

Data File : VW007992.D
Acq On : 28 Dec 2018 01:13
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

Quant Time: Dec 28 06:02:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 28 05:56:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	86651	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	77886	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	37281	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	19002	22.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.00%
7) Chloroethane-d5	2.90	69	13422	23.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.32%
10) 1,1-Dichloroethene-d2	4.01	63	51759	22.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.56%
20) 2-Butanone-d5	7.07	46	21233	58.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.60%
24) Chloroform-d	7.65	84	54311	23.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.24%
26) 1,2-Dichloroethane-d4	8.31	65	33242	24.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.20%
29) Benzene-d6	8.27	84	100695	23.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.20%
33) 1,2-Dichloropropane-d6	9.27	67	27563	23.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.80%
37) Toluene-d8	10.32	98	98175	23.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.28%
38) trans-1,3-Dichloropropene-	10.58	79	15775	23.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.52%
39) 2-Hexanone-d5	10.93	63	17504	57.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	29436	25.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.96%
61) 1,2-Dichlorobenzene-d4	13.86	152	35640	23.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.68%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	20757	21.735	ug/L	99
3) Chloromethane	2.21	50	15439	20.514	ug/L	95
5) Vinyl chloride	2.37	62	20488	21.884	ug/L	99
6) Bromomethane	2.78	94	11840	21.317	ug/L	100
8) Chloroethane	2.93	64	10231	21.995	ug/L	92
9) Trichlorofluoromethane	3.26	101	17713	21.910	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	23752	21.714	ug/L	91
12) 1,1-Dichloroethene	4.03	96	23185	23.147	ug/L	86
13) Acetone	4.12	43	15850	44.546	ug/L	100
14) Carbon disulfide	4.37	76	71581	22.562	ug/L	98
15) Methyl Acetate	4.67	43	13675	25.256	ug/L	99
16) Methylene chloride	4.91	84	28042	20.000	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	39864	22.391	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	24584	22.626	ug/L	95
19) 1,1-Dichloroethane	6.21	63	40181	22.229	ug/L	93
21) 2-Butanone	7.17	43	20094	49.631	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	25963	22.300	ug/L	92

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Response via : Initial Calibration

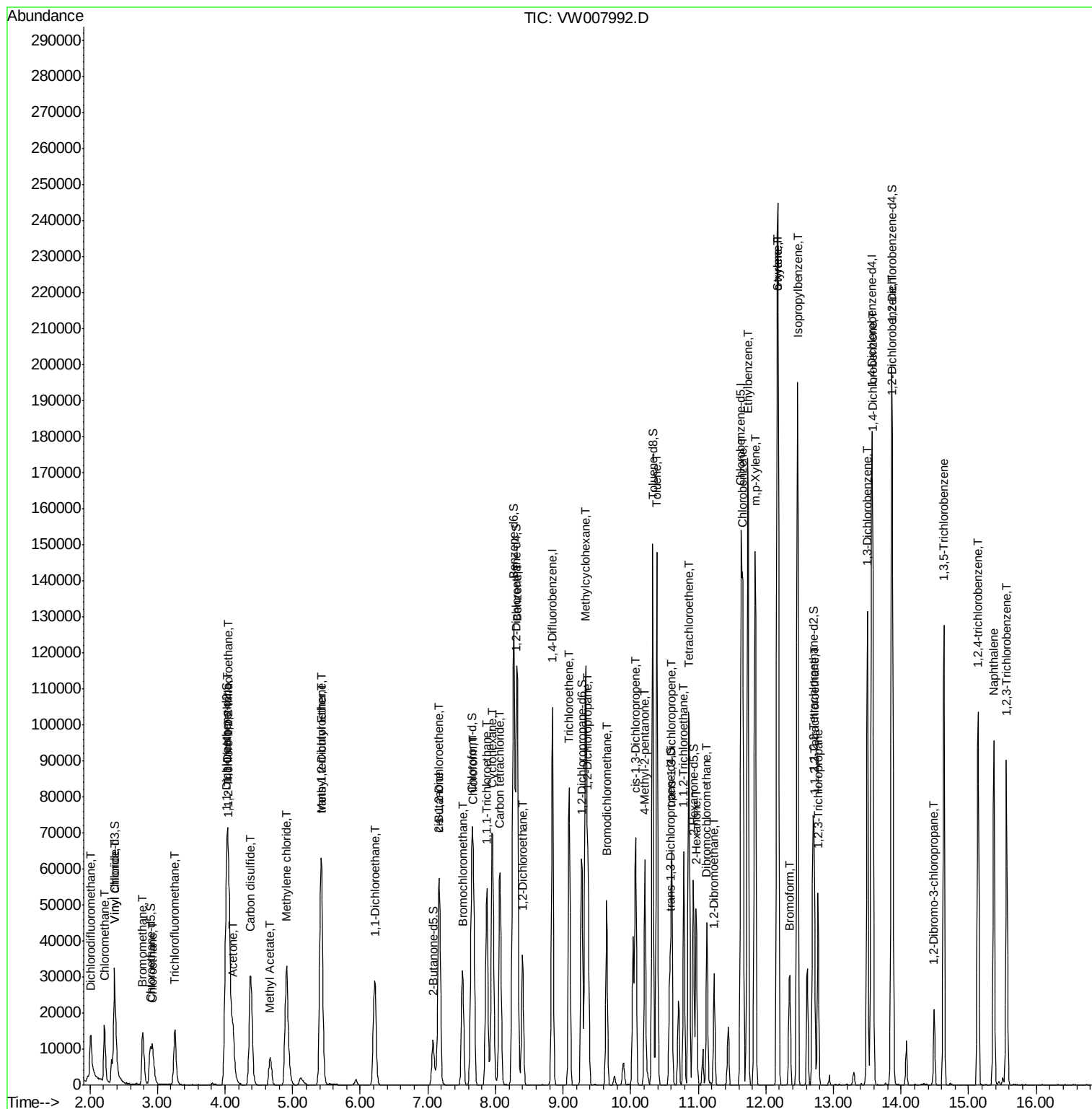
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	12121	23.123	ug/L	93
25) Chloroform	7.68	83	45367	22.285	ug/L	99
27) 1,2-Dichloroethane	8.40	62	35277	23.626	ug/L	98
30) Cyclohexane	7.95	56	39492	23.048	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	44898	24.044	ug/L	98
32) Carbon tetrachloride	8.07	117	43726	24.390	ug/L	99
34) Benzene	8.32	78	94461	22.665	ug/L	100
35) Trichloroethene	9.09	95	27514	22.722	ug/L	98
36) Methylcyclohexane	9.34	83	49444	23.812	ug/L	98
40) 1,2-Dichloropropane	9.37	63	21473	21.918	ug/L	99
41) Bromodichloromethane	9.65	83	33762	23.432	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	37278	21.798	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	37725	48.652	ug/L	99
44) Toluene	10.39	91	106096	22.753	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	34693	22.016	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	19601	23.649	ug/L	97
47) Tetrachloroethene	10.86	164	22549	23.438	ug/L	97
49) 2-Hexanone	10.97	43	28569	51.068	ug/L	96
50) Dibromochloromethane	11.13	129	24799	23.485	ug/L	96
51) 1,2-Dibromoethane	11.24	107	20095	23.754	ug/L	91
52) Chlorobenzene	11.66	112	67964	22.390	ug/L	99
53) Ethylbenzene	11.73	91	121099	22.604	ug/L	98
54) m,p-Xylene	11.84	106	46576	23.075	ug/L	95
55) o-xylene	12.17	106	43514	22.731	ug/L	96
56) Styrene	12.18	104	75019	23.121	ug/L	99
57) Isopropylbenzene	12.47	105	123781	22.827	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	24359	23.703	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	20593	24.912	ug/L	98
62) Bromoform	12.35	173	14605	24.850	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	53045	22.256	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	53284	22.481	ug/L	94
65) 1,2-Dichlorobenzene	13.88	146	48636	22.479	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	5845	27.401	ug/L	84
67) 1,3,5-Trichlorobenzene	14.63	180	37687	21.589	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	31342	20.916	ug/L	99
69) Naphthalene	15.38	128	82204	24.235	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	29419	22.177	ug/L	99

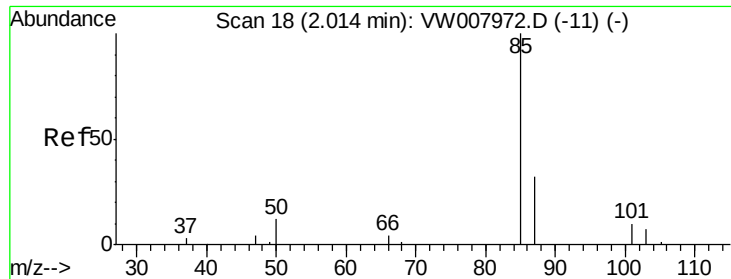
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.735 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

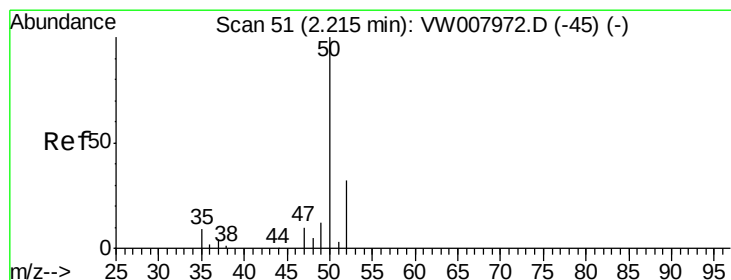
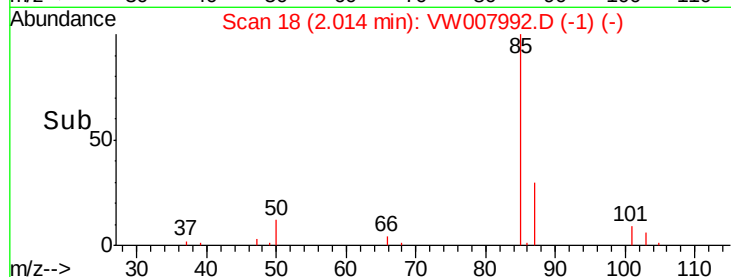
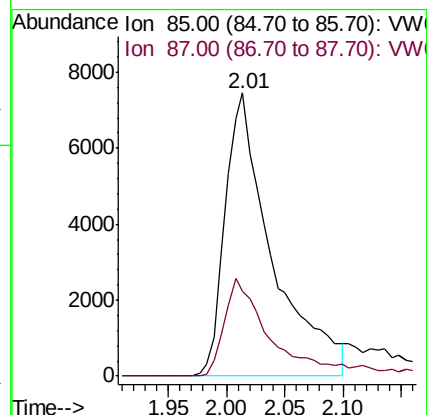
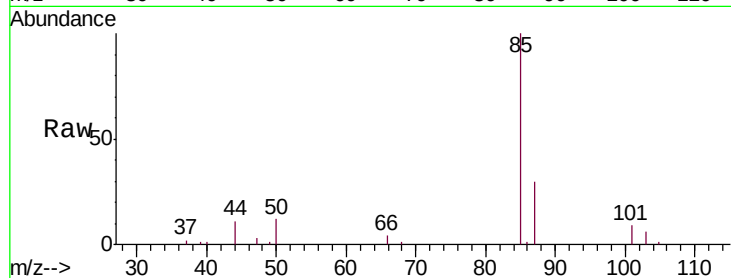
VSTD02593

Tgt Ion: 85 Resp: 20757

Ion Ratio Lower Upper

85 100

87 29.2 20.6 38.4



#3

Chloromethane

Concen: 20.514 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW007992.D

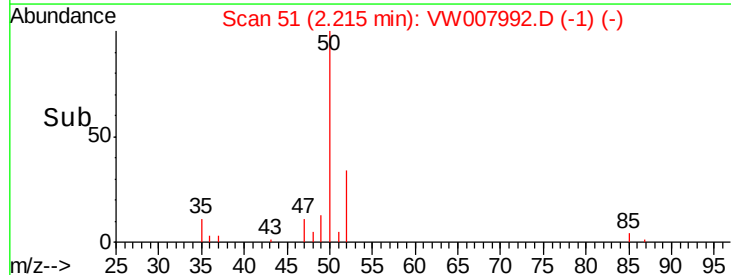
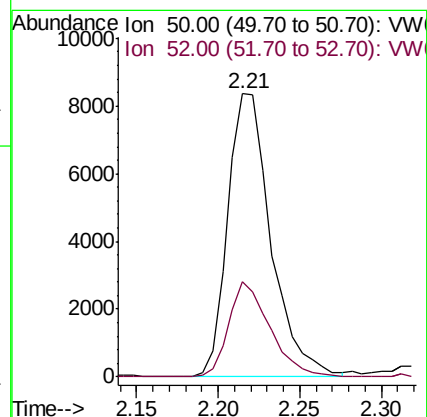
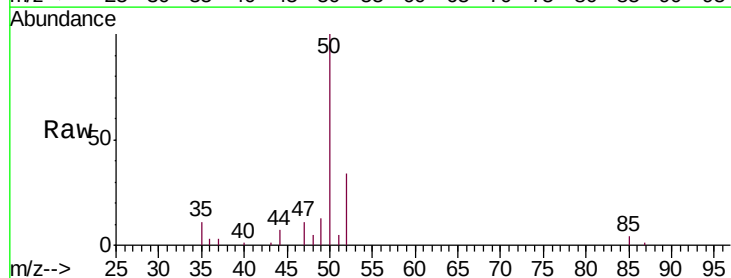
Acq: 28 Dec 2018 01:13

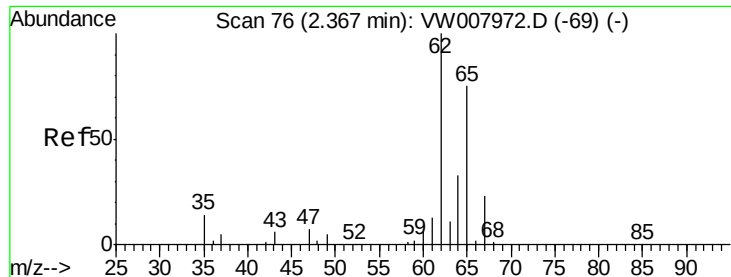
Tgt Ion: 50 Resp: 15439

Ion Ratio Lower Upper

50 100

52 33.5 21.4 39.8





#5

Vinyl chloride

Concen: 21.884 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

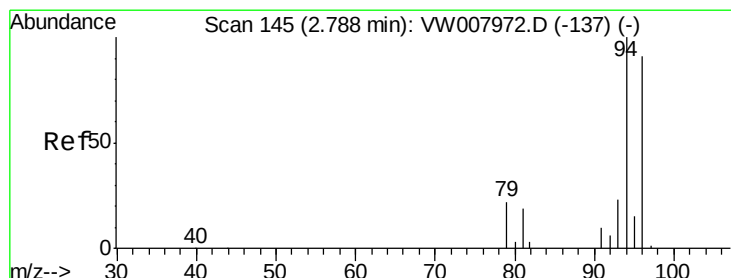
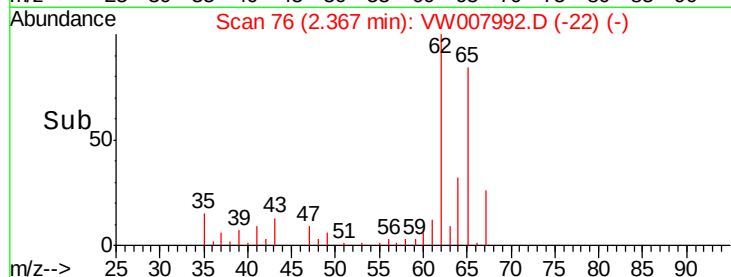
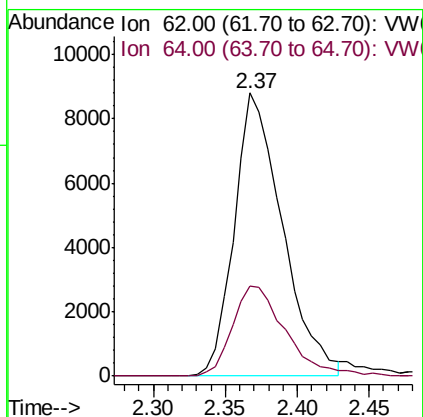
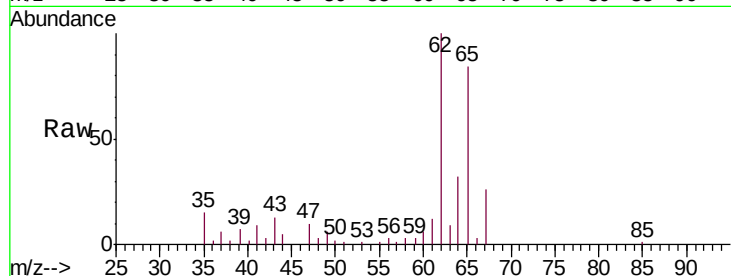
VSTD02593

Tgt Ion: 62 Resp: 20488

Ion Ratio Lower Upper

62 100

64 31.8 22.0 41.0



#6

Bromomethane

Concen: 21.317 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW007992.D

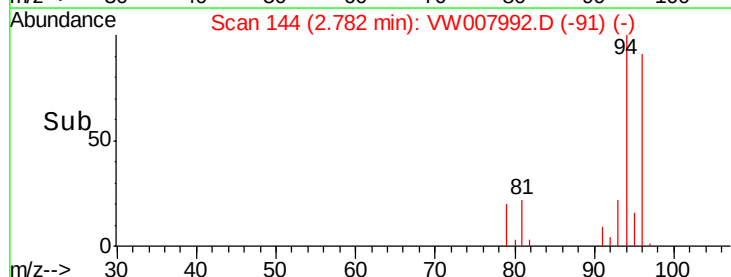
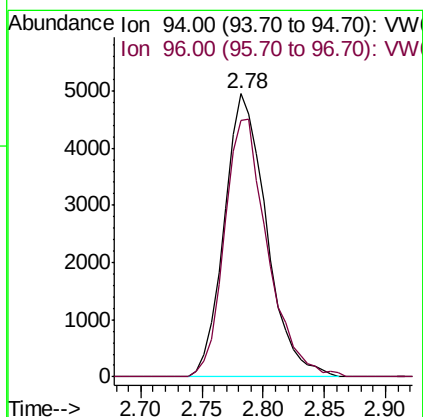
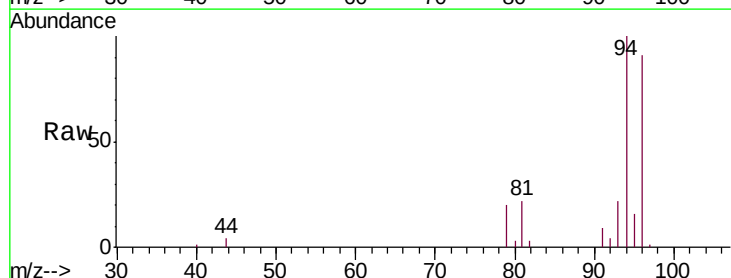
Acq: 28 Dec 2018 01:13

