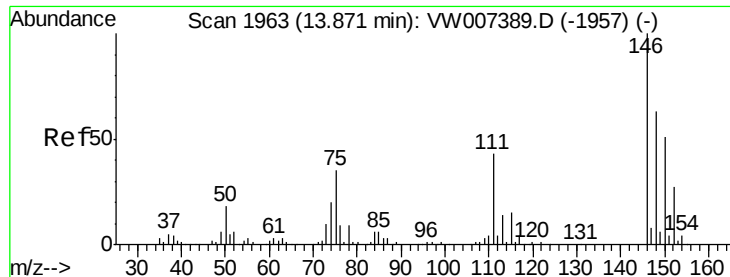
Tgt Ion:146 Resp: 104275
 Ion Ratio Lower Upper
 146 100
 111 40.3 31.0 57.6
 148 64.5 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 25.276 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007434.D
 Acq: 12 Dec 2018 10:57

Tgt Ion:146 Resp: 105266
 Ion Ratio Lower Upper
 146 100
 111 38.9 24.8 46.0
 148 62.5 38.7 71.9





#65

1,2-Dichlorobenzene

Concen: 25.580 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02586

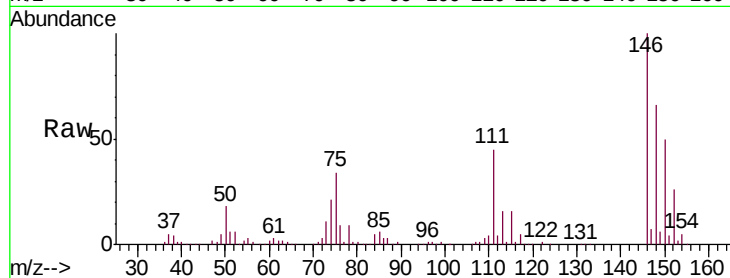
Tgt Ion:146 Resp: 95636

Ion Ratio Lower Upper

146 100

111 44.8 39.3 58.9

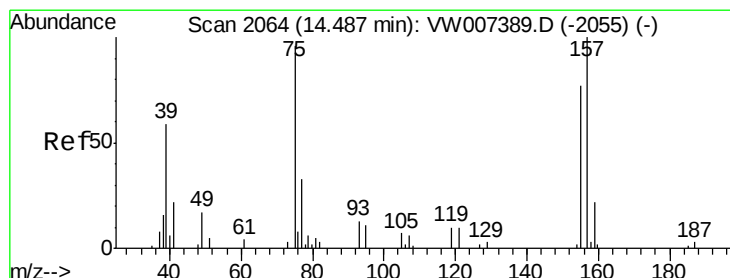
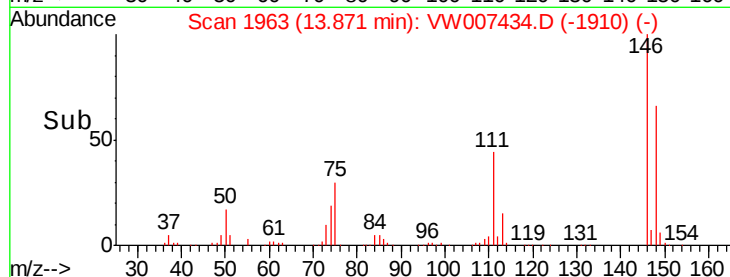
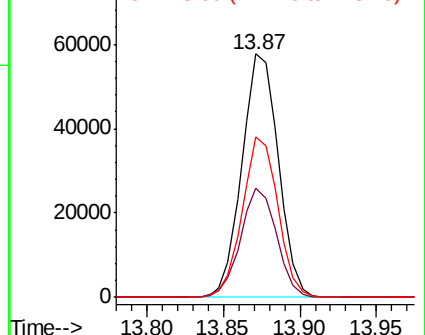
148 65.8 51.8 77.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 18.564 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

