

Data File : VW007972.D
Acq On : 27 Dec 2018 16:16
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

Quant Time: Dec 28 04:06:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 28 04:01:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	109672	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	98262	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	49735	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	23685	21.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.64%
7) Chloroethane-d5	2.90	69	16596	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.16%
10) 1,1-Dichloroethene-d2	4.01	63	62668	21.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.68%
20) 2-Butanone-d5	7.08	46	16887	36.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.28%
24) Chloroform-d	7.65	84	63510	21.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.08%
26) 1,2-Dichloroethane-d4	8.31	65	36833	21.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.24%
29) Benzene-d6	8.27	84	117632	21.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.40%
33) 1,2-Dichloropropane-d6	9.27	67	32242	21.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.04%
37) Toluene-d8	10.32	98	113454	21.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.52%
38) trans-1,3-Dichloropropene-	10.58	79	18171	21.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.44%
39) 2-Hexanone-d5	10.93	63	14389	37.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	28947	20.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	42054	20.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	28466	23.551	ug/L 100
3) Chloromethane	2.21	50	21242	22.300	ug/L 98
5) Vinyl chloride	2.37	62	28593	24.130	ug/L 97
6) Bromomethane	2.79	94	17059	24.266	ug/L 100
8) Chloroethane	2.93	64	14342	24.360	ug/L 95
9) Trichlorofluoromethane	3.26	101	26912	26.301	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	33173	23.961	ug/L 98
12) 1,1-Dichloroethene	4.04	96	30713	24.226	ug/L 92
13) Acetone	4.12	43	18286	40.604	ug/L 98
14) Carbon disulfide	4.37	76	96529	24.039	ug/L 99
15) Methyl Acetate	4.67	43	13561	19.788	ug/L 98
16) Methylene chloride	4.91	84	34133	19.234	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	51788	22.983	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	32590	23.698	ug/L 97
19) 1,1-Dichloroethane	6.21	63	54400	23.778	ug/L 98
21) 2-Butanone	7.17	43	19095	37.263	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	34786	23.606	ug/L 97

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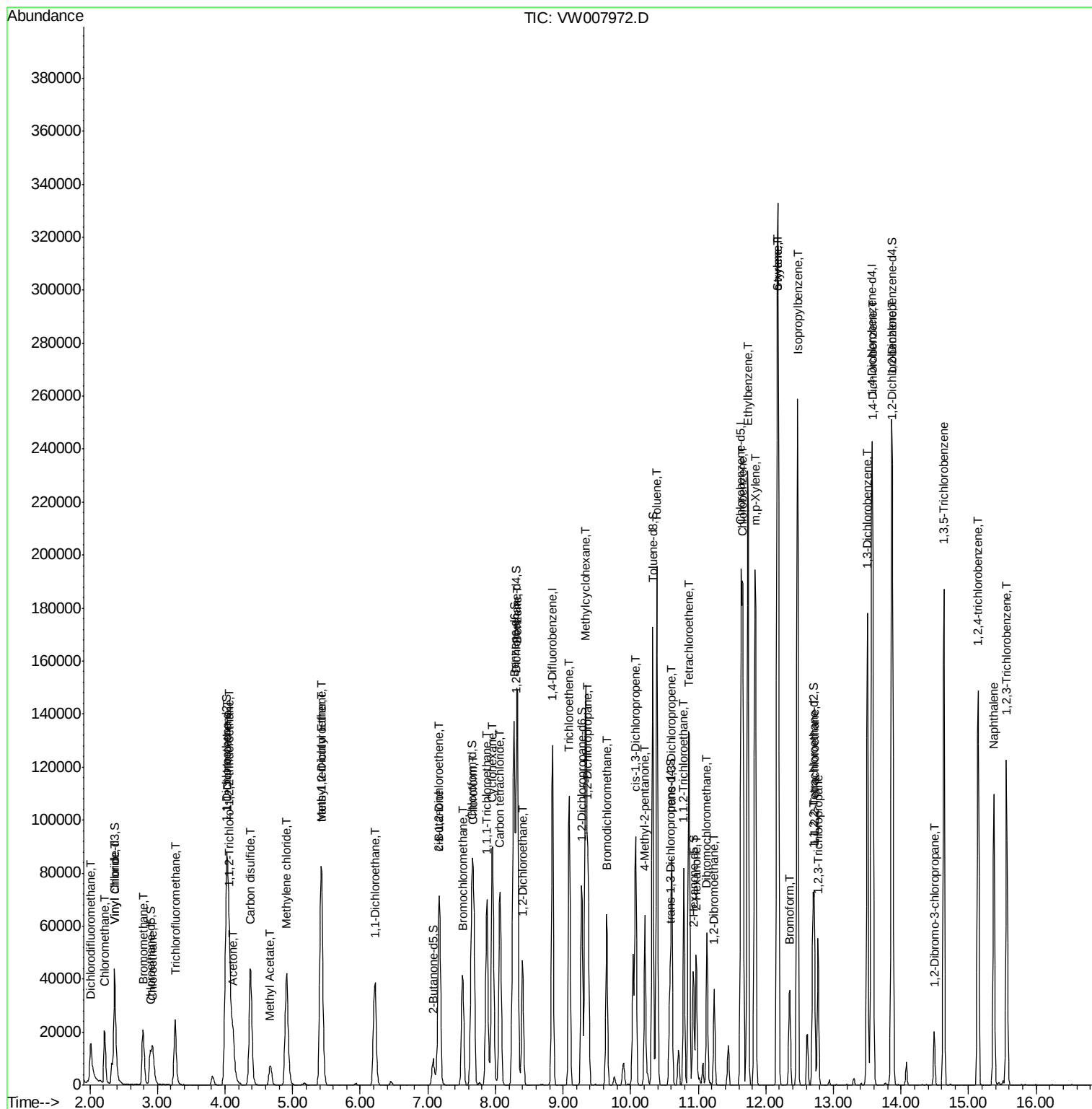
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	15638	23.570	ug/L	92
25) Chloroform	7.68	83	61875	24.014	ug/L	100
27) 1,2-Dichloroethane	8.40	62	44907	23.763	ug/L	96
30) Cyclohexane	7.96	56	50973	23.579	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	58123	24.672	ug/L	99
32) Carbon tetrachloride	8.07	117	55465	24.523	ug/L	99
34) Benzene	8.32	78	126613	24.080	ug/L	100
35) Trichloroethene	9.09	95	36378	23.813	ug/L	98
36) Methylcyclohexane	9.34	83	62271	23.770	ug/L	99
40) 1,2-Dichloropropane	9.37	63	29244	23.660	ug/L	100
41) Bromodichloromethane	9.65	83	44622	24.547	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	51785	24.002	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	37989	38.833	ug/L	97
44) Toluene	10.39	91	143291	24.357	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	46069	23.173	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	24119	23.065	ug/L	97
47) Tetrachloroethene	10.87	164	29372	24.199	ug/L	98
49) 2-Hexanone	10.97	43	28059	39.756	ug/L	98
50) Dibromochloromethane	11.13	129	31516	23.657	ug/L	97
51) 1,2-Dibromoethane	11.24	107	24035	22.520	ug/L	95
52) Chlorobenzene	11.66	112	91744	23.957	ug/L	99
53) Ethylbenzene	11.73	91	165435	24.476	ug/L	98
54) m,p-Xylene	11.84	106	62889	24.696	ug/L	96
55) o-xylene	12.17	106	58153	24.079	ug/L	98
56) Styrene	12.18	104	101787	24.866	ug/L	100
57) Isopropylbenzene	12.47	105	167489	24.482	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	27648	21.324	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	22666	21.734	ug/L	100
62) Bromoform	12.35	173	17071	21.773	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	74019	23.279	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	74266	23.488	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	66886	23.173	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	5724	20.114	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	54644	23.464	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	45540	22.781	ug/L	99
69) Naphthalene	15.37	128	96235	21.267	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	41018	23.178	ug/L	99

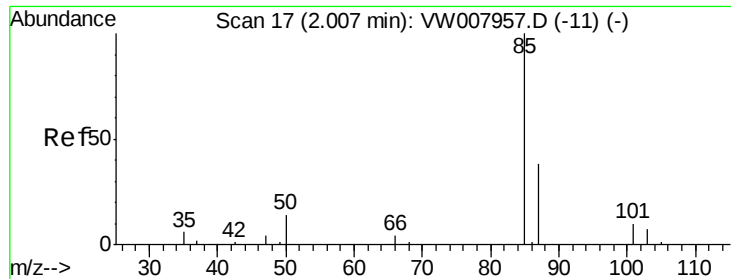
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.551 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

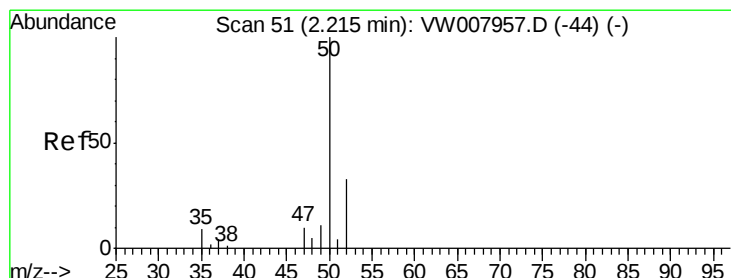
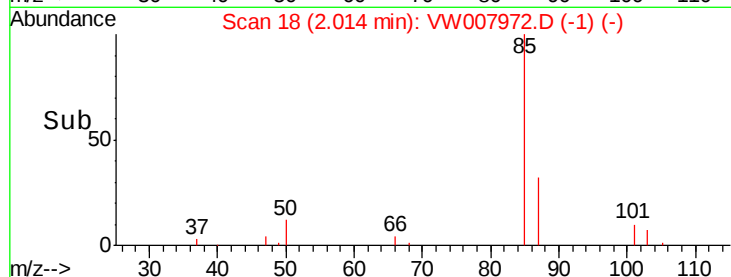
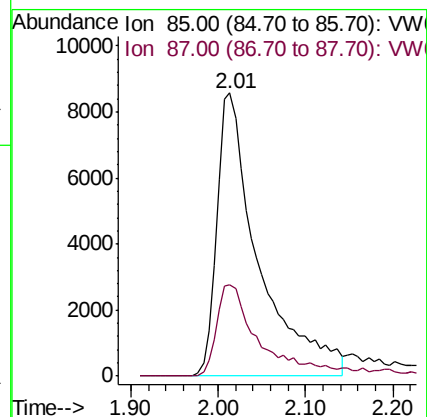
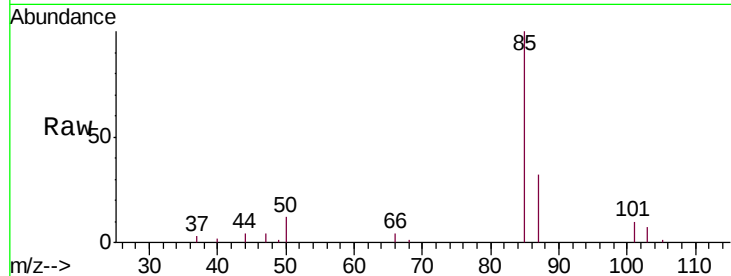
VSTD02592

Tgt Ion: 85 Resp: 28466

Ion Ratio Lower Upper

85 100

87 29.6 20.6 38.4



#3

Chloromethane

Concen: 22.300 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW007972.D

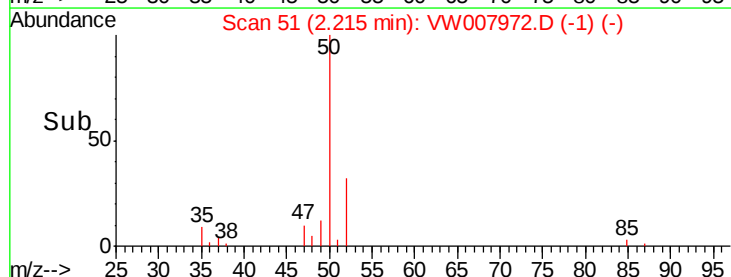
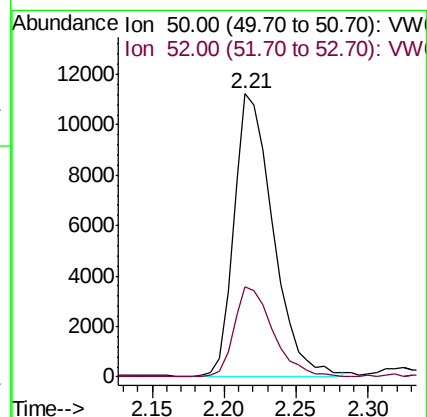
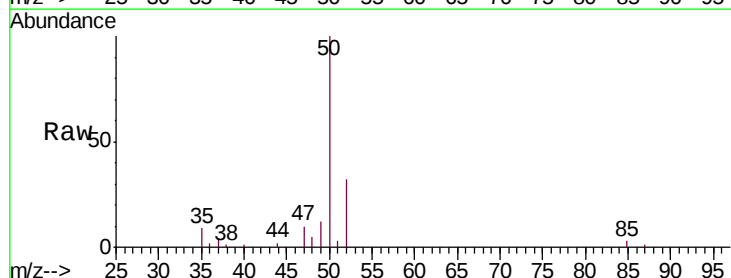
Acq: 27 Dec 2018 16:16

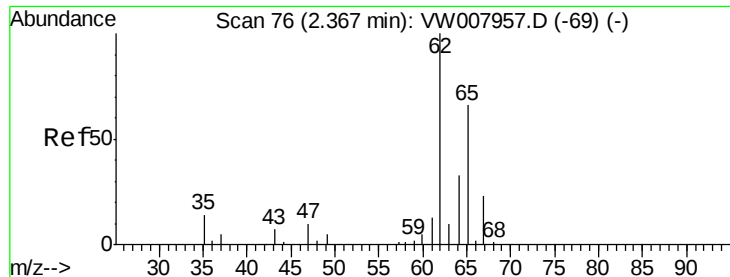
Tgt Ion: 50 Resp: 21242

Ion Ratio Lower Upper

50 100

52 32.0 21.4 39.8





#5

Vinyl chloride

Concen: 24.130 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

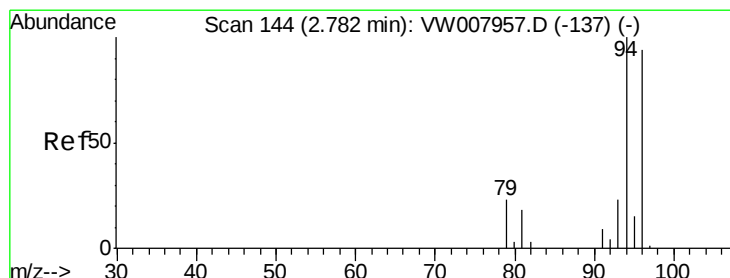
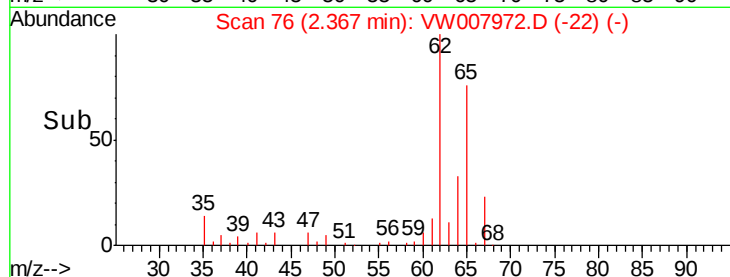
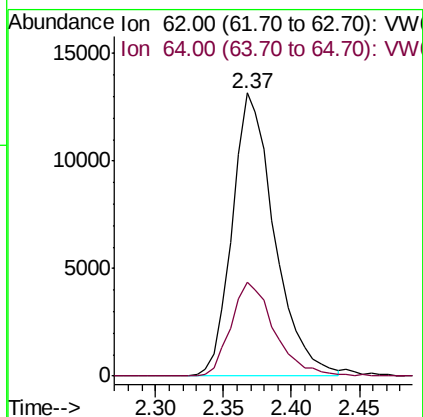
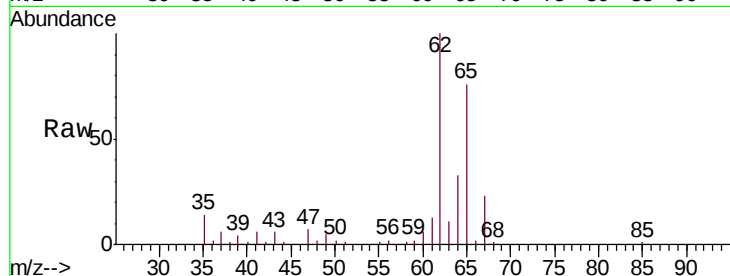
VSTD02592

Tgt Ion: 62 Resp: 28593

Ion Ratio Lower Upper

62 100

64 33.4 22.0 41.0



#6

Bromomethane

Concen: 24.266 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW007972.D

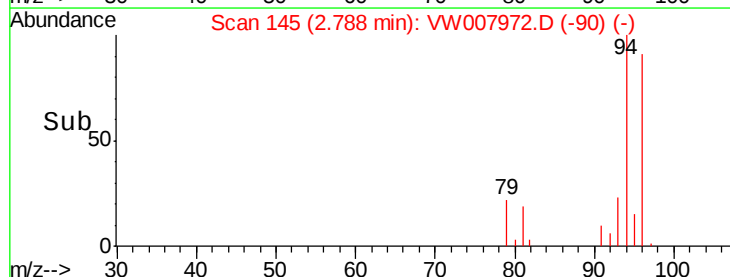
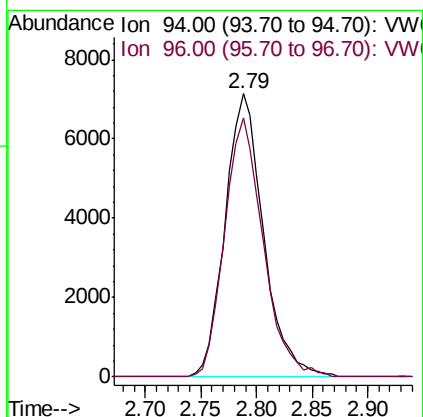
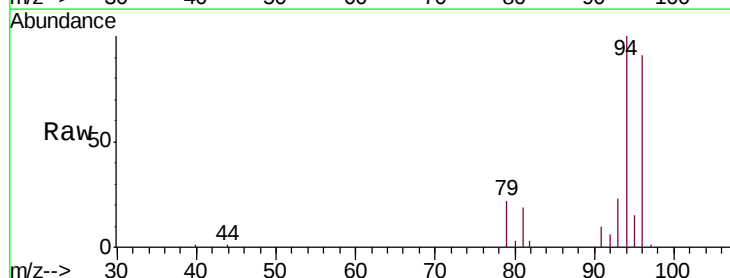
Acq: 27 Dec 2018 16:16