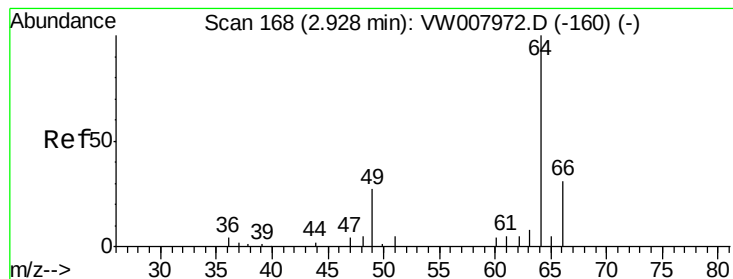
Tgt Ion: 94 Resp: 11840

Ion Ratio Lower Upper

94 100

96 92.5 9.2 175.4





#8

Chloroethane

Concen: 21.995 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

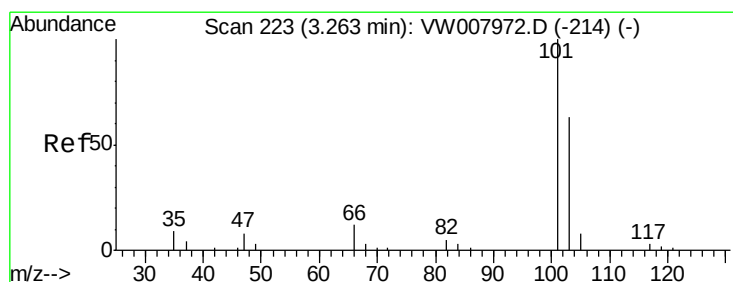
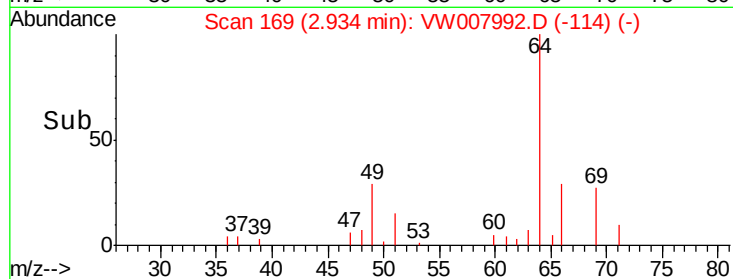
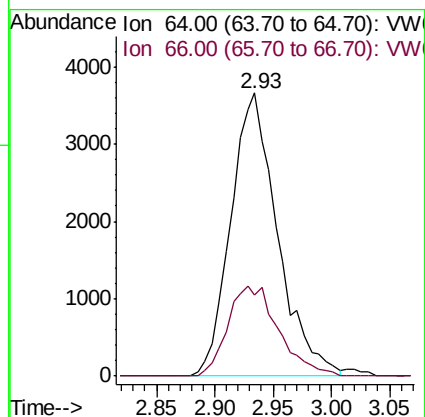
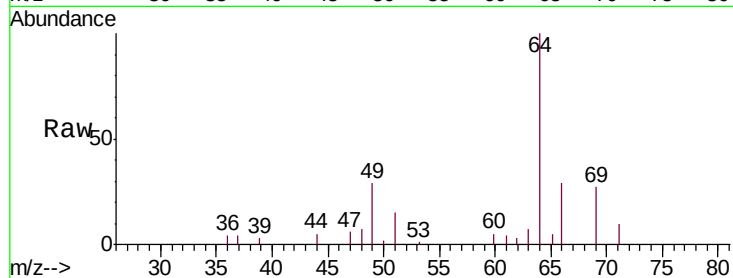
VSTD02593

Tgt Ion: 64 Resp: 10231

Ion Ratio Lower Upper

64 100

66 28.5 23.3 43.3



#9

Trichlorofluoromethane

Concen: 21.910 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW007992.D

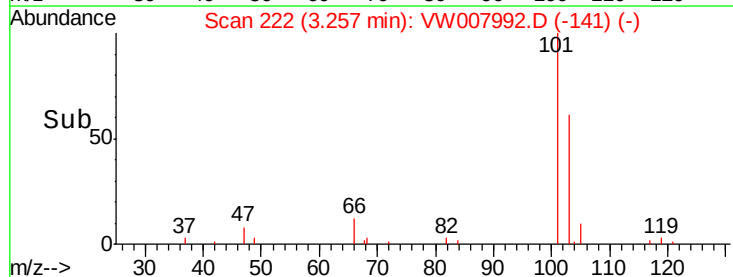
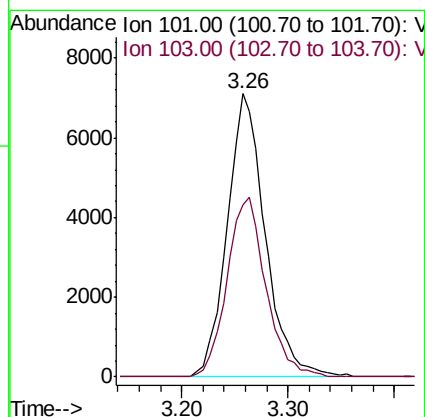
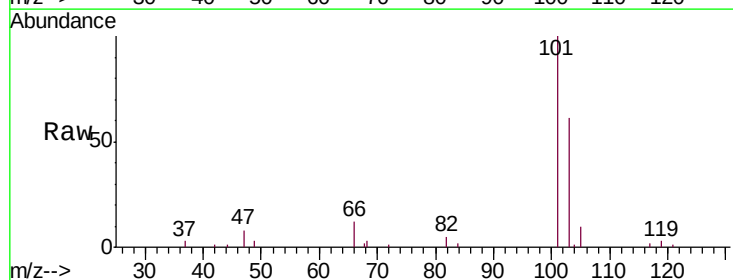
Acq: 28 Dec 2018 01:13

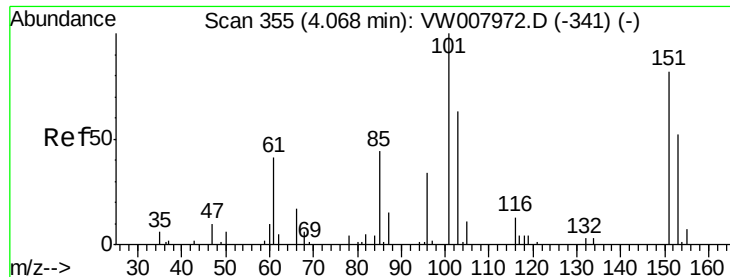
Tgt Ion: 101 Resp: 17713

Ion Ratio Lower Upper

101 100

103 64.7 44.7 83.1





#11

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

Concen: 21.714 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

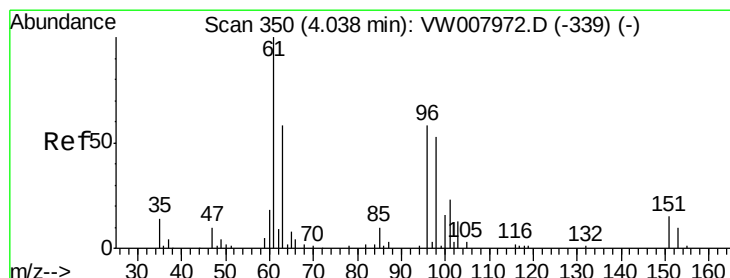
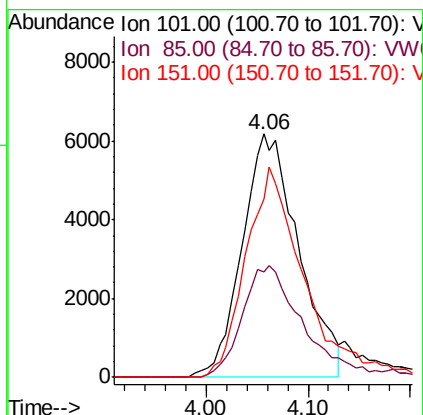
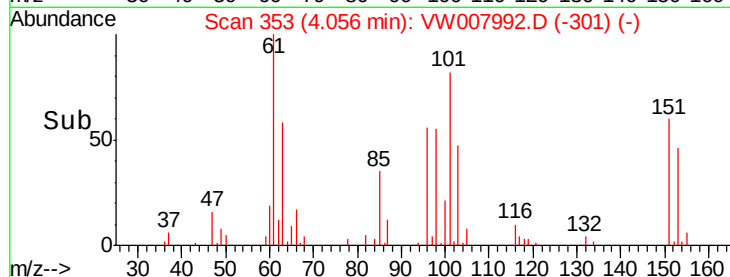
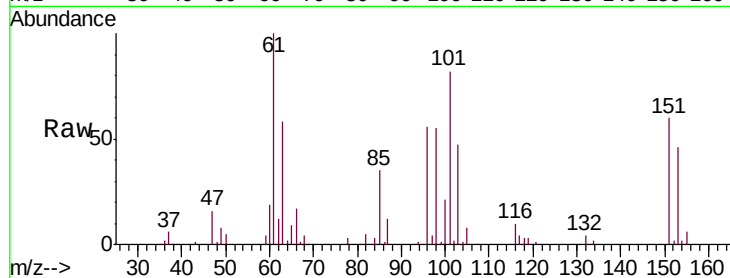
Tgt Ion: 101 Resp: 23752

Ion Ratio Lower Upper

101 100

85 48.3 33.4 50.2

151 85.7 63.2 94.8



#12

1,1-Dichloroethene

Concen: 23.147 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

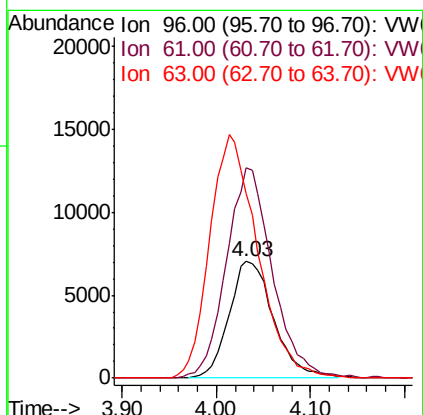
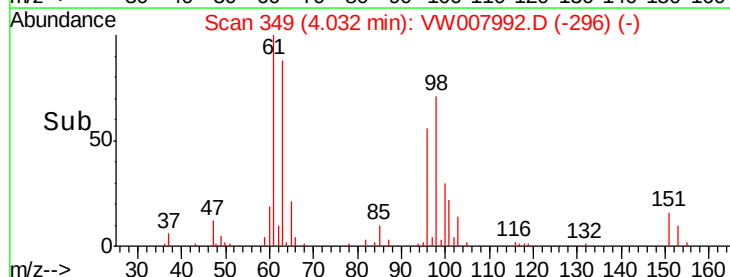
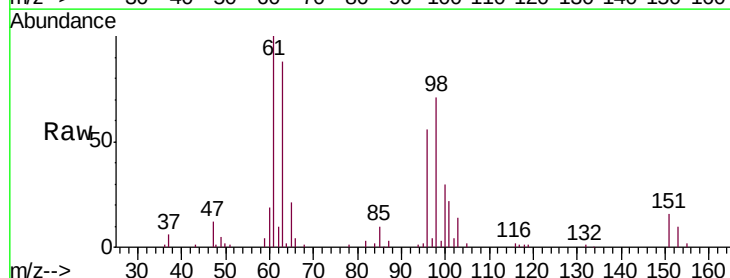
Tgt Ion: 96 Resp: 23185

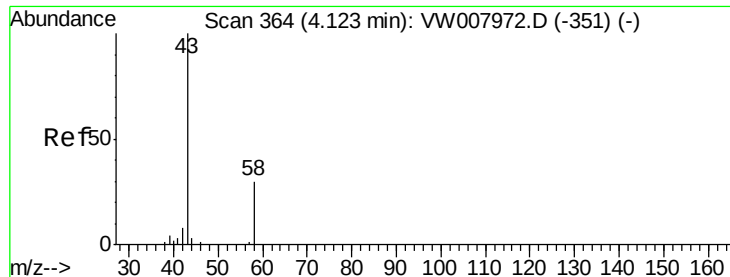
Ion Ratio Lower Upper

96 100

61 179.7 120.3 223.3

63 158.7 91.6 170.0





#13

Acetone

Concen: 44.546 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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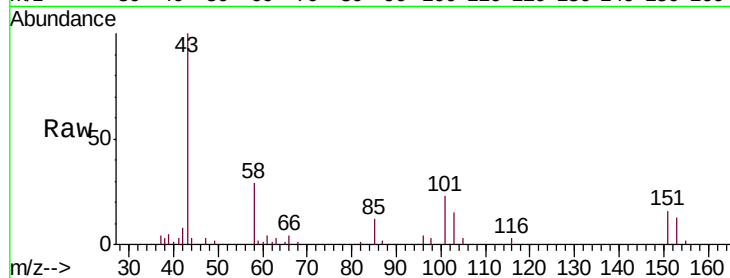
VSTD02593

Tgt Ion: 43 Resp: 15850

Ion Ratio Lower Upper

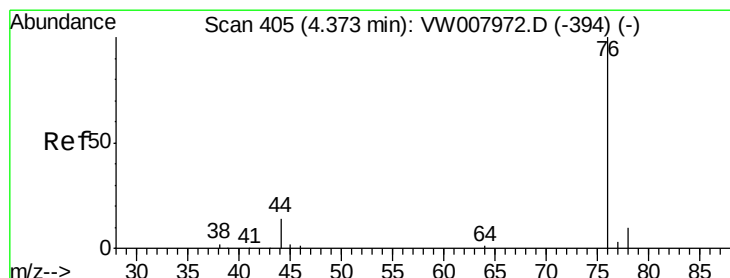
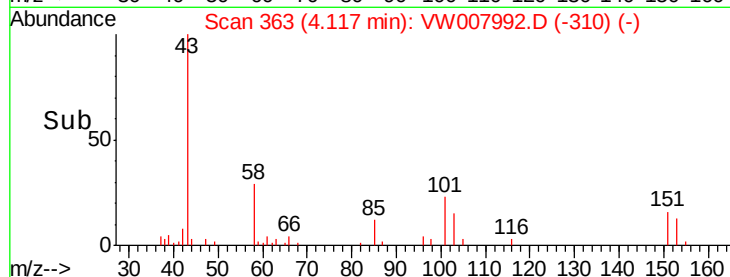
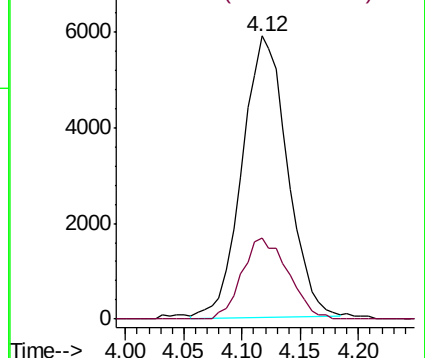
43 100

58 29.5 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.562 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW007992.D

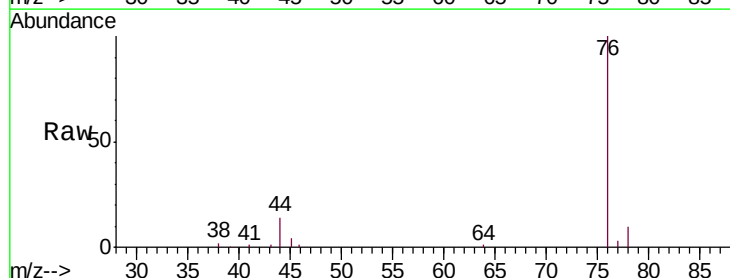
Acq: 28 Dec 2018 01:13

Tgt Ion: 76 Resp: 71581

Ion Ratio Lower Upper

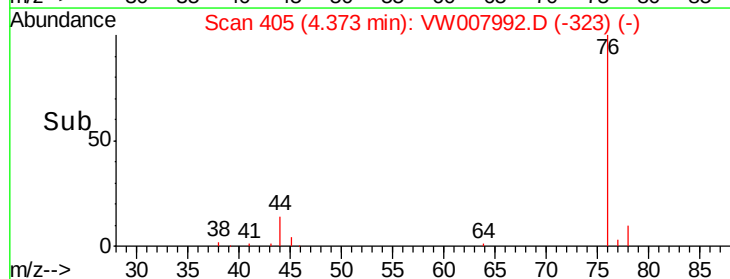
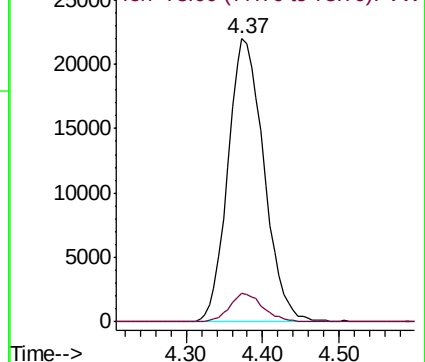
76 100

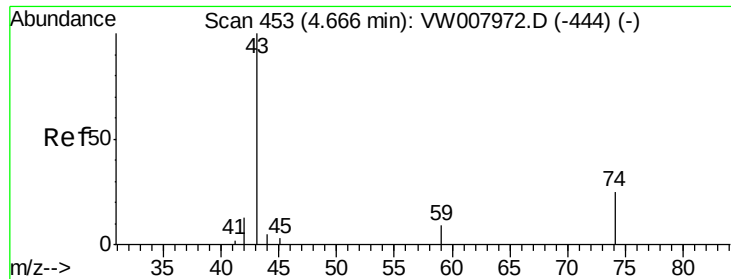
78 10.0 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

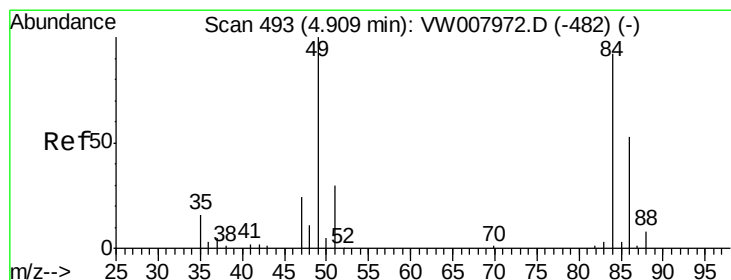
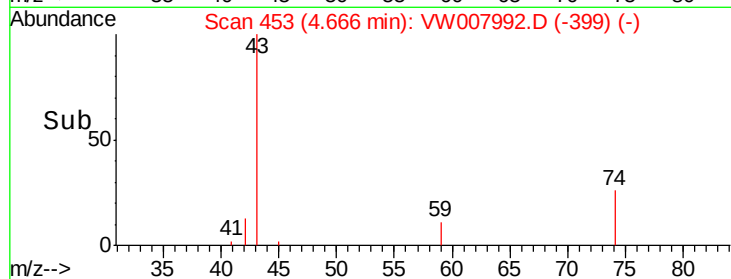
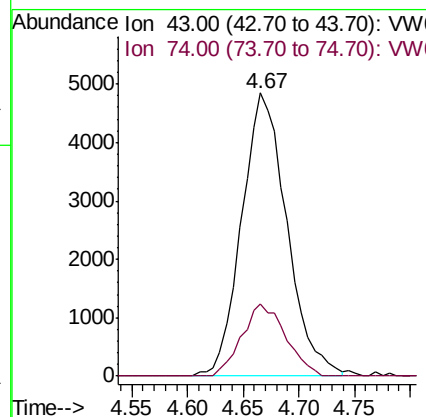
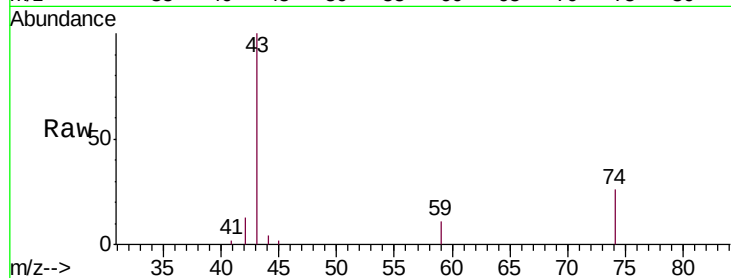