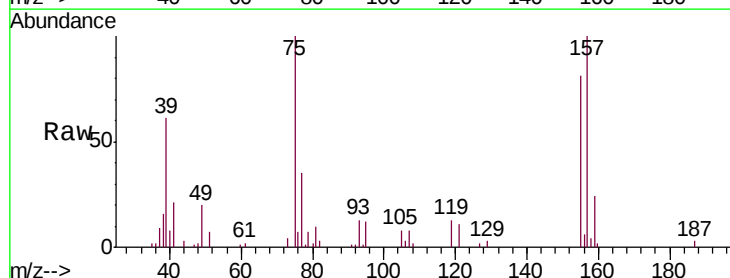
Tgt Ion: 75 Resp: 7351

Ion Ratio Lower Upper

75 100

157 100.0 86.0 129.0

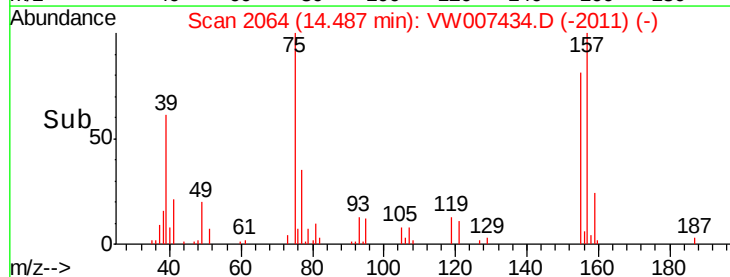
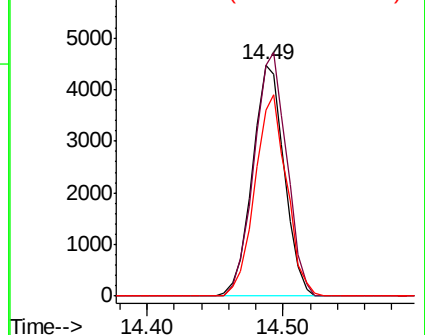
155 80.5 64.9 97.3

