

Data File : VV011830.D
Acq On : 03 Jul 2019 15:43
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 26ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

Quant Time: Jul 03 23:57:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 23:52:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	180441	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	174484	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	85142	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49456	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.58	69	41131	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.13	63	107747	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.80%
20) 2-Butanone-d5	3.94	46	140176	46.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.48%
24) Chloroform-d	4.40	84	106408	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.08	65	55092	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
32) Benzene-d6	5.10	84	202051	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.12	67	62375	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	7.36	98	186179	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	7.66	79	23044	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.13	63	108548	47.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.32%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	45473	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	65784	4.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	89928	5.222 ug/L	98
3) Chloromethane	1.25	50	86512	5.051 ug/L	98
5) Vinyl chloride	1.32	62	84172	5.224 ug/L	99
6) Bromomethane	1.54	94	44271	5.240 ug/L	99
8) Chloroethane	1.60	64	49118	5.340 ug/L	98
9) Trichlorofluoromethane	1.77	101	117892	5.559 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	65698	5.557 ug/L	99
12) 1,1-Dichloroethene	2.14	96	58775	5.383 ug/L	87
13) Acetone	2.20	43	104424	50.842 ug/L	98
14) Carbon disulfide	2.32	76	151092	5.147 ug/L	100
15) Methyl Acetate	2.46	43	24857	4.354 ug/L	95
16) Methylene chloride	2.53	84	63851	4.891 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	162457	5.713 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	74705	6.043 ug/L	99
19) 1,1-Dichloroethane	3.23	63	131659	5.375 ug/L	100
21) 2-Butanone	4.03	43	180369	53.766 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	71852	5.446 ug/L	100

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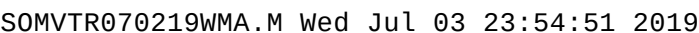
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

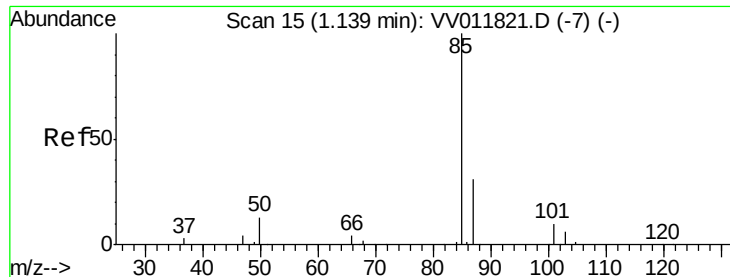
Quant Time: Jul 03 23:57:03 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 23:52:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	28084	5.123	ug/L	93
25) Chloroform	4.42	83	131449	5.007	ug/L	99
27) 1,2-Dichloroethane	5.18	62	84619	5.218	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	109173	5.331	ug/L	99
30) Cyclohexane	4.72	56	116003	5.307	ug/L	99
31) Carbon tetrachloride	4.87	117	95122	5.415	ug/L	98
33) Benzene	5.14	78	280241	5.395	ug/L	100
34) Trichloroethene	5.96	95	73076	5.407	ug/L	99
35) Methylcyclohexane	6.17	83	119185	5.389	ug/L	99
37) 1,2-Dichloropropane	6.22	63	71130	5.347	ug/L	99
38) Bromodichloromethane	6.55	83	82596	5.326	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	95688	5.393	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	449800	54.613	ug/L	99
42) Toluene	7.43	91	301234	5.490	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	75745	5.532	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	45607	5.344	ug/L	97
47) Tetrachloroethene	8.02	164	57449	5.402	ug/L	94
48) 2-Hexanone	8.18	43	317990	54.694	ug/L	98
49) Dibromochloromethane	8.29	129	50004	5.519	ug/L	99
50) 1,2-Dibromoethane	8.40	107	42096	5.311	ug/L	98
51) Chlorobenzene	8.92	112	187315	5.406	ug/L	99
52) Ethylbenzene	9.05	91	335509	5.500	ug/L	99
53) m,p-xylene	9.18	106	126410	5.666	ug/L	95
54) o-xylene	9.59	106	119277	5.549	ug/L	99
55) Styrene	9.60	104	203486	5.674	ug/L	96
56) Isopropylbenzene	9.97	105	324414	5.577	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	53207	5.091	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	40527	5.265	ug/L	100
61) Bromoform	9.77	173	23458	5.164	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	141466	5.372	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	143298	5.327	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	131431	5.283	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	7873	4.989	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	110910	5.442	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	91557	5.564	ug/L	100
69) Naphthalene	13.55	128	144593	5.517	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	83947	5.504	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 5.222 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

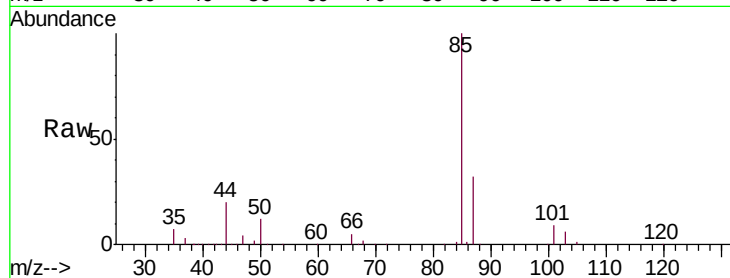
VSTD00557

Tgt Ion: 85 Resp: 89928

Ion Ratio Lower Upper

85 100

87 33.0 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

100000

80000

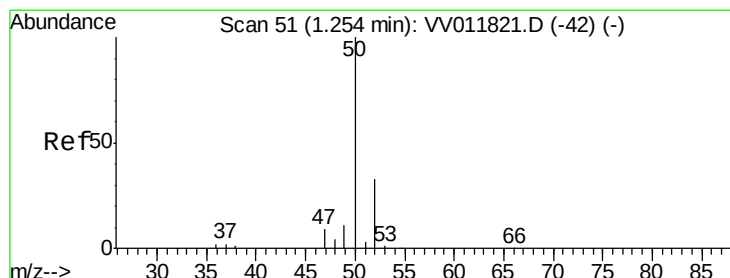
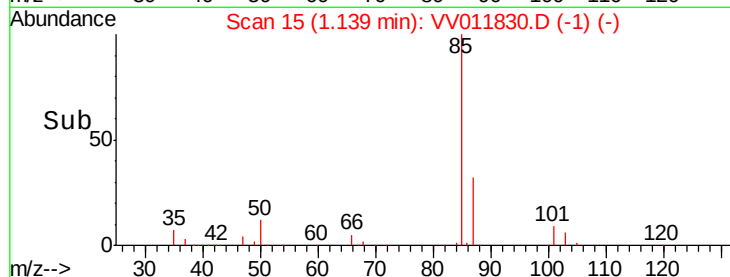
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 5.051 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011830.D

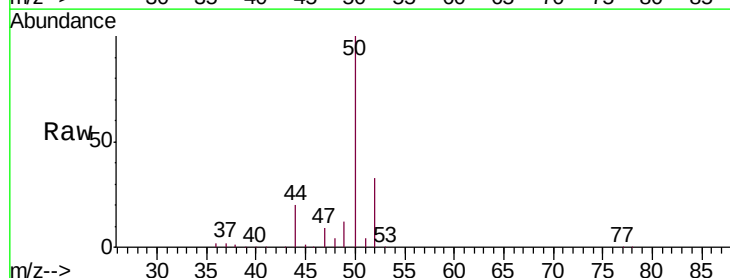
Acq: 03 Jul 2019 15:43

Tgt Ion: 50 Resp: 86512

Ion Ratio Lower Upper

50 100

52 32.7 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

80000

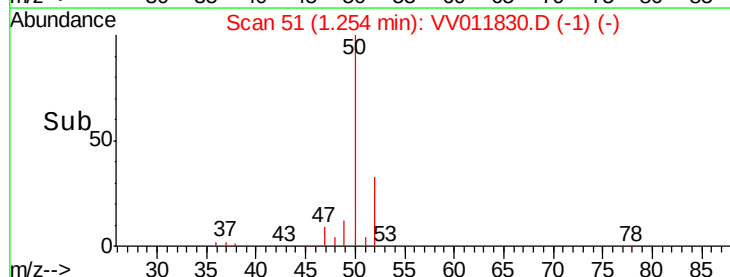
60000

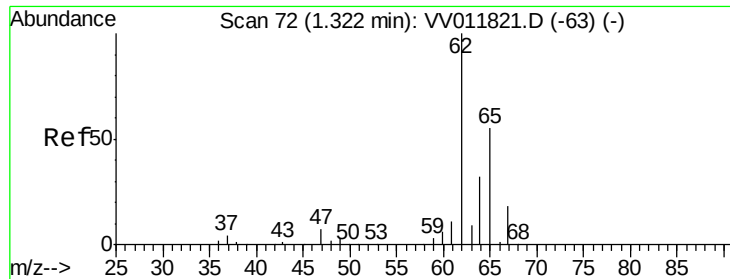
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 5.224 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

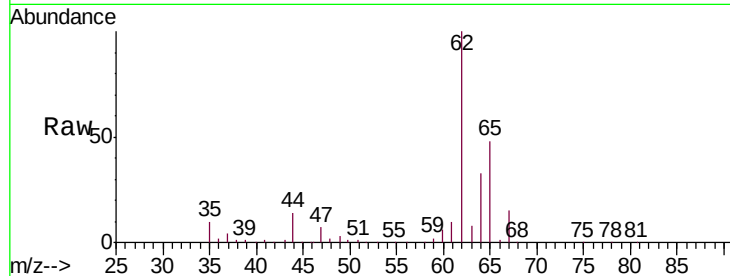
VSTD00557

Tgt Ion: 62 Resp: 84172

Ion Ratio Lower Upper

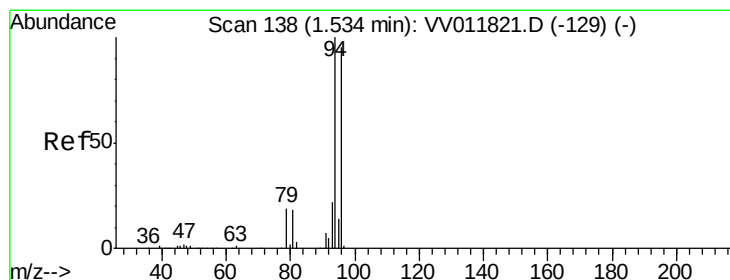
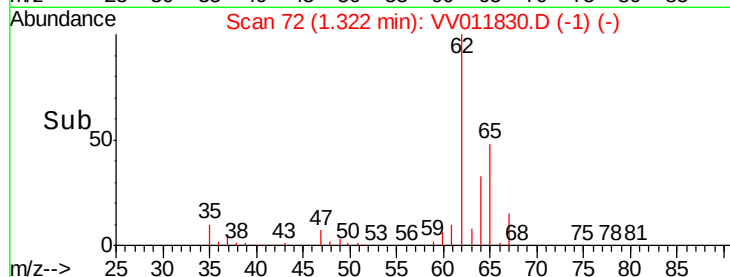
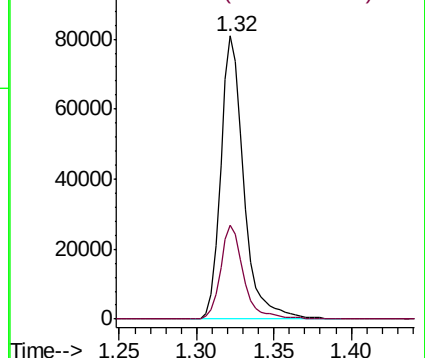
62 100

64 33.0 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.240 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV011830.D

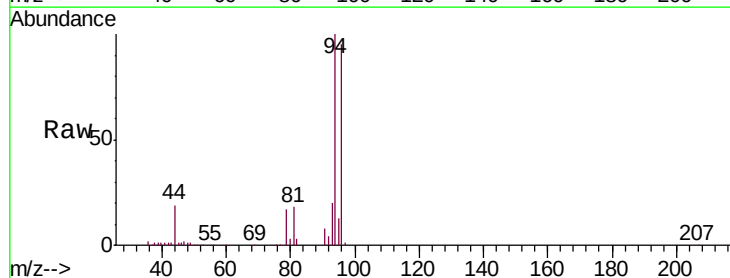
Acq: 03 Jul 2019 15:43

Tgt Ion: 94 Resp: 44271

Ion Ratio Lower Upper

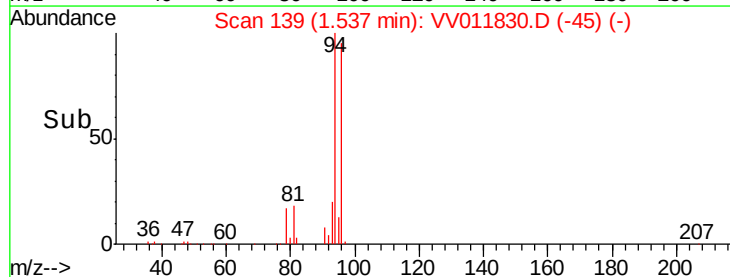
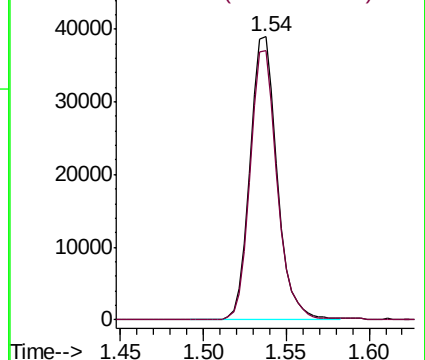
94 100

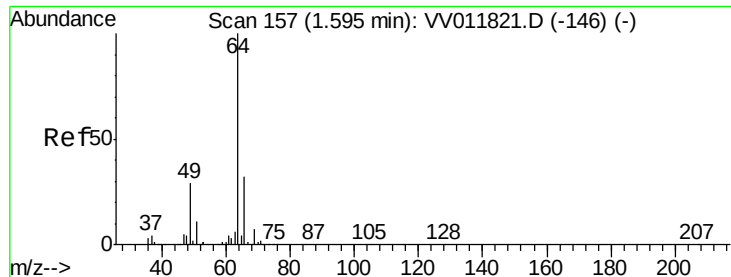
96 95.3 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