#15
Methyl Acetate
Concen: 25.256 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW007992.D
Acq: 28 Dec 2018 01:13

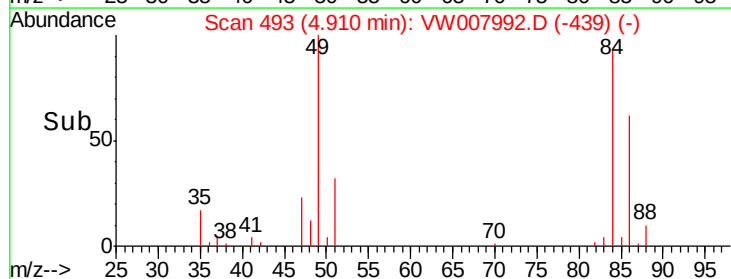
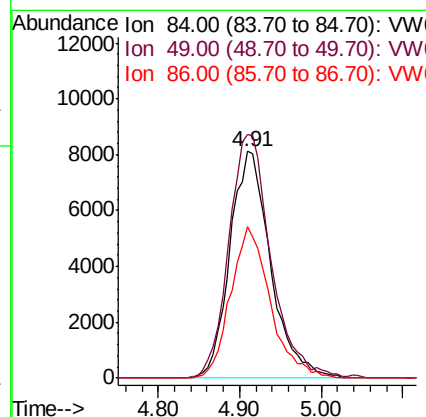
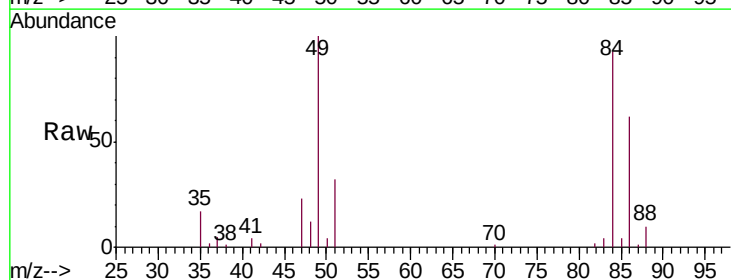
Instrument :
MSVOA_W
ClientSampled :
VSTD02593

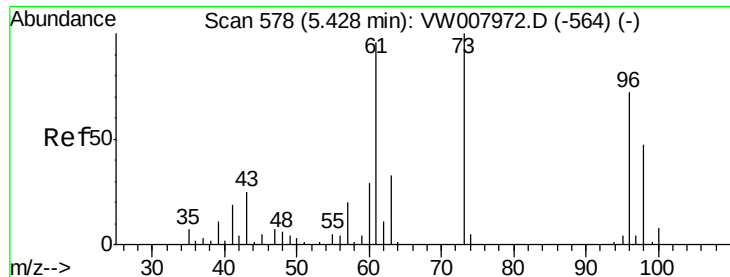
Tgt Ion: 43 Resp: 13675
Ion Ratio Lower Upper
43 100
74 24.7 20.2 30.2



#16
Methylene chloride
Concen: 20.000 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007992.D
Acq: 28 Dec 2018 01:13

Tgt Ion: 84 Resp: 28042
Ion Ratio Lower Upper
84 100
49 107.4 79.2 147.0
86 67.0 43.2 80.2

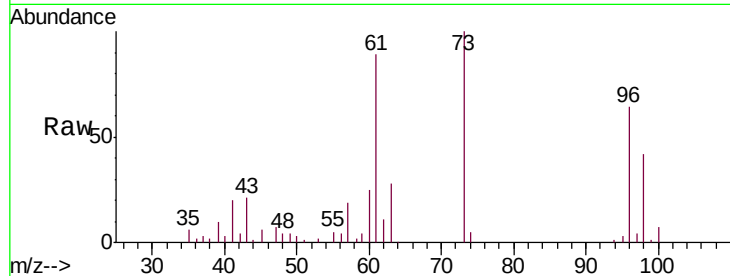




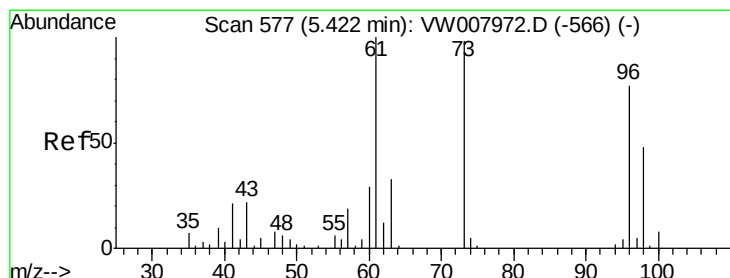
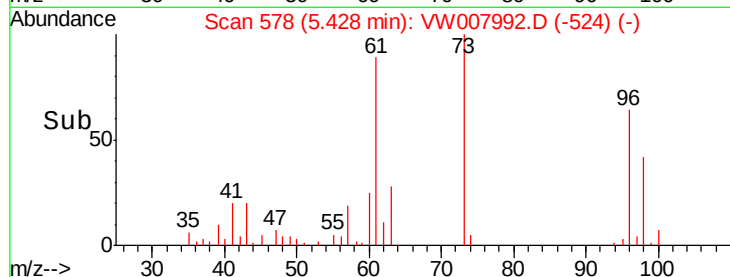
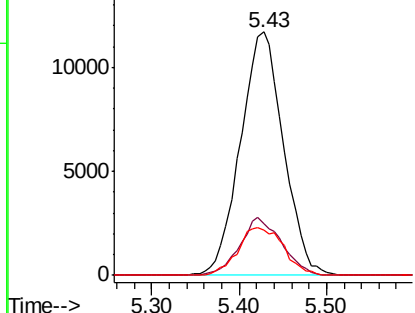
#17
Methyl tert-butyl Ether
Concen: 22.391 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW007992.D
Acq: 28 Dec 2018 01:13

Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

Tgt Ion: 73 Resp: 39864
Ion Ratio Lower Upper
73 100
43 22.9 18.5 27.7
57 20.8 16.4 24.6

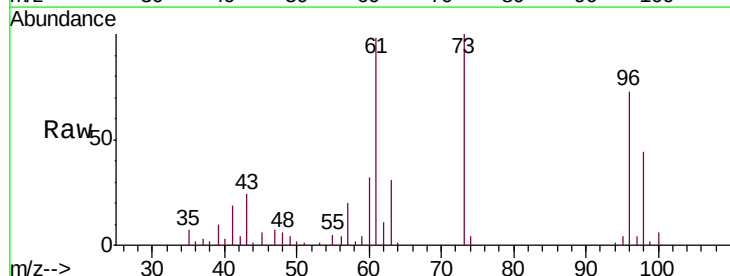


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

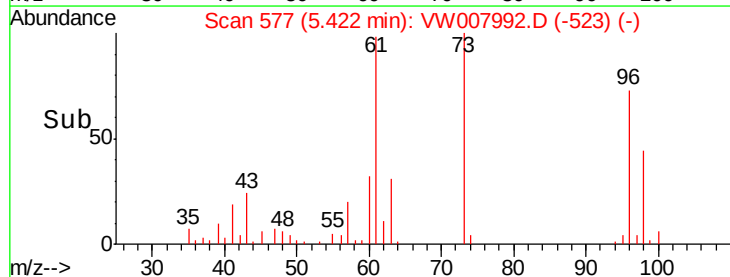
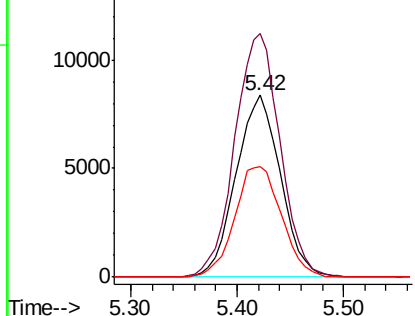


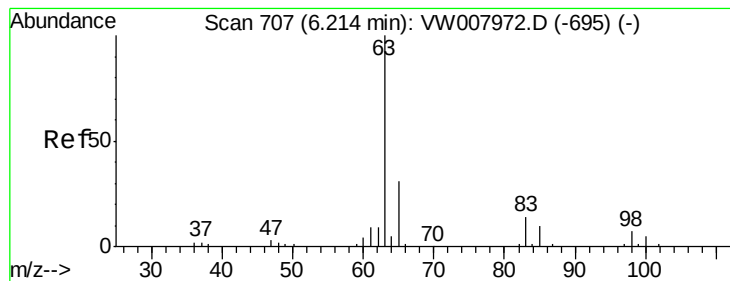
#18
trans-1,2-Dichloroethene
Concen: 22.626 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW007992.D
Acq: 28 Dec 2018 01:13

Tgt Ion: 96 Resp: 24584
Ion Ratio Lower Upper
96 100
61 134.0 91.4 169.8
98 60.7 48.0 89.2



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





#19

1,1-Dichloroethane

Concen: 22.229 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

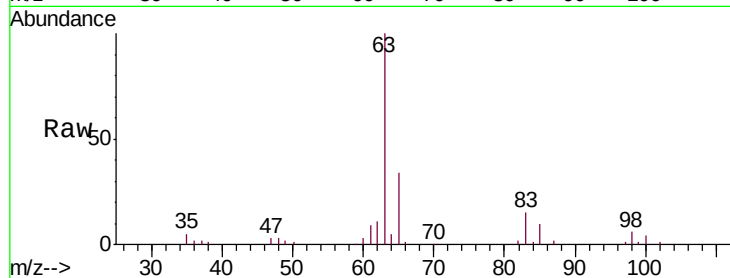
Tgt Ion: 63 Resp: 40181

Ion Ratio Lower Upper

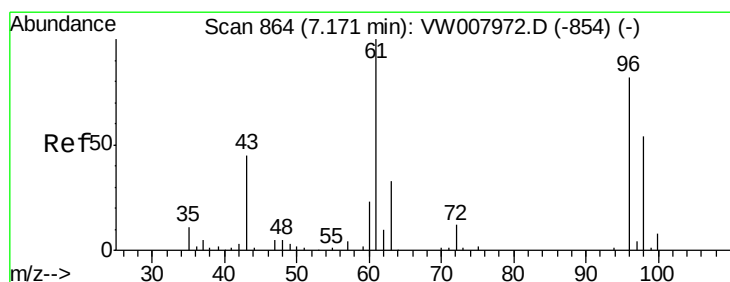
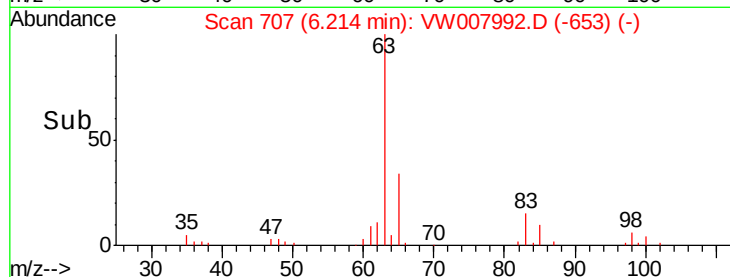
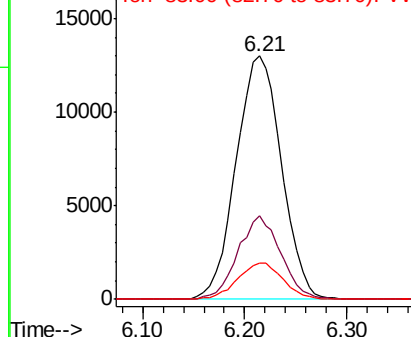
63 100

65 34.4 20.6 38.4

83 14.7 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: 49.631 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007992.D

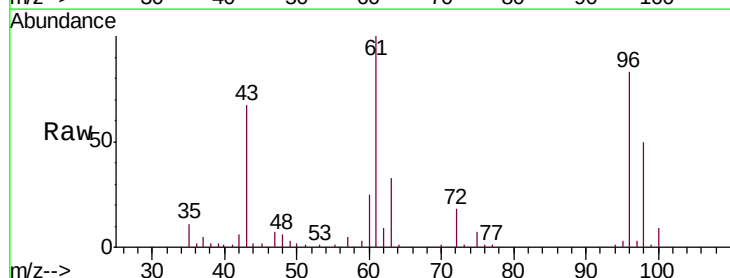
Acq: 28 Dec 2018 01:13

Tgt Ion: 43 Resp: 20094

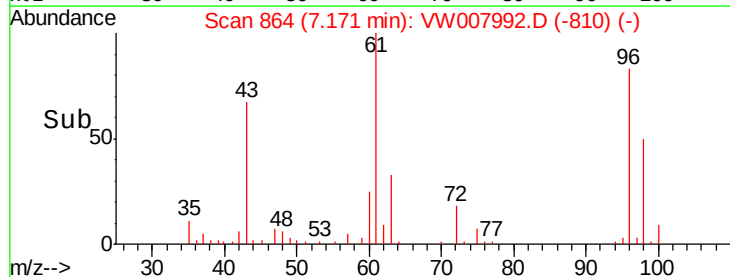
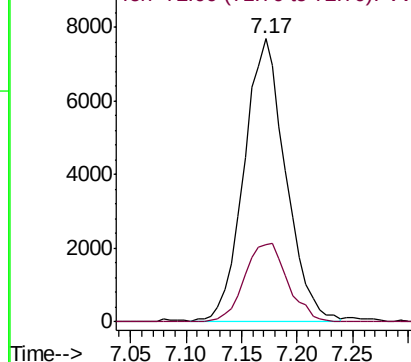
Ion Ratio Lower Upper

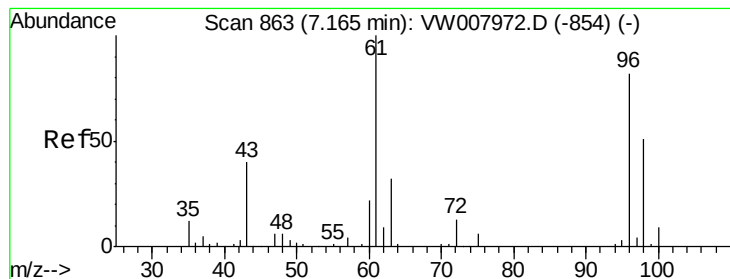
43 100

72 28.7 14.4 43.4



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



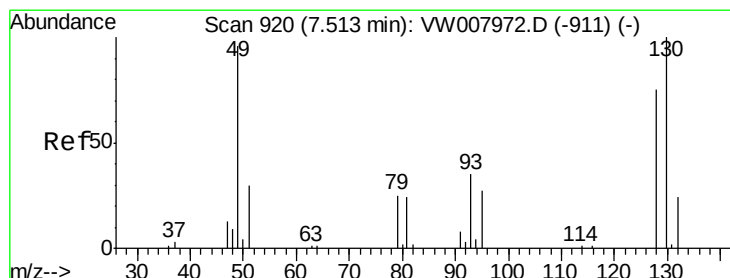
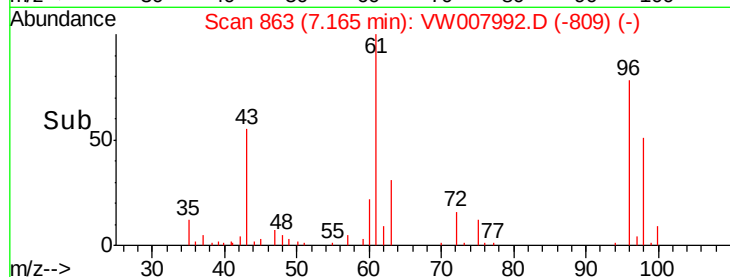
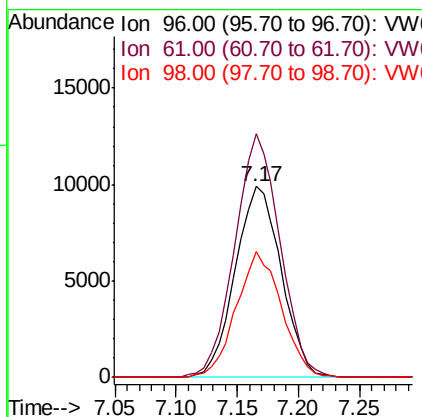
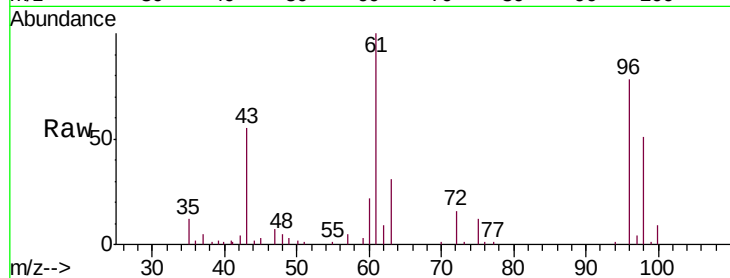


#22

cis-1,2-Dichloroethene
 Concen: 22.300 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

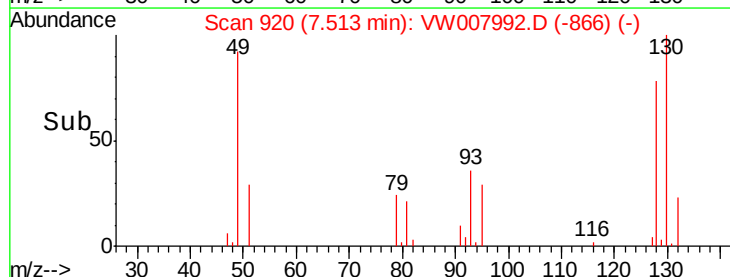
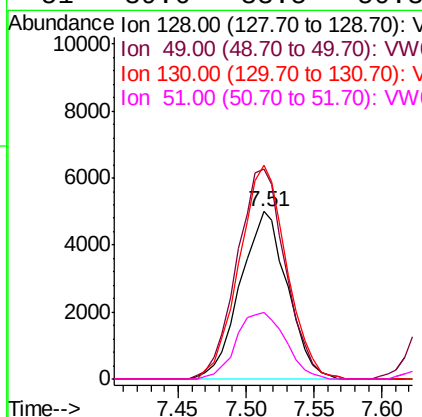
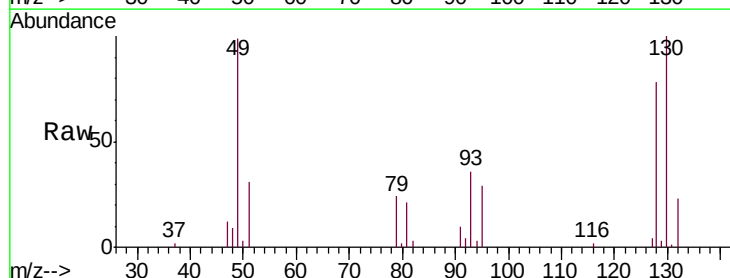
Tgt Ion: 96 Resp: 25963
 Ion Ratio Lower Upper
 96 100
 61 127.8 83.4 155.0
 98 65.7 42.3 78.5