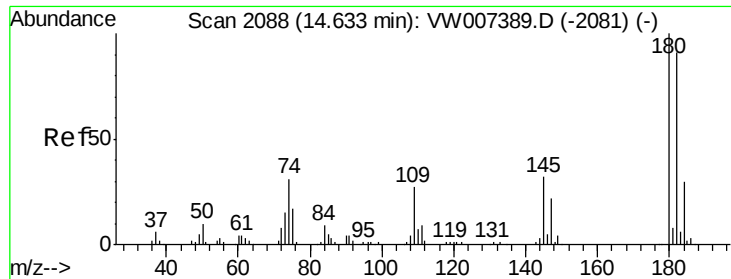


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

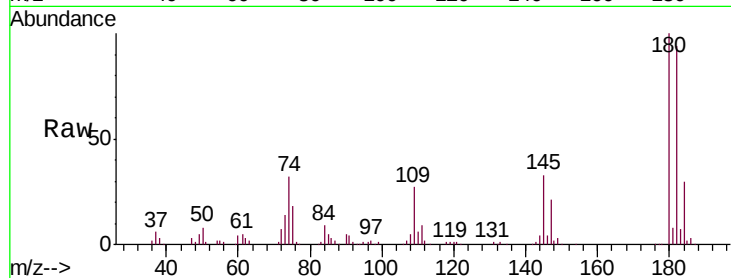




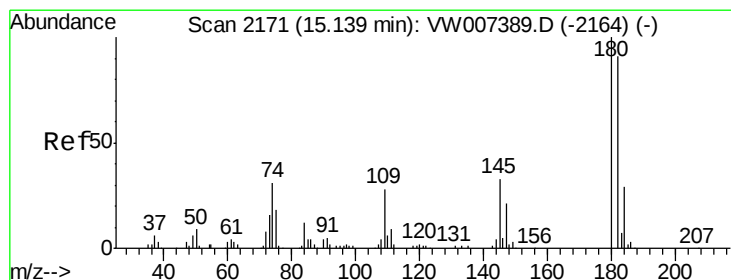
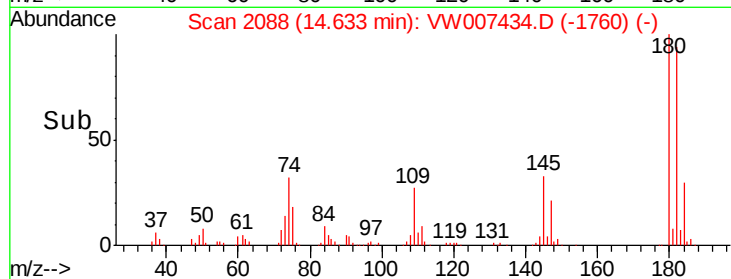
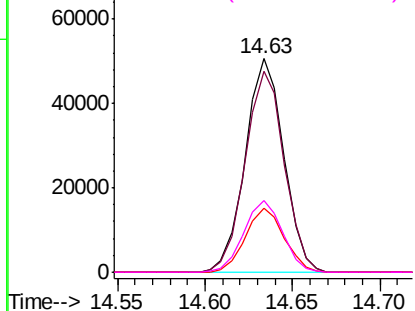
#67
 1,3,5-Trichlorobenzene
 Concen: 25.616 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007434.D
 Acq: 12 Dec 2018 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

Tgt Ion:180 Resp: 77518
 Ion Ratio Lower Upper
 180 100
 182 95.5 74.6 111.8
 184 30.1 24.7 37.1
 145 33.8 27.2 40.8

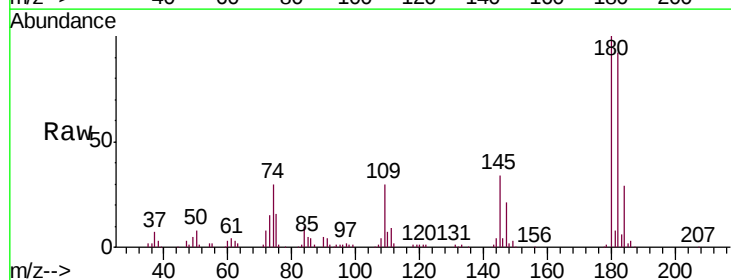


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

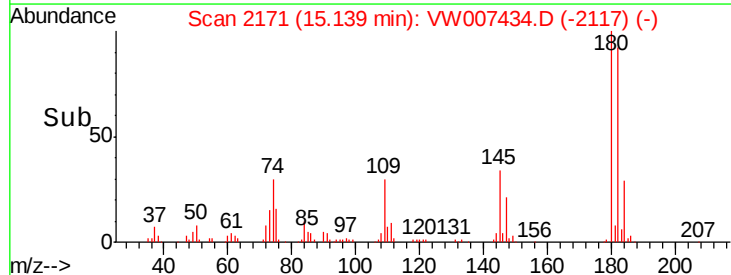
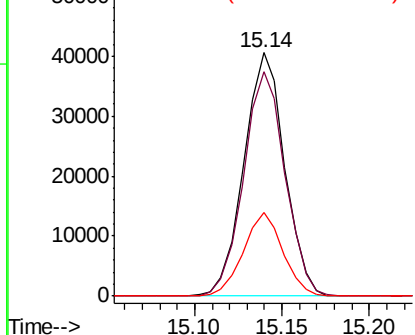


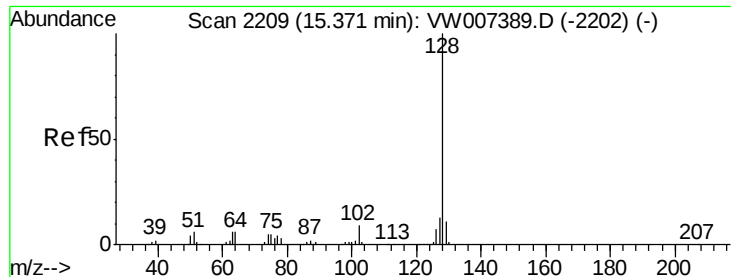
#68
 1,2,4-trichlorobenzene
 Concen: 25.191 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007434.D
 Acq: 12 Dec 2018 10:57