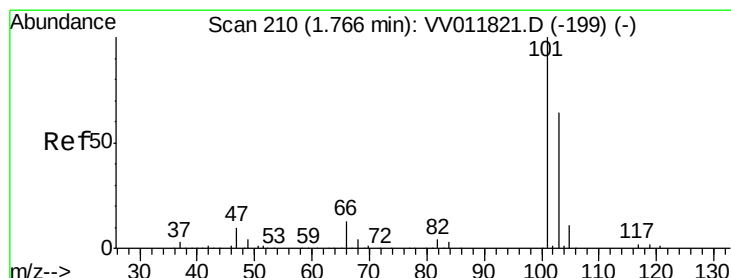
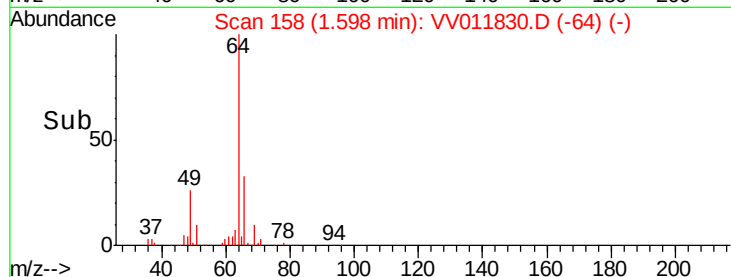
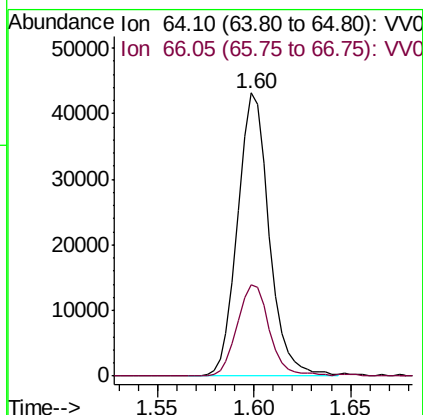
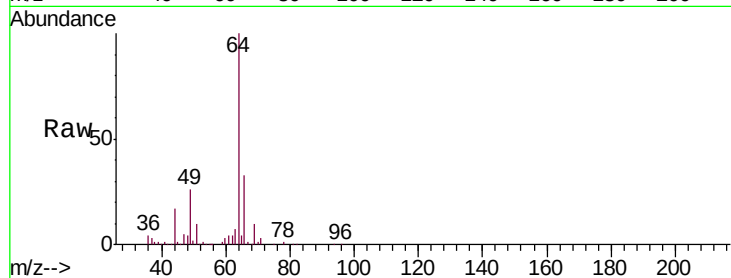




#8
Chloroethane
Concen: 5.340 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV011830.D
Acq: 03 Jul 2019 15:43

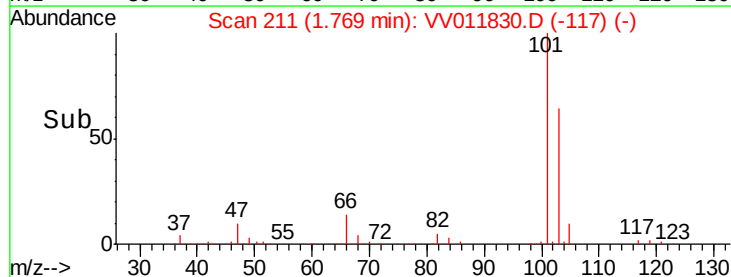
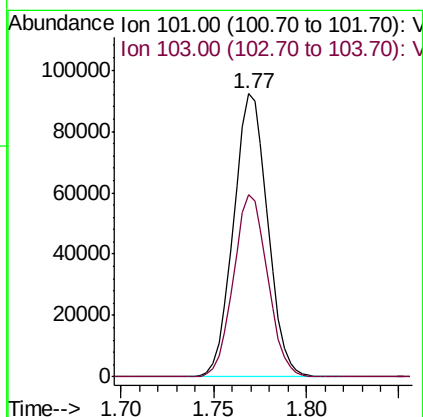
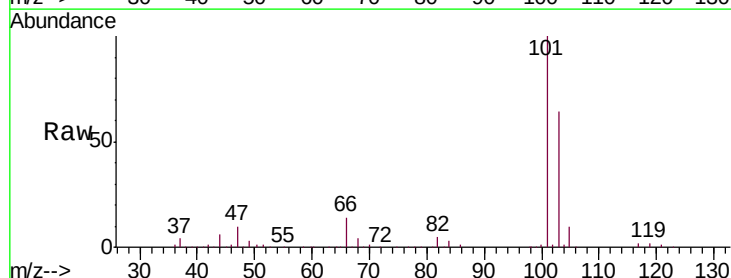
Instrument :
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VSTD00557

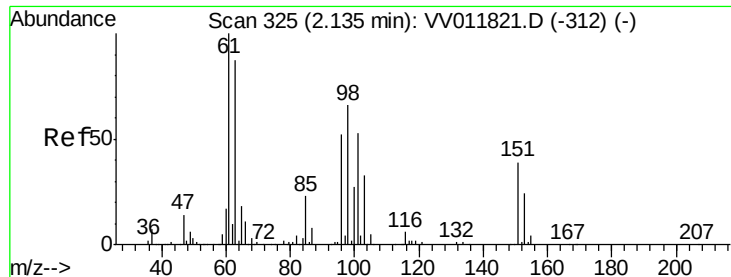
Tgt Ion: 64 Resp: 49118
Ion Ratio Lower Upper
64 100
66 32.5 21.8 40.6



#9
Trichlorofluoromethane
Concen: 5.559 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV011830.D
Acq: 03 Jul 2019 15:43

Tgt Ion: 101 Resp: 117892
Ion Ratio Lower Upper
101 100
103 64.6 52.0 78.0





#10

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

Concen: 5.557 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

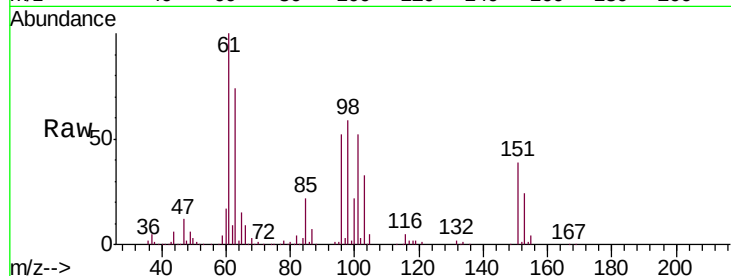
Tgt Ion:101 Resp: 65698

Ion Ratio Lower Upper

101 100

85 43.7 34.8 52.2

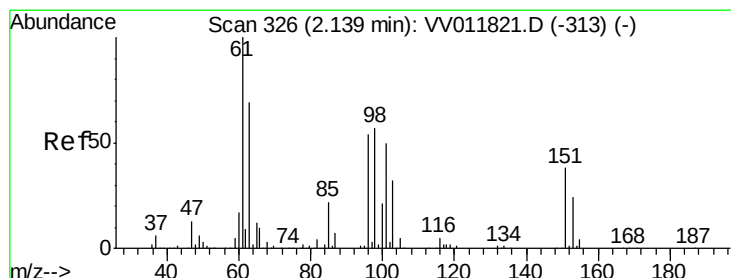
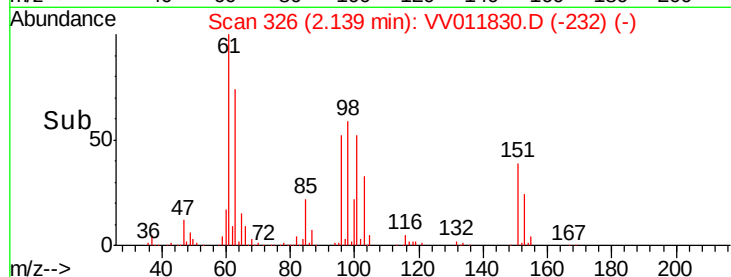
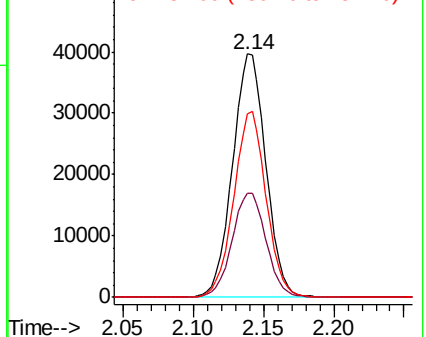
151 74.2 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.383 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

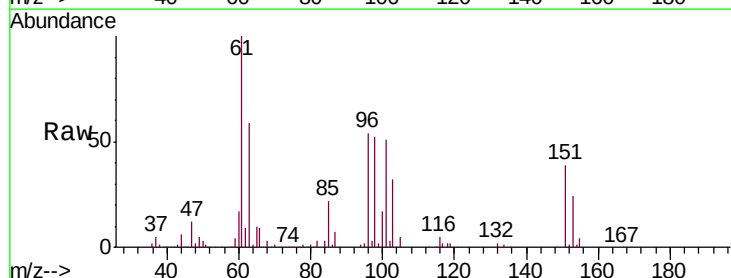
Tgt Ion: 96 Resp: 58775

Ion Ratio Lower Upper

96 100

61 186.3 137.1 254.5

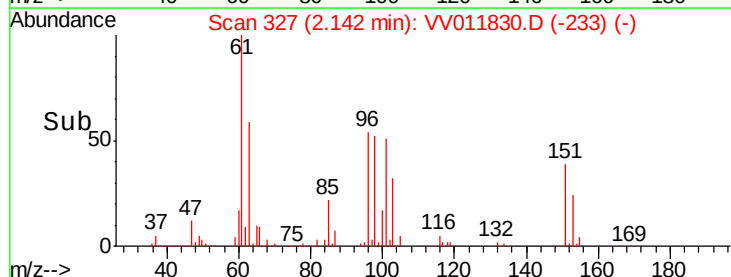
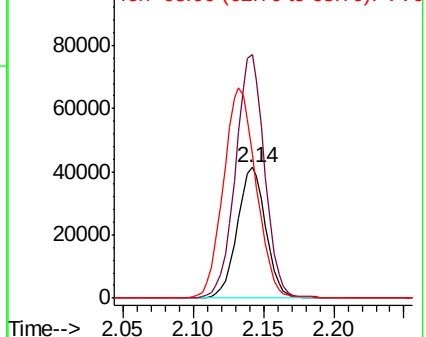
63 110.3 96.5 179.1

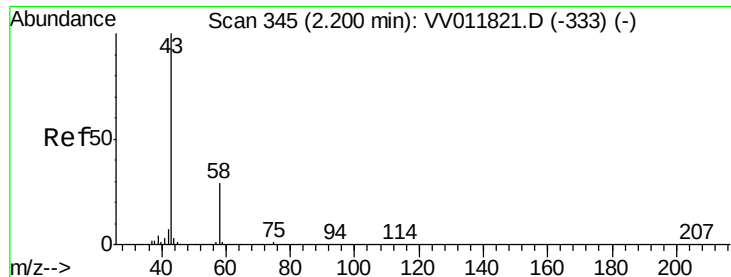


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.842 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

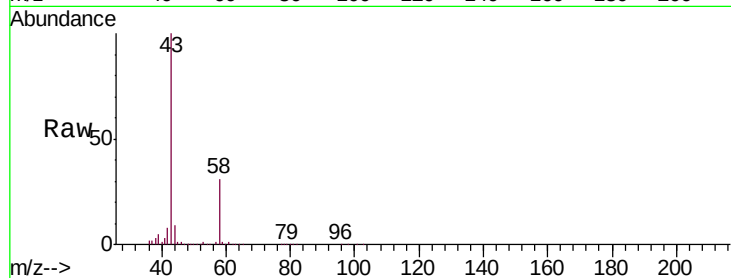
VSTD00557

Tgt Ion: 43 Resp: 104424

Ion Ratio Lower Upper

43 100

58 30.1 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VV011821.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV011821.D (-333) (-)

2.20

60000

50000

40000

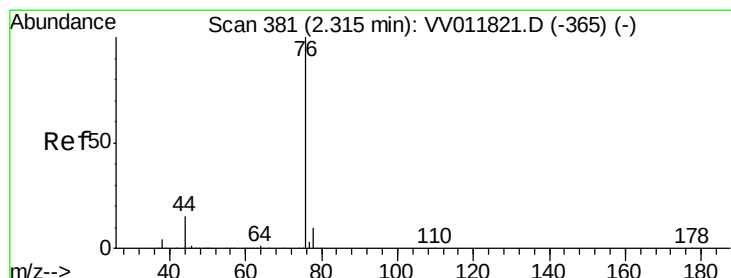
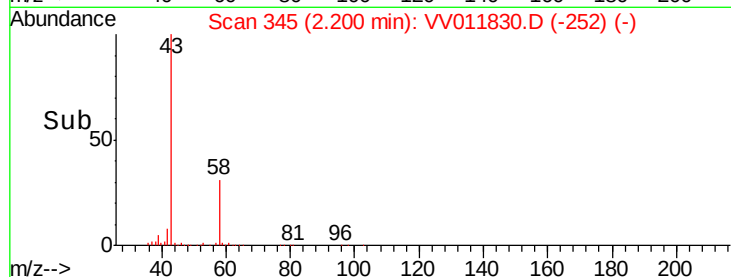
30000

20000

10000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 5.147 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV011830.D

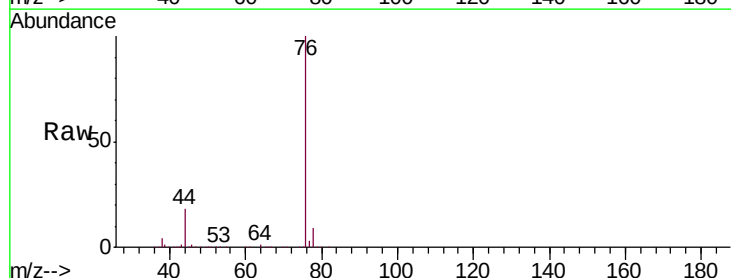
Acq: 03 Jul 2019 15:43

Tgt Ion: 76 Resp: 151092

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV011821.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV011821.D (-365) (-)

2.32

120000

100000

80000

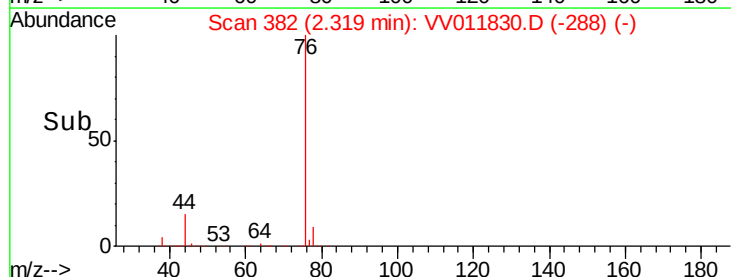
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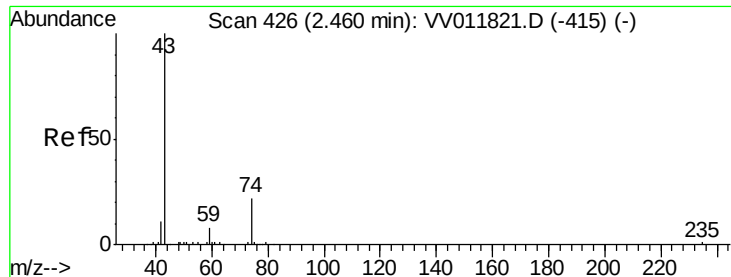
40000