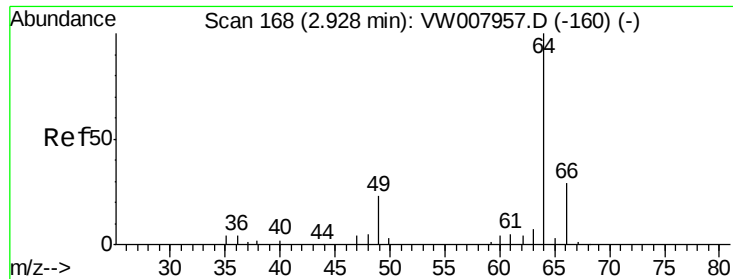
Tgt Ion: 94 Resp: 17059

Ion Ratio Lower Upper

94 100

96 92.0 9.2 175.4





#8

Chloroethane

Concen: 24.360 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

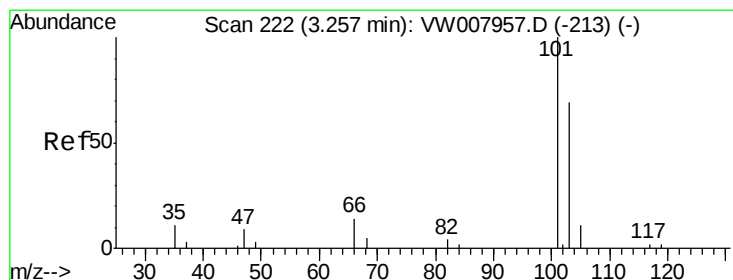
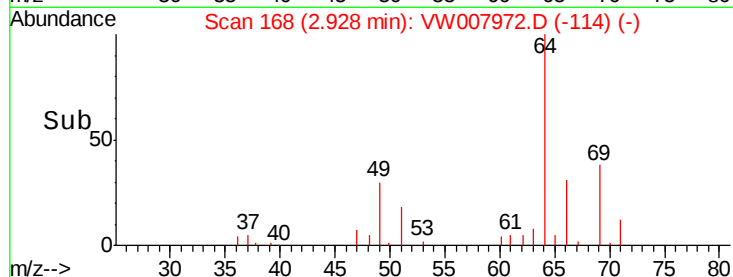
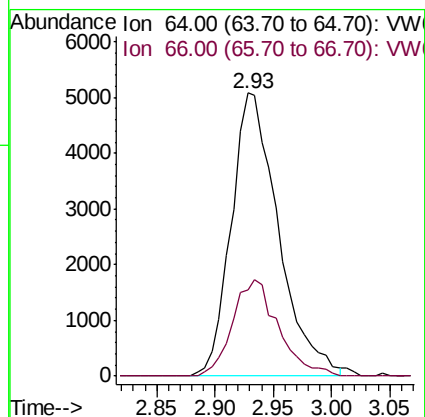
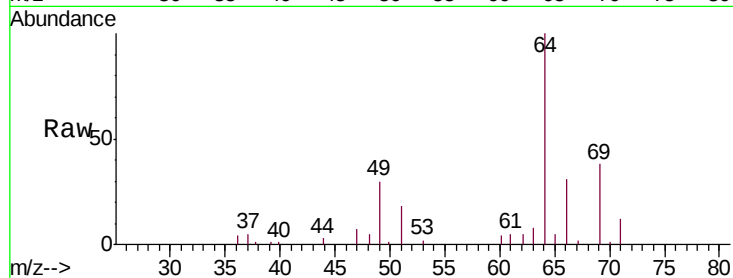
VSTD02592

Tgt Ion: 64 Resp: 14342

Ion Ratio Lower Upper

64 100

66 30.6 23.3 43.3



#9

Trichlorofluoromethane

Concen: 26.301 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW007972.D

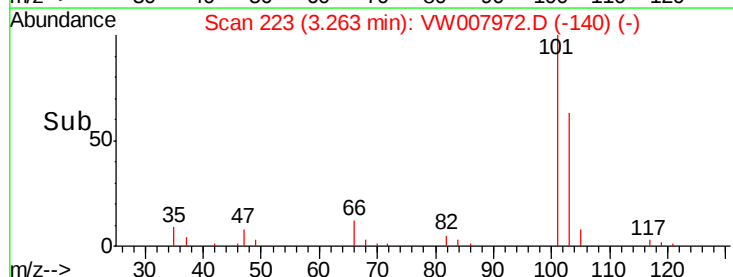
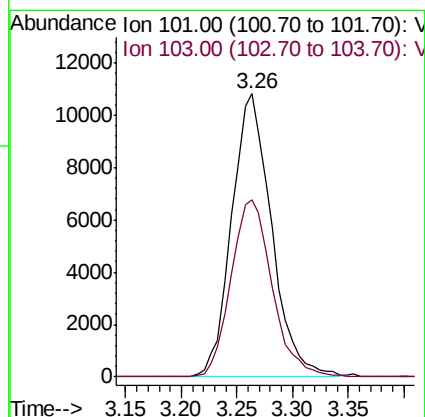
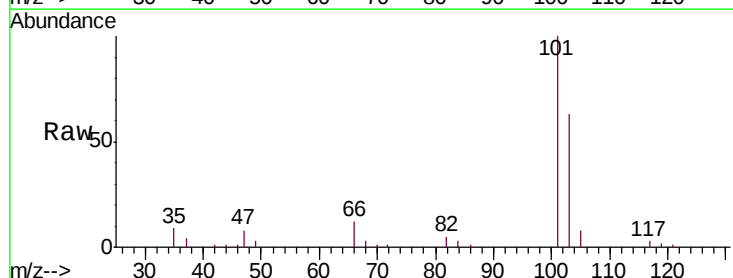
Acq: 27 Dec 2018 16:16

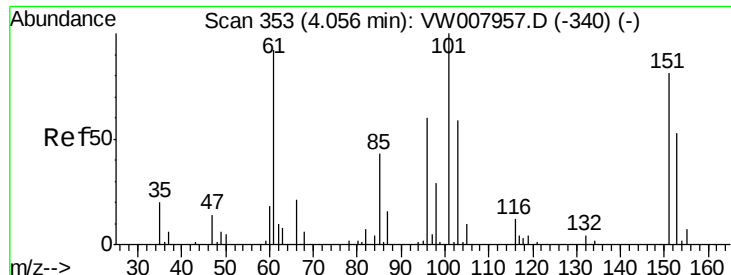
Tgt Ion: 101 Resp: 26912

Ion Ratio Lower Upper

101 100

103 64.3 44.7 83.1





#11

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

Concen: 23.961 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

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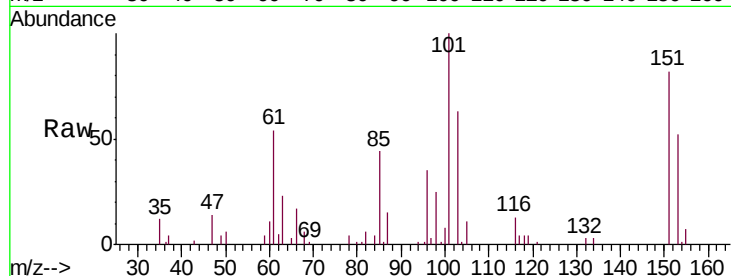
Tgt Ion: 101 Resp: 33173

Ion Ratio Lower Upper

101 100

85 43.9 33.4 50.2

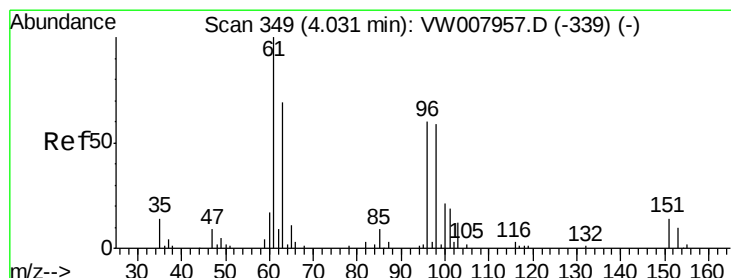
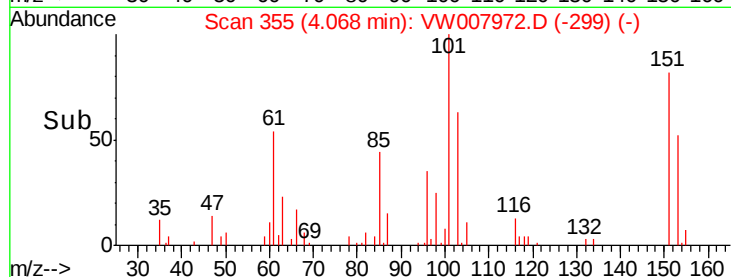
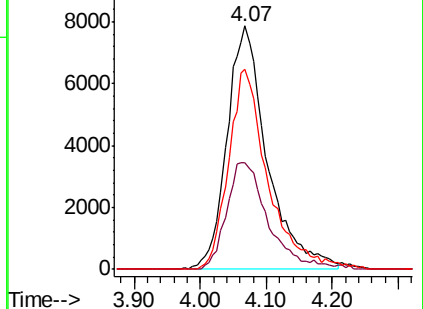
151 77.7 63.2 94.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.226 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

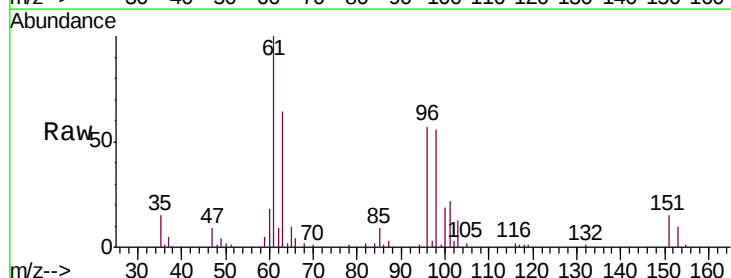
Tgt Ion: 96 Resp: 30713

Ion Ratio Lower Upper

96 100

61 175.1 120.3 223.3

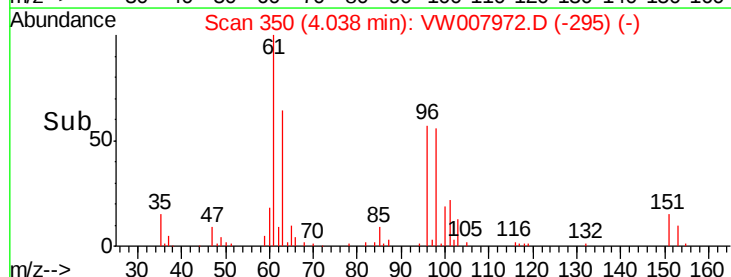
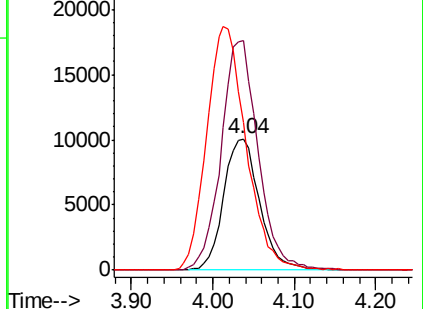
63 112.8 91.6 170.0

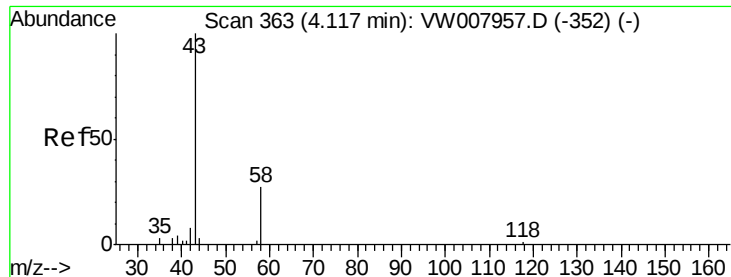


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.604 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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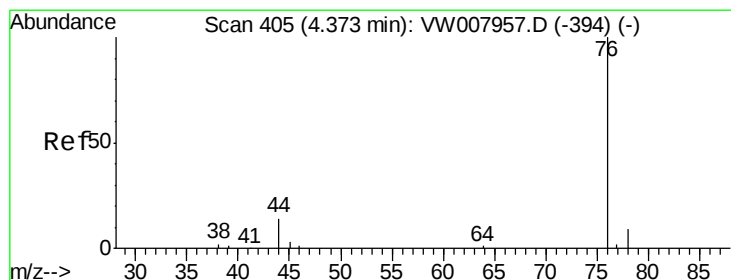
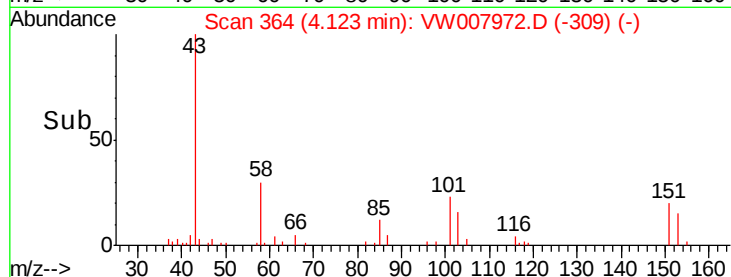
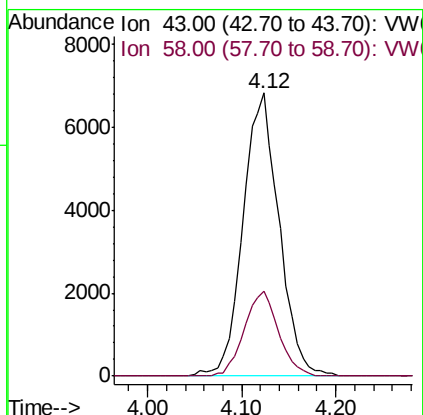
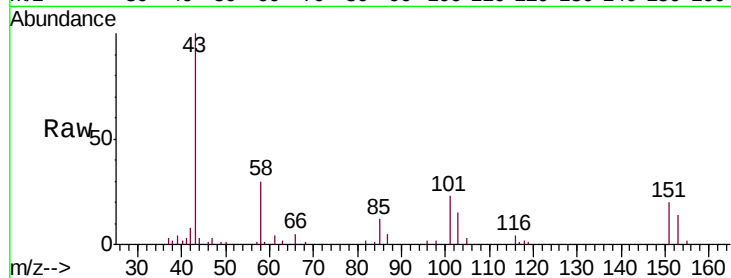
VSTD02592

Tgt Ion: 43 Resp: 18286

Ion Ratio Lower Upper

43 100

58 28.4 0.0 58.6



#14

Carbon disulfide

Concen: 24.039 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW007972.D

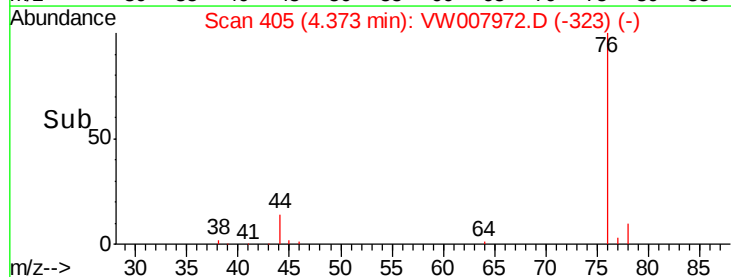
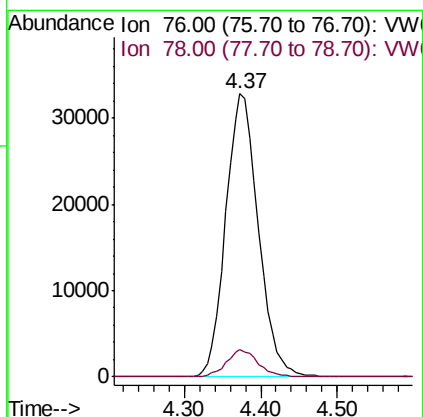
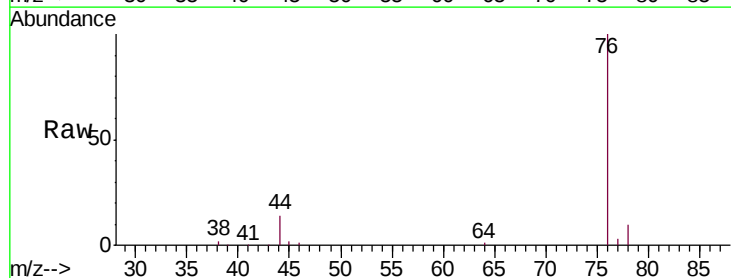
Acq: 27 Dec 2018 16:16

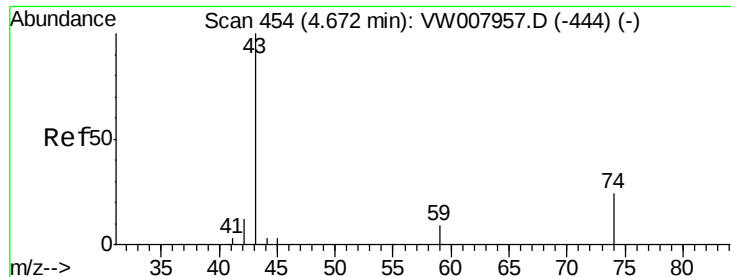
Tgt Ion: 76 Resp: 96529

Ion Ratio Lower Upper

76 100

78 9.8 7.5 11.3





#15

Methyl Acetate

Concen: 19.788 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

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Acq: 27 Dec 2018 16:16

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ClientSampleId :

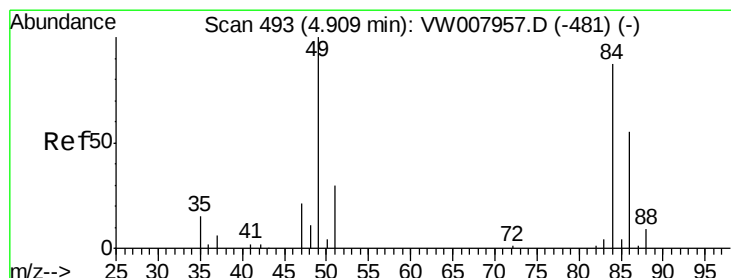
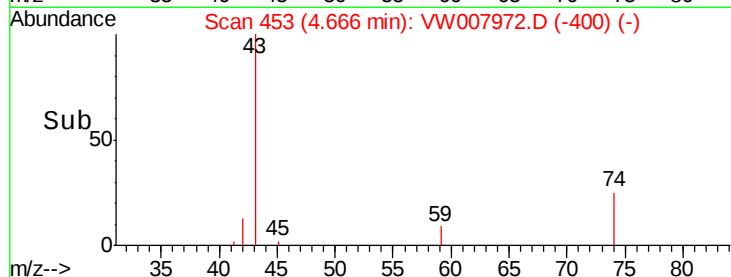
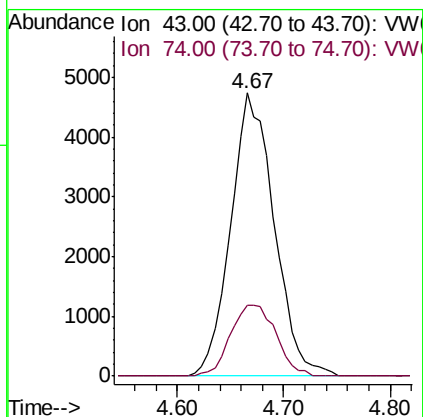
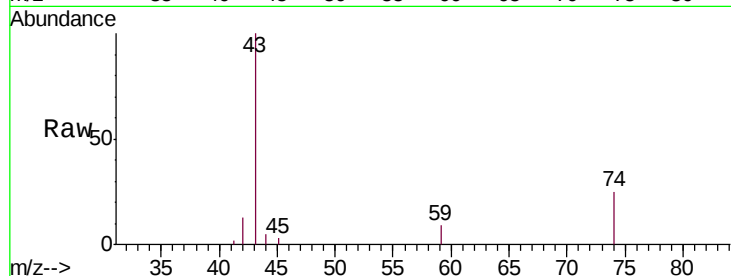
VSTD02592