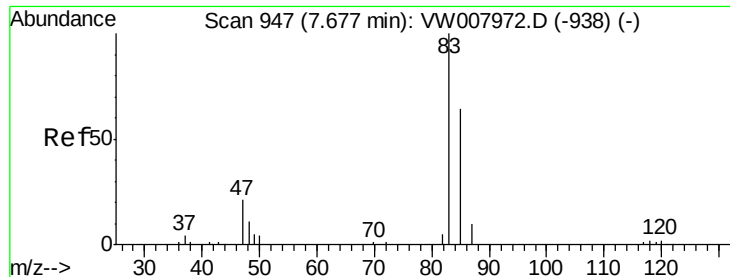


#23

Bromochloromethane
 Concen: 23.123 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

Tgt Ion: 128 Resp: 12121
 Ion Ratio Lower Upper
 128 100
 49 125.6 96.9 180.1
 130 127.4 86.2 160.0
 51 39.6 33.5 50.3

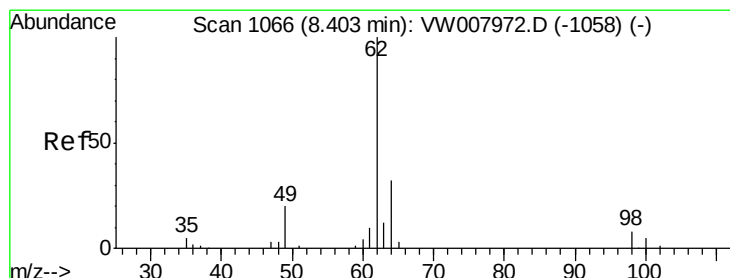
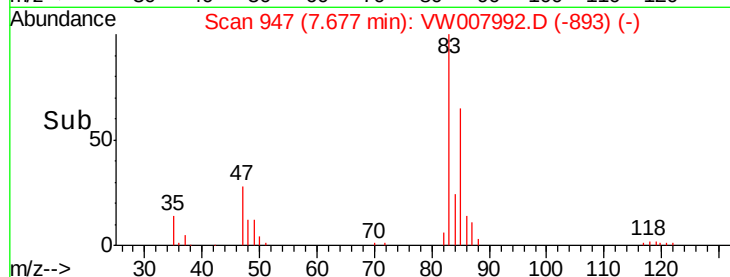
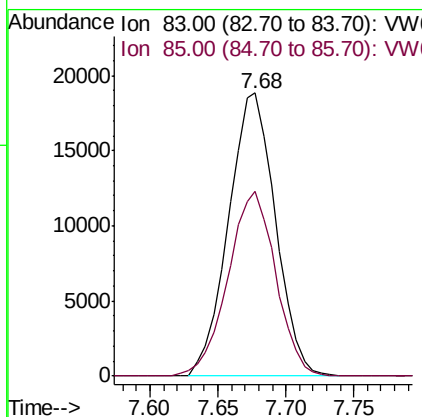
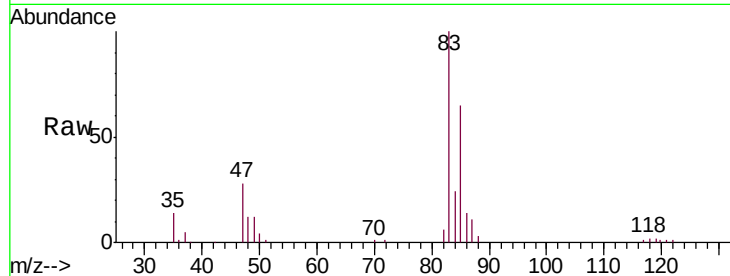




#25
Chloroform
Concen: 22.285 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW007992.D
Acq: 28 Dec 2018 01:13

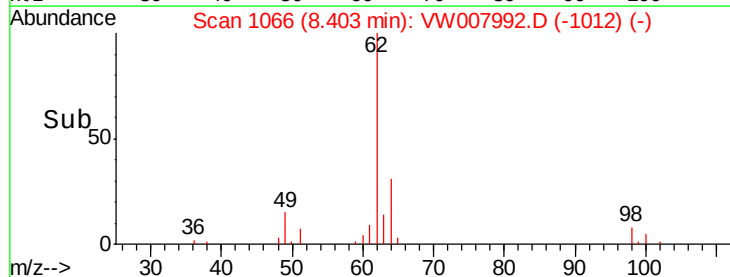
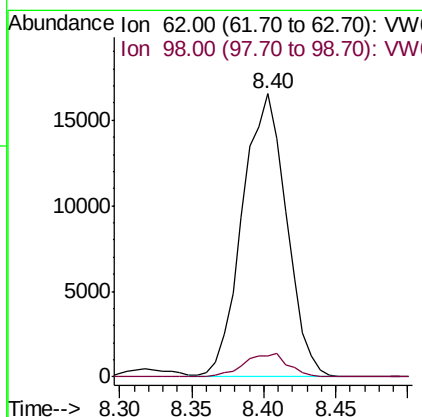
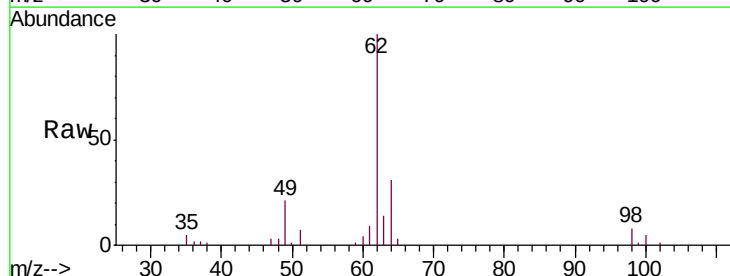
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

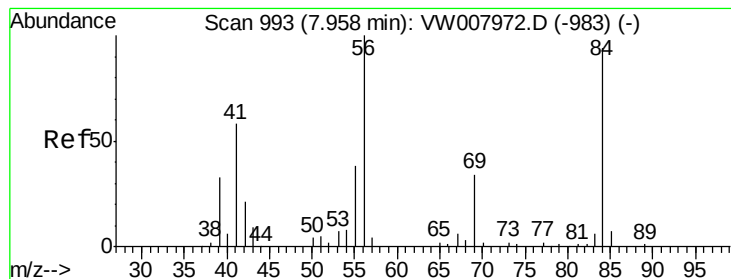
Tgt Ion: 83 Resp: 45367
Ion Ratio Lower Upper
83 100
85 66.4 45.8 85.2



#27
1,2-Dichloroethane
Concen: 23.626 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007992.D
Acq: 28 Dec 2018 01:13

Tgt Ion: 62 Resp: 35277
Ion Ratio Lower Upper
62 100
98 7.5 5.4 8.2

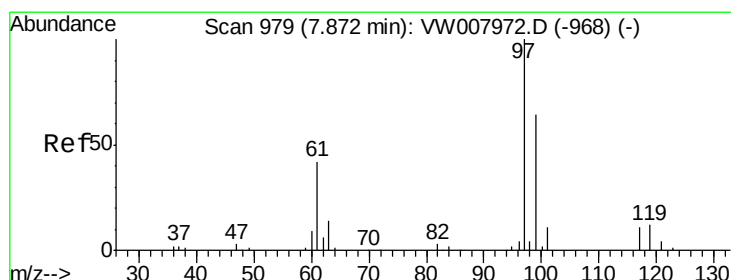
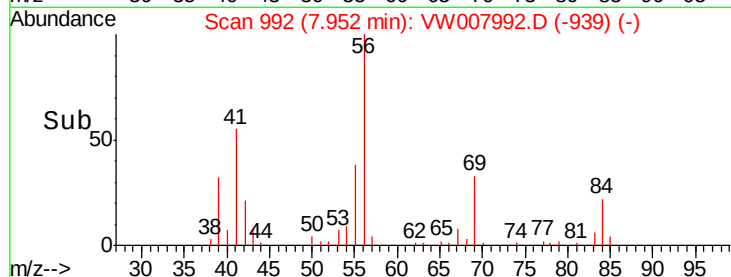
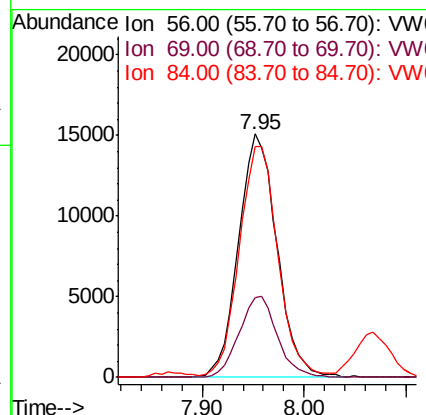
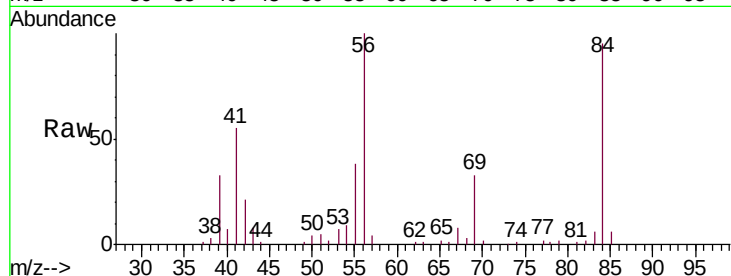




#30
Cyclohexane
Concen: 23.048 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007992.D
Acq: 28 Dec 2018 01:13

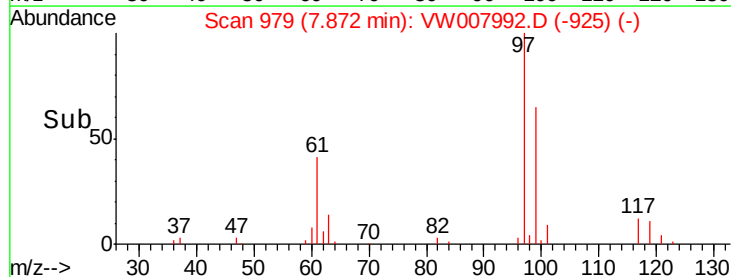
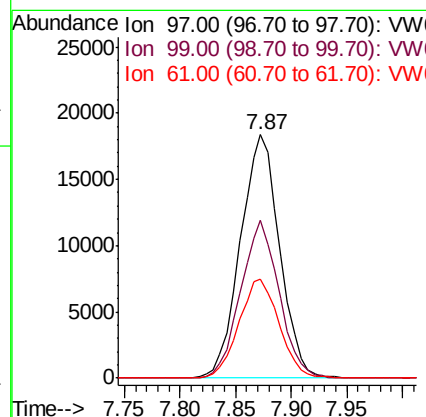
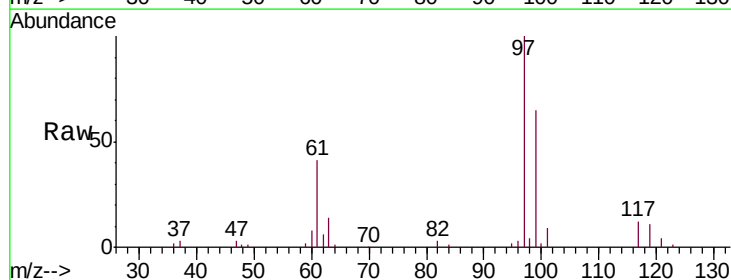
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

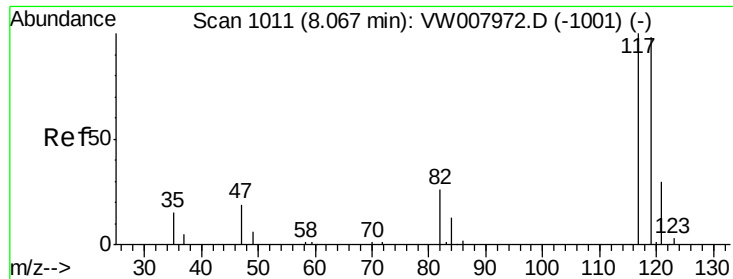
Tgt Ion: 56 Resp: 39492
Ion Ratio Lower Upper
56 100
69 33.0 26.2 39.4
84 95.8 74.3 111.5



#31
1,1,1-Trichloroethane
Concen: 24.044 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW007992.D
Acq: 28 Dec 2018 01:13

Tgt Ion: 97 Resp: 44898
Ion Ratio Lower Upper
97 100
99 63.4 52.3 78.5
61 41.5 33.5 50.3





#32

Carbon tetrachloride

Concen: 24.390 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

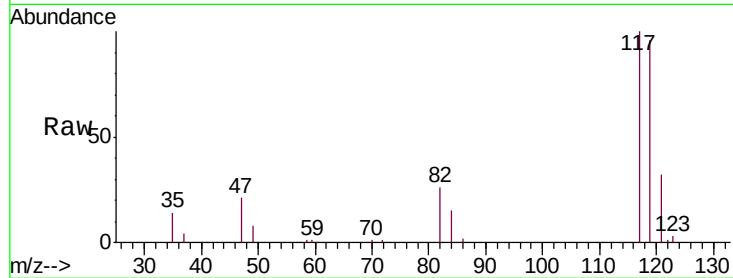
VSTD02593

Tgt Ion:117 Resp: 43726

Ion Ratio Lower Upper

117 100

119 95.9 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

20000

15000

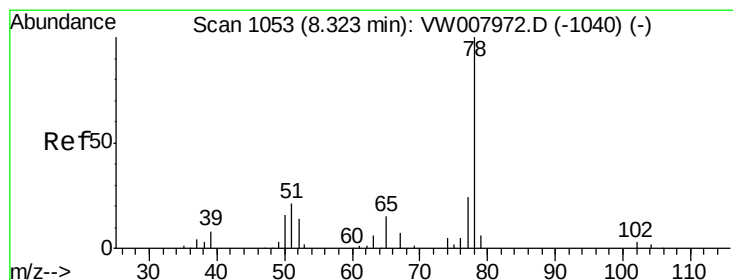
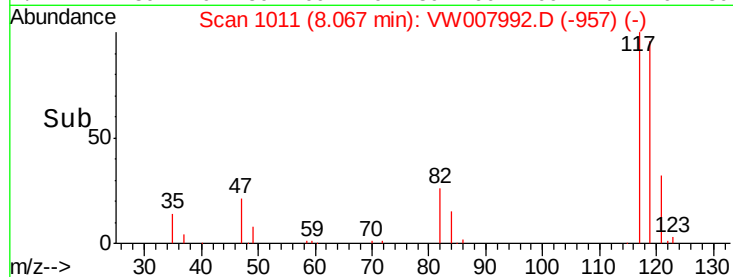
10000

5000

0

8.00 8.05 8.10 8.15

Time-->



#34

Benzene

Concen: 22.665 ug/L

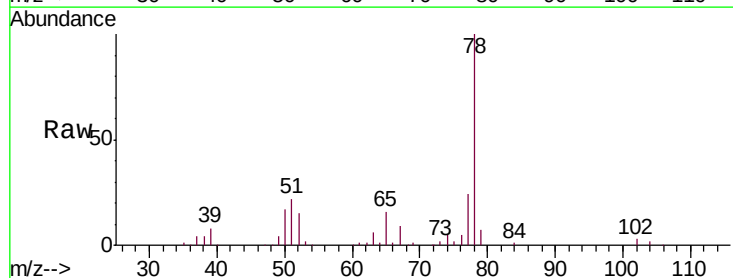
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

Tgt Ion: 78 Resp: 94461



Abundance Ion 78.00 (77.70 to 78.70): VW

50000

40000

30000

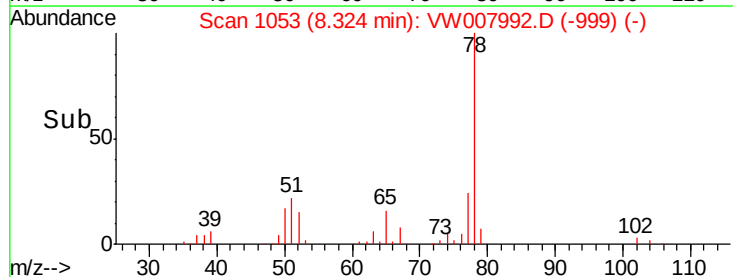
20000

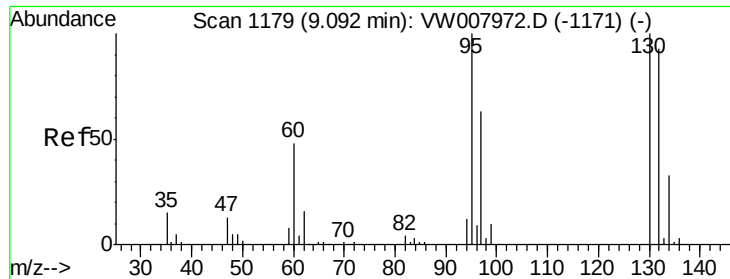
10000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 22.722 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

Tgt Ion: 95 Resp: 27514

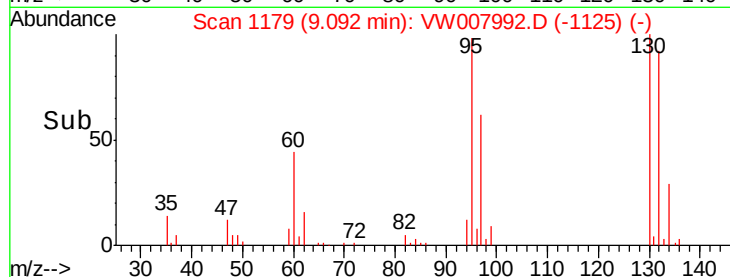
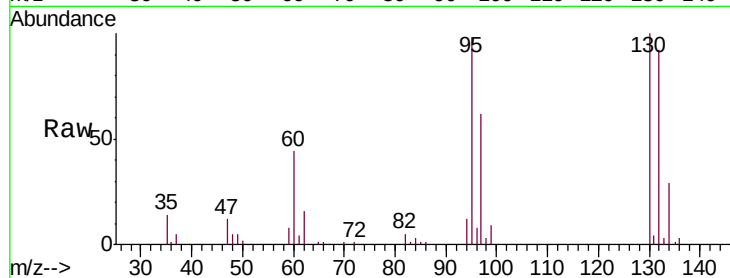
Ion Ratio Lower Upper

95 100

97 65.6 44.4 82.5

132 97.8 67.8 126.0

130 102.6 70.3 130.7

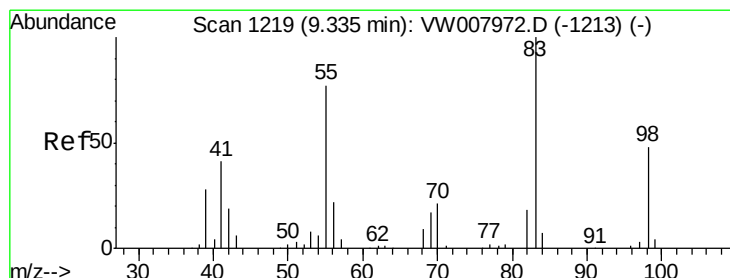
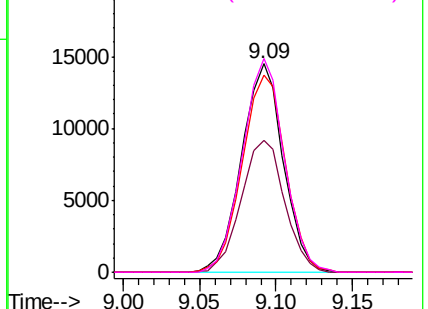


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 23.812 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