Tgt Ion:180 Resp: 65723
 Ion Ratio Lower Upper
 180 100
 182 93.5 77.4 116.2
 145 33.1 28.4 42.6



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: 21.361 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02586

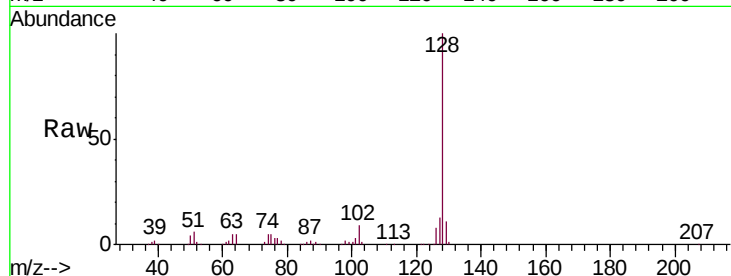
Tgt Ion:128 Resp: 137758

Ion Ratio Lower Upper

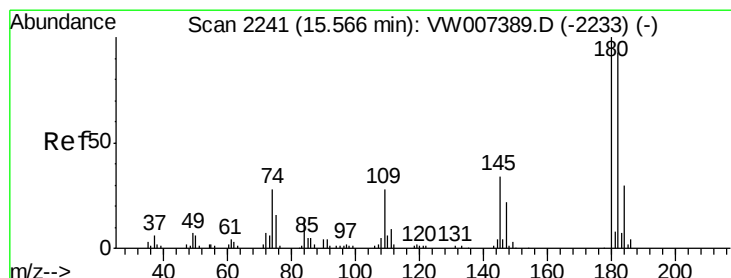
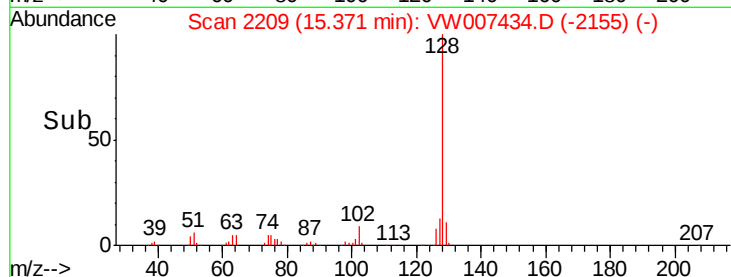
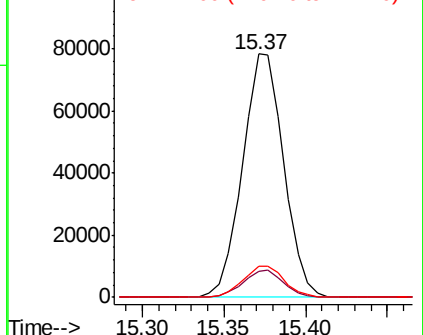
128 100

129 10.8 8.8 13.2

127 12.9 10.7 16.1



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: 24.393 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW007434.D

Acq: 12 Dec 2018 10:57

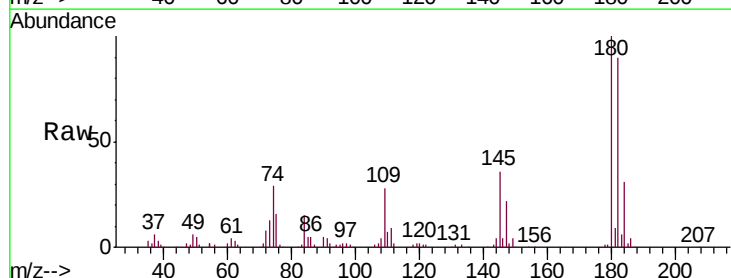
Tgt Ion:180 Resp: 57857

Ion Ratio Lower Upper

180 100

182 93.9 76.2 114.4

145 36.6 27.4 41.0



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