Tgt Ion: 43 Resp: 13561

Ion Ratio Lower Upper

43 100

74 26.3 20.2 30.2



#16

Methylene chloride

Concen: 19.234 ug/L

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

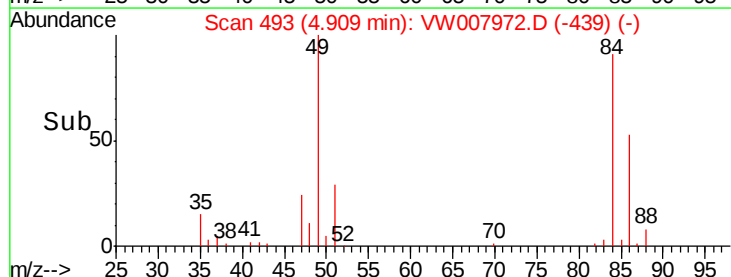
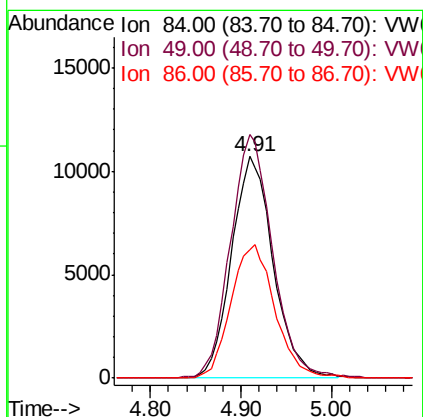
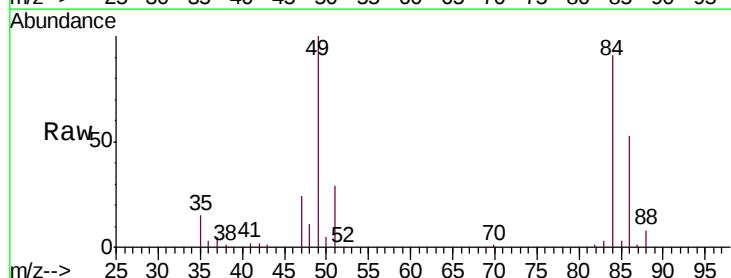
Tgt Ion: 84 Resp: 34133

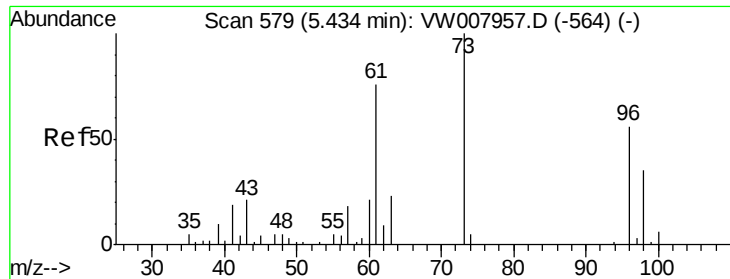
Ion Ratio Lower Upper

84 100

49 109.8 79.2 147.0

86 57.7 43.2 80.2

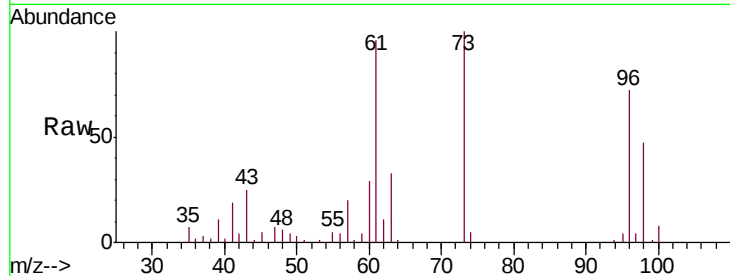




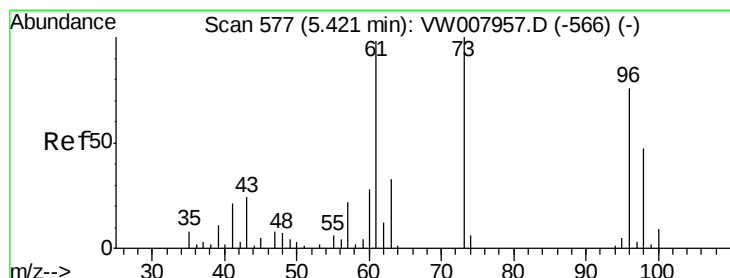
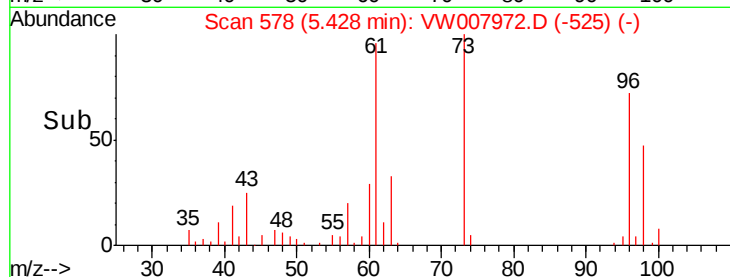
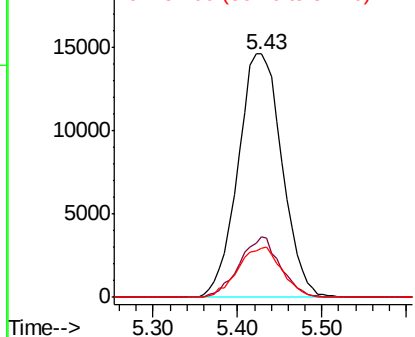
#17
Methyl tert-butyl Ether
Concen: 22.983 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW007972.D
Acq: 27 Dec 2018 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

Tgt Ion: 73 Resp: 51788
Ion Ratio Lower Upper
73 100
43 22.9 18.5 27.7
57 20.4 16.4 24.6

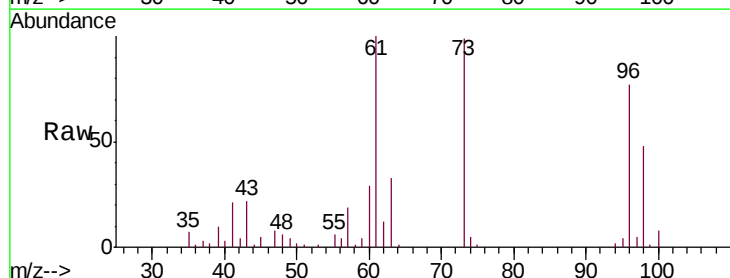


Abundance Ion 73.00 (72.70 to 73.70): VW
20000 Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

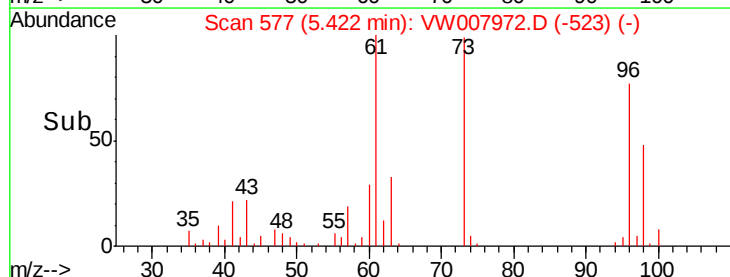
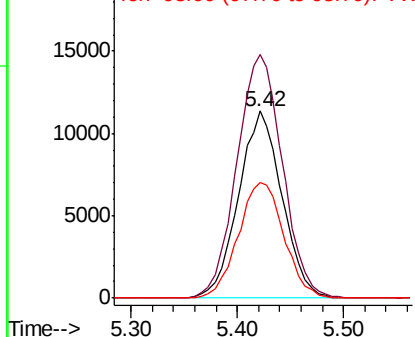


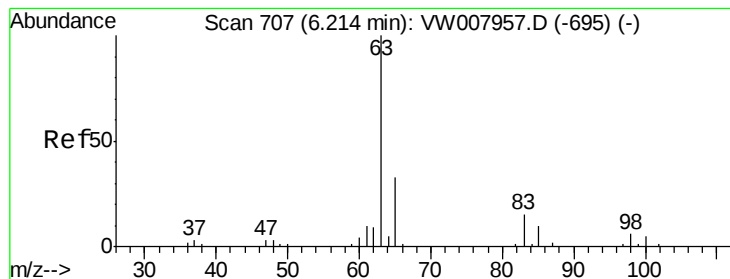
#18
trans-1,2-Dichloroethene
Concen: 23.698 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW007972.D
Acq: 27 Dec 2018 16:16

Tgt Ion: 96 Resp: 32590
Ion Ratio Lower Upper
96 100
61 130.2 91.4 169.8
98 62.0 48.0 89.2



Abundance Ion 96.00 (95.70 to 96.70): VW
20000 Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 23.778 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02592

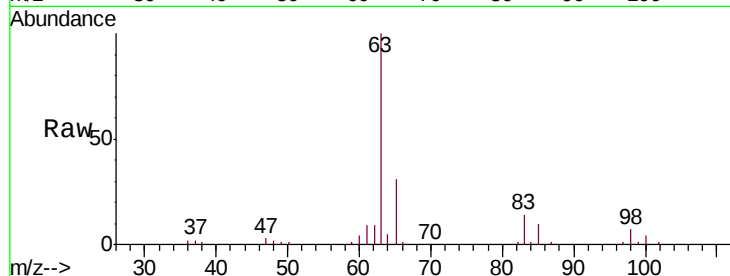
Tgt Ion: 63 Resp: 54400

Ion Ratio Lower Upper

63 100

65 31.3 20.6 38.4

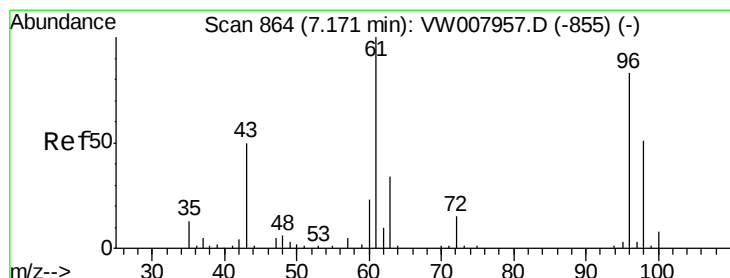
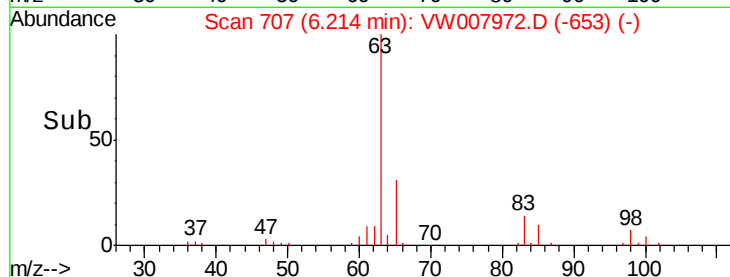
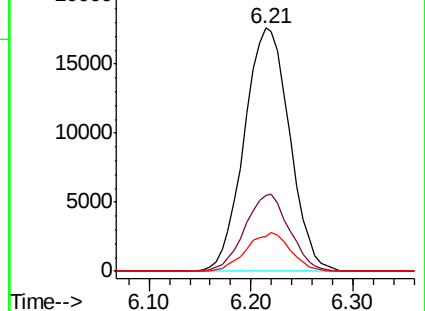
83 14.2 10.0 18.6



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: 37.263 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007972.D

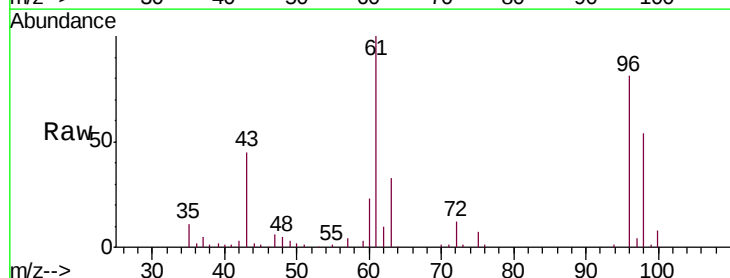
Acq: 27 Dec 2018 16:16

Tgt Ion: 43 Resp: 19095

Ion Ratio Lower Upper

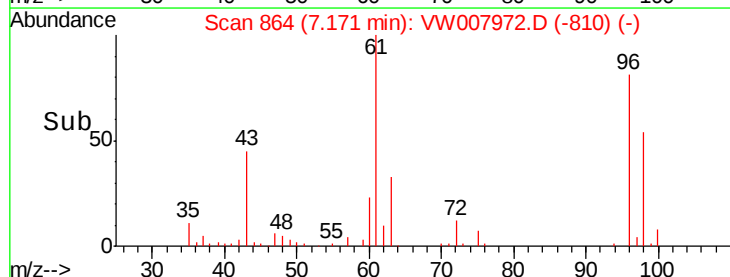
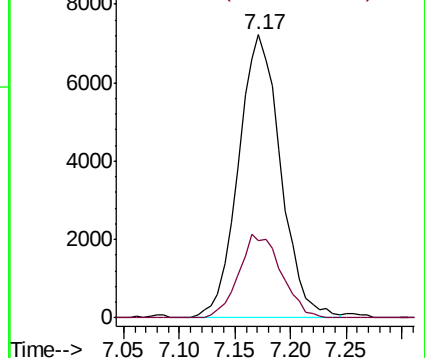
43 100

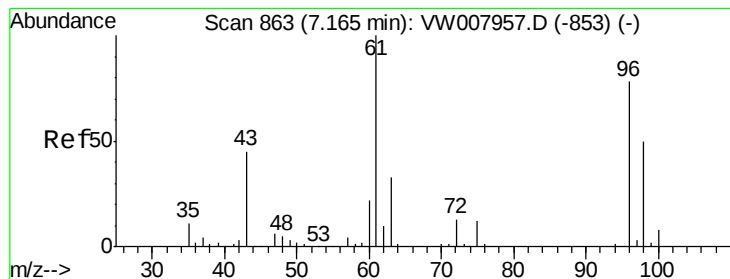
72 29.6 14.4 43.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



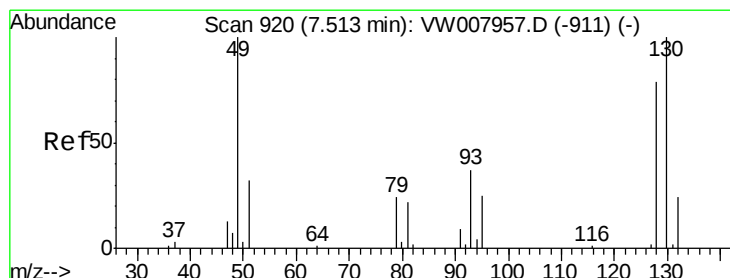
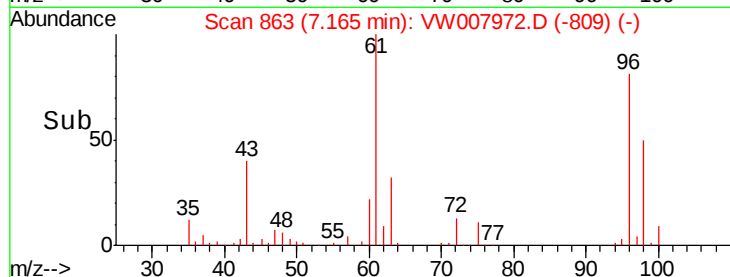
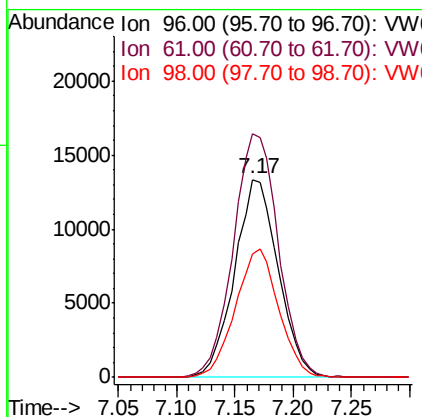
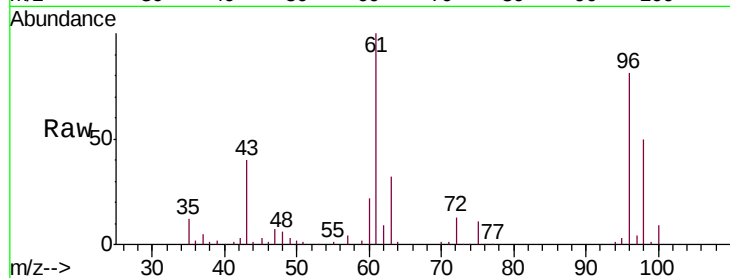


#22

cis-1,2-Dichloroethene
 Concen: 23.606 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

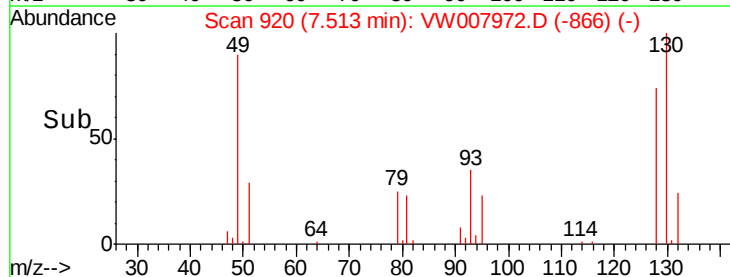
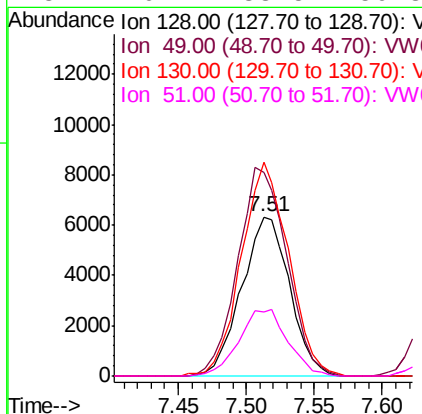
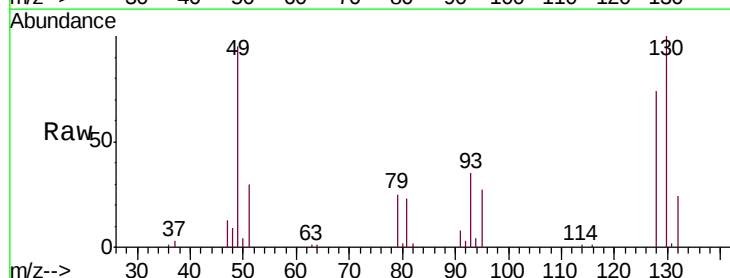
Tgt Ion: 96 Resp: 34786
 Ion Ratio Lower Upper
 96 100
 61 123.0 83.4 155.0
 98 62.1 42.3 78.5

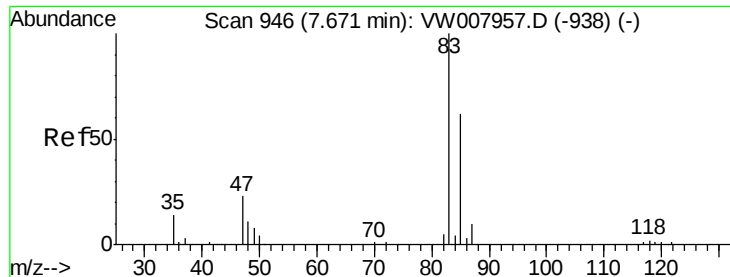


#23

Bromochloromethane
 Concen: 23.570 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

Tgt Ion: 128 Resp: 15638
 Ion Ratio Lower Upper
 128 100
 49 127.9 96.9 180.1
 130 134.5 86.2 160.0
 51 40.4 33.5 50.3