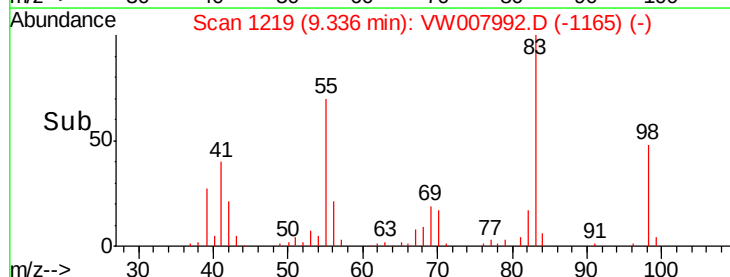
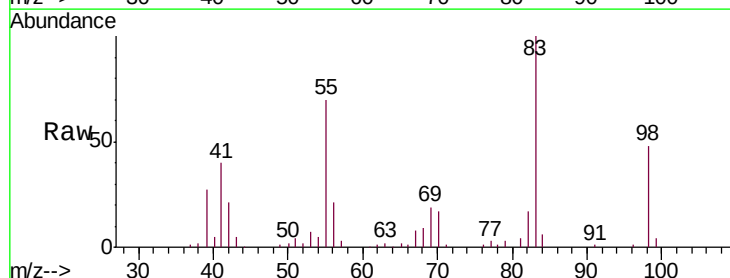
Tgt Ion: 83 Resp: 49444

Ion Ratio Lower Upper

83 100

55 72.1 59.4 89.0

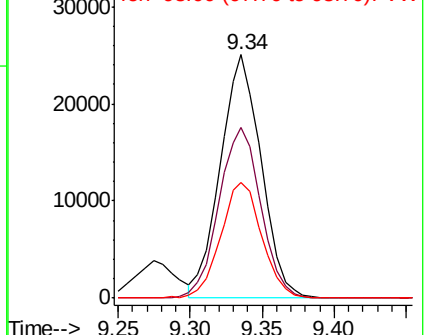
98 48.1 38.2 57.2

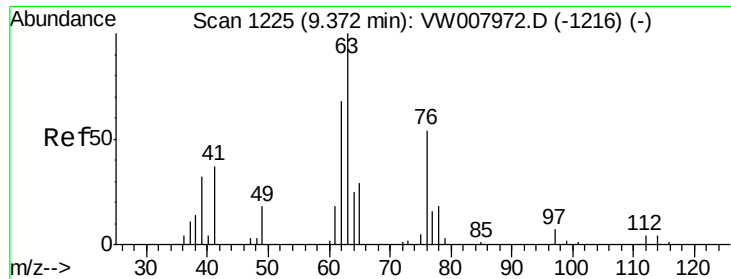


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

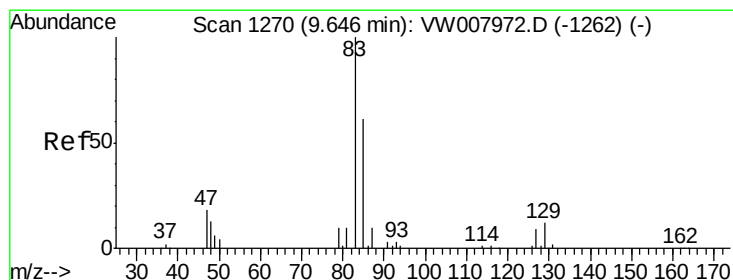
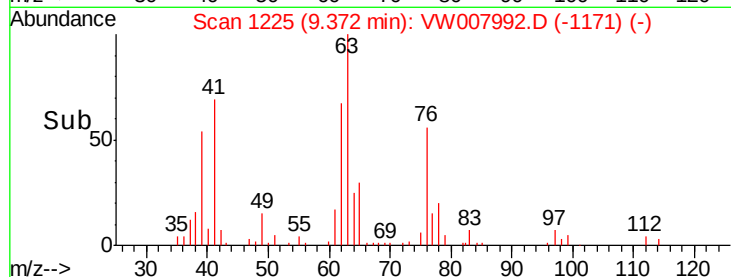
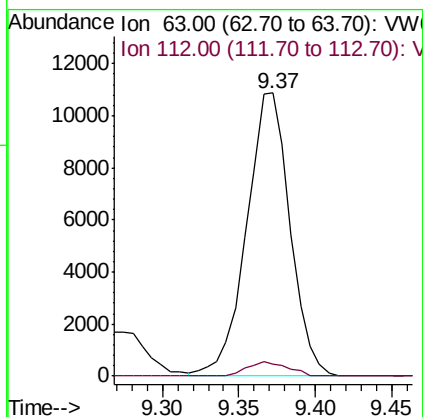
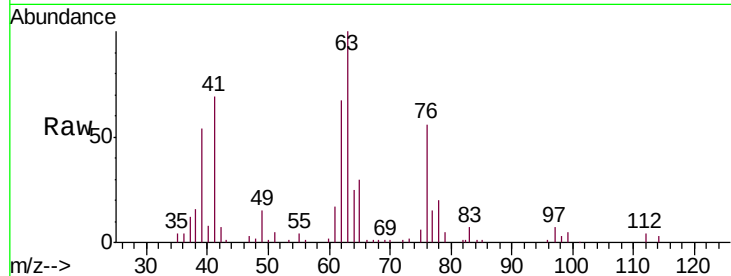




#40
 1,2-Dichloropropane
 Concen: 21.918 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

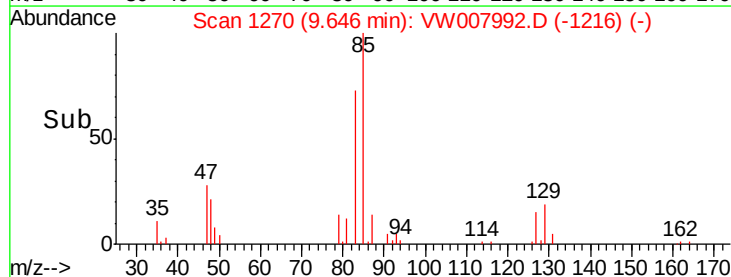
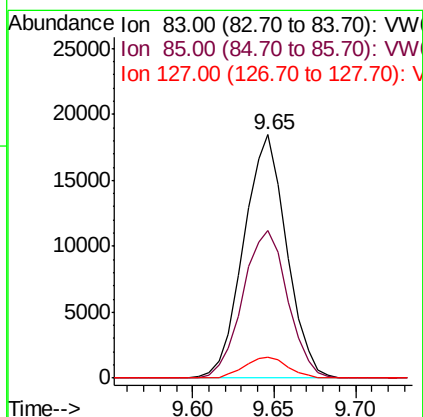
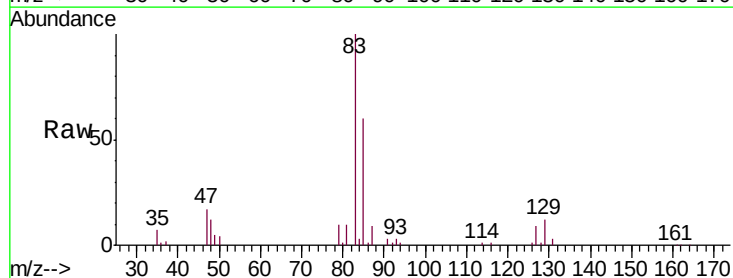
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

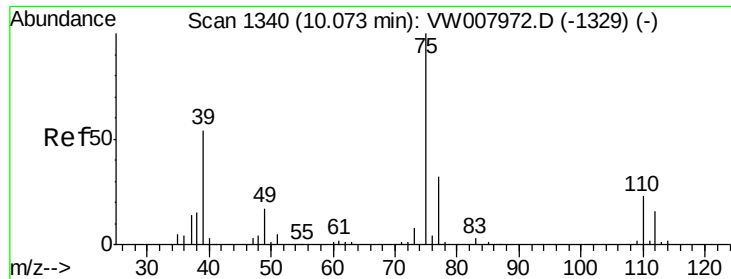
Tgt Ion: 63 Resp: 21473
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.7 5.5



#41
 Bromodichloromethane
 Concen: 23.432 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

Tgt Ion: 83 Resp: 33762
 Ion Ratio Lower Upper
 83 100
 85 60.4 44.4 82.5
 127 8.8 7.0 10.6

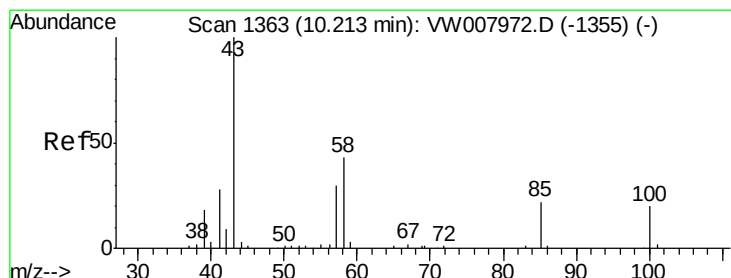
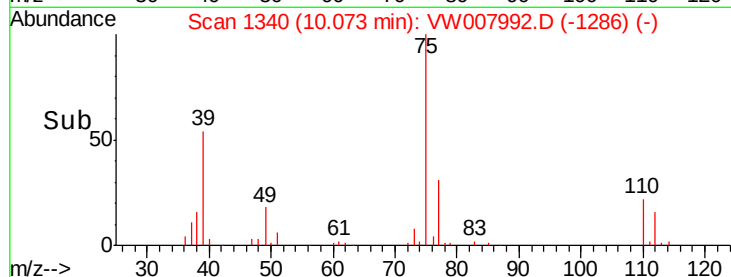
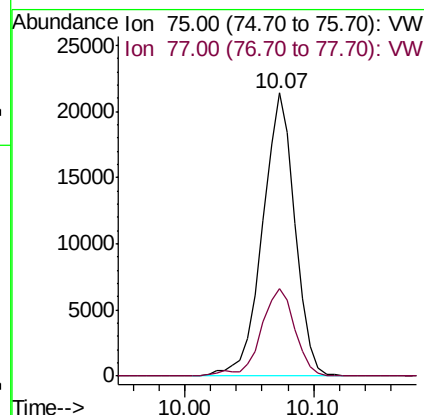
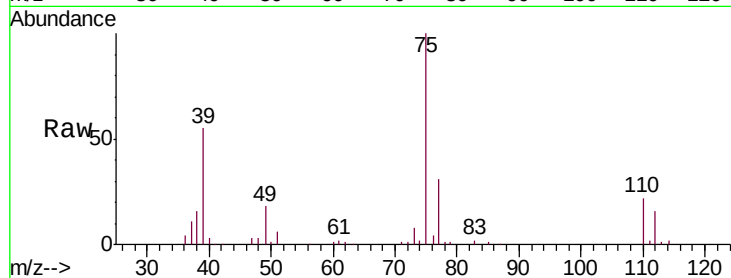




#42
 cis-1,3-Dichloropropene
 Concen: 21.798 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

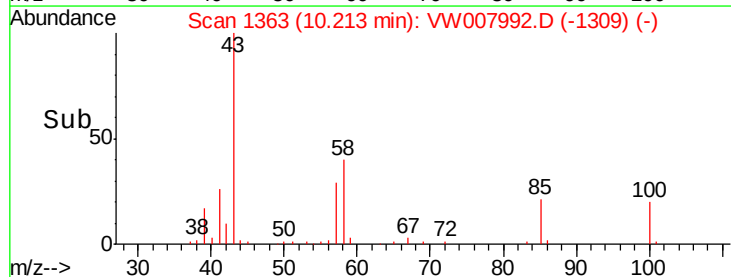
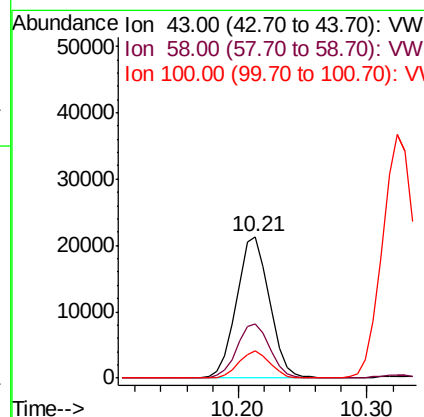
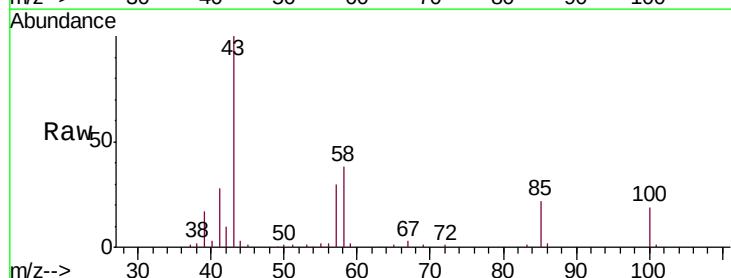
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

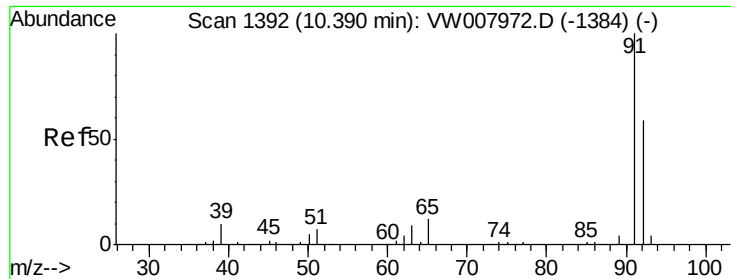
Tgt Ion: 75 Resp: 37278
 Ion Ratio Lower Upper
 75 100
 77 31.0 23.0 42.8



#43
 4-Methyl-2-pentanone
 Concen: 48.652 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

Tgt Ion: 43 Resp: 37725
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.1 46.7
 100 18.4 14.0 21.0





#44

Toluene

Concen: 22.753 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

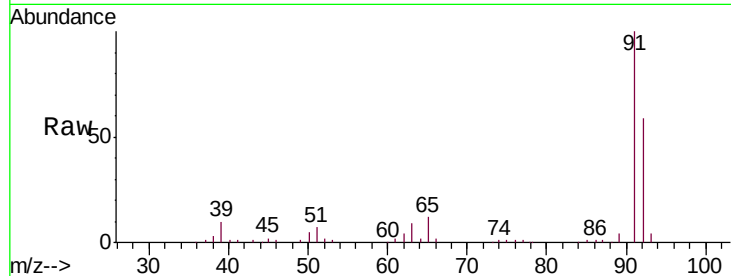
VSTD02593

Tgt Ion: 91 Resp: 106096

Ion Ratio Lower Upper

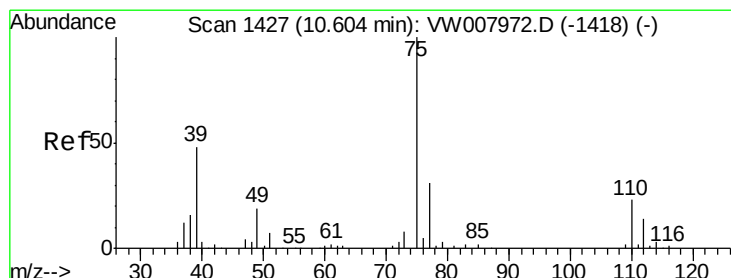
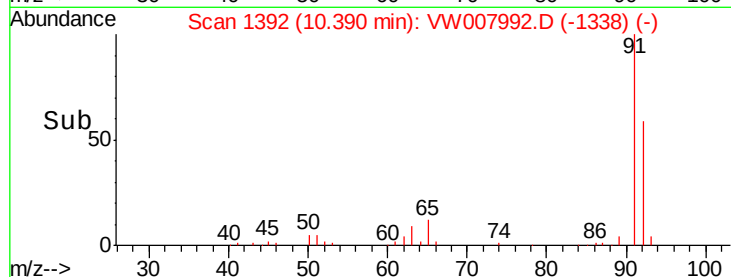
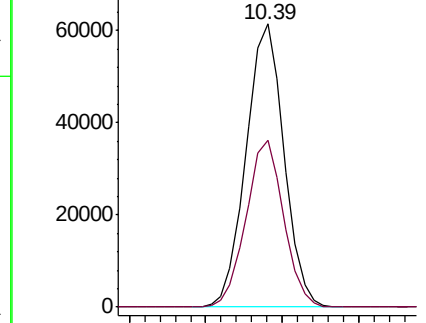
91 100

92 58.8 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: 22.016 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007992.D

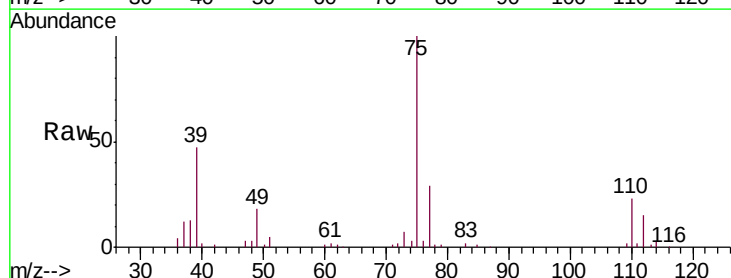
Acq: 28 Dec 2018 01:13

Tgt Ion: 75 Resp: 34693

Ion Ratio Lower Upper

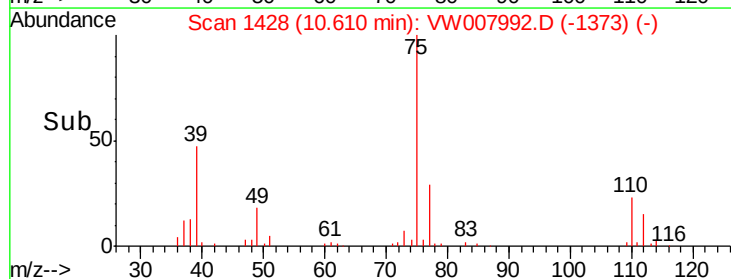
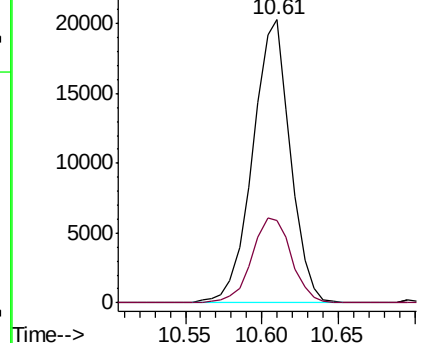
75 100

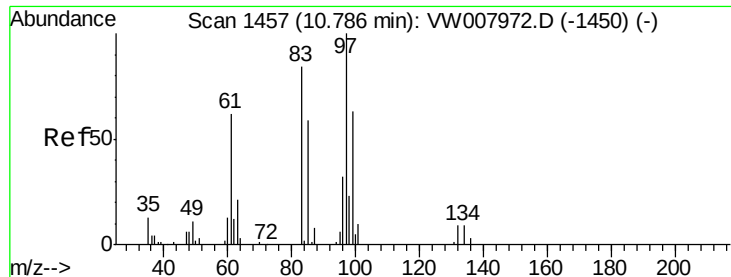
77 29.3 21.1 39.3



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: 23.649 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