20000

0

Time--> 2.25 2.30 2.35 2.40

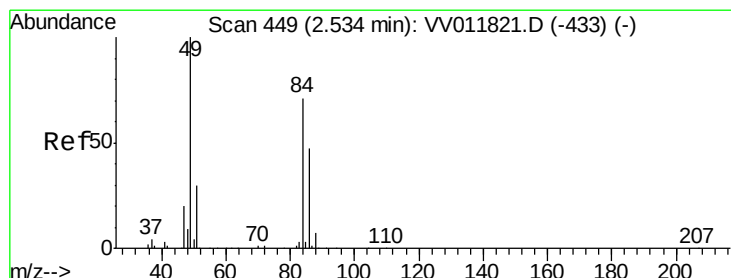
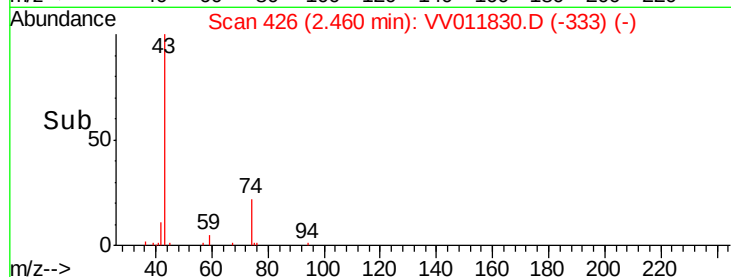
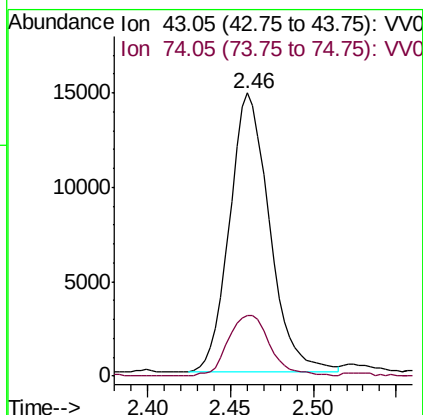
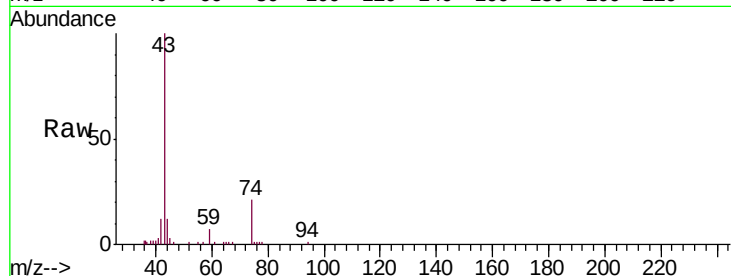




#15
Methyl Acetate
Concen: 4.354 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV011830.D
Acq: 03 Jul 2019 15:43

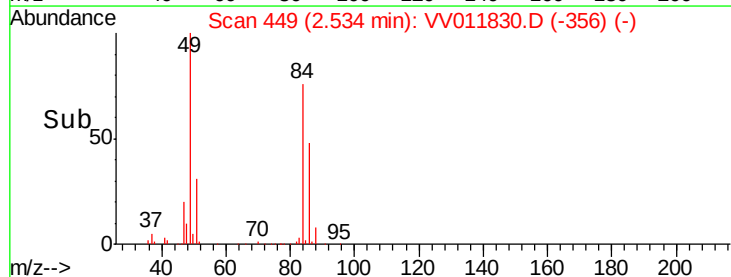
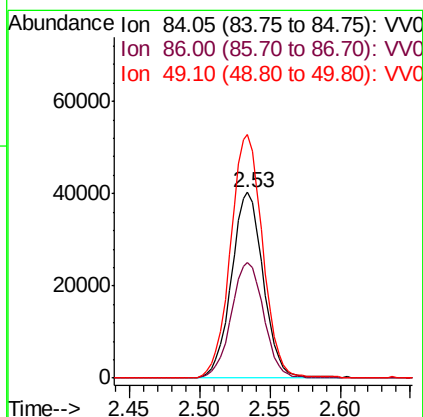
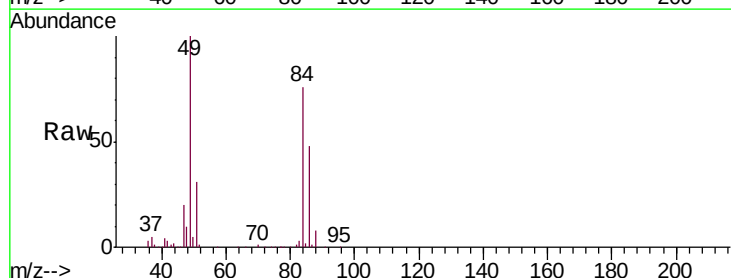
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

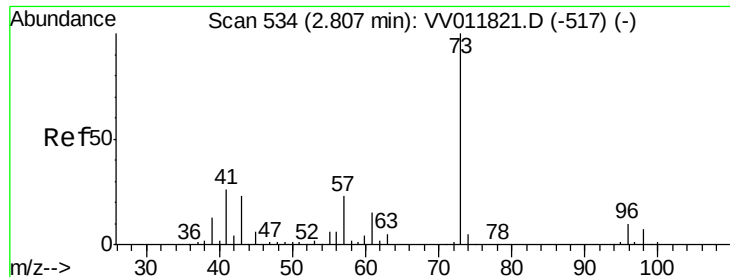
Tgt Ion: 43 Resp: 24857
Ion Ratio Lower Upper
43 100
74 23.0 20.2 30.4



#16
Methylene chloride
Concen: 4.891 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV011830.D
Acq: 03 Jul 2019 15:43

Tgt Ion: 84 Resp: 63851
Ion Ratio Lower Upper
84 100
86 62.4 44.5 82.7
49 131.3 97.2 180.6





#17

Methyl tert-butyl Ether

Concen: 5.713 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

Instrument :

MSVOA_V

ClientSampled :

VSTD00557

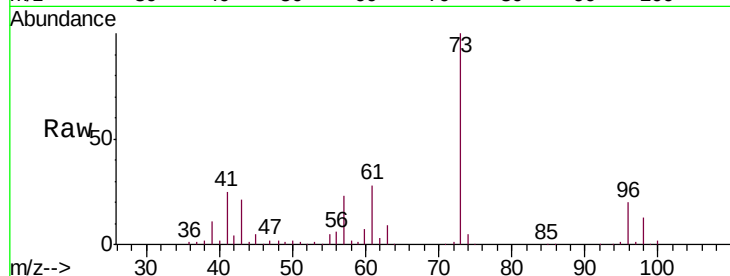
Tgt Ion: 73 Resp: 162457

Ion Ratio Lower Upper

73 100

43 21.2 17.6 26.4

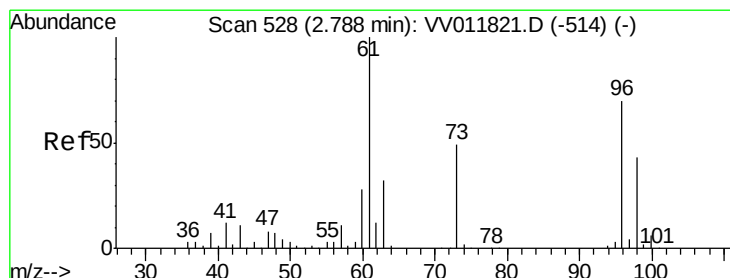
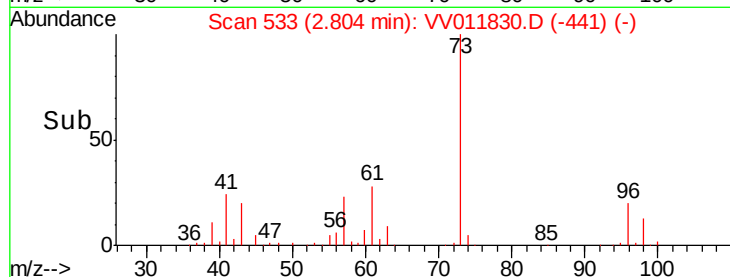
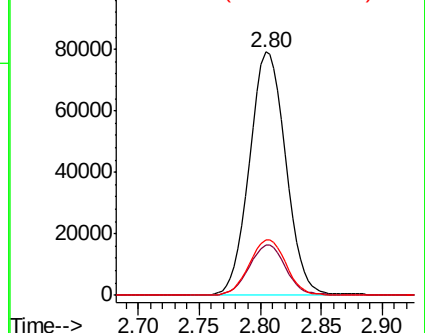
57 23.3 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 6.043 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

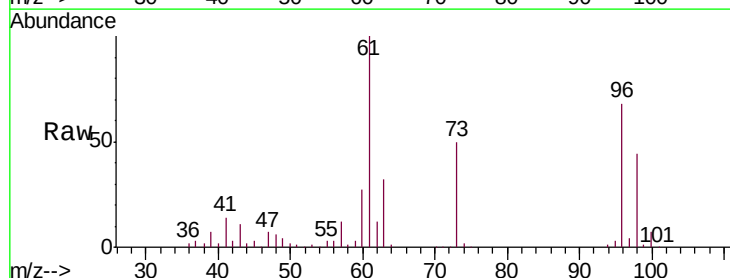
Tgt Ion: 96 Resp: 74705

Ion Ratio Lower Upper

96 100

61 147.7 102.3 189.9

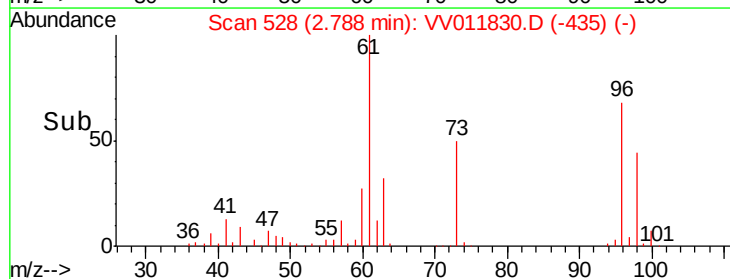
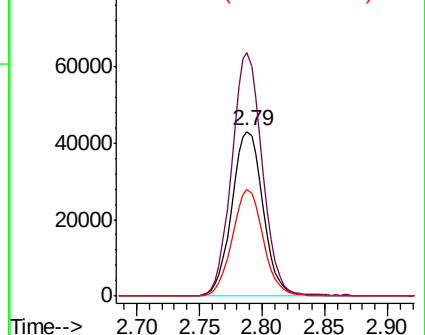
98 64.7 44.2 82.2

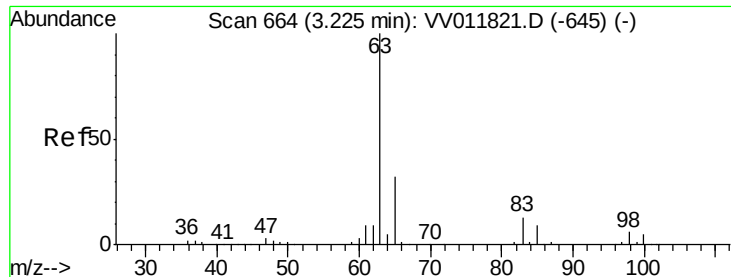


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

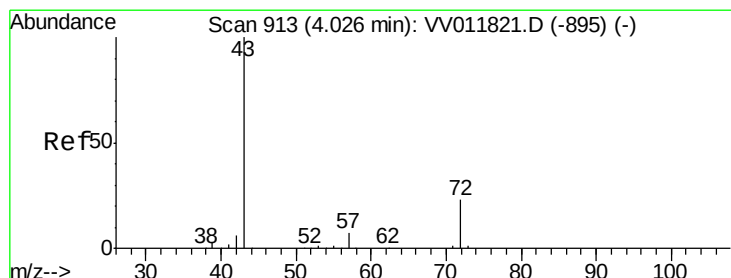
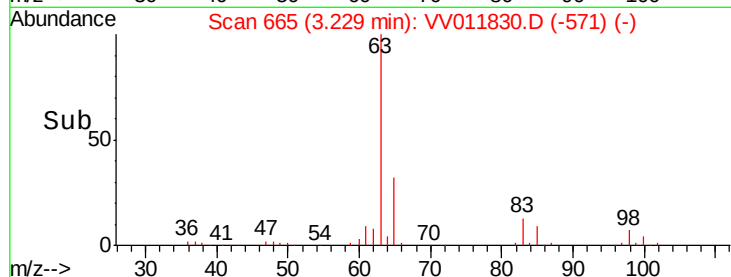
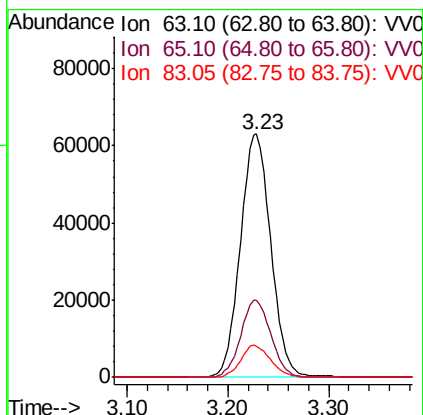
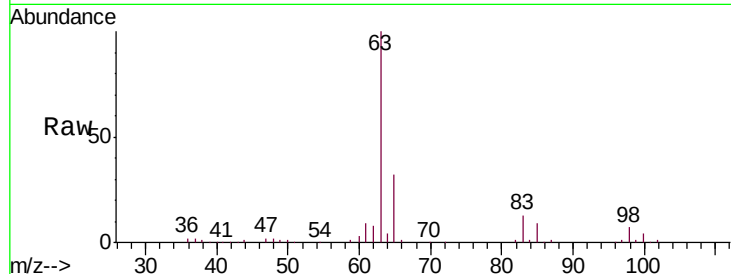




#19
 1,1-Dichloroethane
 Concen: 5.375 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV011830.D
 Acq: 03 Jul 2019 15:43