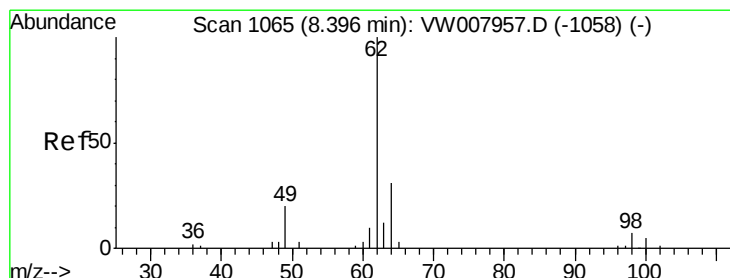
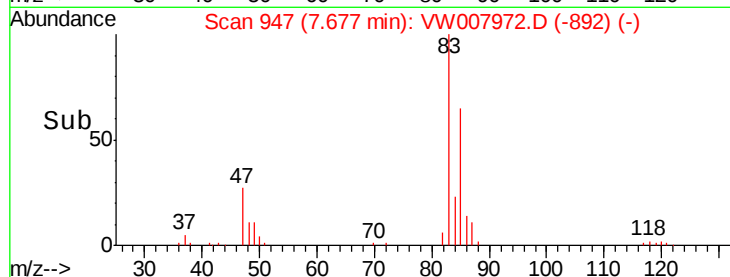
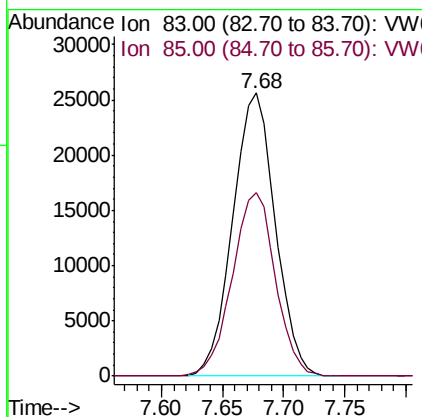
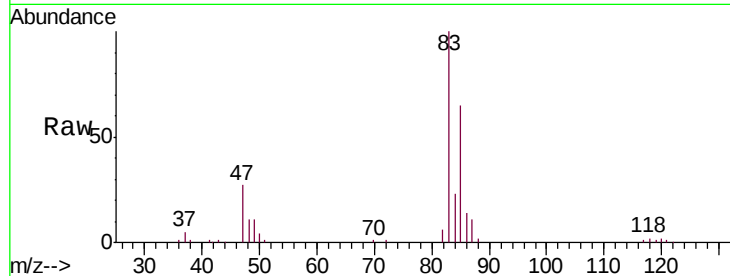




#25
 Chloroform
 Concen: 24.014 ug/L
 RT: 7.68 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

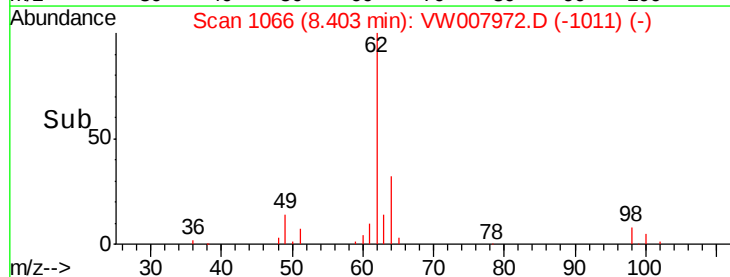
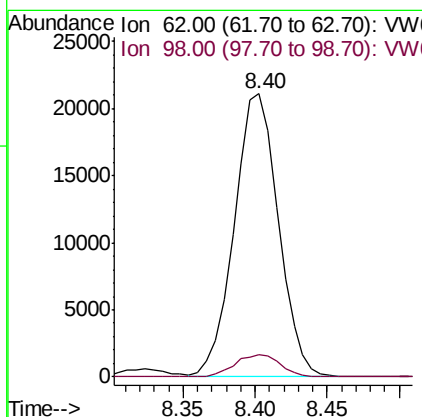
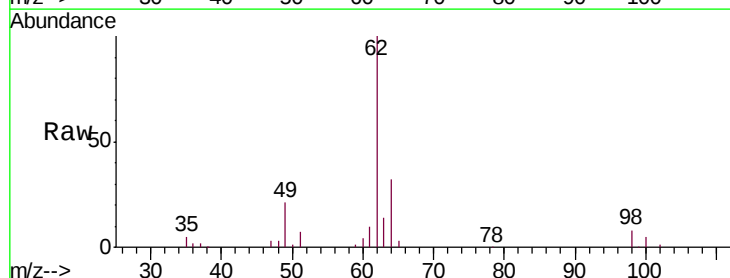
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

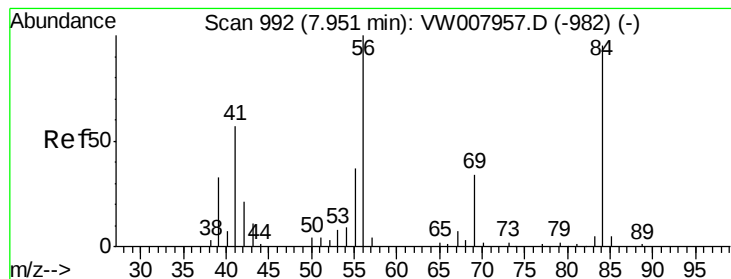
Tgt Ion: 83 Resp: 61875
 Ion Ratio Lower Upper
 83 100
 85 65.7 45.8 85.2



#27
 1,2-Dichloroethane
 Concen: 23.763 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

Tgt Ion: 62 Resp: 44907
 Ion Ratio Lower Upper
 62 100
 98 8.0 5.4 8.2





#30

Cyclohexane

Concen: 23.579 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02592

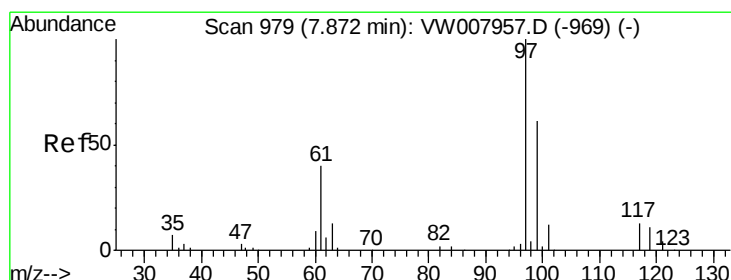
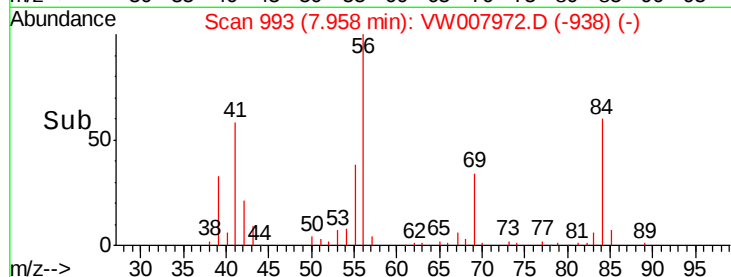
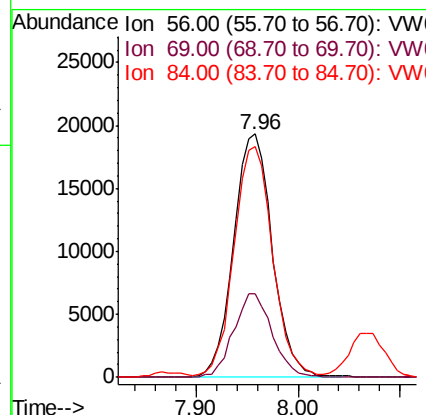
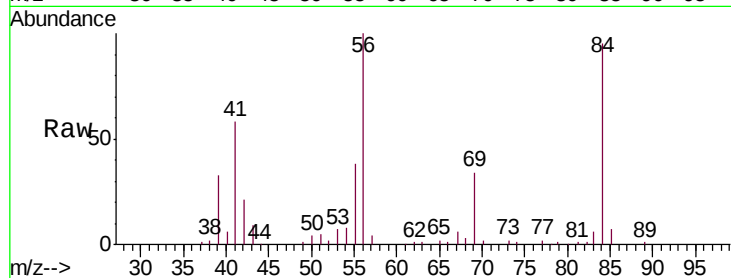
Tgt Ion: 56 Resp: 50973

Ion Ratio Lower Upper

56 100

69 34.0 26.2 39.4

84 94.5 74.3 111.5



#31

1,1,1-Trichloroethane

Concen: 24.672 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

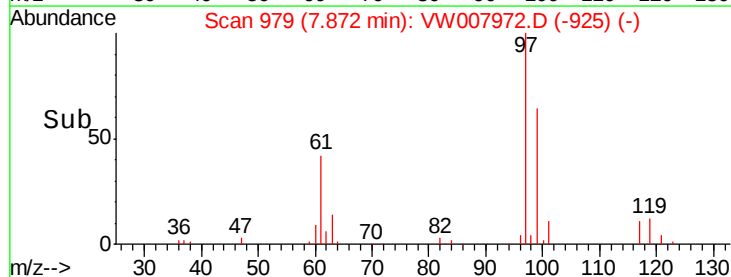
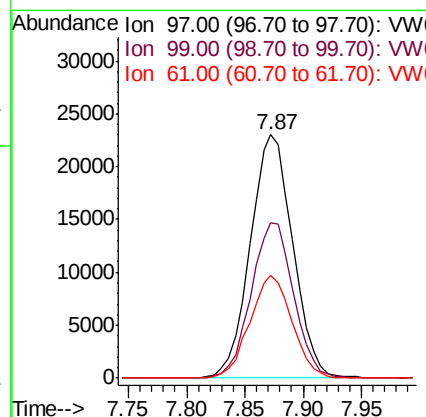
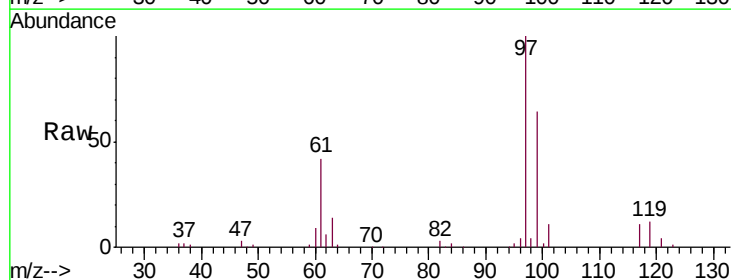
Tgt Ion: 97 Resp: 58123

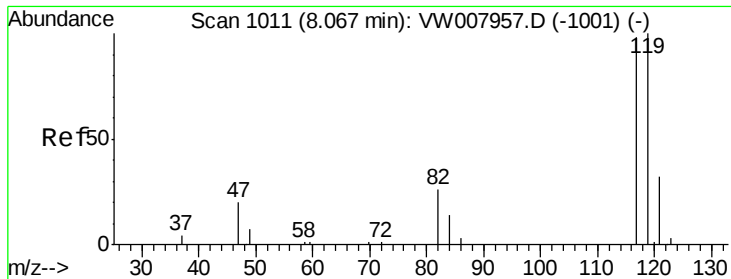
Ion Ratio Lower Upper

97 100

99 63.8 52.3 78.5

61 42.0 33.5 50.3





#32

Carbon tetrachloride

Concen: 24.523 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

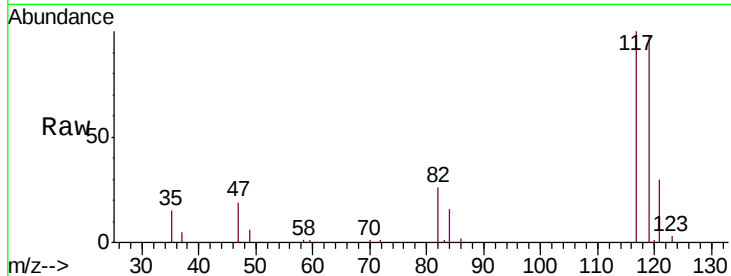
VSTD02592

Tgt Ion:117 Resp: 55465

Ion Ratio Lower Upper

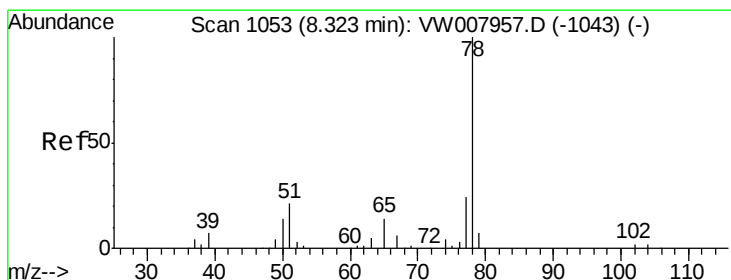
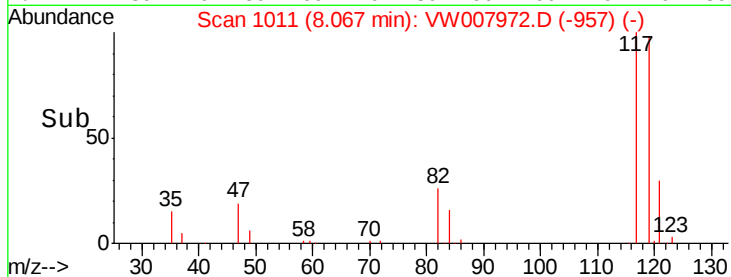
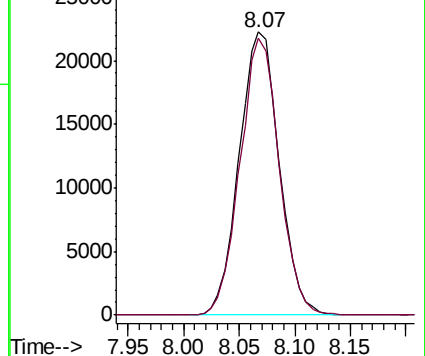
117 100

119 96.2 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.080 ug/L

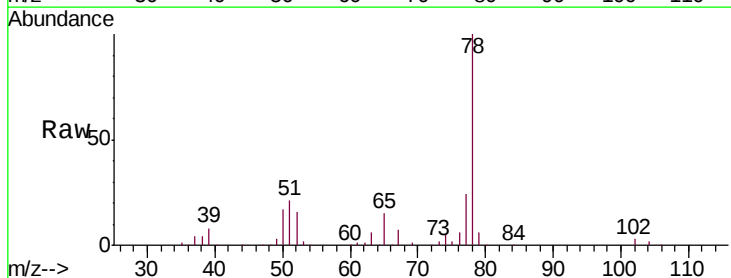
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

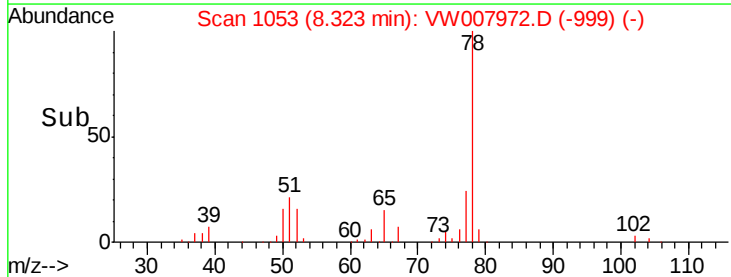
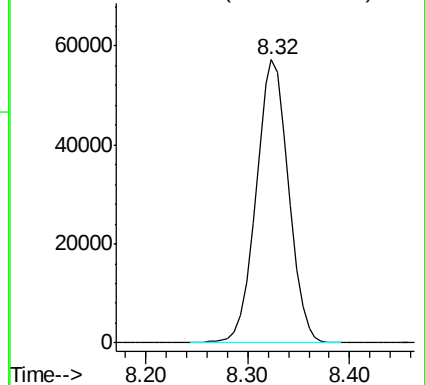
Lab File: VW007972.D

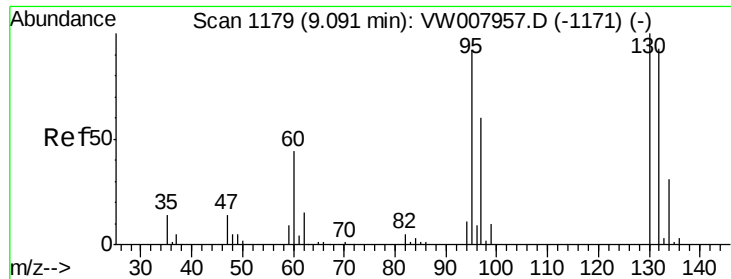
Acq: 27 Dec 2018 16:16

Tgt Ion: 78 Resp: 126613



Abundance Ion 78.00 (77.70 to 78.70): VW

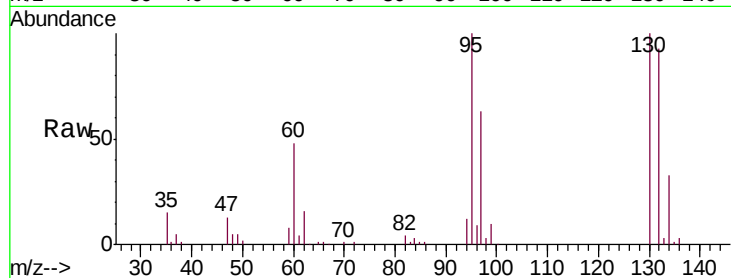




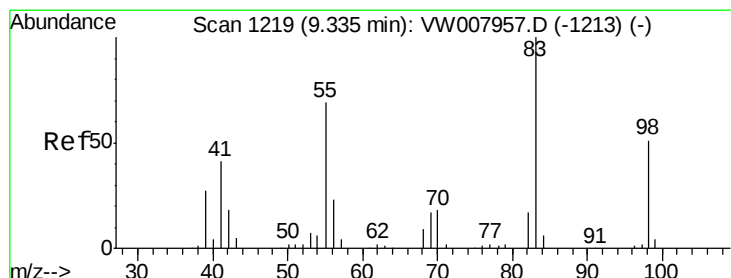
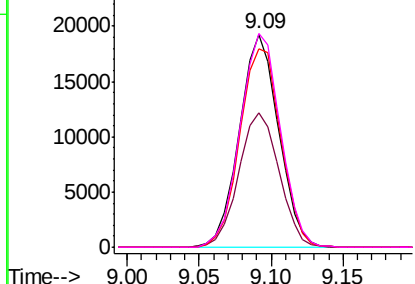
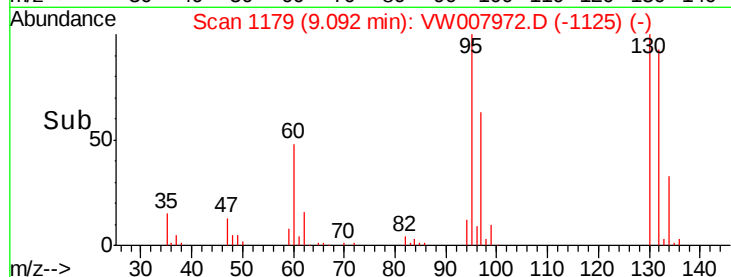
#35
 Trichloroethene
 Concen: 23.813 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

Tgt Ion: 95 Resp: 36378
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.4 82.5
 132 97.8 67.8 126.0
 130 103.1 70.3 130.7