Tgt Ion: 97 Resp: 19601

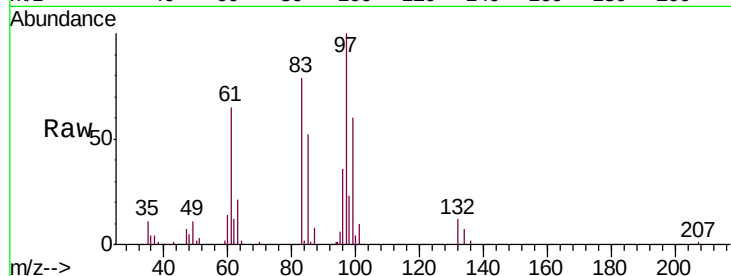
Ion Ratio Lower Upper

97 100

83 79.1 58.4 108.6

85 51.6 36.4 67.6

99 60.3 43.8 81.3

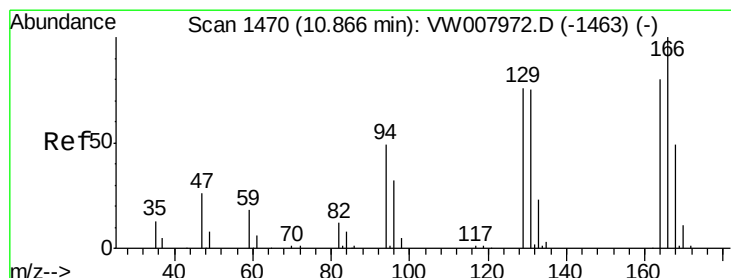
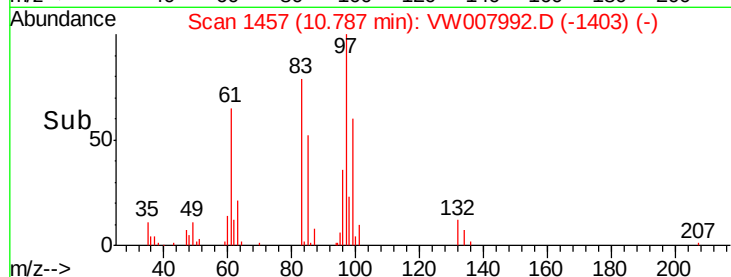
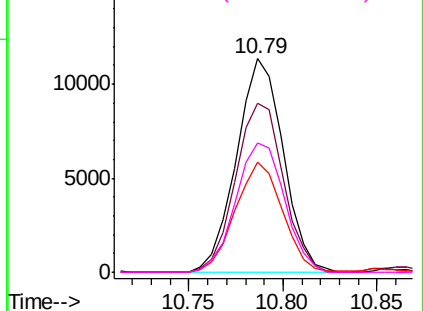


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 23.438 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

Tgt Ion: 164 Resp: 22549

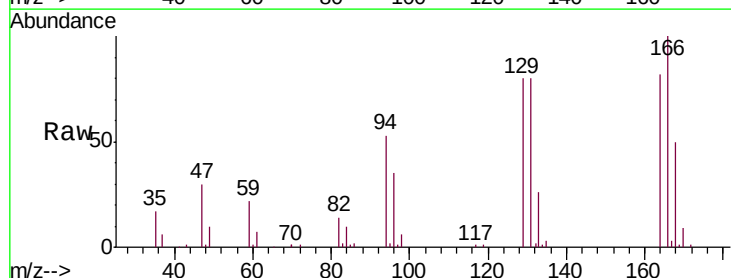
Ion Ratio Lower Upper

164 100

129 98.0 70.6 131.2

131 98.1 66.5 123.5

166 122.4 87.7 162.9

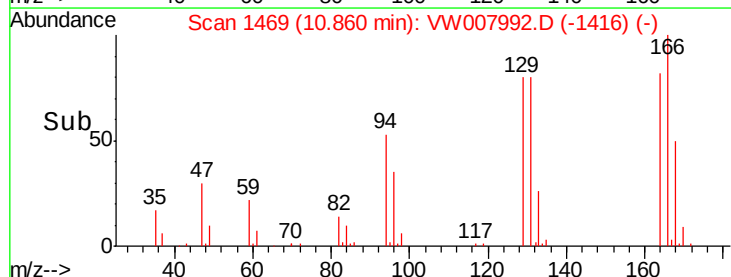
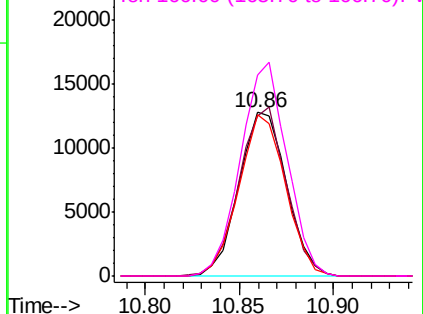


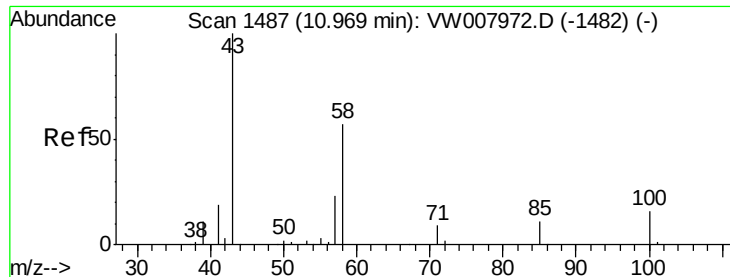
Abundance Ion 164.00 (163.70 to 164.70): V

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: 51.068 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampled :

VSTD02593

Tgt Ion: 43 Resp: 28569

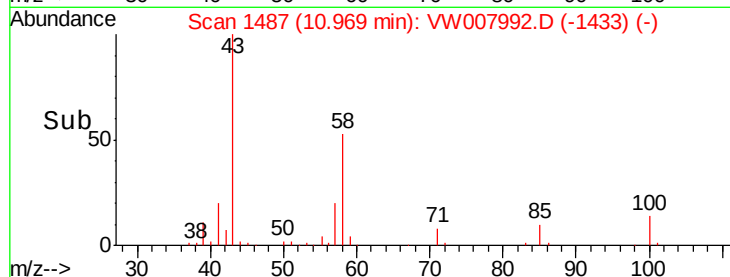
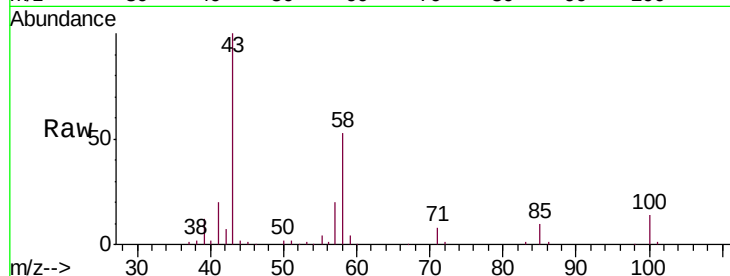
Ion Ratio Lower Upper

43 100

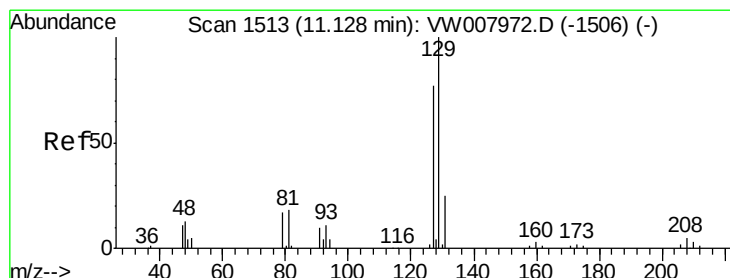
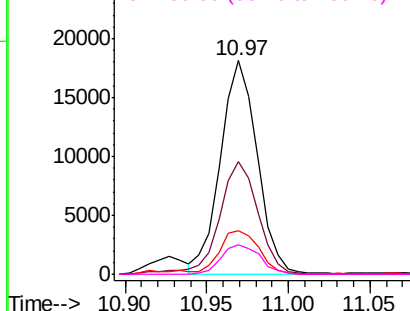
58 53.8 46.2 69.4

57 21.8 17.9 26.9

100 14.4 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 23.485 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007992.D

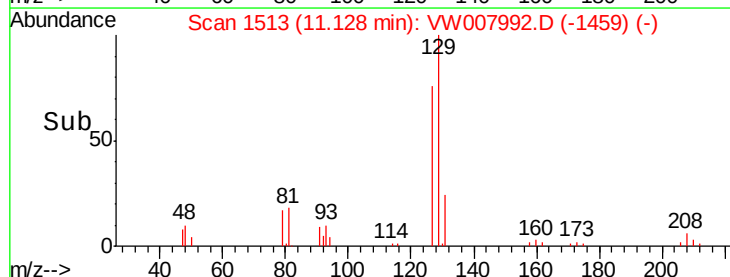
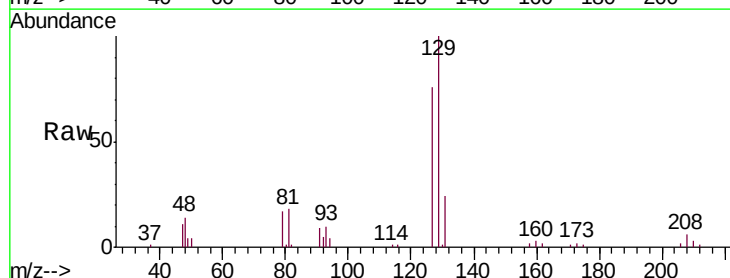
Acq: 28 Dec 2018 01:13

Tgt Ion: 129 Resp: 24799

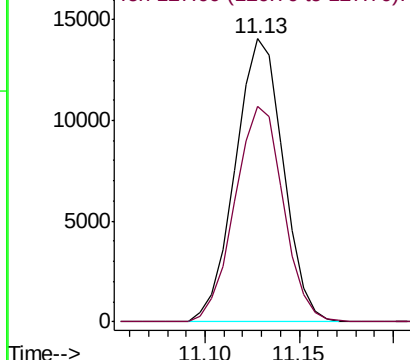
Ion Ratio Lower Upper

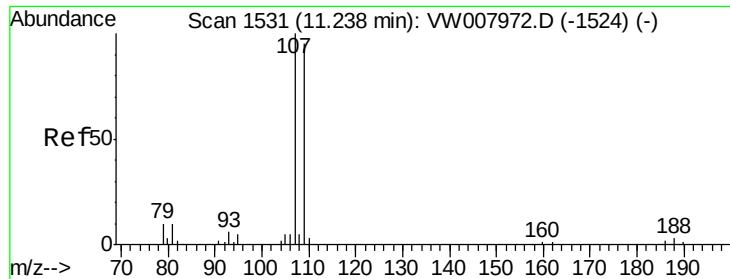
129 100

127 76.2 55.8 103.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

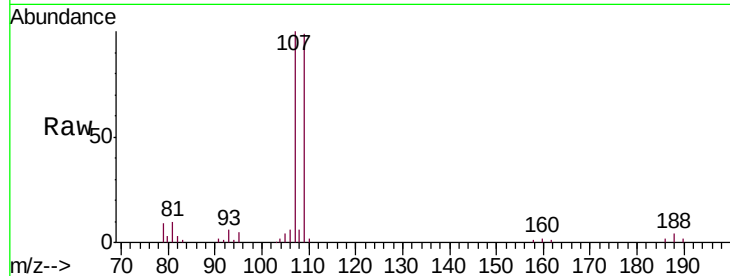




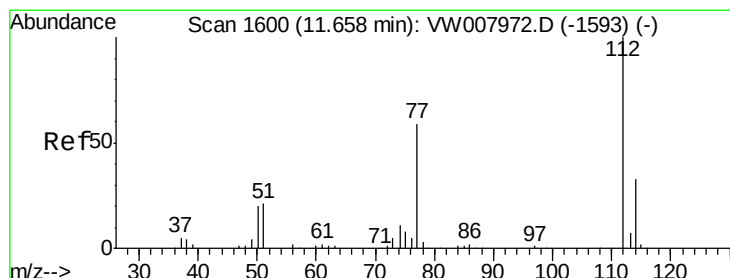
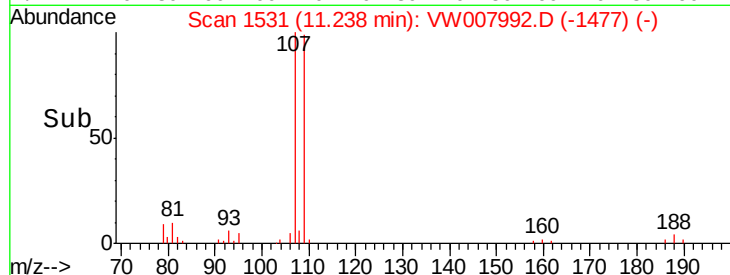
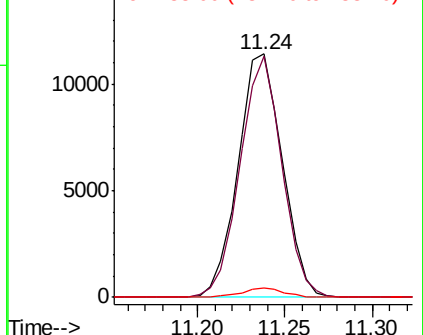
#51
 1,2-Dibromoethane
 Concen: 23.754 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

Tgt Ion:107 Resp: 20095
 Ion Ratio Lower Upper
 107 100
 109 98.9 63.2 117.4
 188 4.0 3.1 4.7

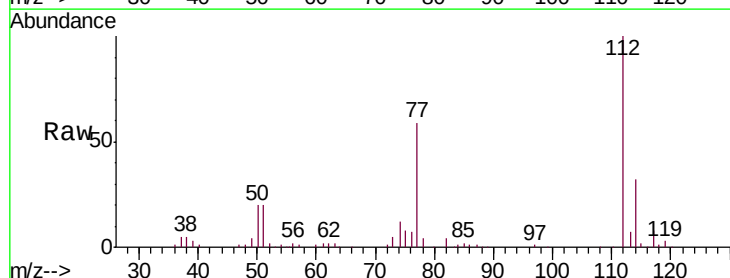


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

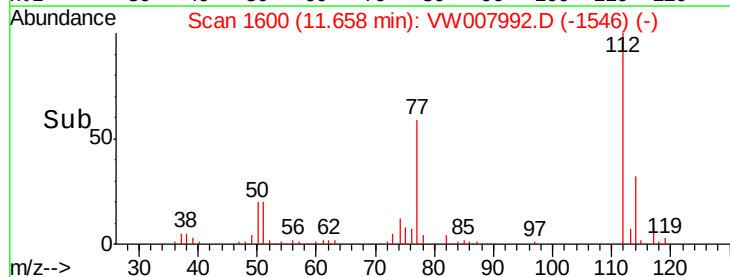
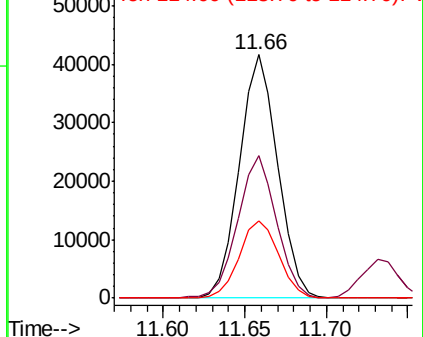


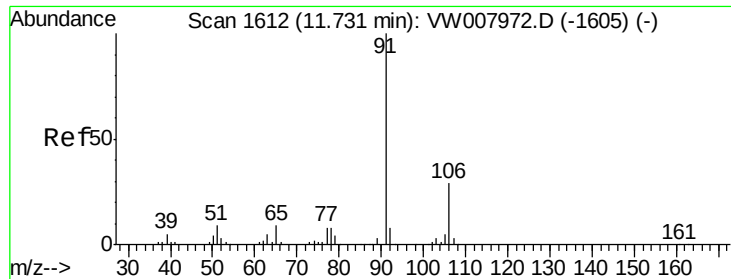
#52
 Chlorobenzene
 Concen: 22.390 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

Tgt Ion:112 Resp: 67964
 Ion Ratio Lower Upper
 112 100
 77 58.6 47.8 71.6
 114 31.7 22.2 41.2



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 77.00 (76.70 to 77.70): V
 Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 22.604 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

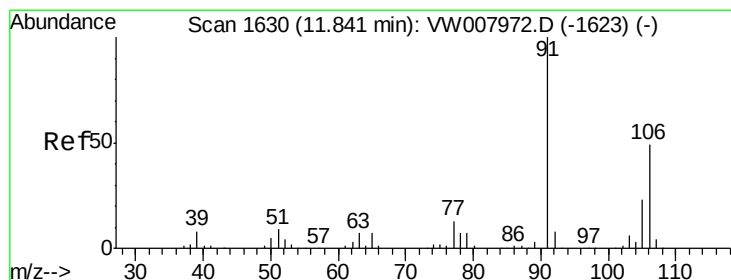
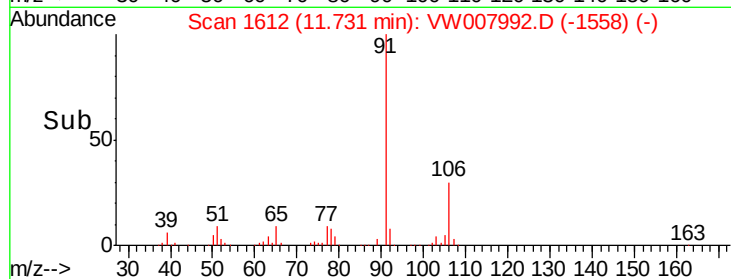
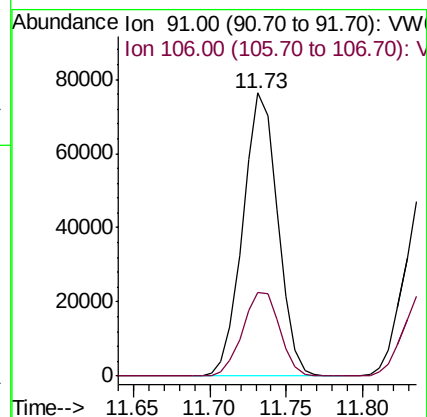
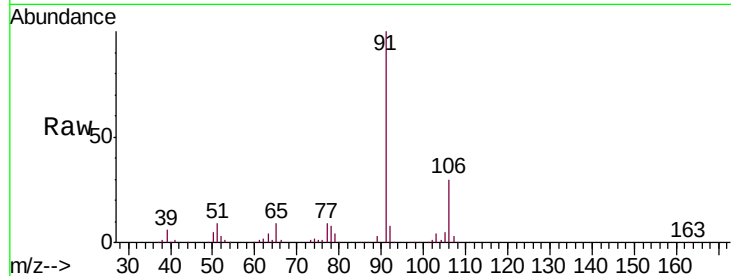
VSTD02593