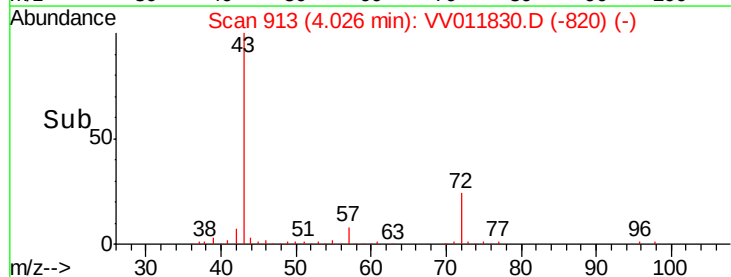
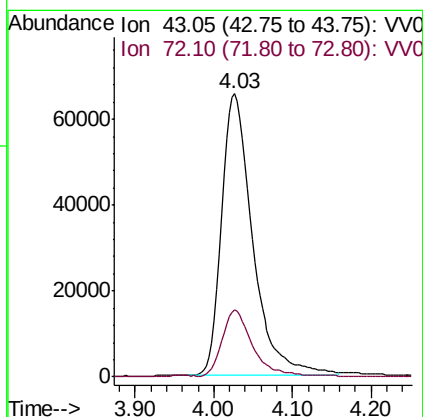
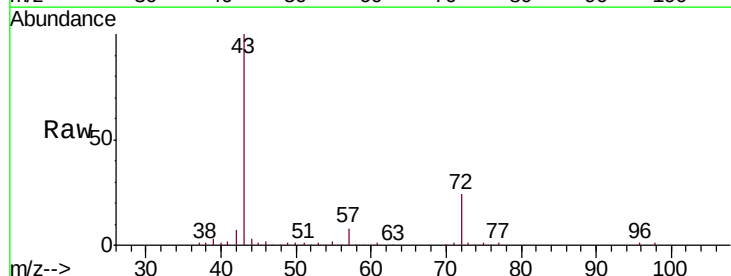
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

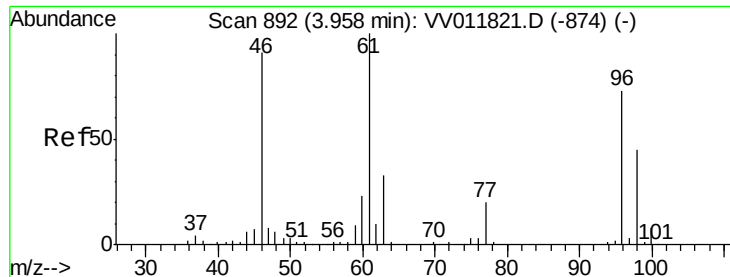
Tgt Ion: 63 Resp: 131659
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.0 41.0
 83 12.8 8.9 16.5



#21
 2-Butanone
 Concen: 53.766 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: VV011830.D
 Acq: 03 Jul 2019 15:43

Tgt Ion: 43 Resp: 180369
 Ion Ratio Lower Upper
 43 100
 72 23.6 12.1 36.3



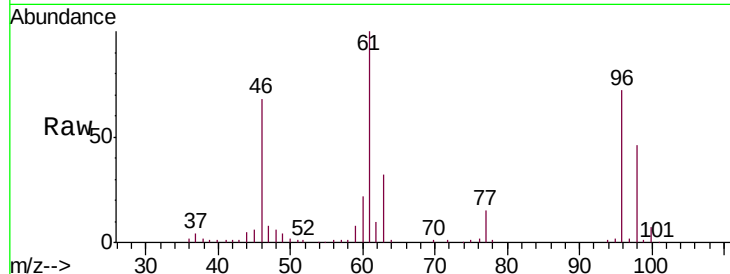


#22

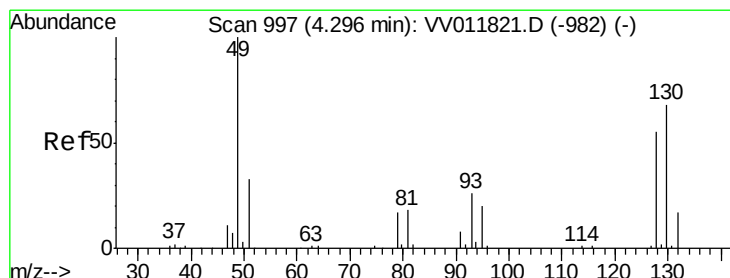
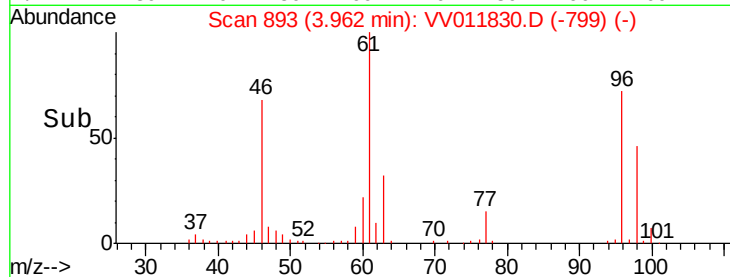
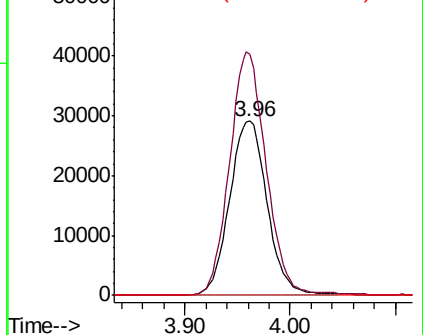
cis-1,2-Dichloroethene
Concen: 5.446 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV011830.D
Acq: 03 Jul 2019 15:43

Instrument :
MSVOA_V
ClientSampled :
VSTD00557

Tgt Ion: 96 Resp: 71852
Ion Ratio Lower Upper
96 100
61 138.4 97.1 180.3
68 0.0 0.0 0.0



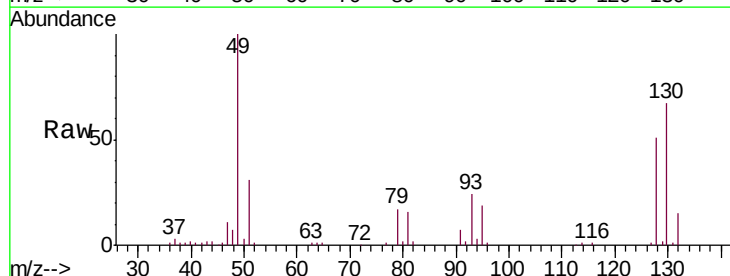
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



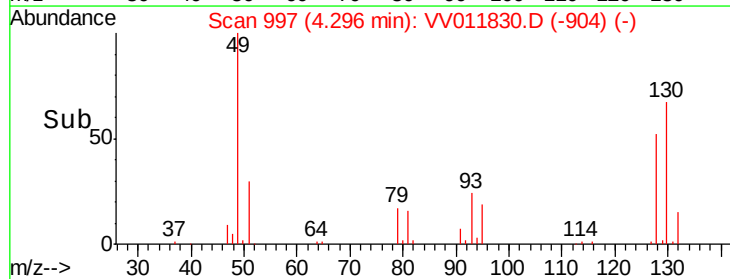
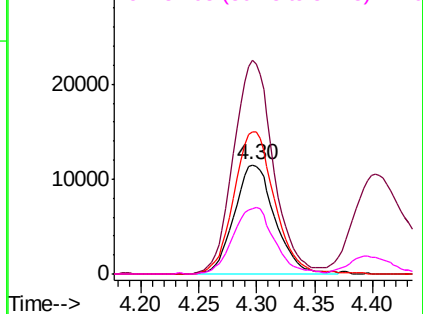
#23

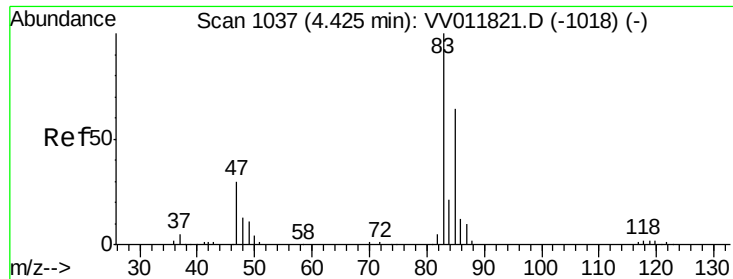
Bromochloromethane
Concen: 5.123 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV011830.D
Acq: 03 Jul 2019 15:43

Tgt Ion: 128 Resp: 28084
Ion Ratio Lower Upper
128 100
49 195.1 125.6 233.2
130 130.3 87.7 162.9
51 59.8 46.7 70.1



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

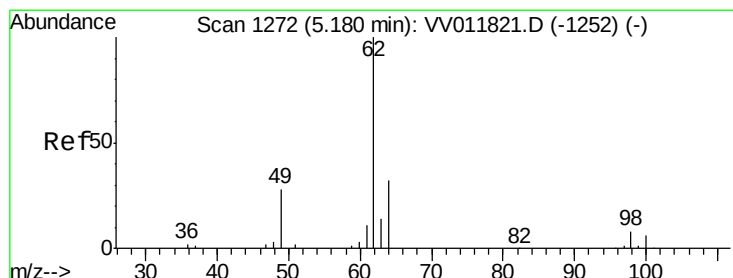
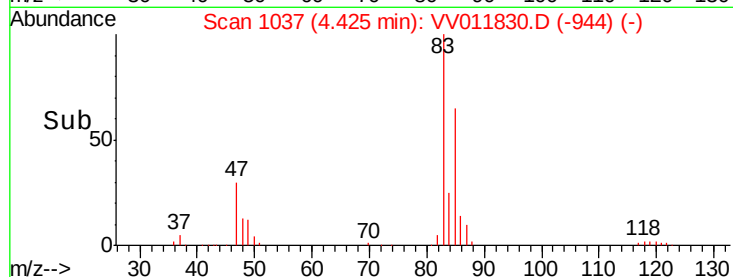
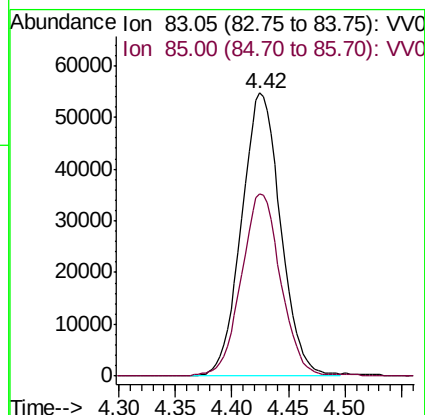
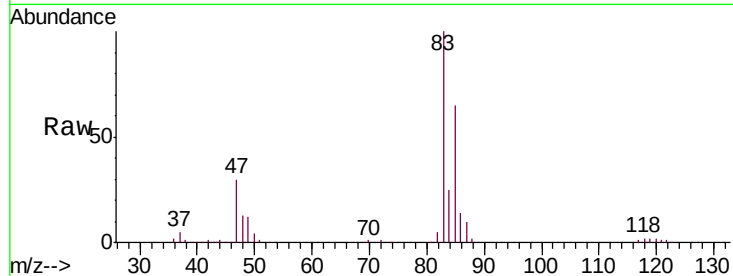




#25
Chloroform
Concen: 5.007 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011830.D
Acq: 03 Jul 2019 15:43

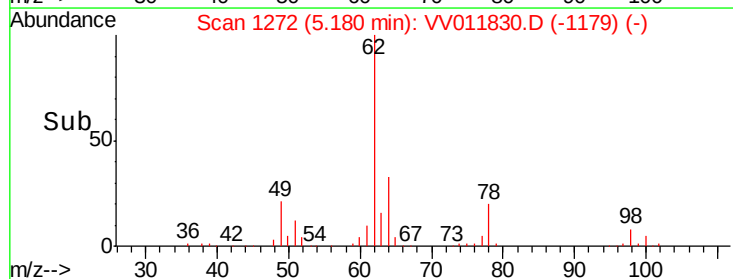
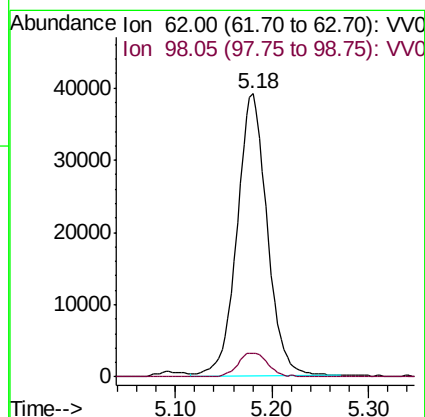
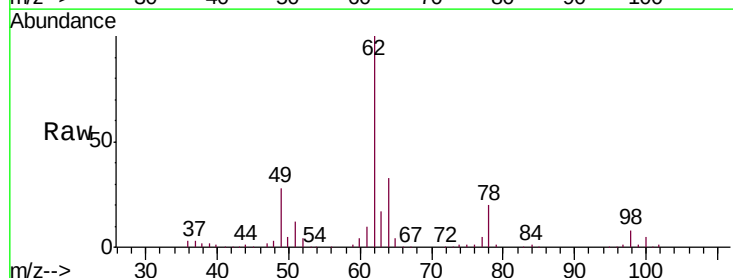
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

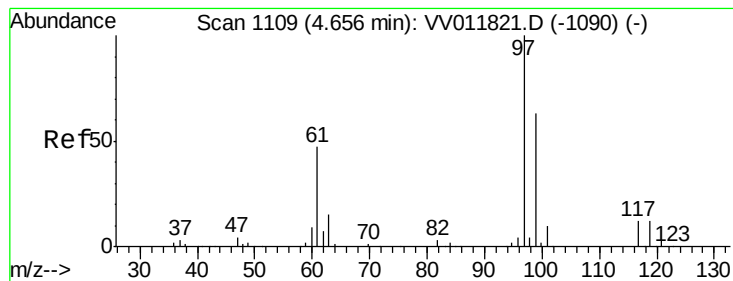
Tgt Ion: 83 Resp: 131449
Ion Ratio Lower Upper
83 100
85 64.5 45.9 85.3



#27
1,2-Dichloroethane
Concen: 5.218 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011830.D
Acq: 03 Jul 2019 15:43