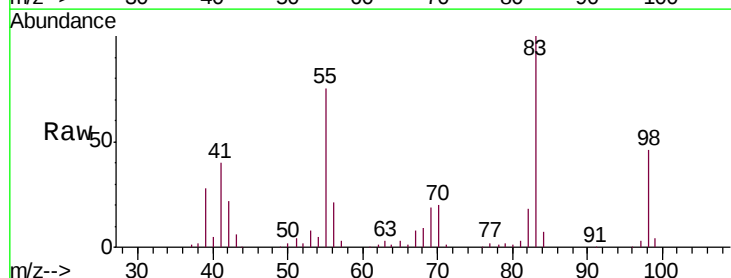


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

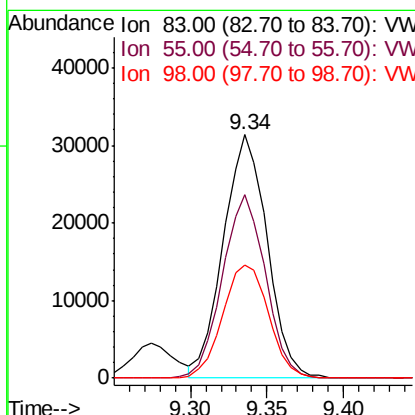
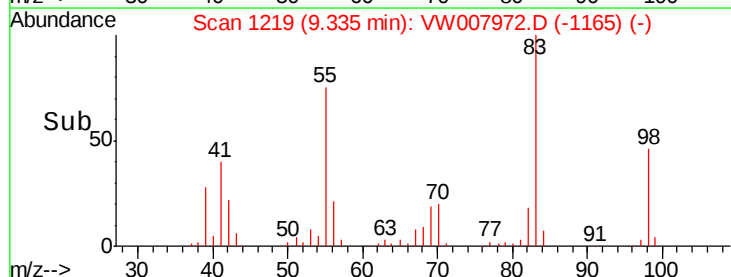


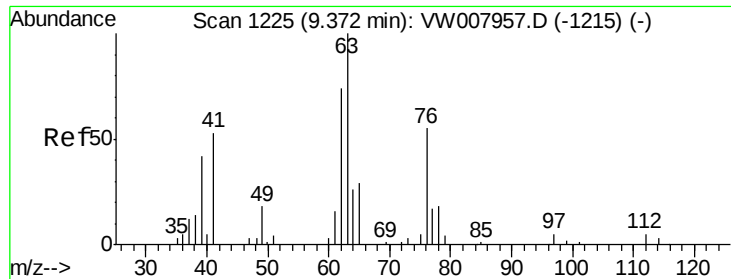
#36
 Methylcyclohexane
 Concen: 23.770 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

Tgt Ion: 83 Resp: 62271
 Ion Ratio Lower Upper
 83 100
 55 74.1 59.4 89.0
 98 49.1 38.2 57.2



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

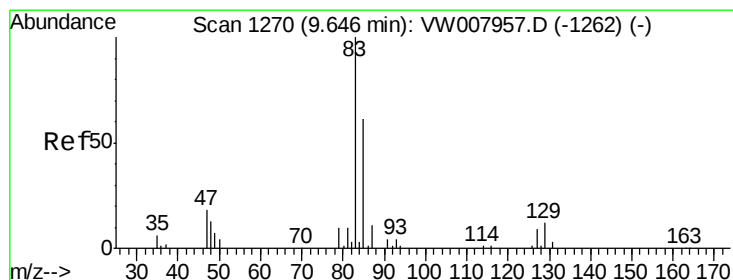
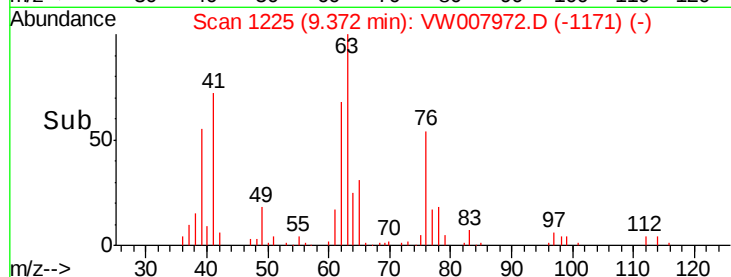
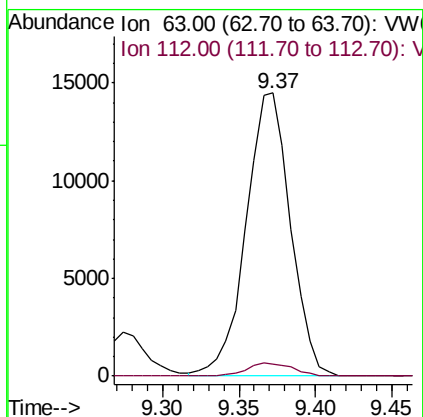
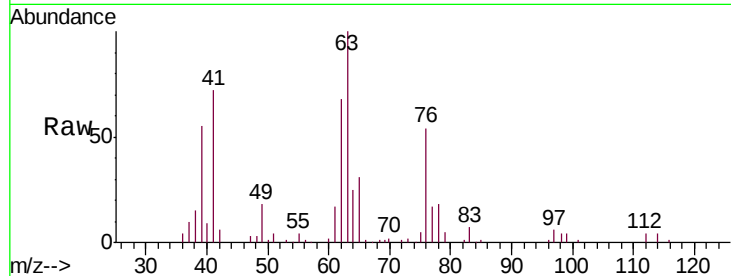




#40
 1,2-Dichloropropane
 Concen: 23.660 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

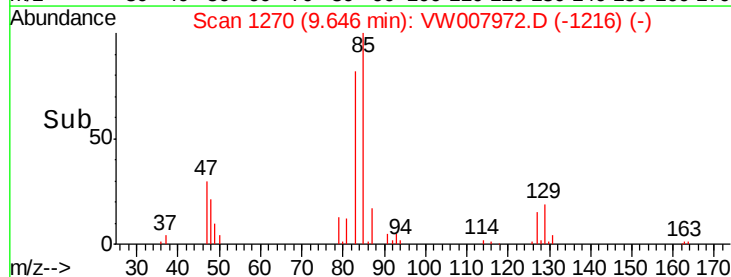
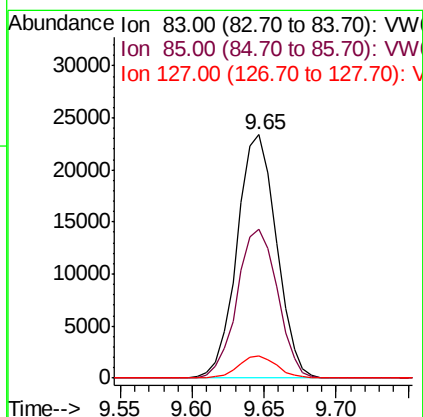
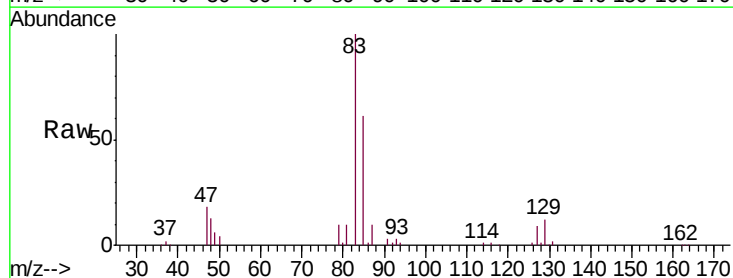
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

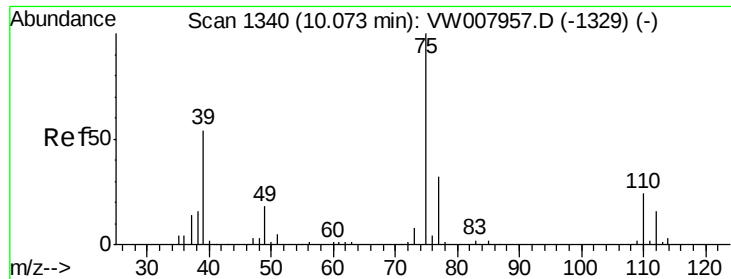
Tgt Ion: 63 Resp: 29244
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#41
 Bromodichloromethane
 Concen: 24.547 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

Tgt Ion: 83 Resp: 44622
 Ion Ratio Lower Upper
 83 100
 85 61.2 44.4 82.5
 127 9.2 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 24.002 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

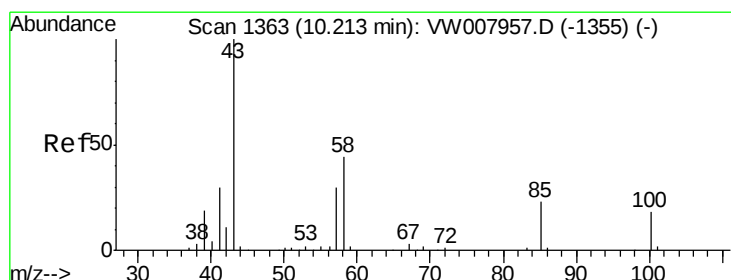
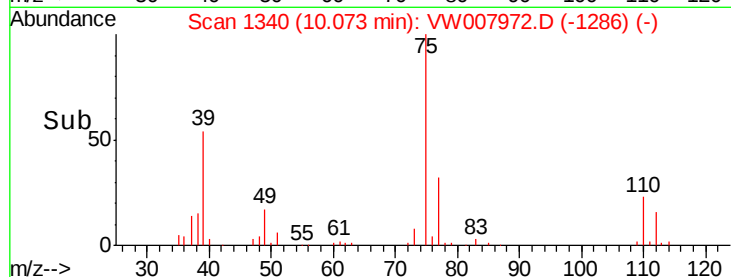
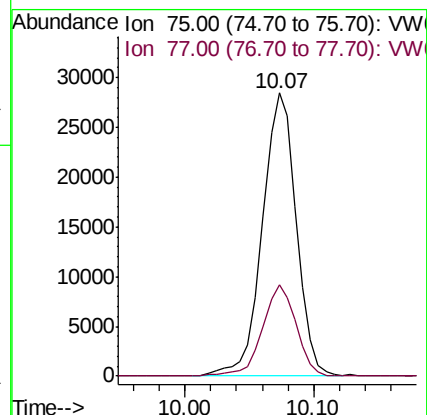
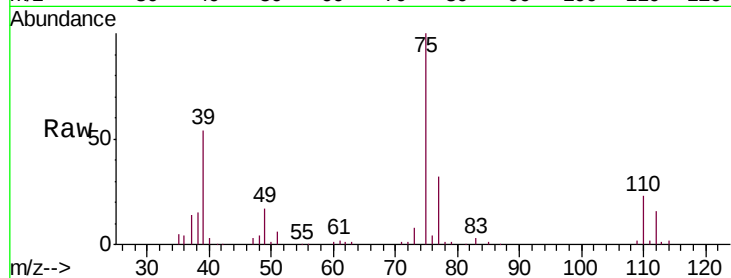
VSTD02592

Tgt Ion: 75 Resp: 51785

Ion Ratio Lower Upper

75 100

77 32.4 23.0 42.8



#43

4-Methyl-2-pentanone

Concen: 38.833 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

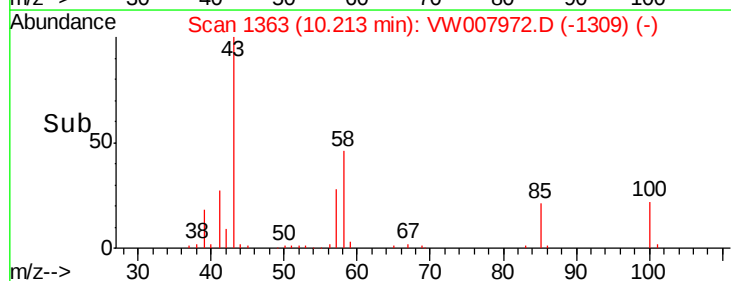
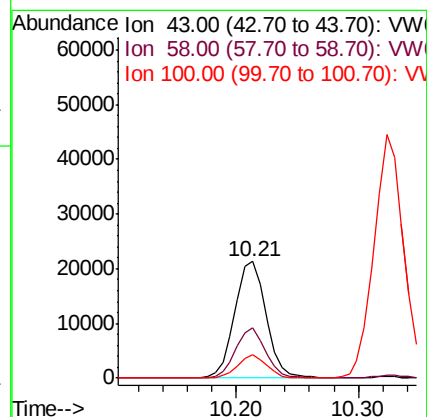
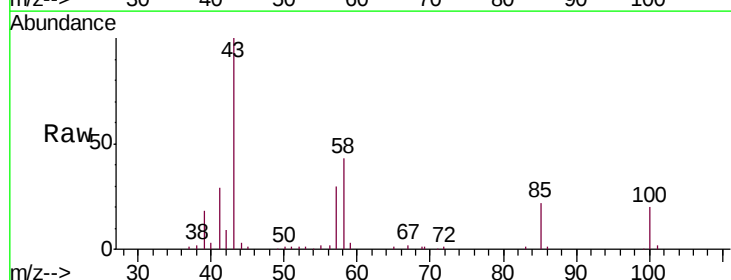
Tgt Ion: 43 Resp: 37989

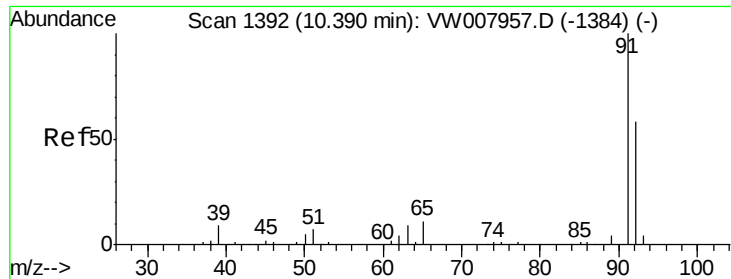
Ion Ratio Lower Upper

43 100

58 41.2 31.1 46.7

100 18.3 14.0 21.0





#44

Toluene

Concen: 24.357 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

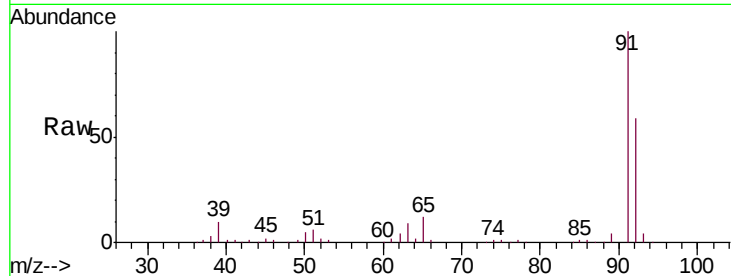
VSTD02592

Tgt Ion: 91 Resp: 143291

Ion Ratio Lower Upper

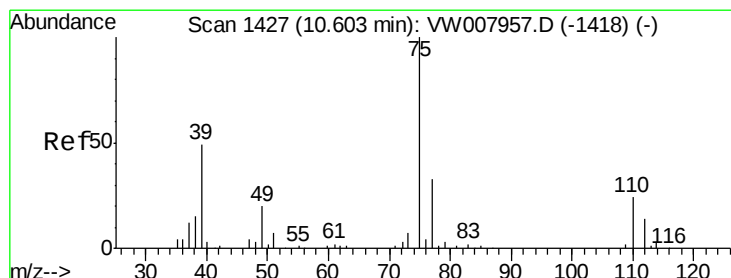
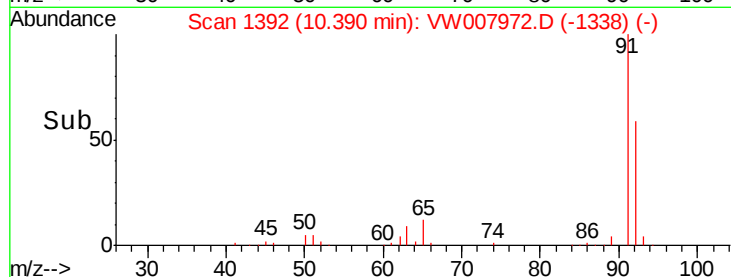
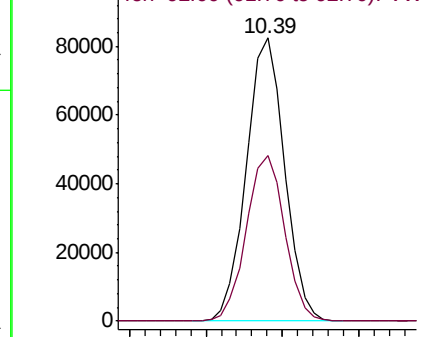
91 100

92 58.5 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 23.173 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007972.D

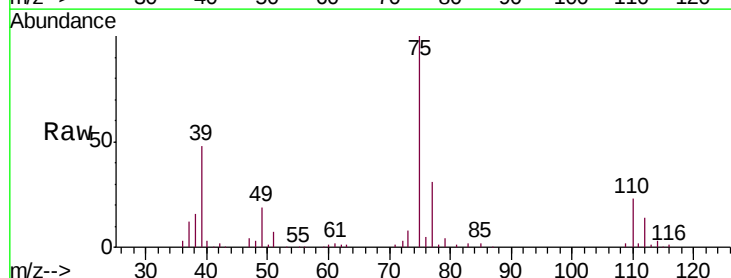
Acq: 27 Dec 2018 16:16

Tgt Ion: 75 Resp: 46069

Ion Ratio Lower Upper

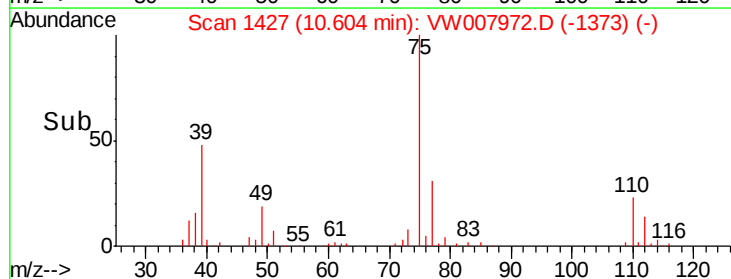
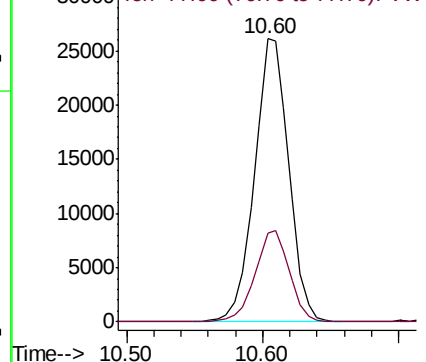
75 100

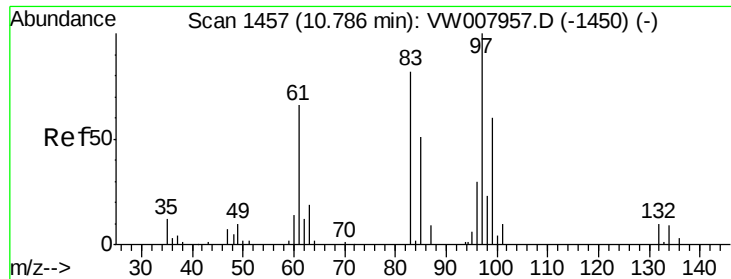
77 31.4 21.1 39.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 23.065 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02592