Tgt Ion: 91 Resp: 121099

Ion Ratio Lower Upper

91 100

106 29.5 21.5 39.9



#54

m,p-Xylene

Concen: 23.075 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW007992.D

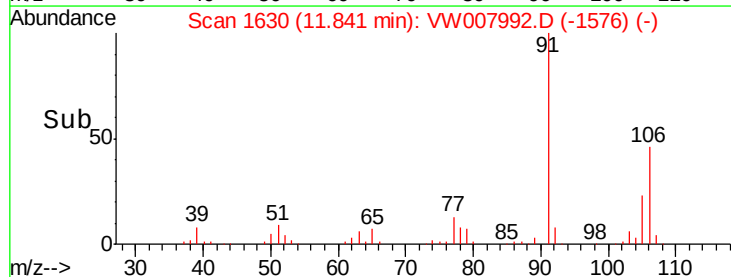
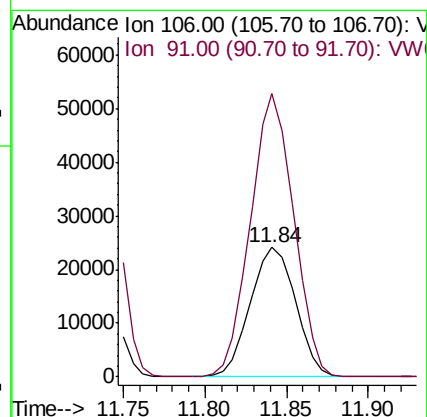
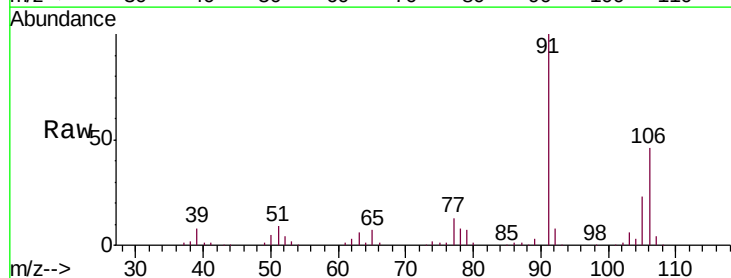
Acq: 28 Dec 2018 01:13

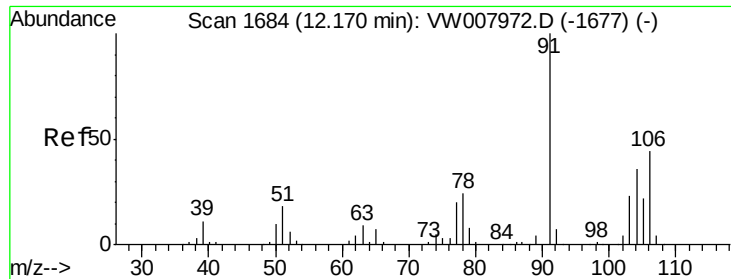
Tgt Ion: 106 Resp: 46576

Ion Ratio Lower Upper

106 100

91 218.4 147.8 274.4

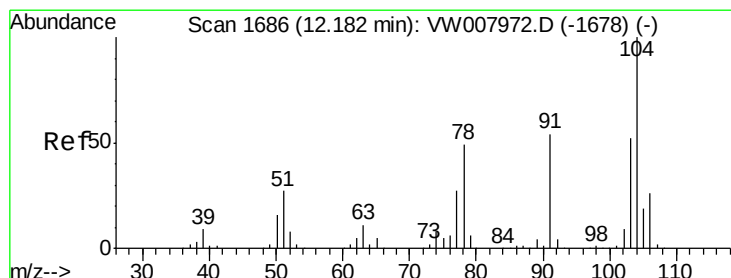
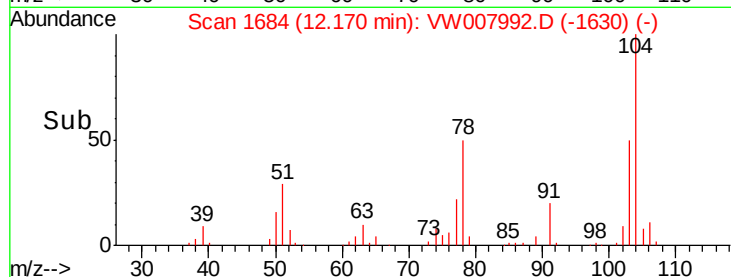
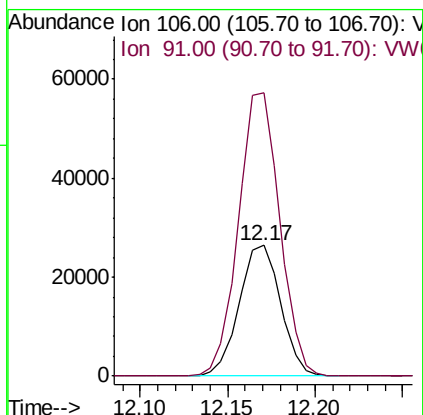
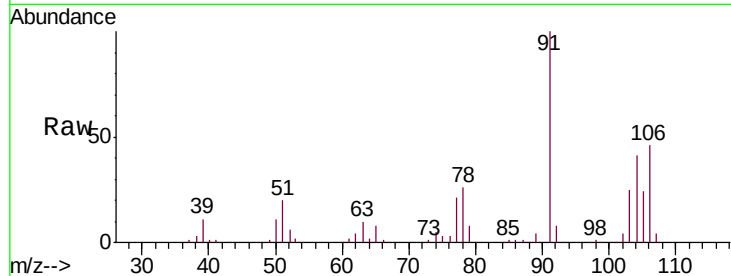




#55
o-xylene
Concen: 22.731 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007992.D
Acq: 28 Dec 2018 01:13

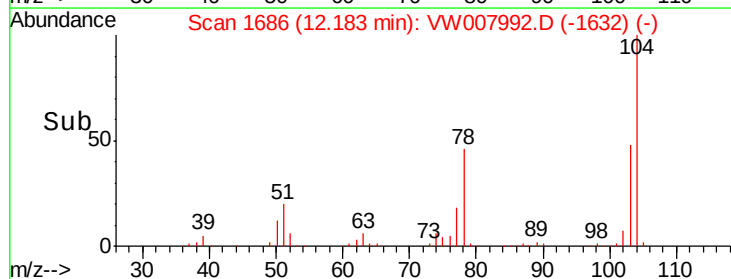
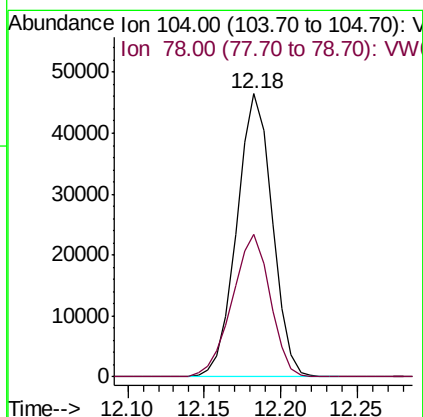
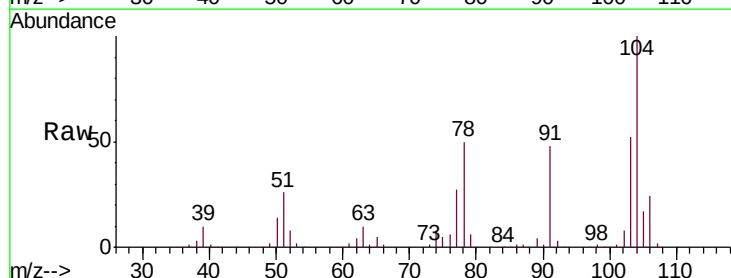
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

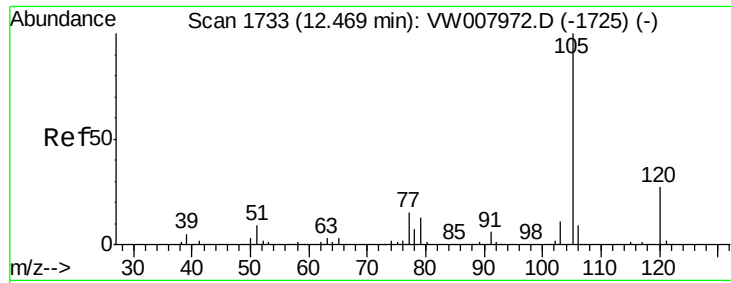
Tgt Ion:106 Resp: 43514
Ion Ratio Lower Upper
106 100
91 216.2 156.0 289.6



#56
Styrene
Concen: 23.121 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007992.D
Acq: 28 Dec 2018 01:13

Tgt Ion:104 Resp: 75019
Ion Ratio Lower Upper
104 100
78 50.2 34.6 64.3





#57

Isopropylbenzene

Concen: 22.827 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

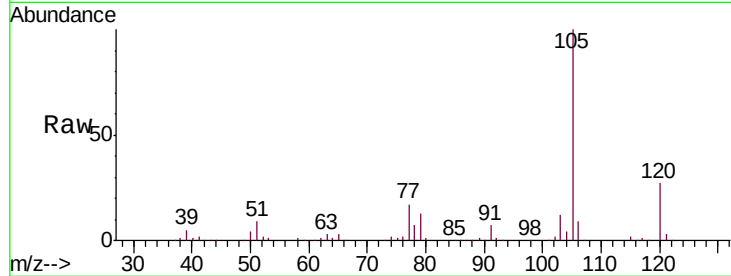
Tgt Ion: 105 Resp: 123781

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

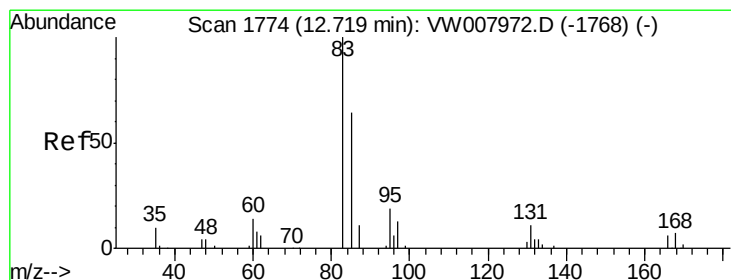
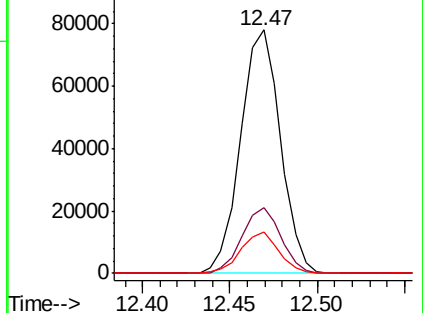
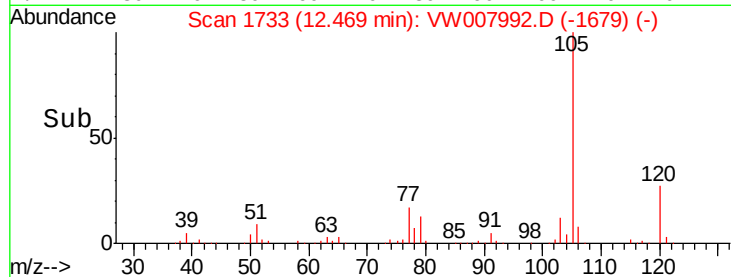
77 16.0 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 23.703 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007992.D

Acq: 28 Dec 2018 01:13

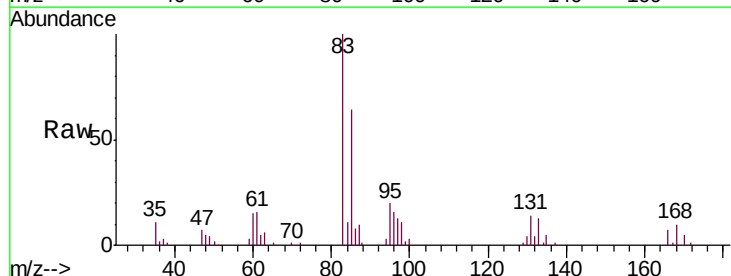
Tgt Ion: 83 Resp: 24359

Ion Ratio Lower Upper

83 100

85 63.6 46.6 86.6

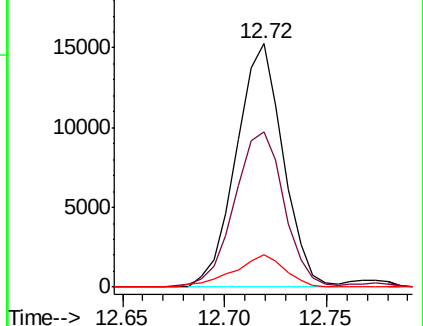
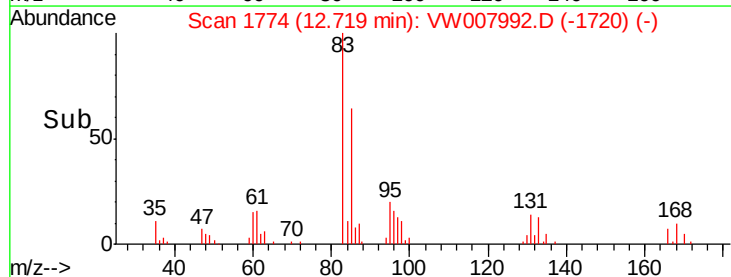
131 13.5 9.7 14.5

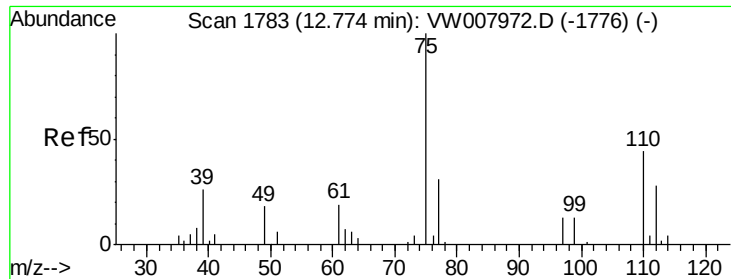


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

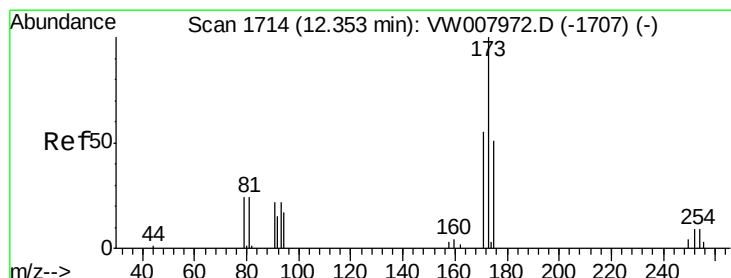
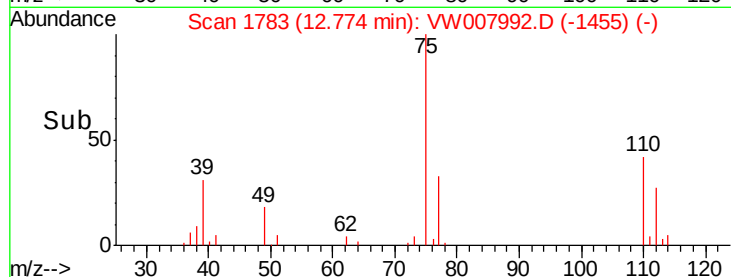
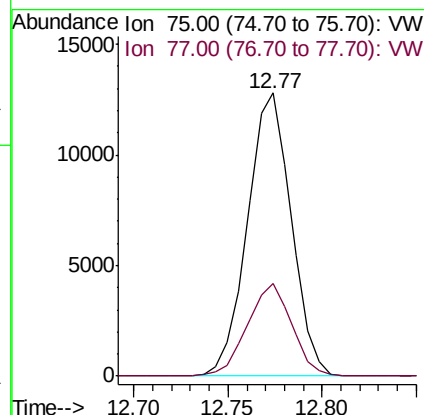
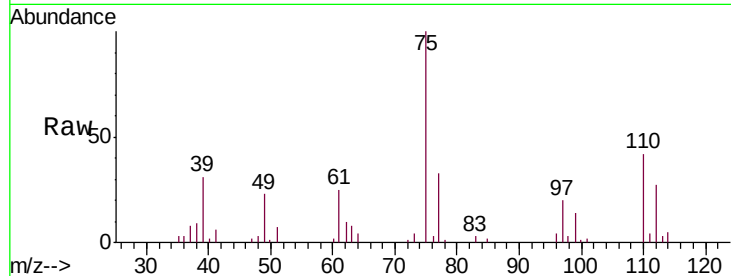




#59
 1,2,3-Trichloropropane
 Concen: 24.912 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

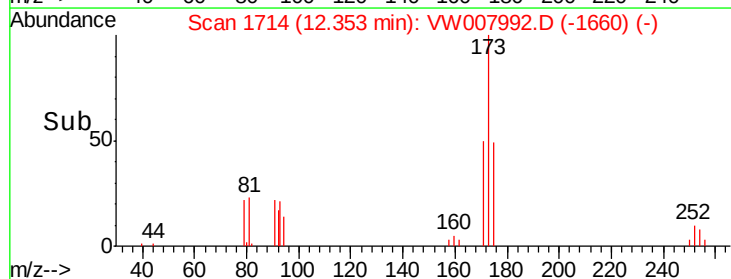
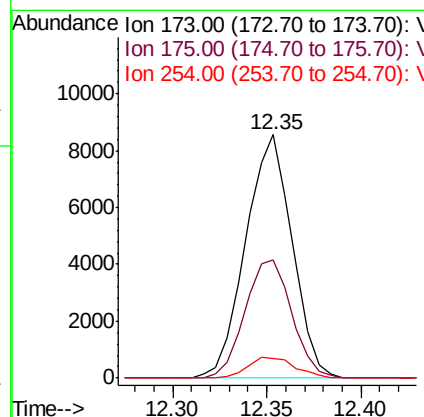
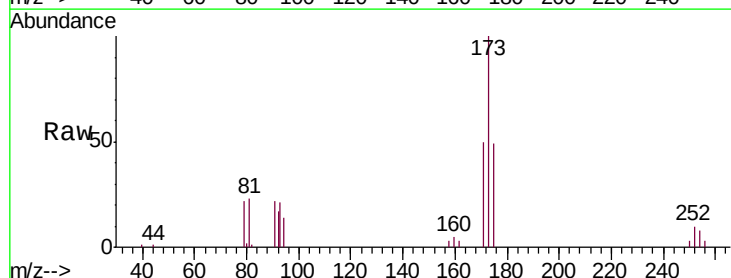
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

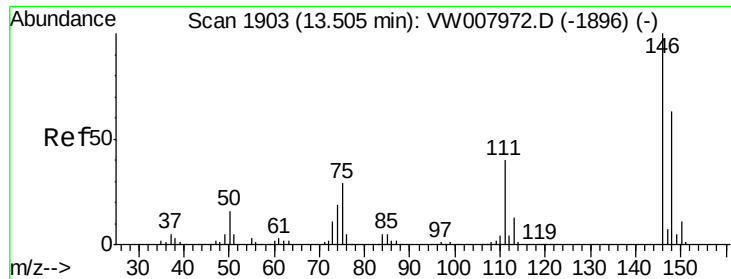
Tgt Ion: 75 Resp: 20593
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.5 38.3



#62
 Bromoform
 Concen: 24.850 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

Tgt Ion: 173 Resp: 14605
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.0 58.4
 254 8.7 5.8 8.8