Tgt Ion: 62 Resp: 84619
Ion Ratio Lower Upper
62 100
98 8.3 6.6 9.8





#29

1,1,1-Trichloroethane

Concen: 5.331 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

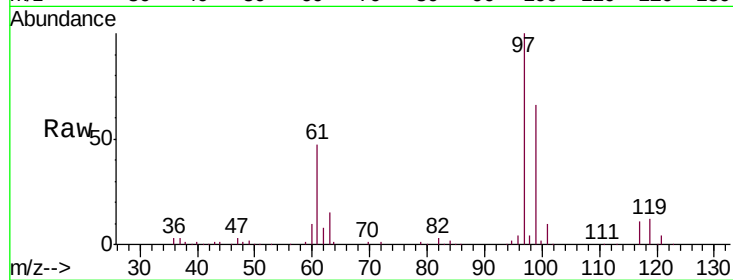
Tgt Ion: 97 Resp: 109173

Ion Ratio Lower Upper

97 100

99 65.0 52.2 78.4

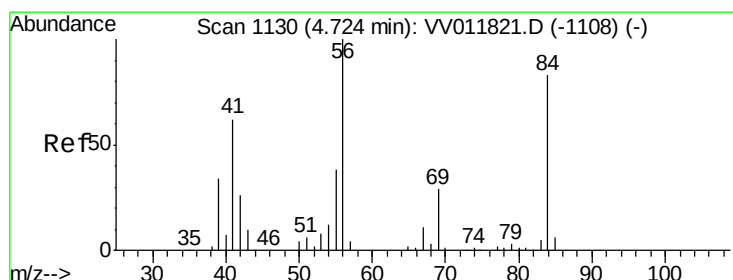
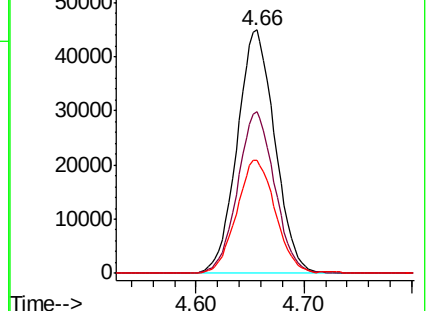
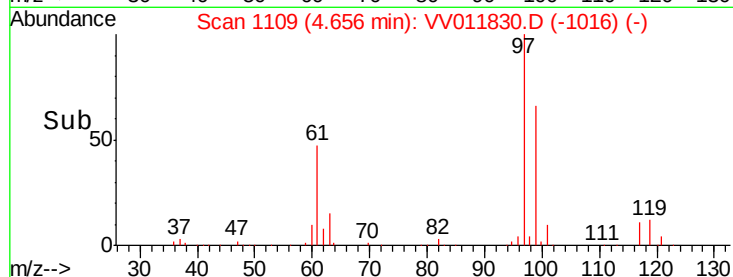
61 47.6 38.5 57.7



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.307 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

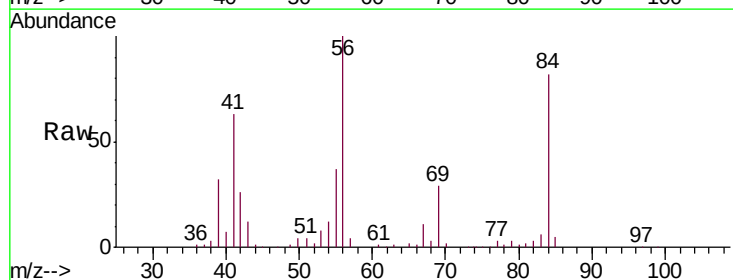
Tgt Ion: 56 Resp: 116003

Ion Ratio Lower Upper

56 100

69 30.2 23.5 35.3

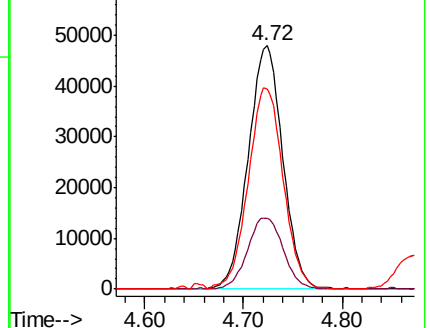
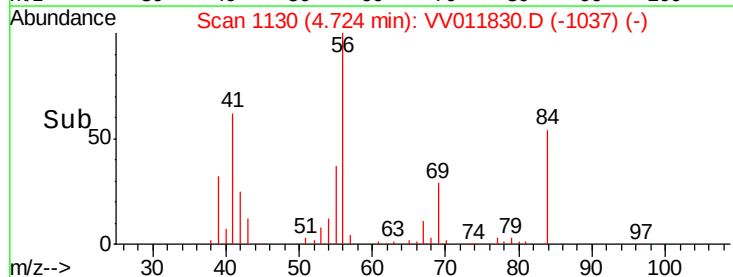
84 83.6 67.6 101.4

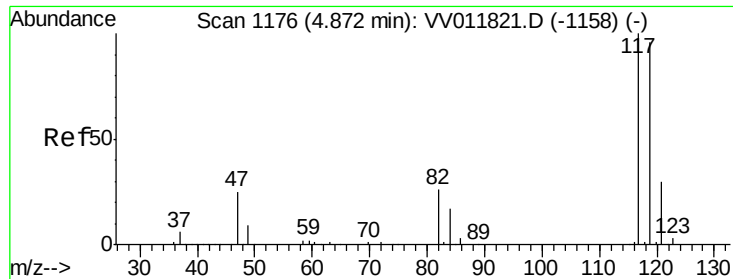


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.415 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

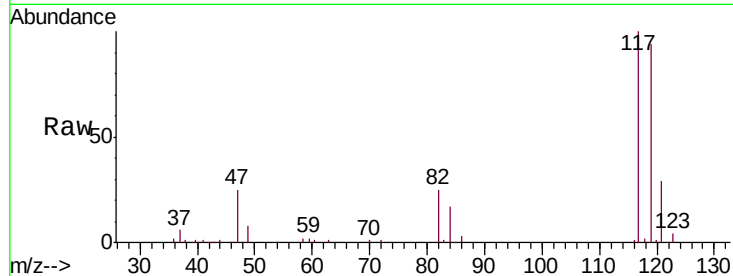
VSTD00557

Tgt Ion:117 Resp: 95122

Ion Ratio Lower Upper

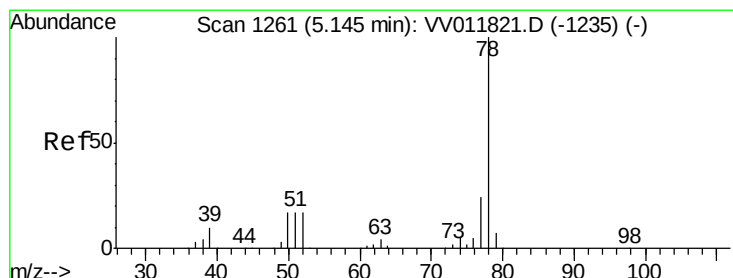
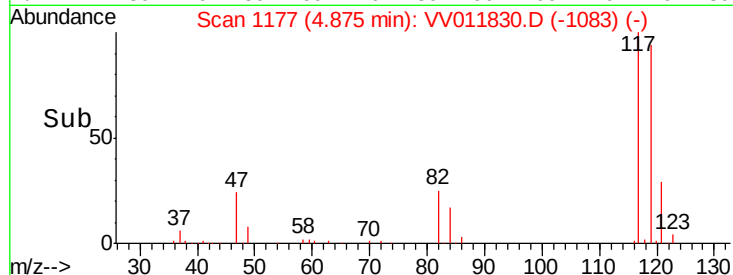
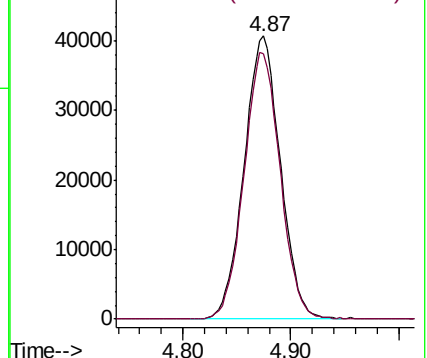
117 100

119 93.9 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.395 ug/L

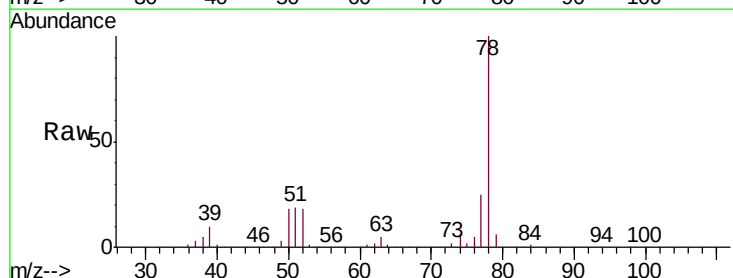
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

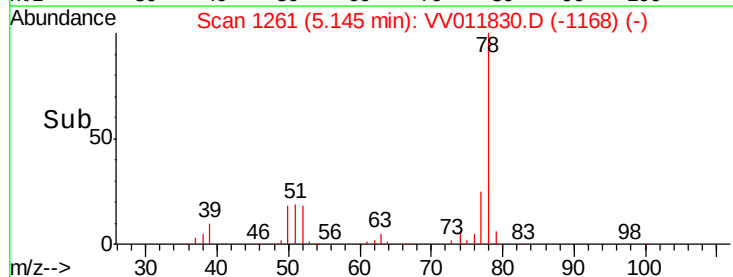
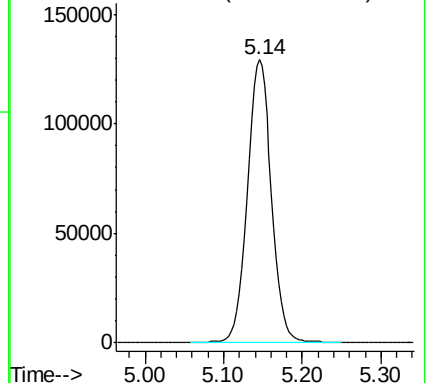
Lab File: VV011830.D

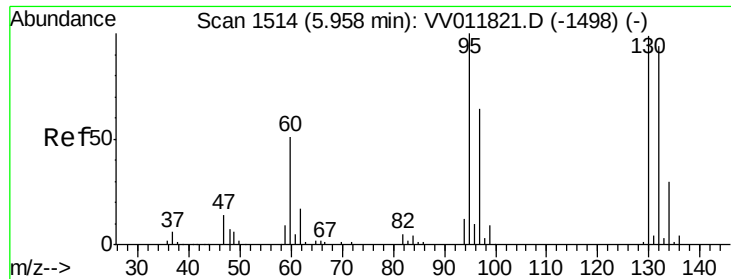
Acq: 03 Jul 2019 15:43

Tgt Ion: 78 Resp: 280241



Abundance Ion 78.10 (77.80 to 78.80): VV0

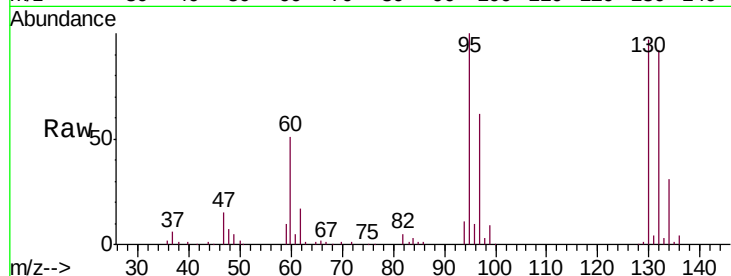




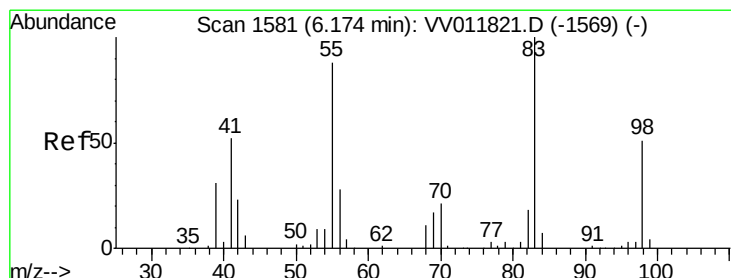
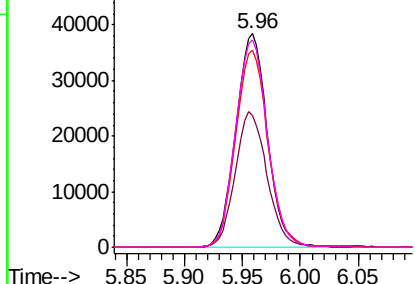
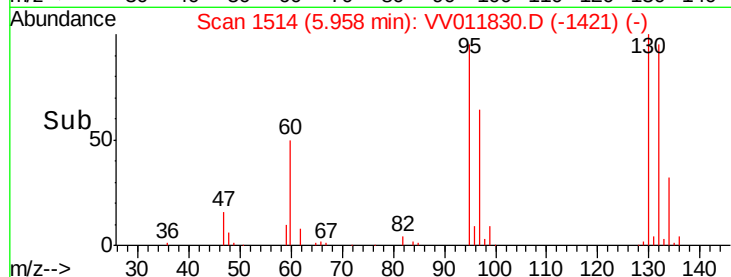
#34
 Trichloroethene
 Concen: 5.407 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV011830.D
 Acq: 03 Jul 2019 15:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

Tgt Ion: 95 Resp: 73076
 Ion Ratio Lower Upper
 95 100
 97 61.8 43.7 81.1
 132 92.1 63.7 118.3
 130 97.0 67.1 124.7

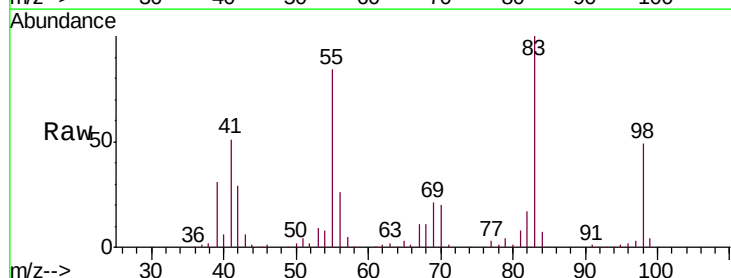


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

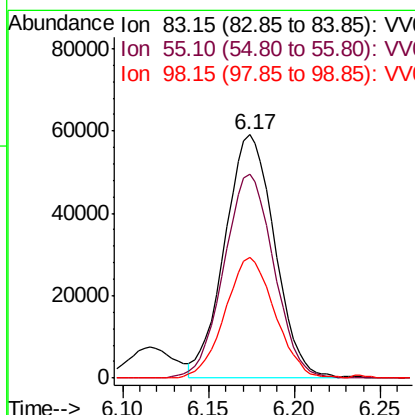
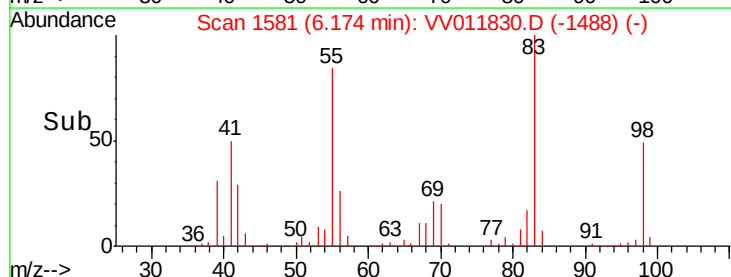