Tgt Ion: 97 Resp: 24119

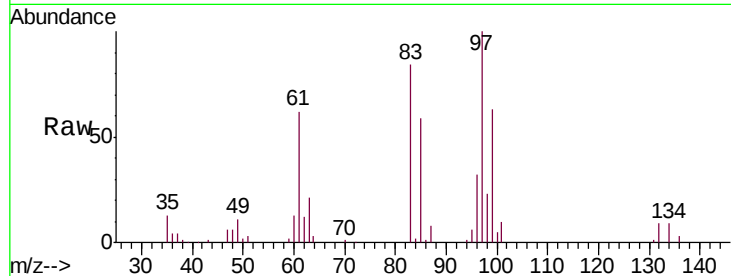
Ion Ratio Lower Upper

97 100

83 83.6 58.4 108.6

85 58.5 36.4 67.6

99 62.6 43.8 81.3



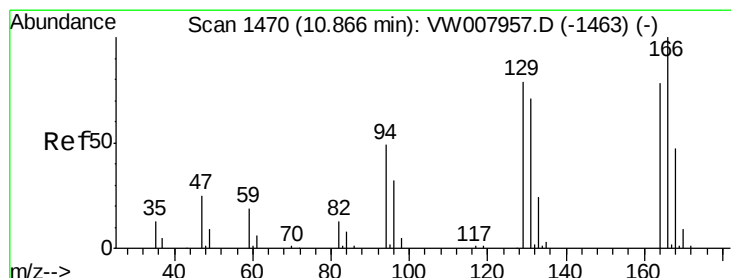
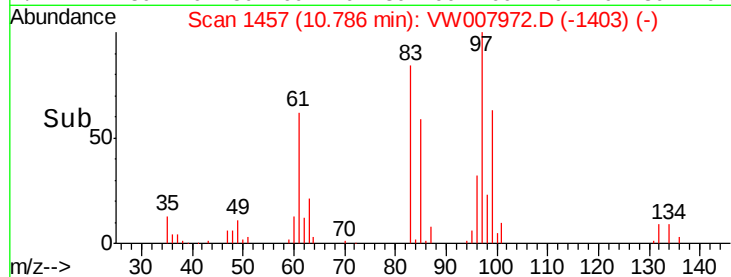
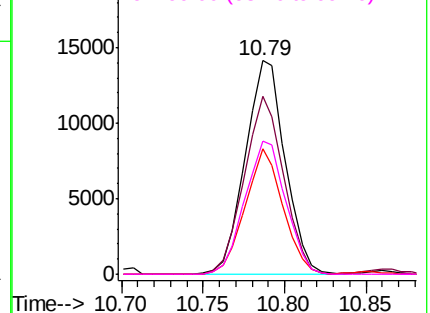
Abundance

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: 24.199 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

Tgt Ion: 164 Resp: 29372

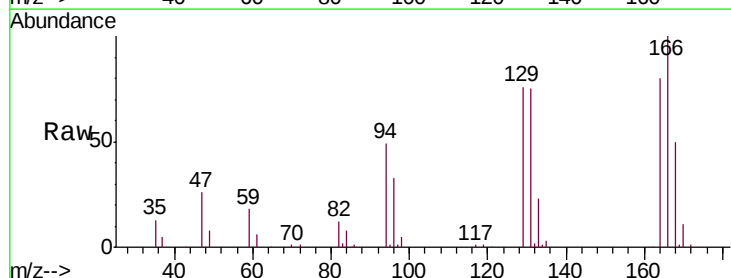
Ion Ratio Lower Upper

164 100

129 95.8 70.6 131.2

131 94.5 66.5 123.5

166 125.5 87.7 162.9



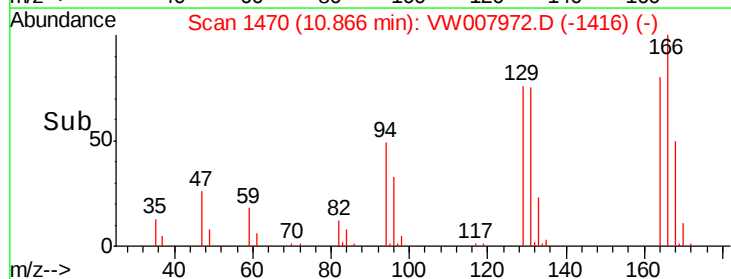
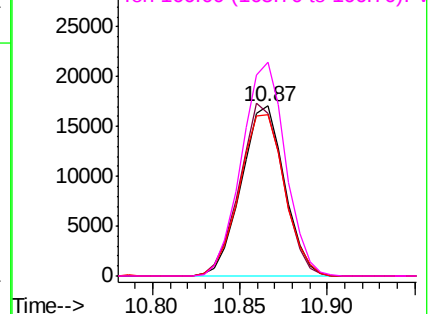
Abundance

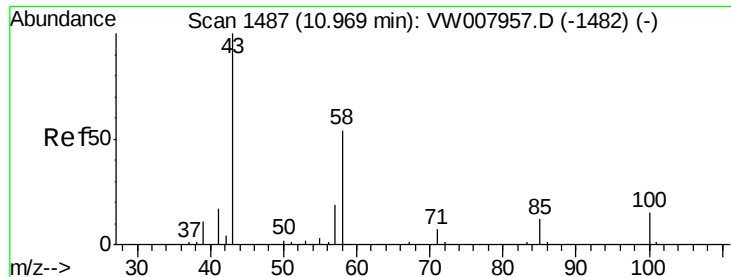
Ion 164.00 (163.70 to 164.70): V

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: 39.756 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02592

Tgt Ion: 43 Resp: 28059

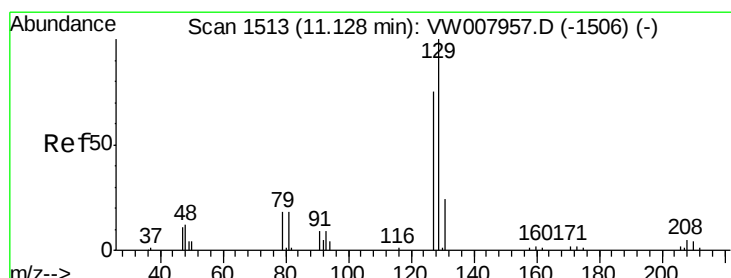
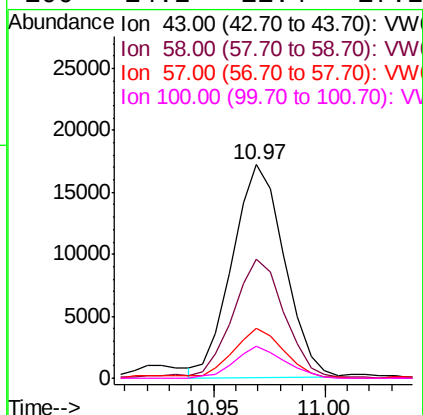
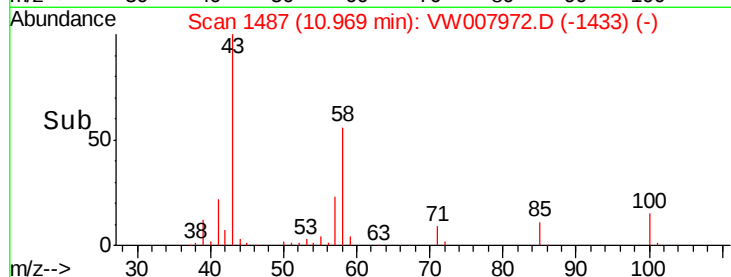
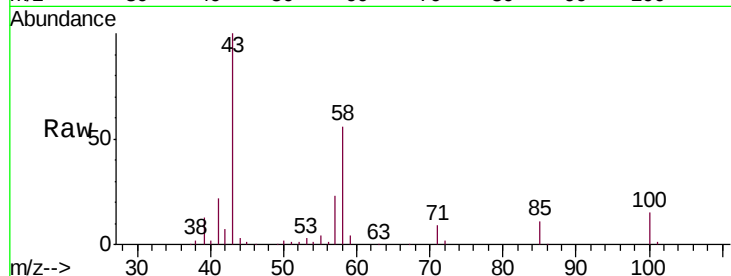
Ion Ratio Lower Upper

43 100

58 54.9 46.2 69.4

57 22.4 17.9 26.9

100 14.2 11.4 17.2



#50

Dibromochloromethane

Concen: 23.657 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007972.D

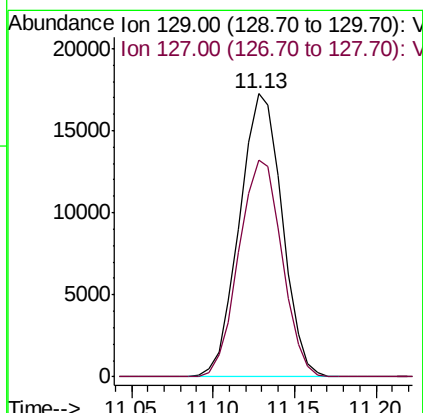
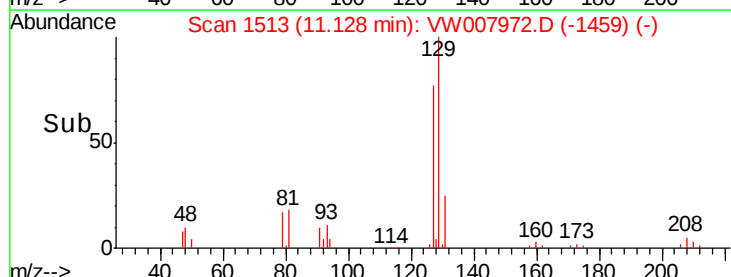
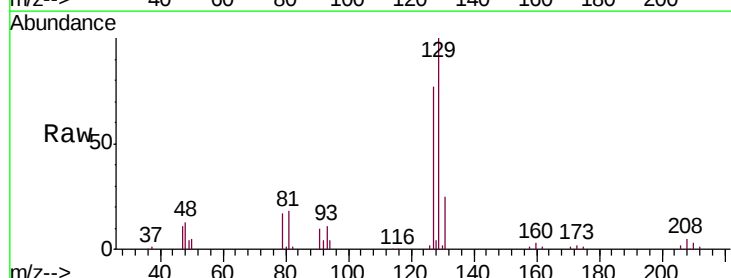
Acq: 27 Dec 2018 16:16

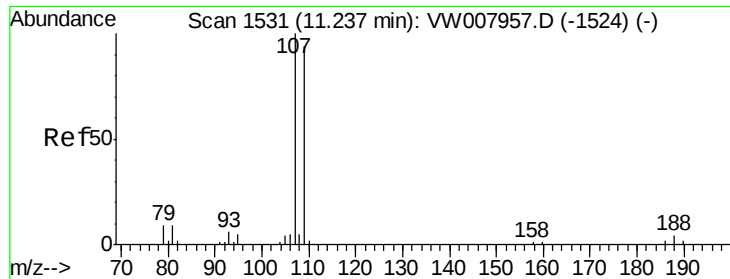
Tgt Ion: 129 Resp: 31516

Ion Ratio Lower Upper

129 100

127 76.7 55.8 103.6

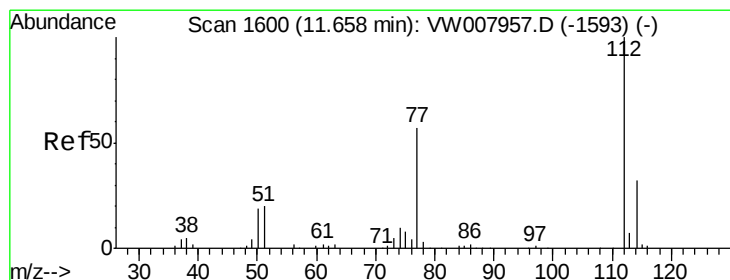
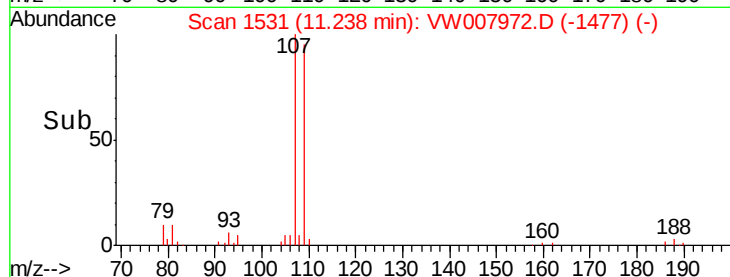
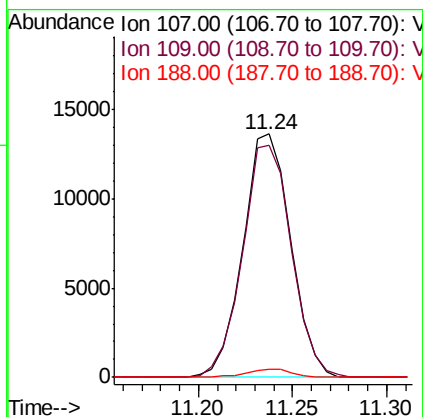
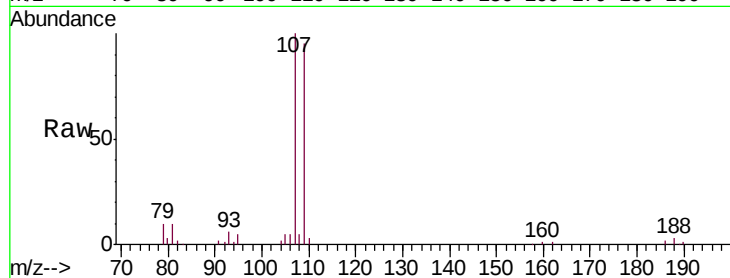




#51
1,2-Dibromoethane
Concen: 22.520 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW007972.D
Acq: 27 Dec 2018 16:16

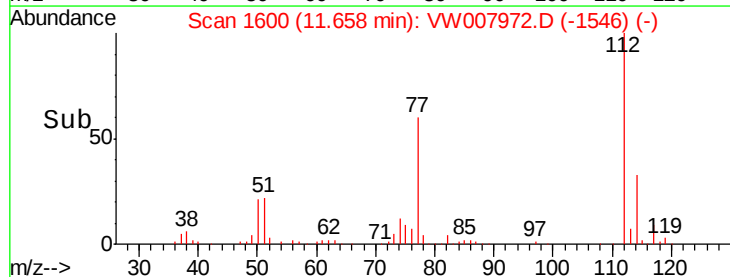
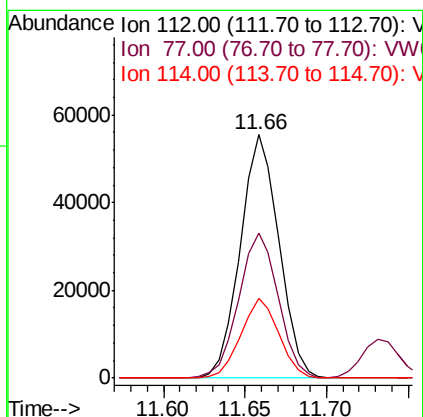
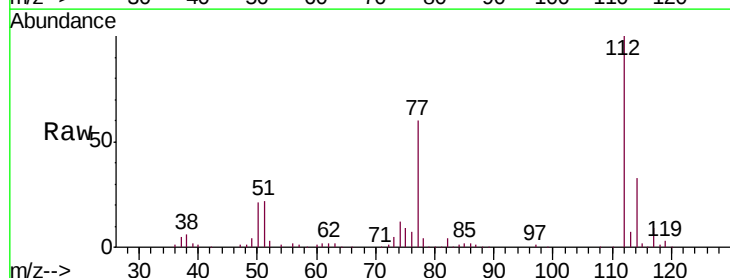
Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

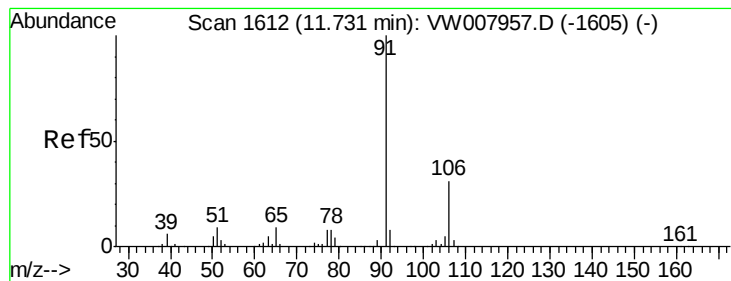
Tgt Ion:107 Resp: 24035
Ion Ratio Lower Upper
107 100
109 95.4 63.2 117.4
188 3.4 3.1 4.7



#52
Chlorobenzene
Concen: 23.957 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007972.D
Acq: 27 Dec 2018 16:16

Tgt Ion:112 Resp: 91744
Ion Ratio Lower Upper
112 100
77 59.6 47.8 71.6
114 33.0 22.2 41.2





#53

Ethylbenzene

Concen: 24.476 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

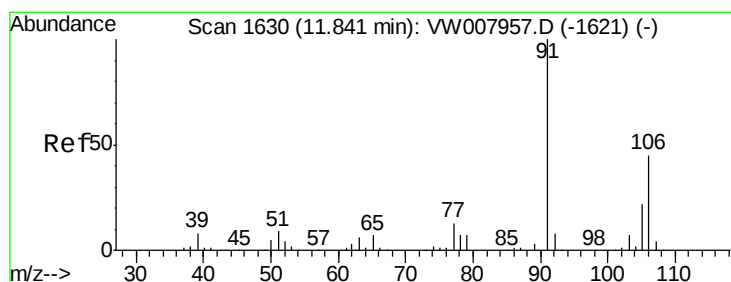
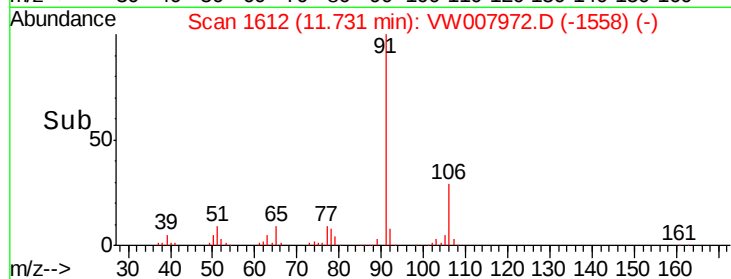
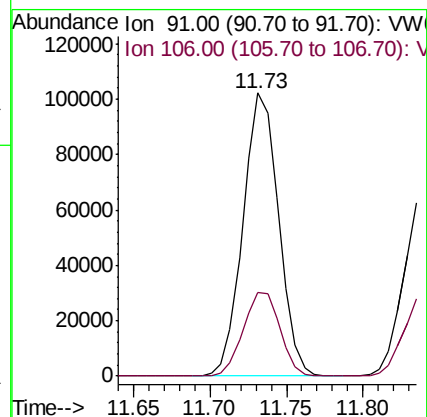
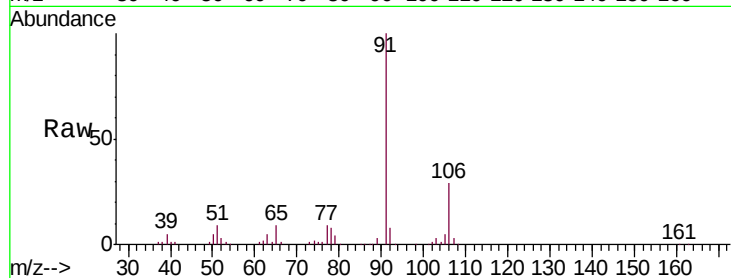
VSTD02592