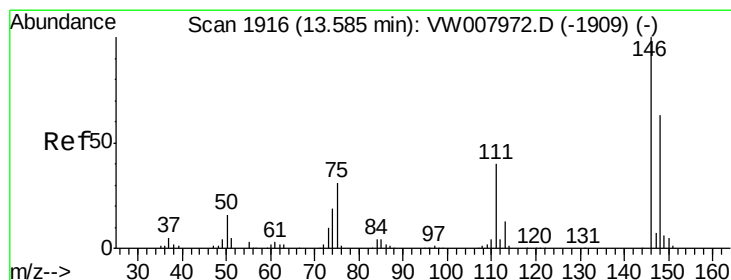
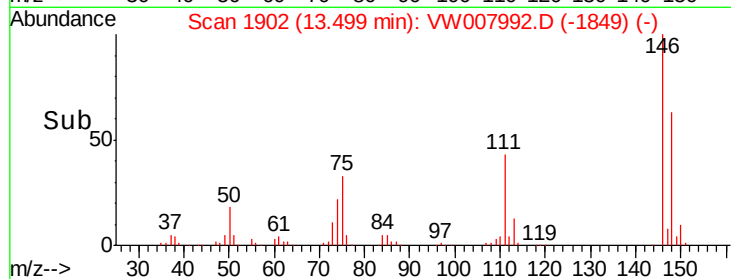
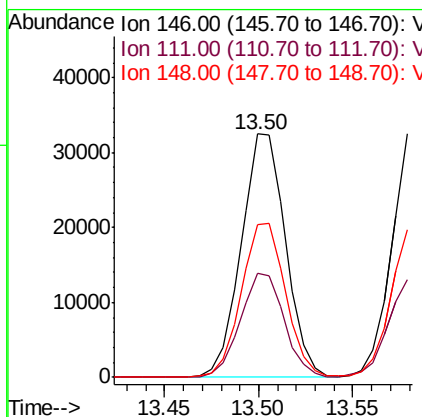
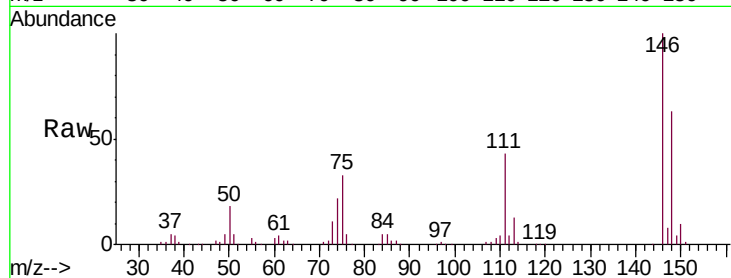




#63
 1,3-Dichlorobenzene
 Concen: 22.256 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

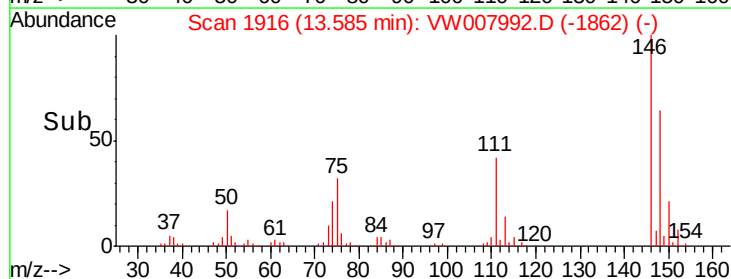
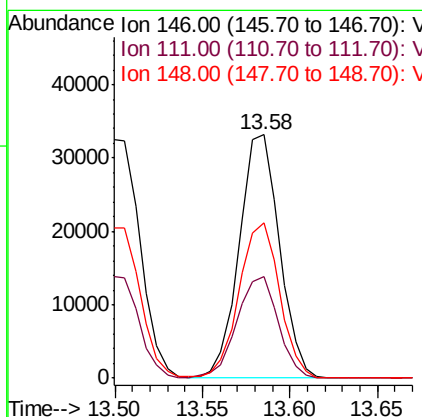
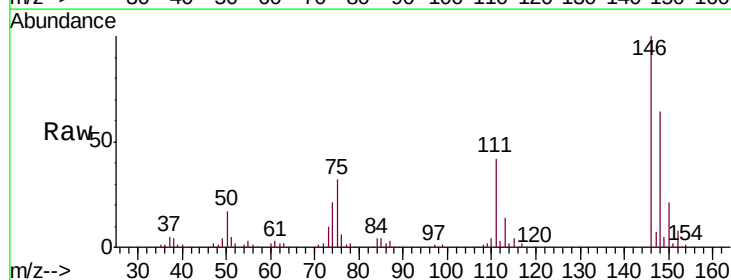
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

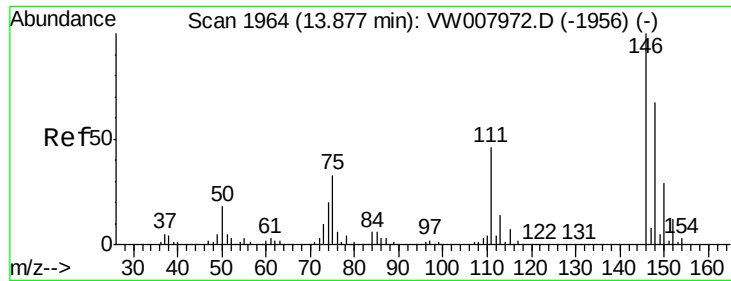
Tgt Ion:146 Resp: 53045
 Ion Ratio Lower Upper
 146 100
 111 42.6 31.0 57.6
 148 62.9 43.6 81.0



#64
 1,4-Dichlorobenzene
 Concen: 22.481 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

Tgt Ion:146 Resp: 53284
 Ion Ratio Lower Upper
 146 100
 111 41.9 26.9 49.9
 148 63.7 41.6 77.3

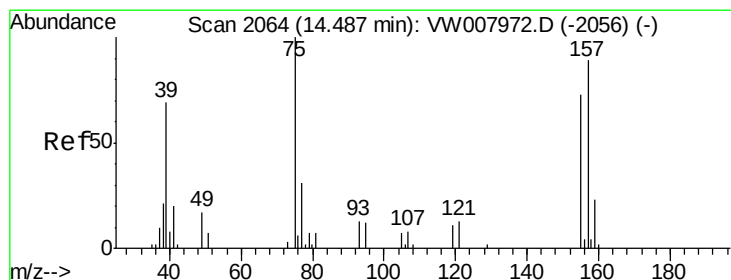
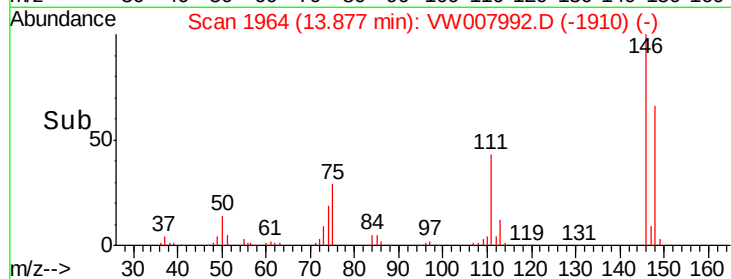
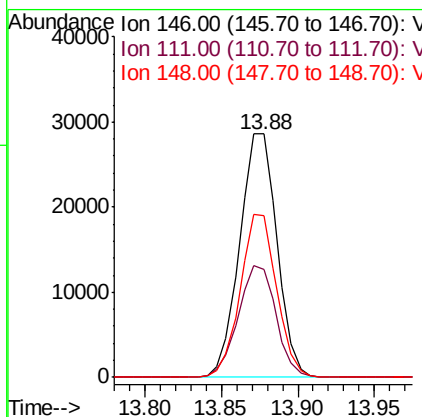
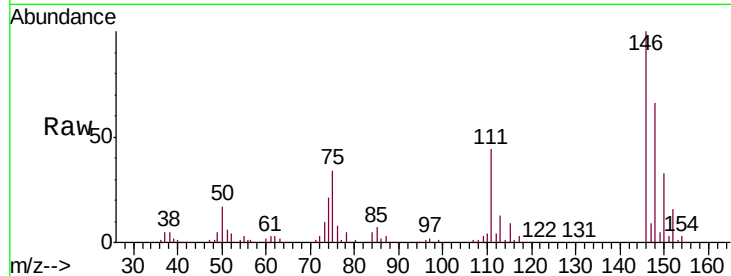




#65
 1,2-Dichlorobenzene
 Concen: 22.479 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

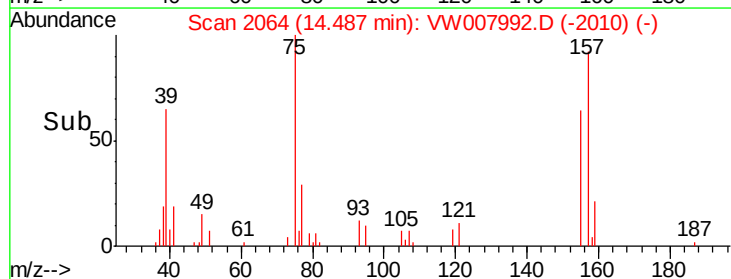
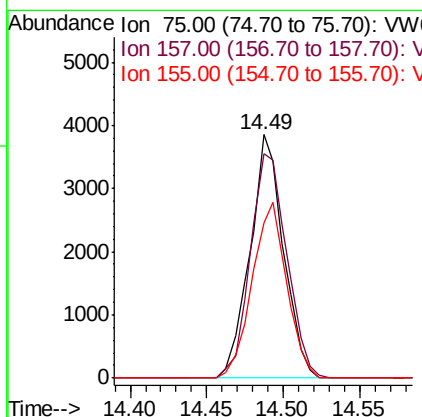
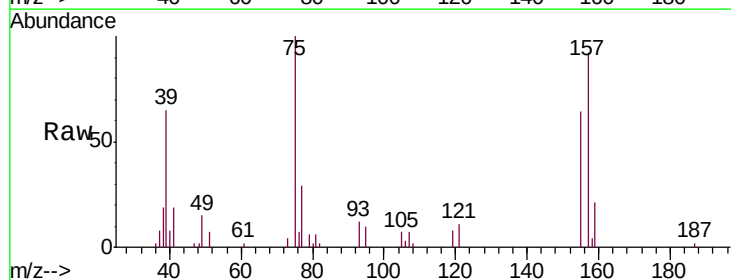
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

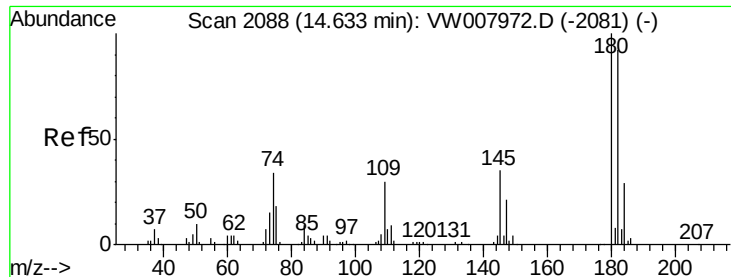
Tgt Ion: 146 Resp: 48636
 Ion Ratio Lower Upper
 146 100
 111 44.3 36.4 54.6
 148 66.4 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.401 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

Tgt Ion: 75 Resp: 5845
 Ion Ratio Lower Upper
 75 100
 157 92.1 85.6 128.4
 155 63.8 63.4 95.0

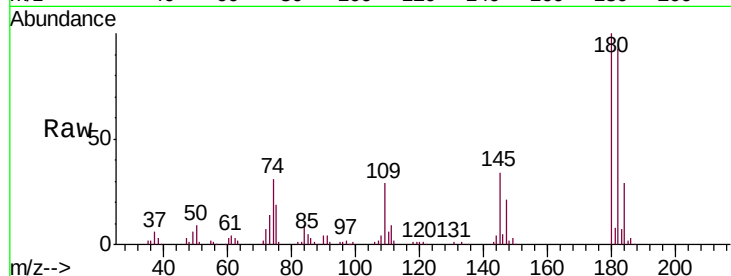




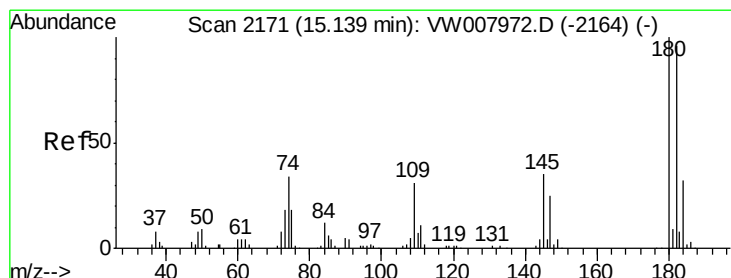
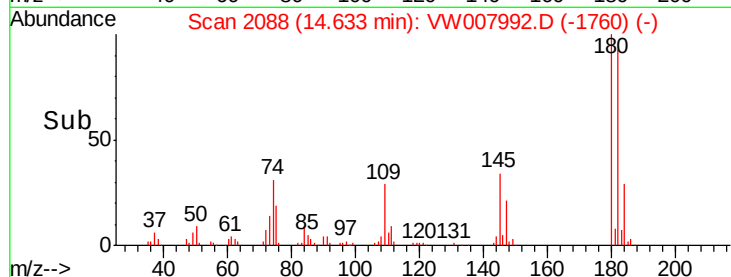
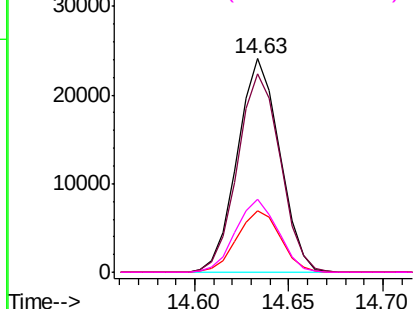
#67
 1,3,5-Trichlorobenzene
 Concen: 21.589 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

Tgt Ion:	180	Resp:	37687
Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.0	112.4
184	29.5	23.5	35.3
145	34.1	26.6	39.8

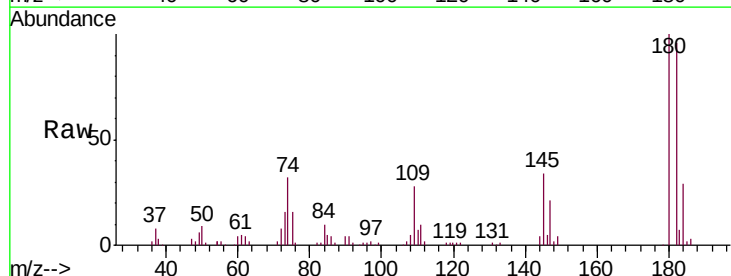


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

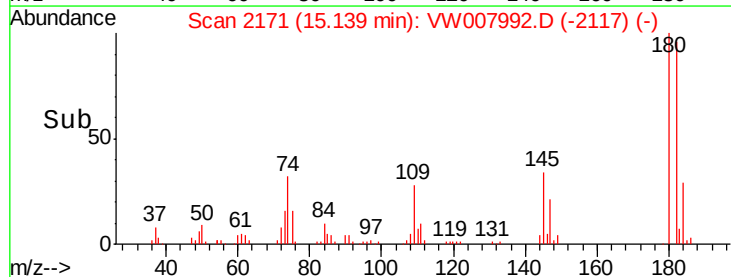
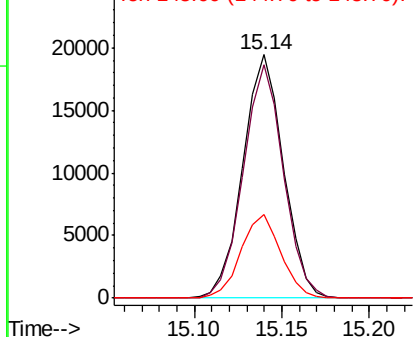


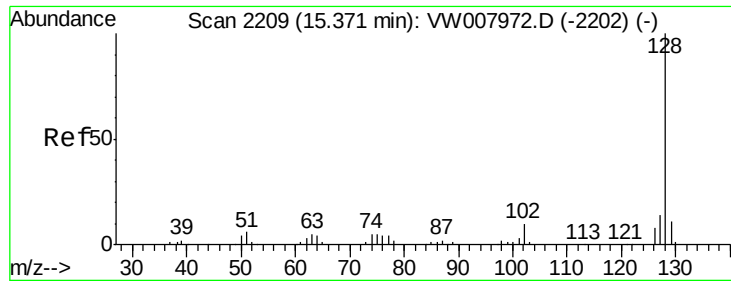
#68
 1,2,4-trichlorobenzene
 Concen: 20.916 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007992.D
 Acq: 28 Dec 2018 01:13

Tgt Ion:	180	Resp:	31342
Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.0	115.6
145	33.9	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

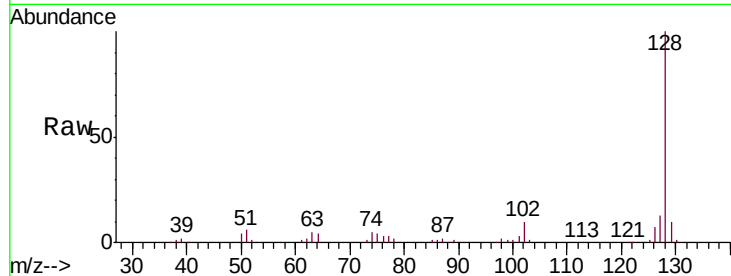




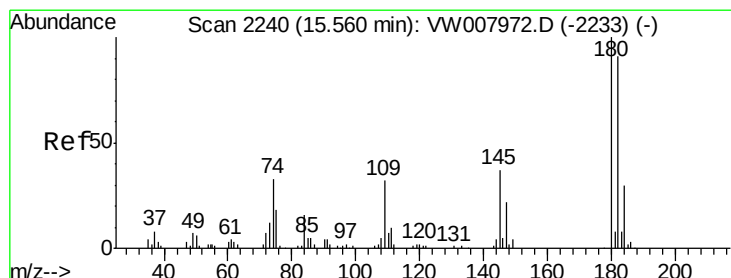
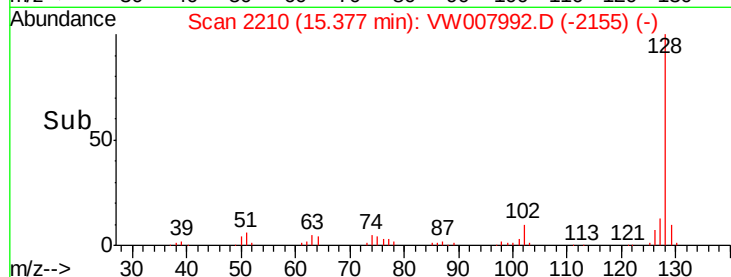
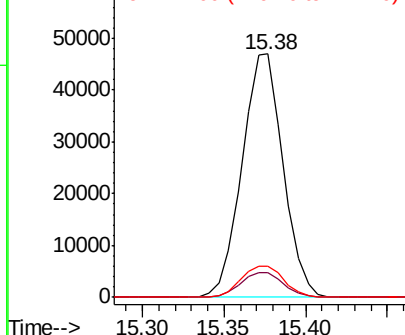
#69
Naphthalene
Concen: 24.235 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007992.D
Acq: 28 Dec 2018 01:13

Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

Tgt Ion:128 Resp: 82204
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.3 11.1 16.7

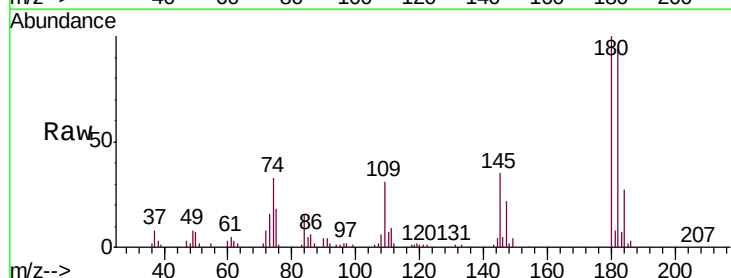


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 22.177 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW007992.D
Acq: 28 Dec 2018 01:13

Tgt Ion:180 Resp: 29419
Ion Ratio Lower Upper
180 100
182 95.6 75.8 113.6
145 35.9 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