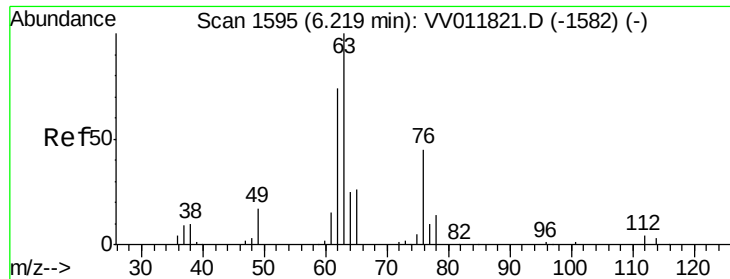
#35
 Methylcyclohexane
 Concen: 5.389 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV011830.D
 Acq: 03 Jul 2019 15:43

Tgt Ion: 83 Resp: 119185
 Ion Ratio Lower Upper
 83 100
 55 83.3 67.8 101.6
 98 49.3 39.8 59.8



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

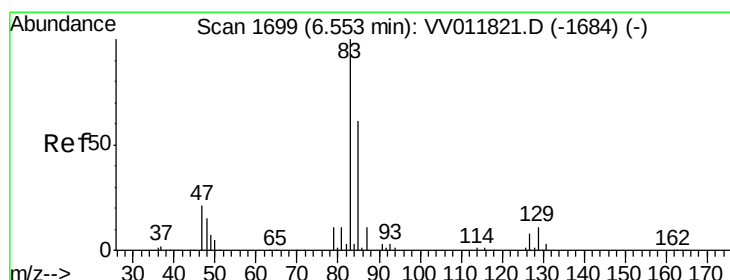
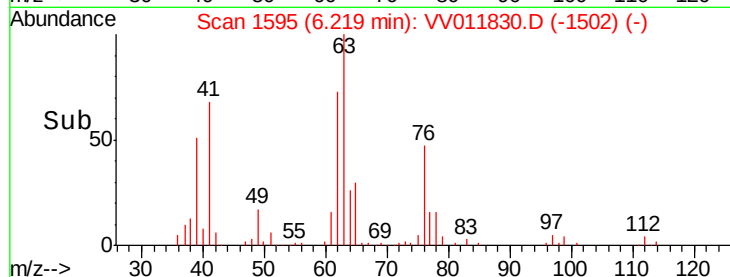
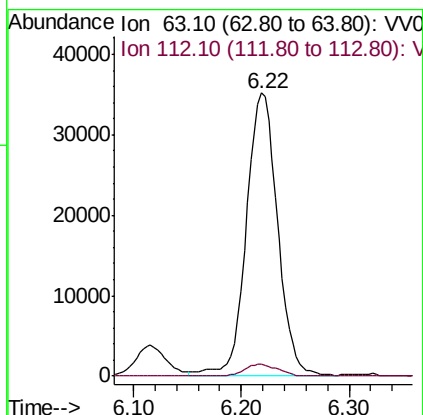
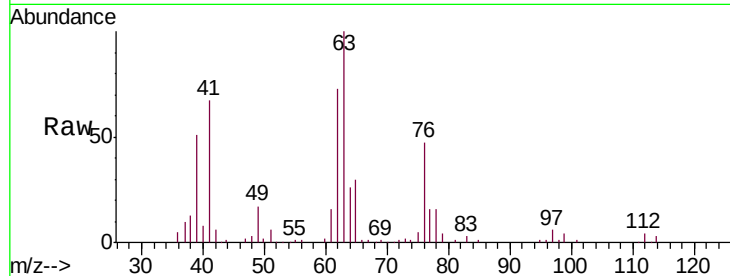




#37
 1,2-Dichloropropane
 Concen: 5.347 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV011830.D
 Acq: 03 Jul 2019 15:43

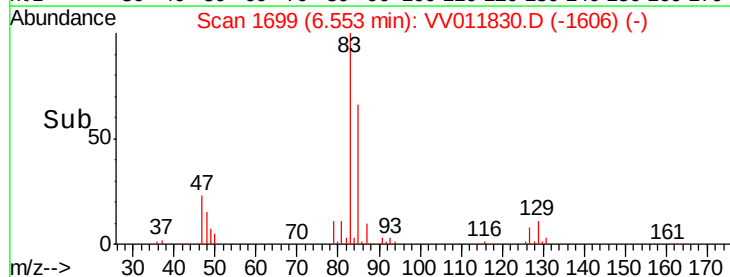
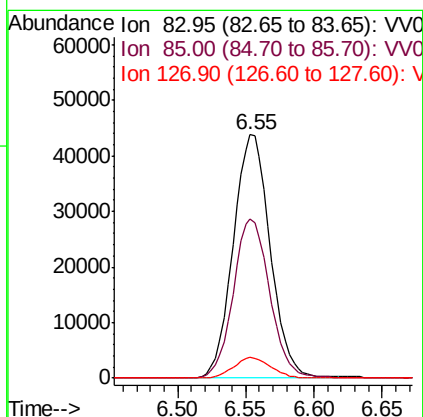
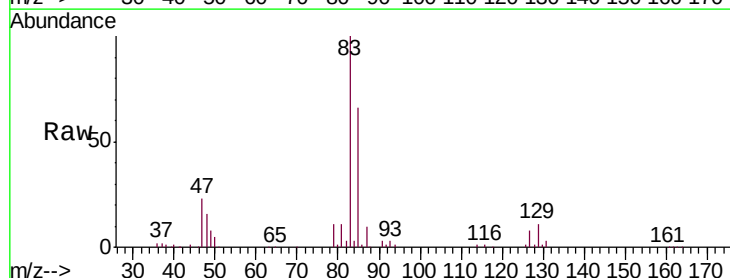
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

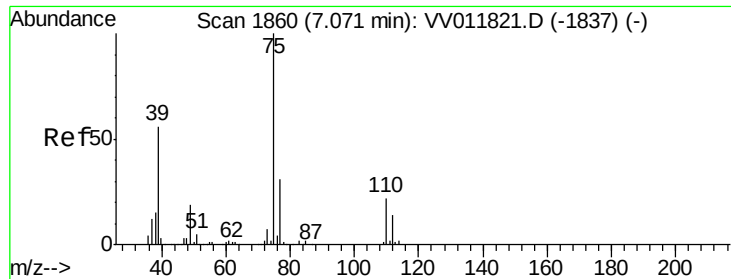
Tgt Ion: 63 Resp: 71130
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.326 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV011830.D
 Acq: 03 Jul 2019 15:43

Tgt Ion: 83 Resp: 82596
 Ion Ratio Lower Upper
 83 100
 85 65.6 43.1 80.1
 127 8.4 6.2 9.4

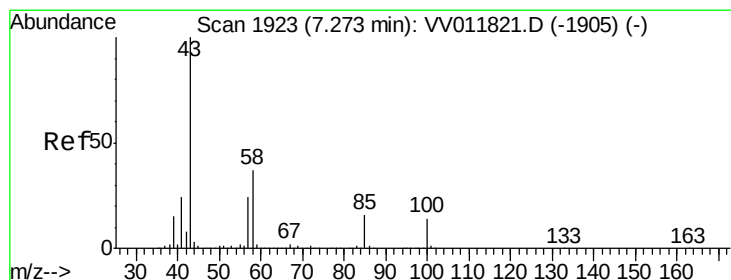
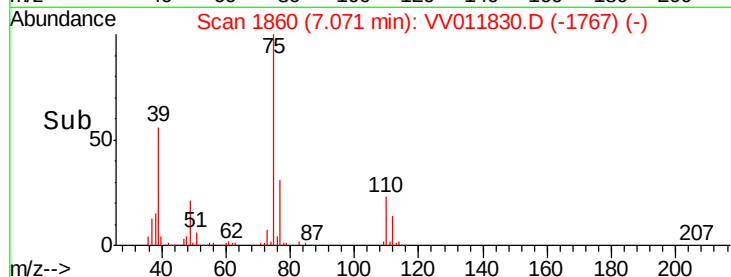
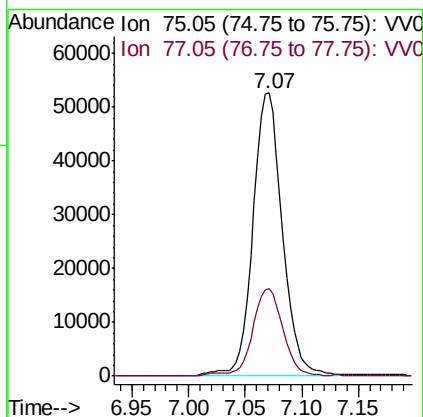
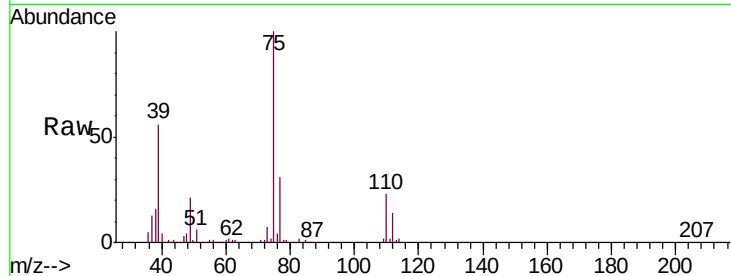




#39
 cis-1,3-Dichloropropene
 Concen: 5.393 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011830.D
 Acq: 03 Jul 2019 15:43

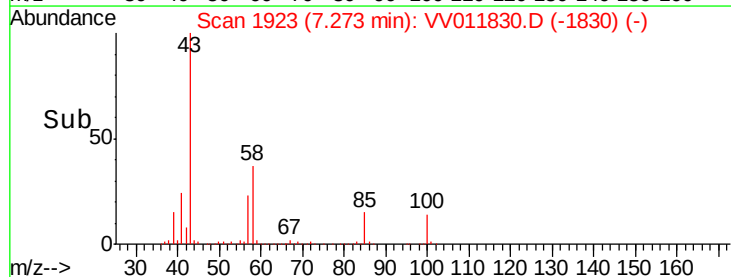
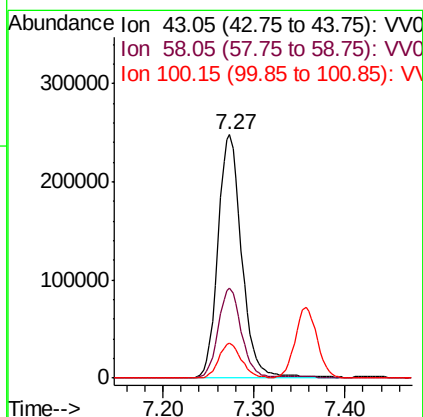
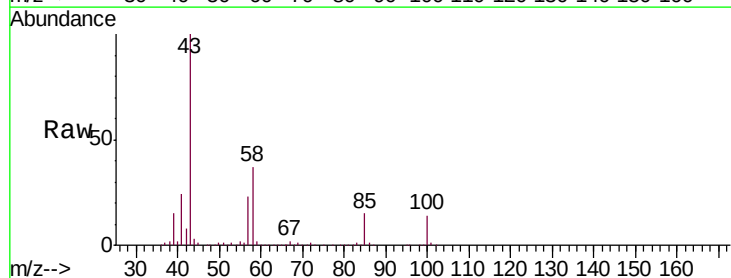
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

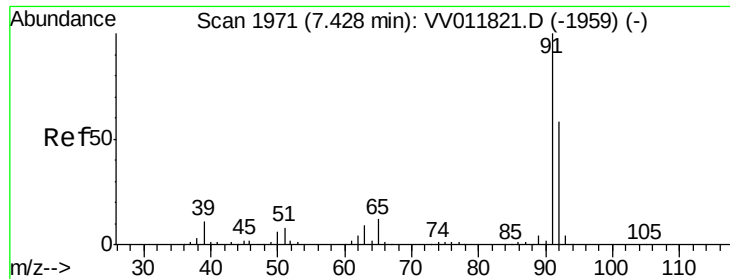
Tgt Ion: 75 Resp: 95688
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 54.613 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV011830.D
 Acq: 03 Jul 2019 15:43

Tgt Ion: 43 Resp: 449800
 Ion Ratio Lower Upper
 43 100
 58 36.2 28.7 43.1
 100 13.8 10.7 16.1





#42

Toluene

Concen: 5.490 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

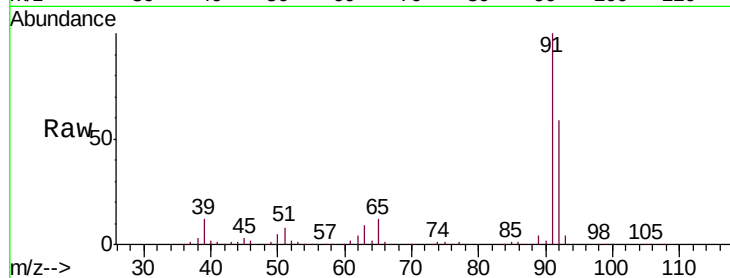
VSTD00557

Tgt Ion: 91 Resp: 301234

Ion Ratio Lower Upper

91 100

92 58.7 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

200000

150000

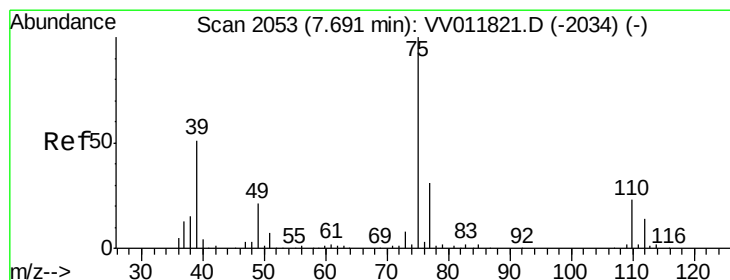
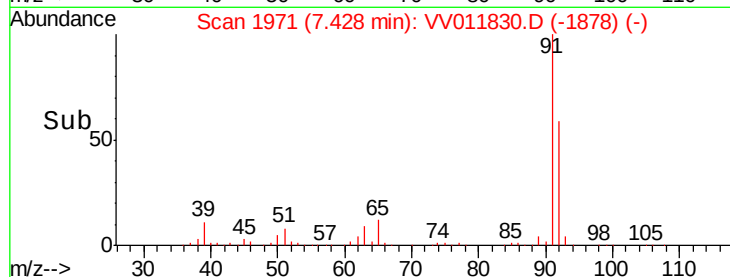
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.532 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV011830.D