Tgt Ion: 91 Resp: 165435

Ion Ratio Lower Upper

91 100

106 29.4 21.5 39.9



#54

m,p-Xylene

Concen: 24.696 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW007972.D

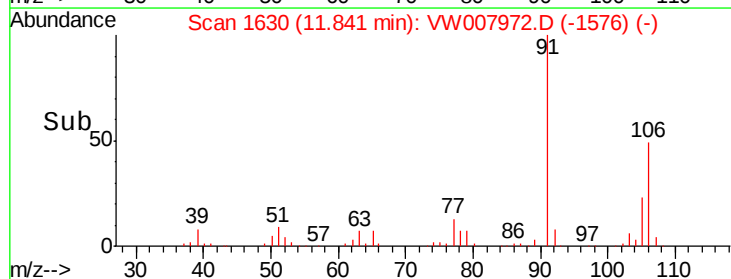
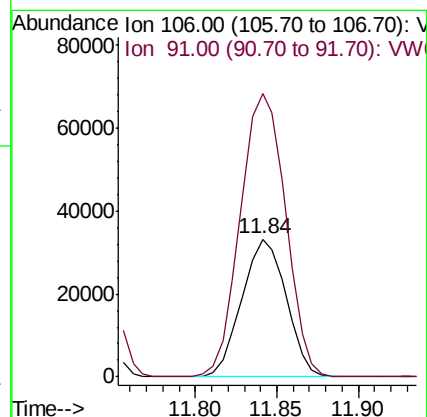
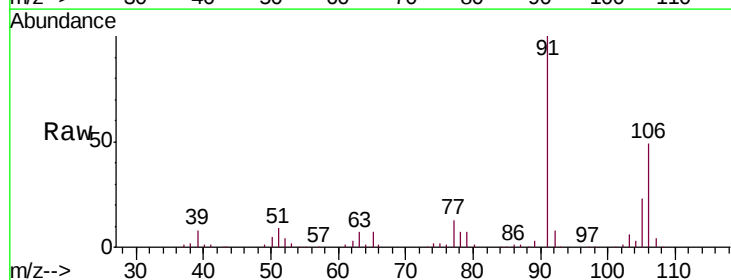
Acq: 27 Dec 2018 16:16

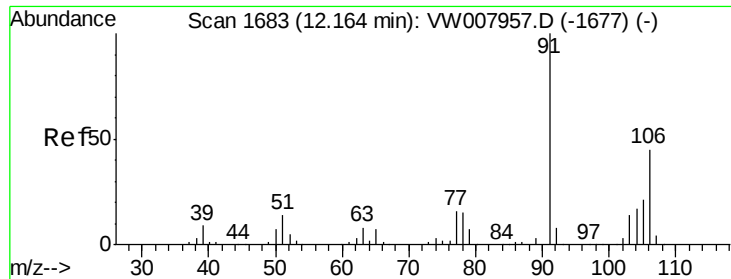
Tgt Ion: 106 Resp: 62889

Ion Ratio Lower Upper

106 100

91 205.1 147.8 274.4

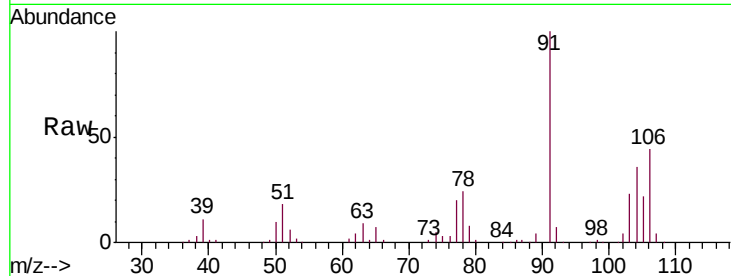




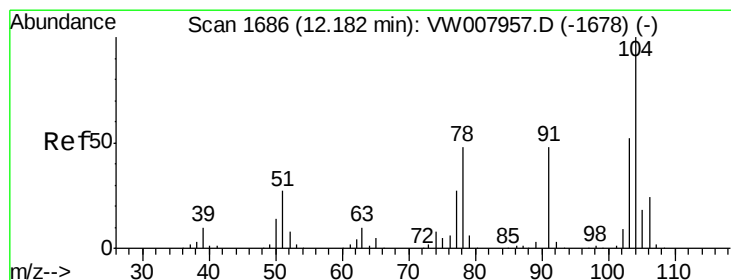
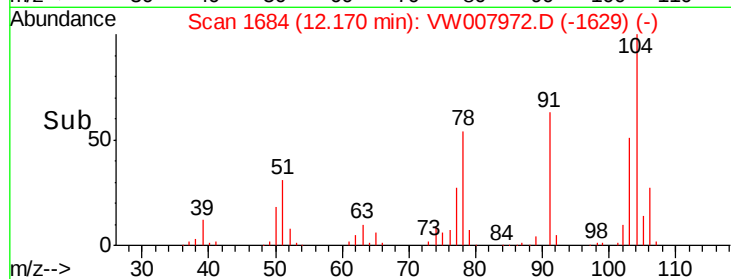
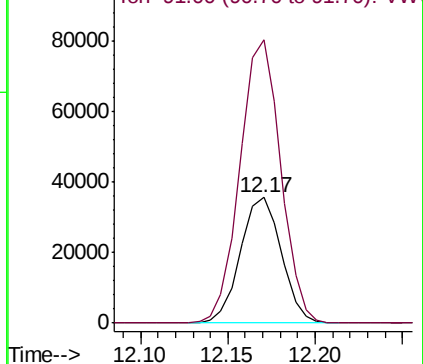
#55
o-xylene
Concen: 24.079 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW007972.D
Acq: 27 Dec 2018 16:16

Instrument :
MSVOA_W
ClientSampled :
VSTD02592

Tgt Ion:106 Resp: 58153
Ion Ratio Lower Upper
106 100
91 225.9 156.0 289.6

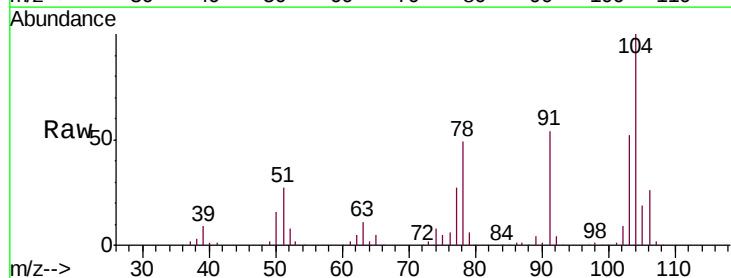


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

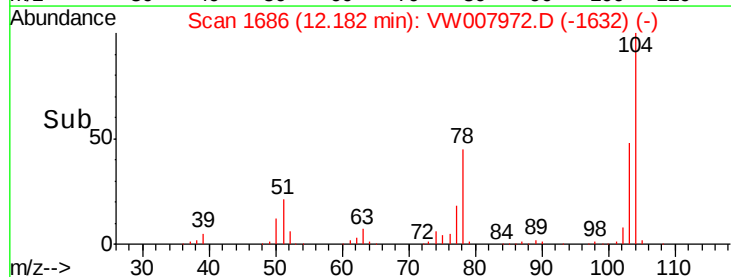
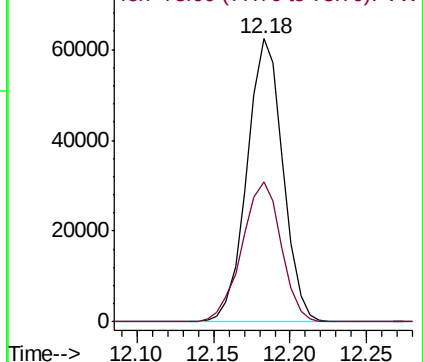


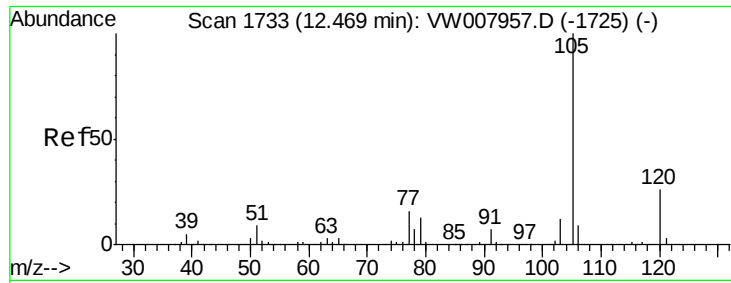
#56
Styrene
Concen: 24.866 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007972.D
Acq: 27 Dec 2018 16:16

Tgt Ion:104 Resp: 101787
Ion Ratio Lower Upper
104 100
78 49.3 34.6 64.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.482 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02592

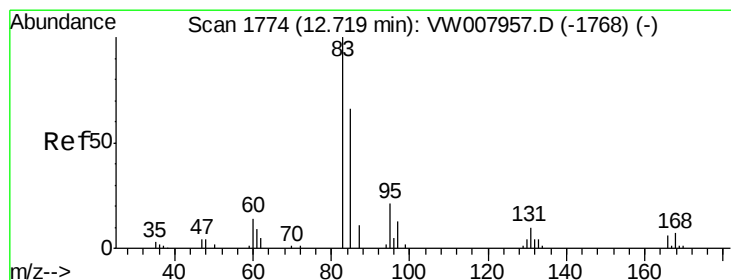
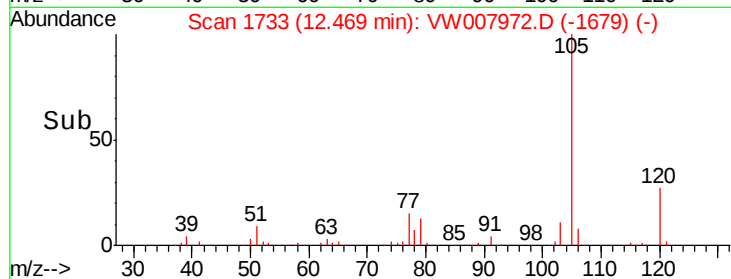
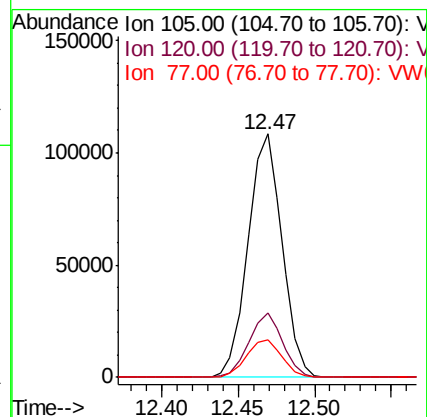
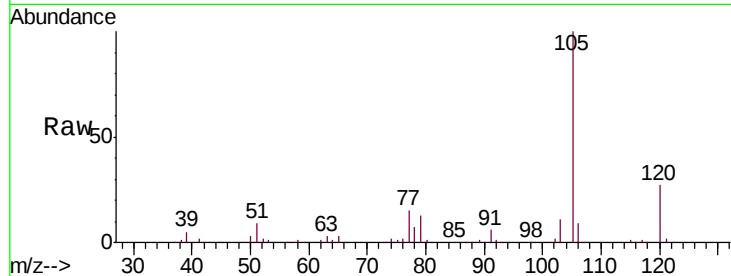
Tgt Ion: 105 Resp: 167489

Ion Ratio Lower Upper

105 100

120 26.0 21.1 31.7

77 16.2 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 21.324 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

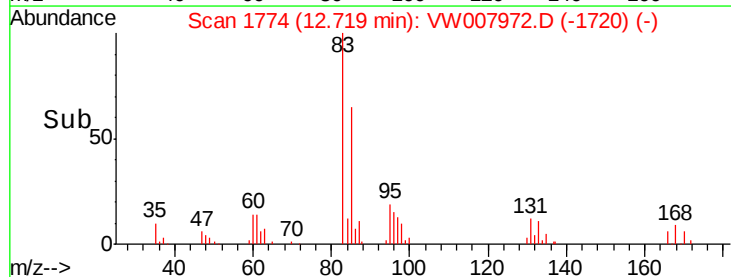
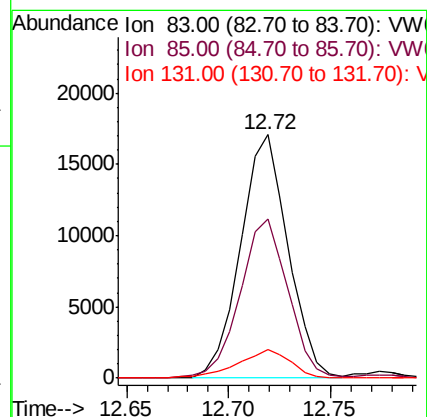
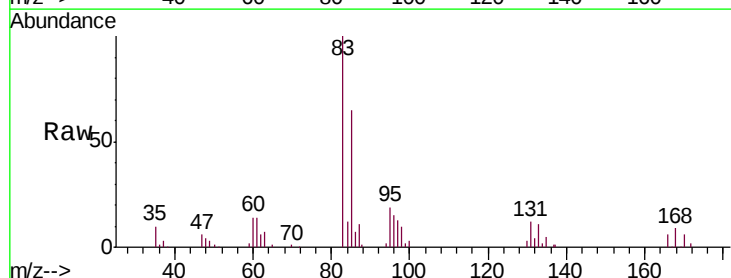
Tgt Ion: 83 Resp: 27648

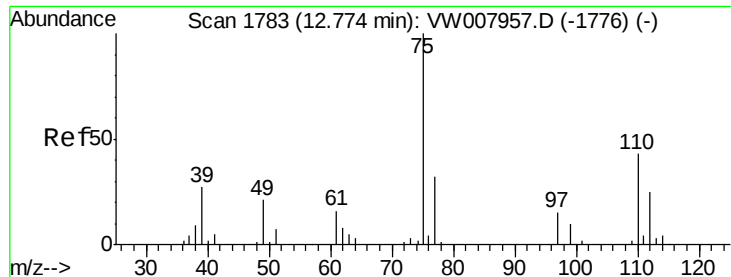
Ion Ratio Lower Upper

83 100

85 65.2 46.6 86.6

131 11.8 9.7 14.5

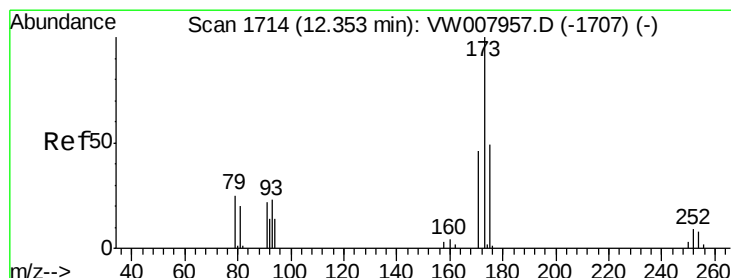
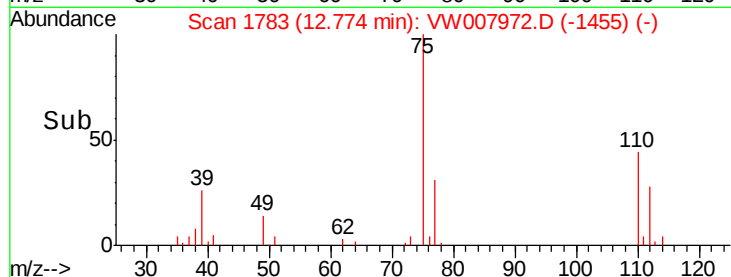
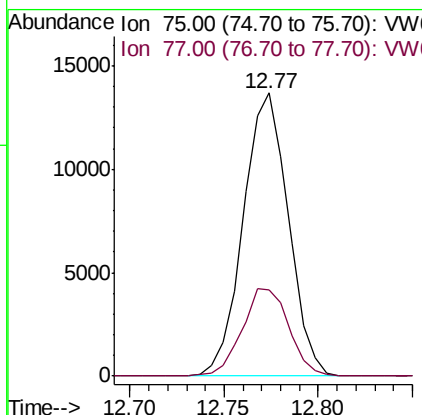
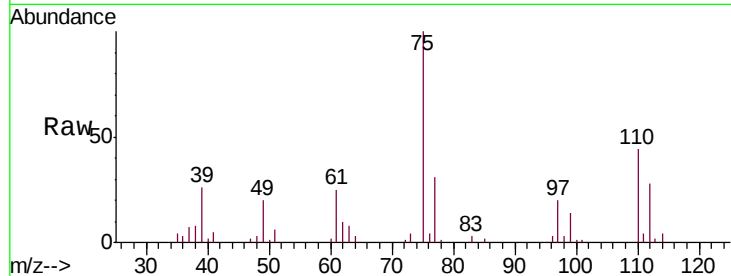




#59
 1,2,3-Trichloropropane
 Concen: 21.734 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

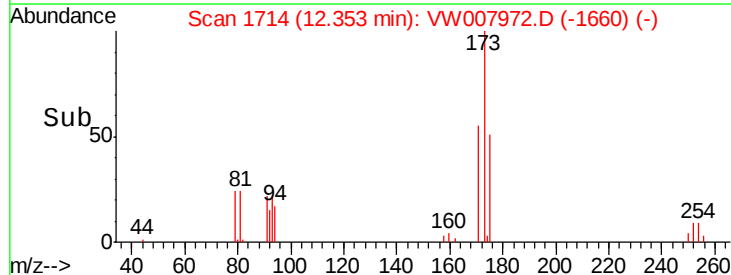
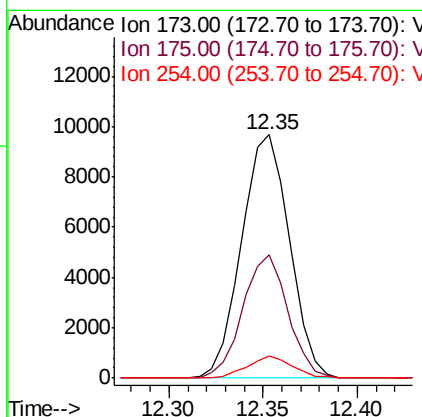
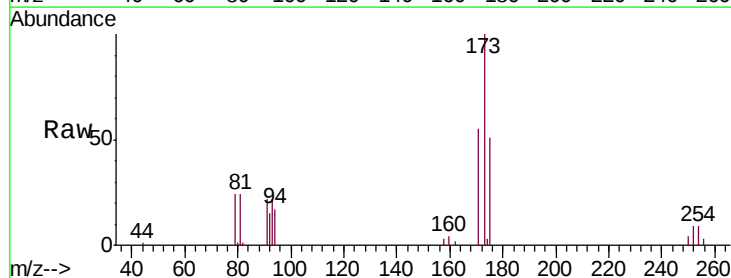
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

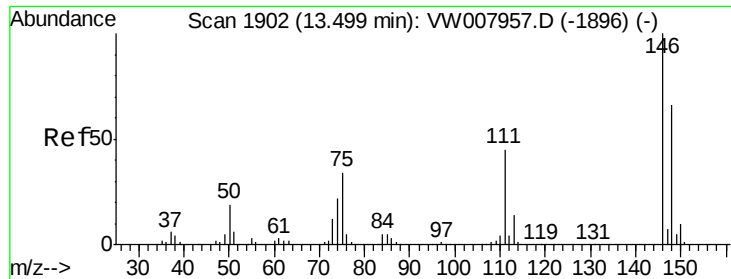
Tgt Ion: 75 Resp: 22666
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.5 38.3



#62
 Bromoform
 Concen: 21.773 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

Tgt Ion: 173 Resp: 17071
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.0 58.4
 254 8.5 5.8 8.8

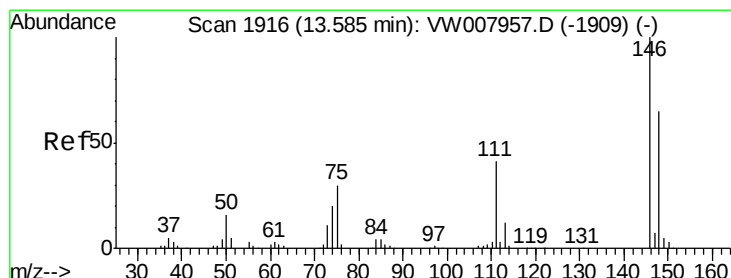
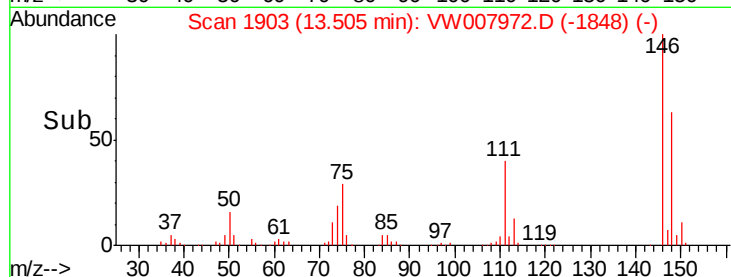
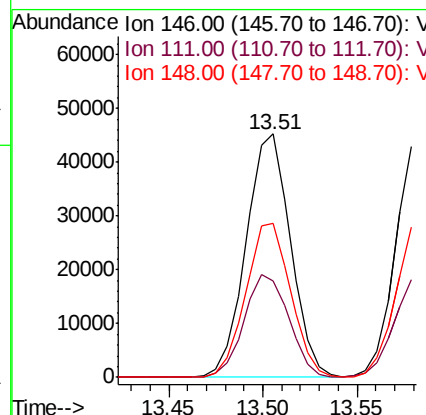
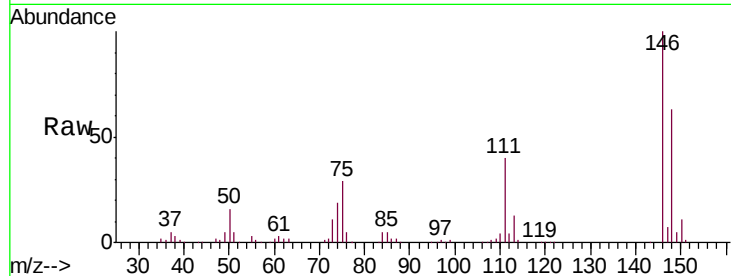




#63
 1,3-Dichlorobenzene
 Concen: 23.279 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

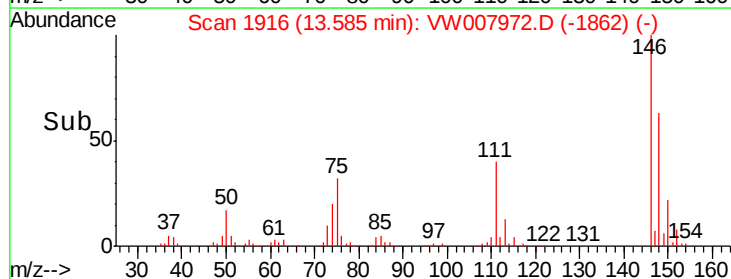
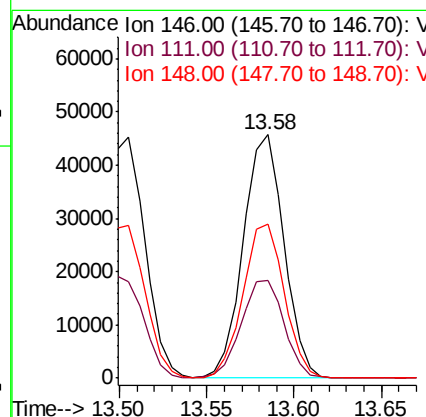
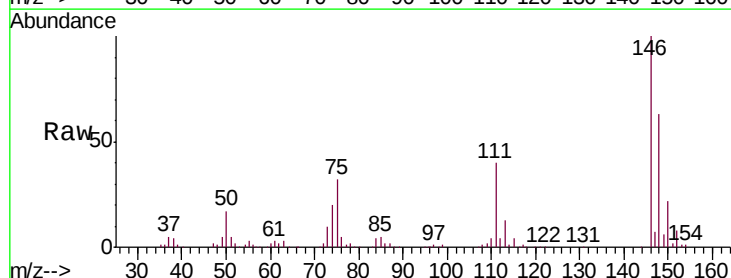
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

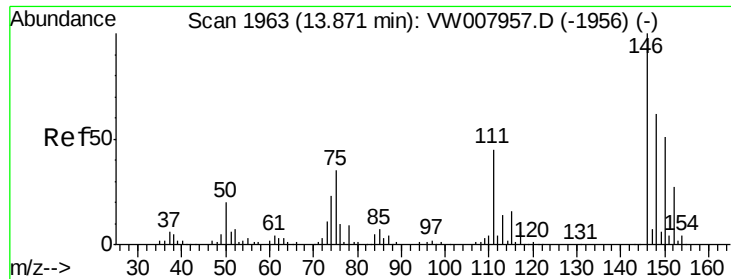
Tgt Ion:146 Resp: 74019
 Ion Ratio Lower Upper
 146 100
 111 39.8 31.0 57.6
 148 63.4 43.6 81.0



#64
 1,4-Dichlorobenzene
 Concen: 23.488 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

Tgt Ion:146 Resp: 74266
 Ion Ratio Lower Upper
 146 100
 111 40.1 26.9 49.9
 148 63.2 41.6 77.3

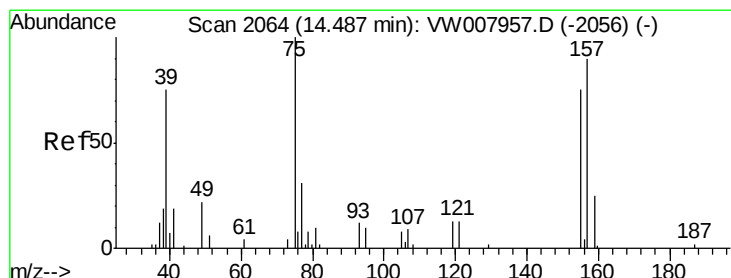
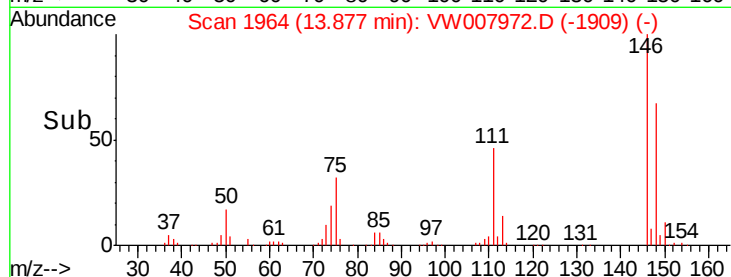
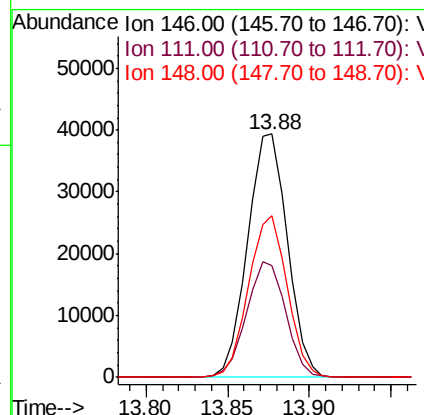
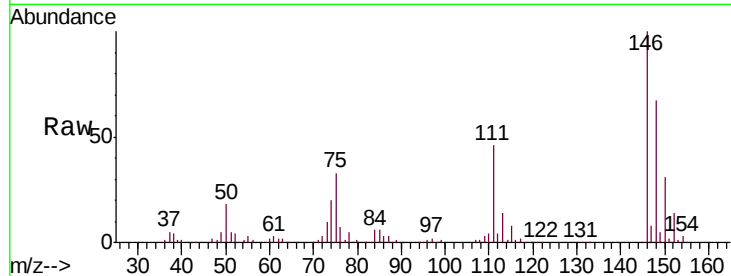




#65
 1,2-Dichlorobenzene
 Concen: 23.173 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

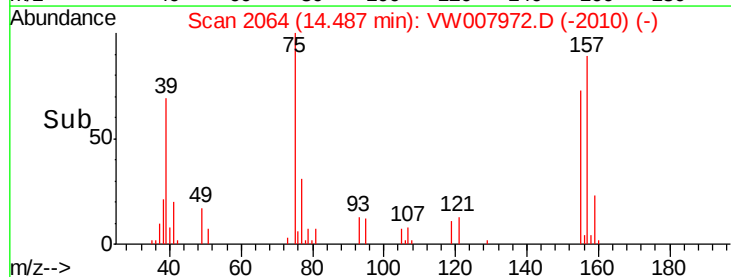
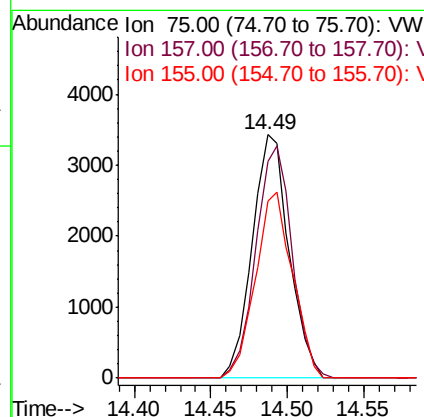
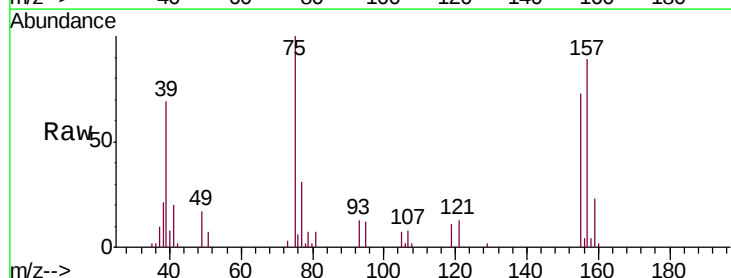
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

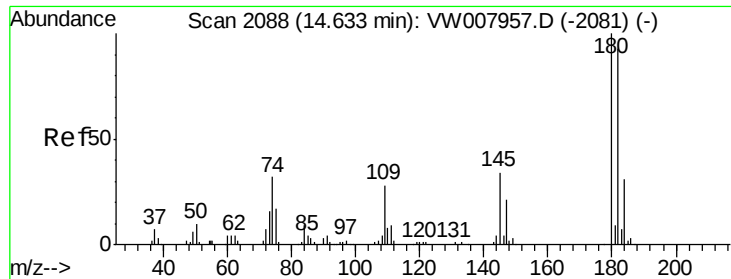
Tgt Ion: 146 Resp: 66886
 Ion Ratio Lower Upper
 146 100
 111 45.8 36.4 54.6
 148 66.7 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.114 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

Tgt Ion: 75 Resp: 5724
 Ion Ratio Lower Upper
 75 100
 157 89.0 85.6 128.4
 155 72.9 63.4 95.0

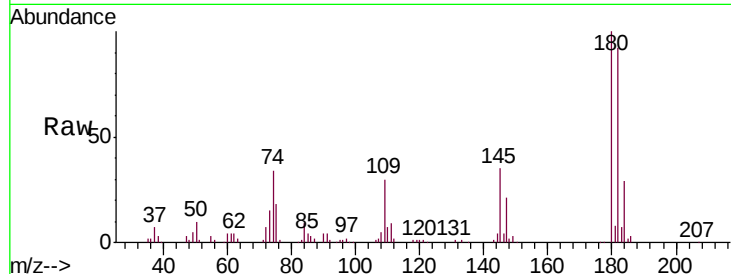




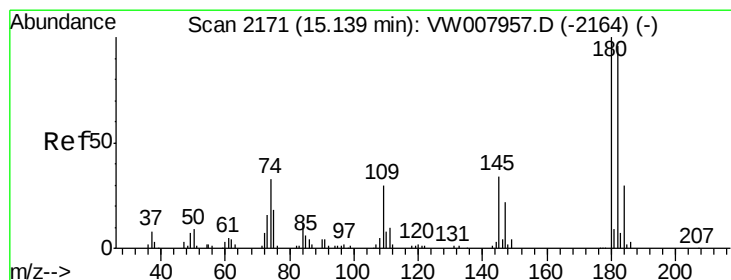
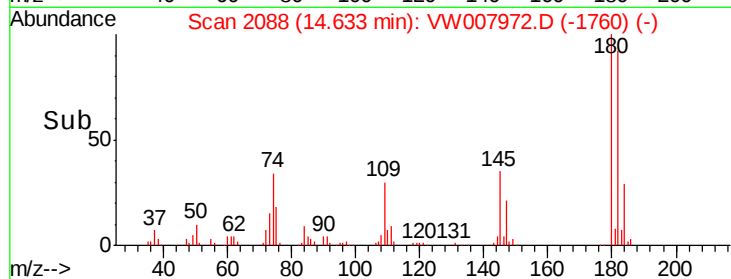
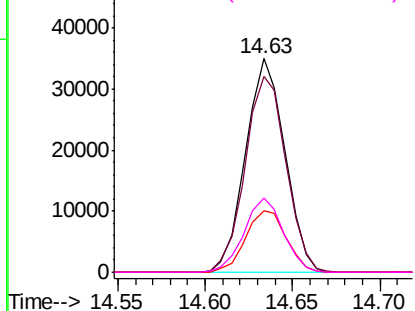
#67
 1,3,5-Trichlorobenzene
 Concen: 23.464 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

Tgt Ion:180 Resp: 54644
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.0 112.4
 184 29.8 23.5 35.3
 145 34.7 26.6 39.8

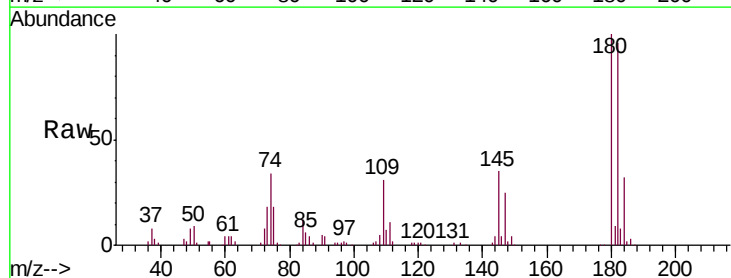


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

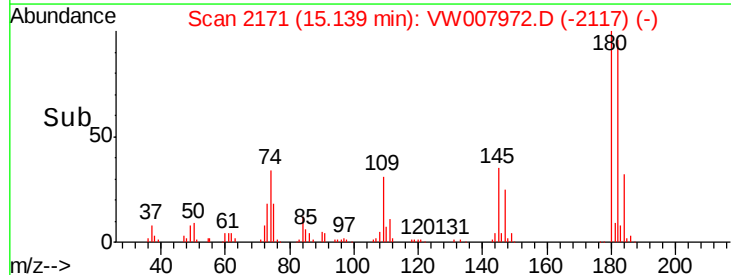
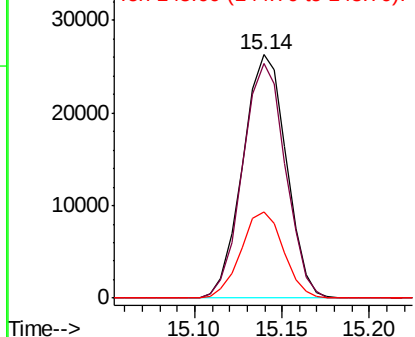


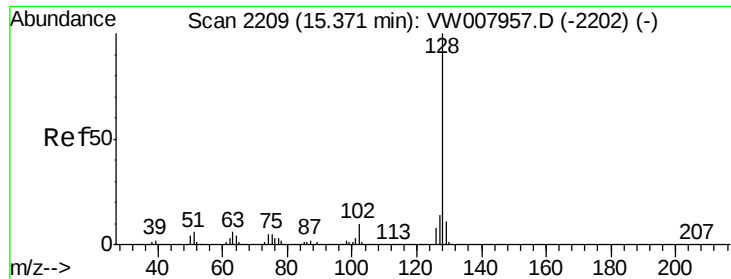
#68
 1,2,4-trichlorobenzene
 Concen: 22.781 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007972.D
 Acq: 27 Dec 2018 16:16

Tgt Ion:180 Resp: 45540
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.0 115.6
 145 34.7 27.9 41.9



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





#69

Naphthalene

Concen: 21.267 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02592

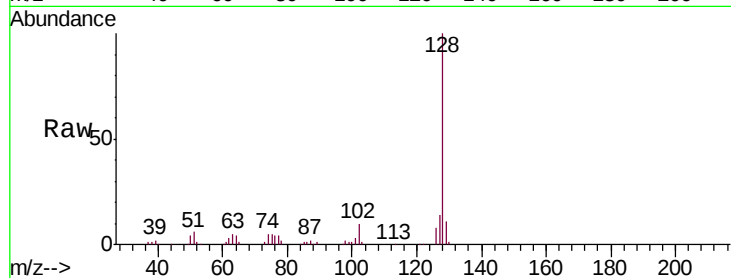
Tgt Ion:128 Resp: 96235

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

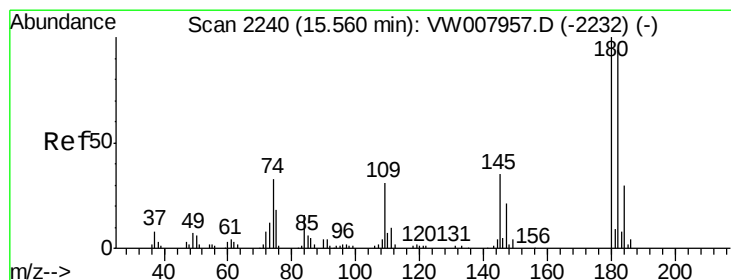
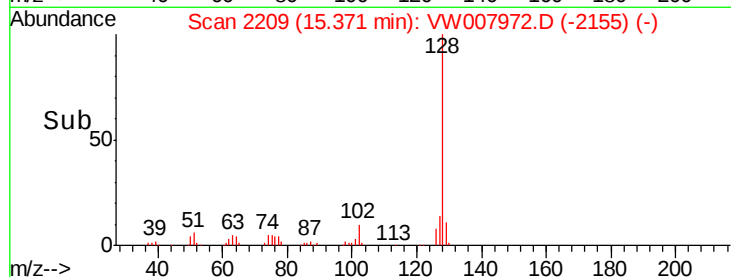
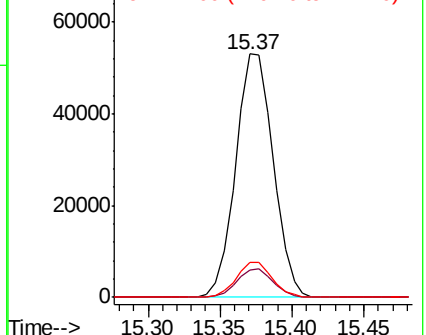
127 13.8 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.178 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW007972.D

Acq: 27 Dec 2018 16:16

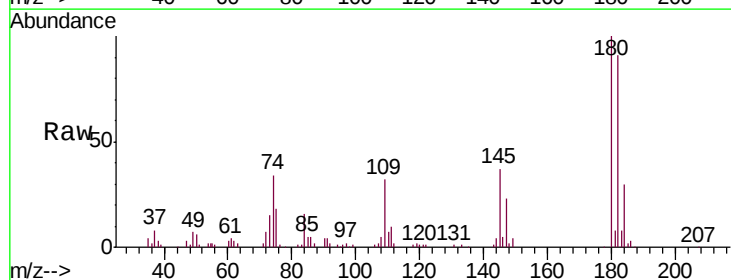
Tgt Ion:180 Resp: 41018

Ion Ratio Lower Upper

180 100

182 93.0 75.8 113.6

145 36.6 29.4 44.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