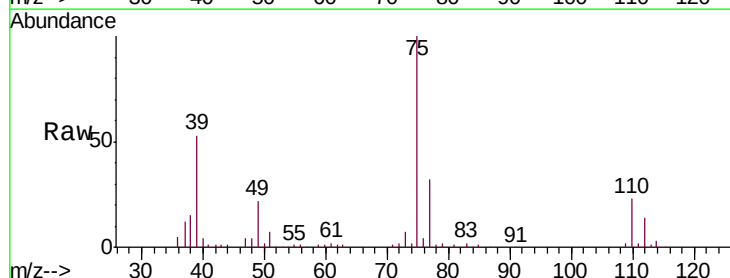
Acq: 03 Jul 2019 15:43

Tgt Ion: 75 Resp: 75745

Ion Ratio Lower Upper

75 100

77 31.8 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

50000

40000

30000

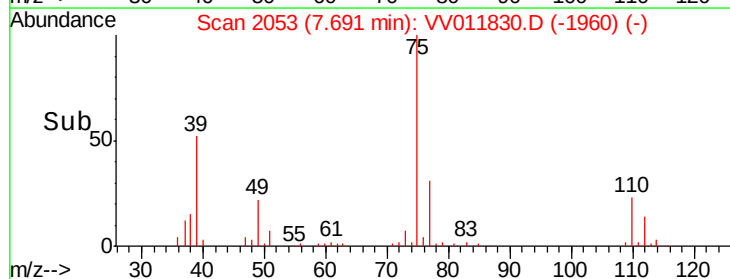
20000

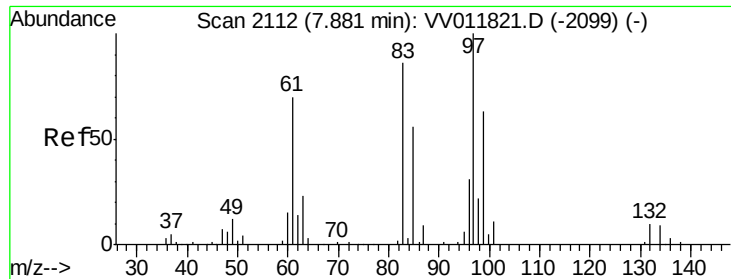
10000

0

7.60 7.70 7.80

Time-->

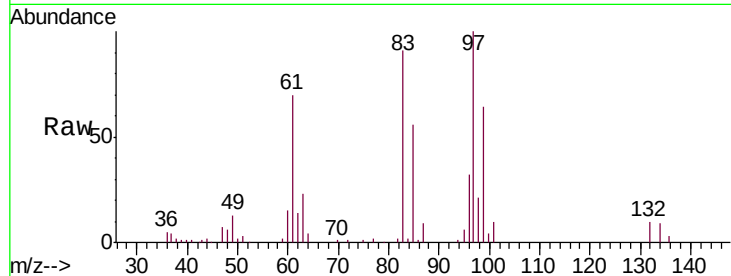




#45
 1,1,2-Trichloroethane
 Concen: 5.344 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV011830.D
 Acq: 03 Jul 2019 15:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

Tgt Ion:	97	Resp:	45607
Ion	Ratio	Lower	Upper
97	100		
99	63.9	44.9	83.5
83	91.1	59.6	110.8
85	55.9	40.1	74.5



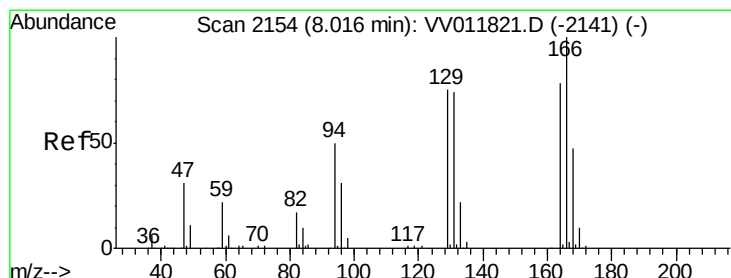
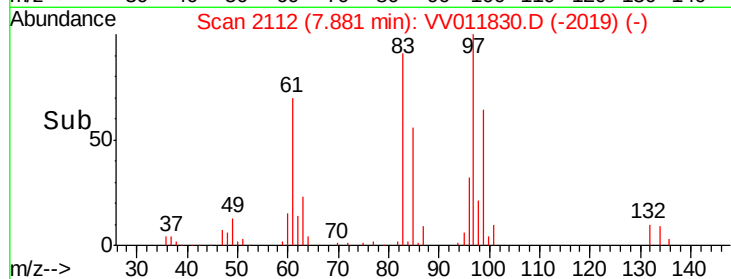
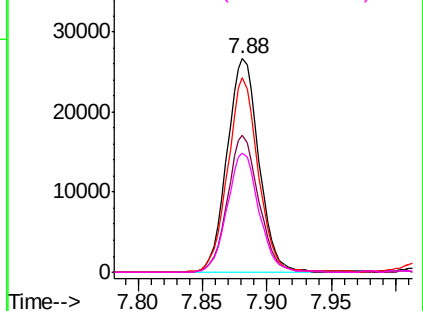
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

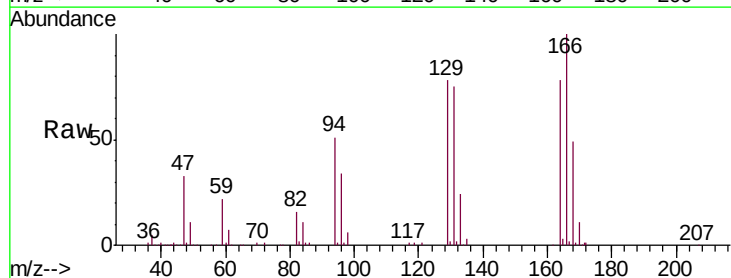
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.402 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011830.D
 Acq: 03 Jul 2019 15:43

Tgt Ion:	164	Resp:	57449
Ion	Ratio	Lower	Upper
164	100		
129	99.5	65.7	121.9
131	95.7	63.2	117.4
166	128.2	85.8	159.3



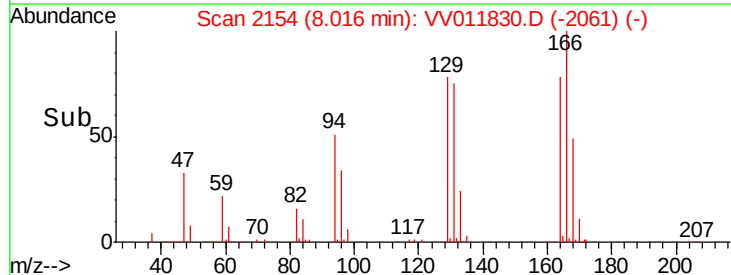
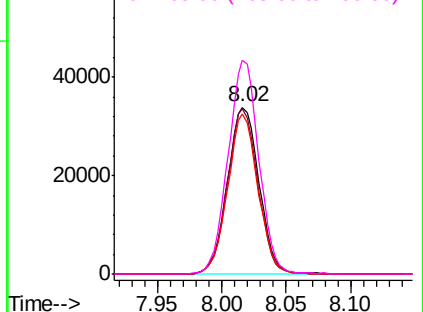
Abundance

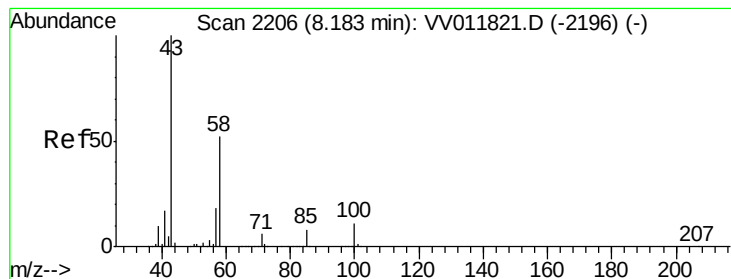
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 54.694 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

Tgt Ion: 43 Resp: 317990

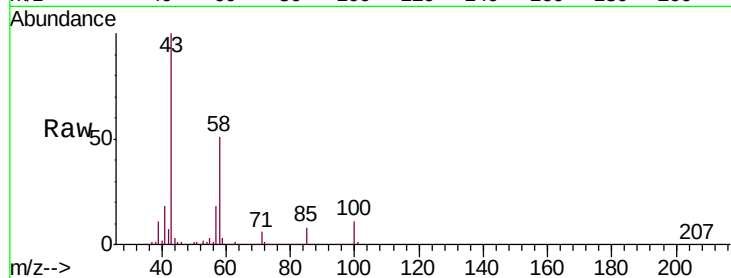
Ion Ratio Lower Upper

43 100

58 52.4 40.9 61.3

57 18.6 14.3 21.5

100 11.0 8.7 13.1

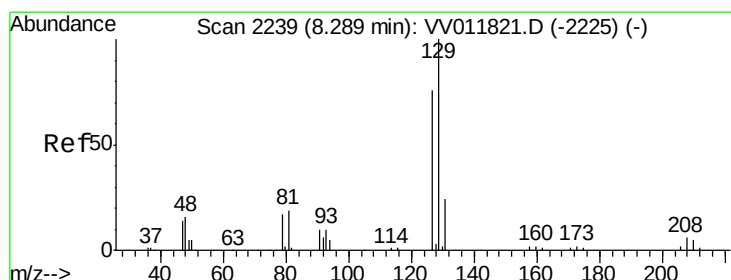
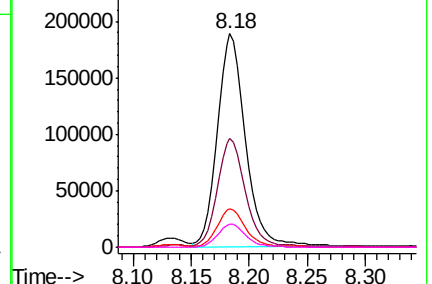
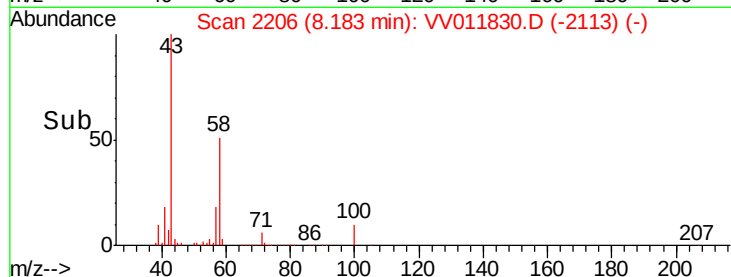


Abundance Ion 43.05 (42.75 to 43.75): VV011830.D (-2113) (-)

Ion 58.05 (57.75 to 58.75): VV011830.D (-2113) (-)

Ion 57.20 (56.90 to 57.90): VV011830.D (-2113) (-)

Ion 100.15 (99.85 to 100.85): VV011830.D (-2113) (-)



#49

Dibromochloromethane

Concen: 5.519 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV011830.D

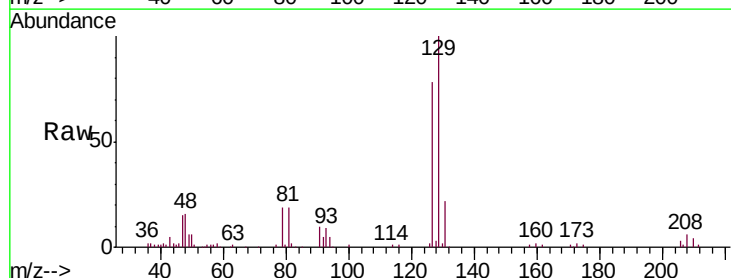
Acq: 03 Jul 2019 15:43

Tgt Ion: 129 Resp: 50004

Ion Ratio Lower Upper

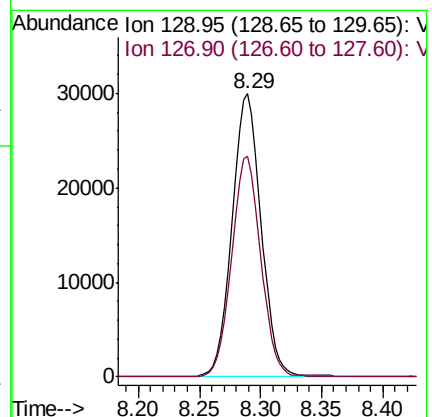
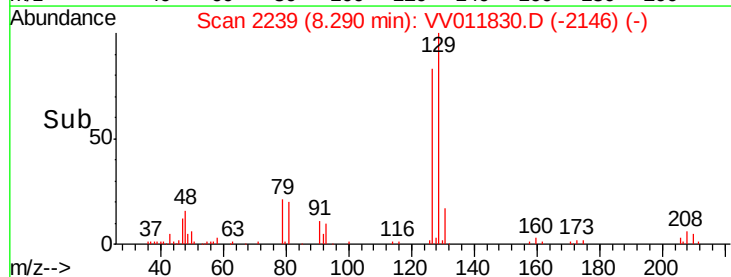
129 100

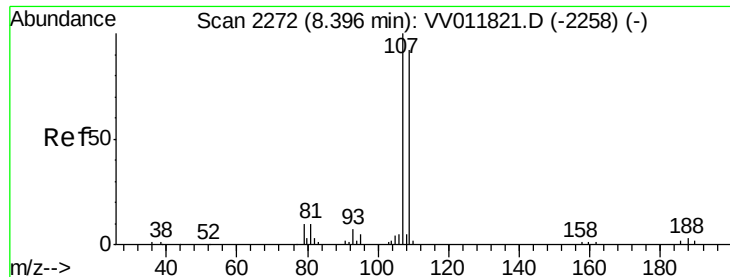
127 78.0 53.9 100.1



Abundance Ion 128.95 (128.65 to 129.65): VV011830.D (-2146) (-)

Ion 126.90 (126.60 to 127.60): VV011830.D (-2146) (-)

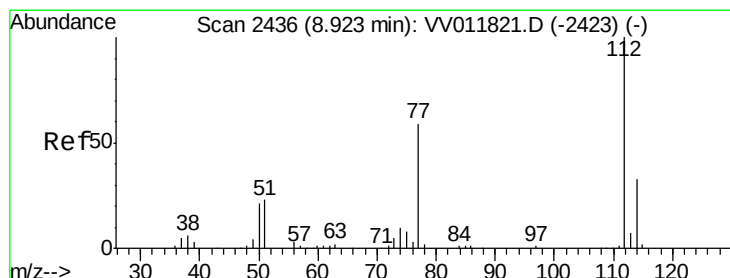
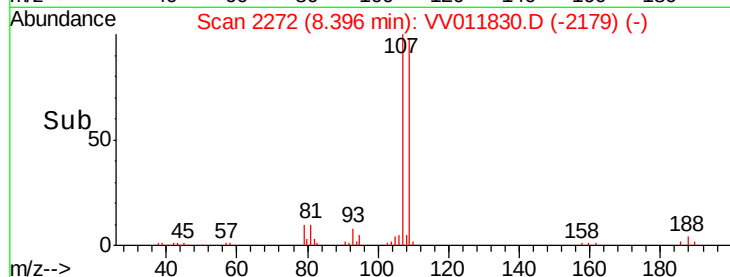
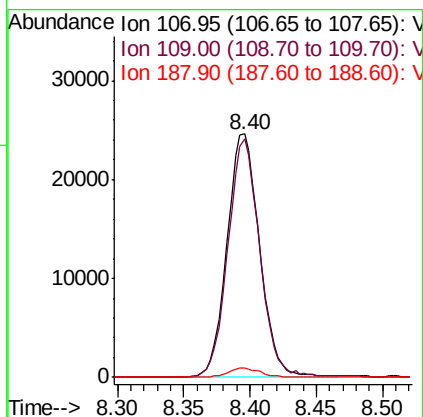
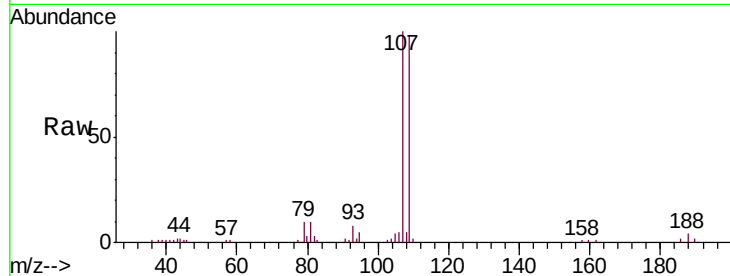




#50
1,2-Dibromoethane
Concen: 5.311 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011830.D
Acq: 03 Jul 2019 15:43

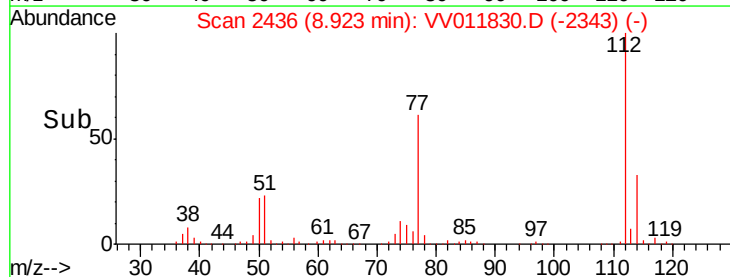
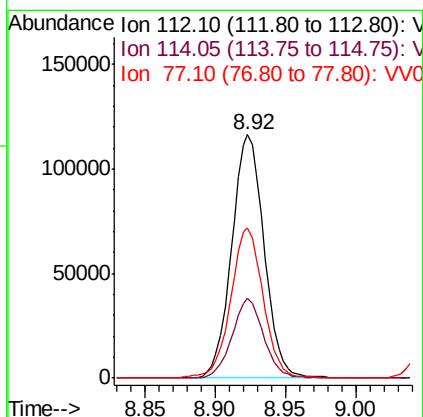
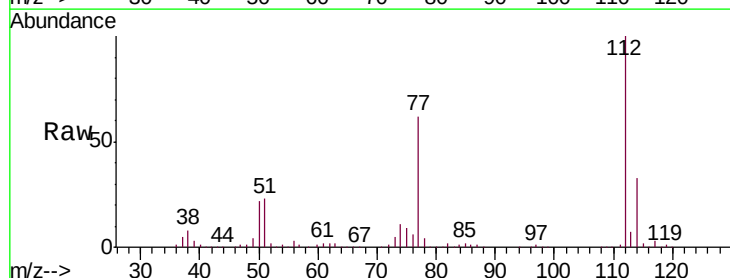
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

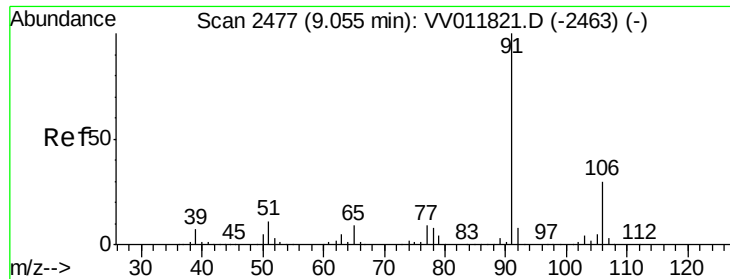
Tgt Ion:107 Resp: 42096
Ion Ratio Lower Upper
107 100
109 97.9 66.8 124.2
188 3.6 3.0 4.6



#51
Chlorobenzene
Concen: 5.406 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011830.D
Acq: 03 Jul 2019 15:43

Tgt Ion:112 Resp: 187315
Ion Ratio Lower Upper
112 100
114 32.7 22.7 42.3
77 61.5 50.3 75.5

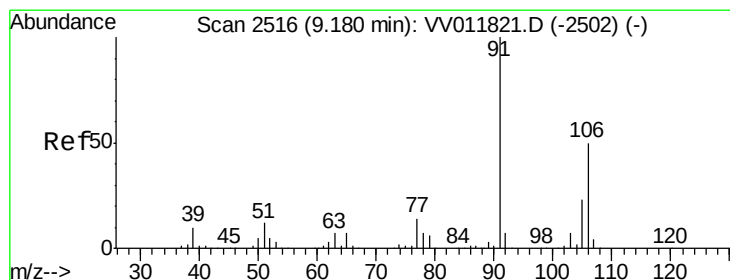
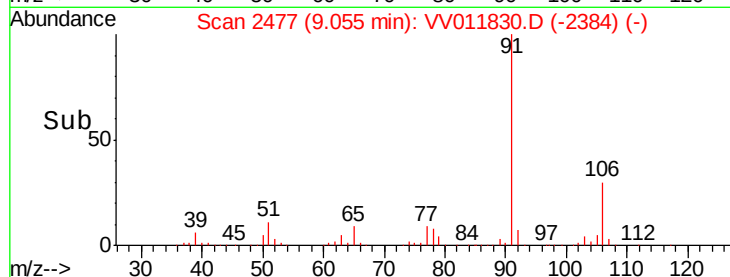
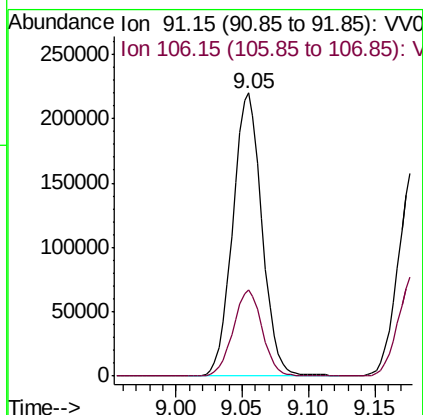
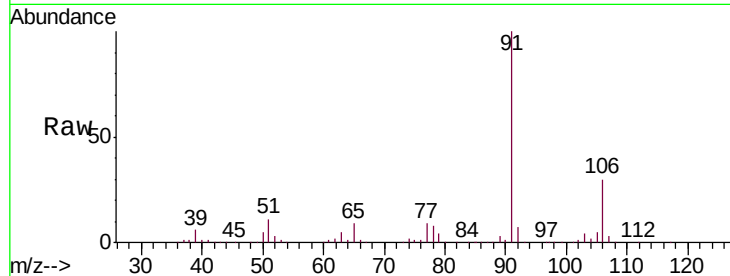




#52
Ethylbenzene
Concen: 5.500 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV011830.D
Acq: 03 Jul 2019 15:43

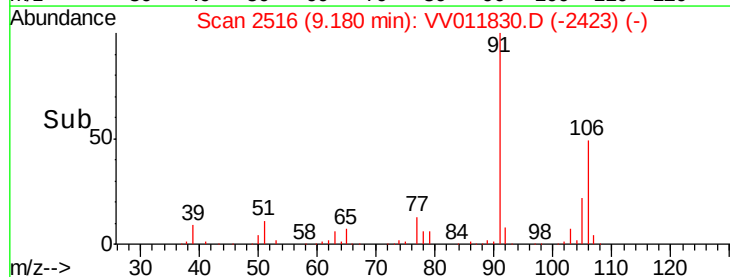
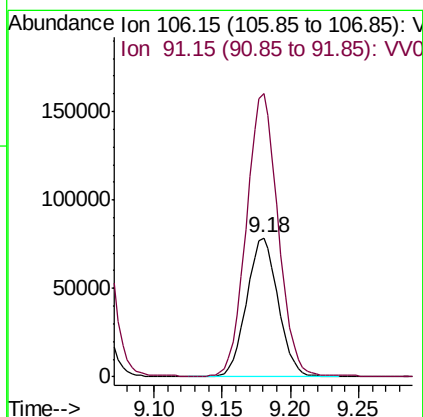
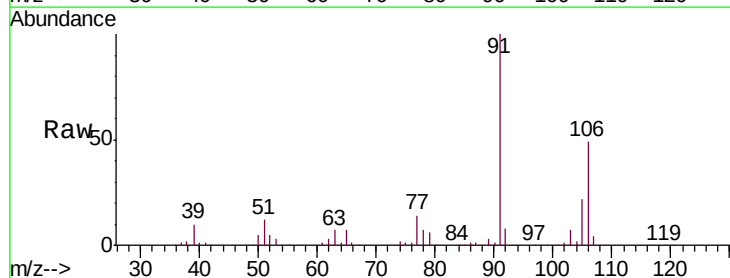
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

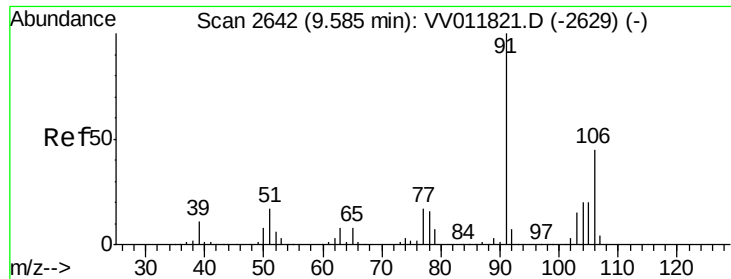
Tgt Ion: 91 Resp: 335509
Ion Ratio Lower Upper
91 100
106 30.4 20.8 38.6



#53
m,p-xylene
Concen: 5.666 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV011830.D
Acq: 03 Jul 2019 15:43

Tgt Ion: 106 Resp: 126410
Ion Ratio Lower Upper
106 100
91 203.7 148.2 275.2

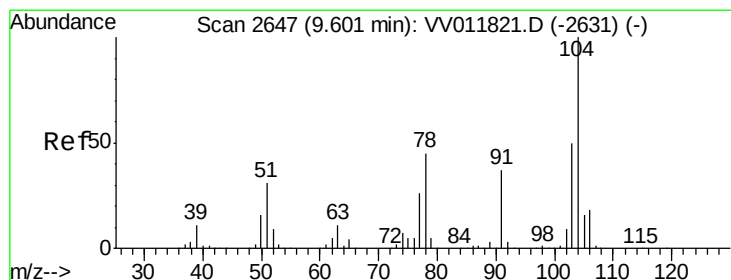
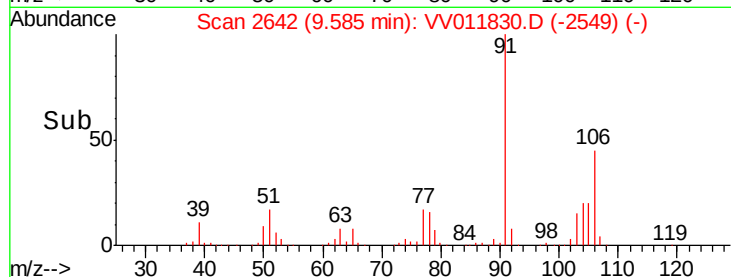
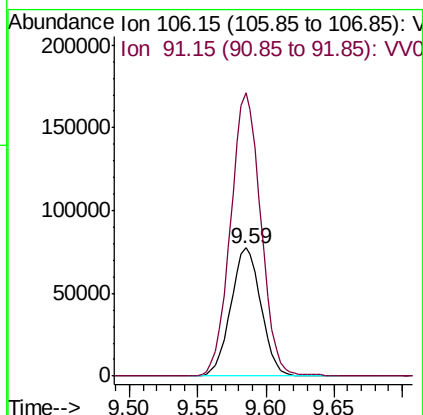
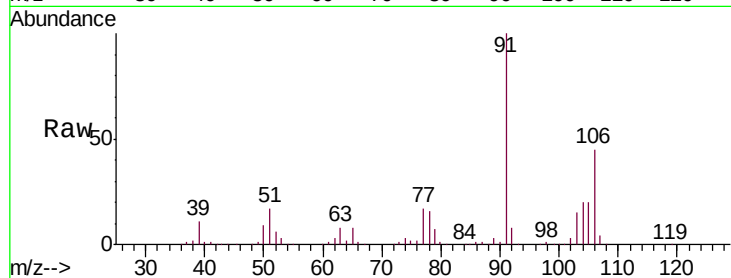




#54
o-xylene
Concen: 5.549 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV011830.D
Acq: 03 Jul 2019 15:43

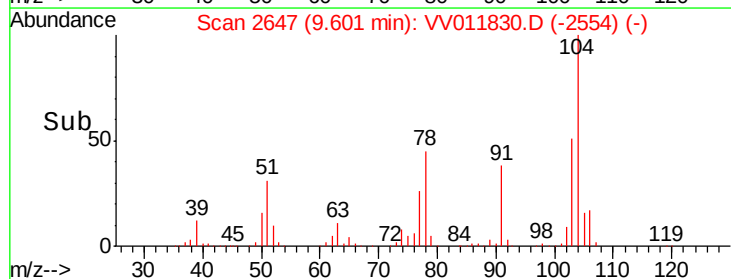
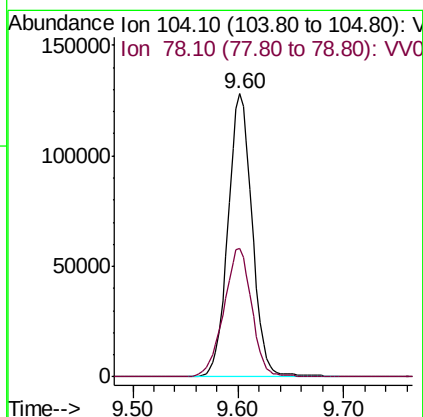
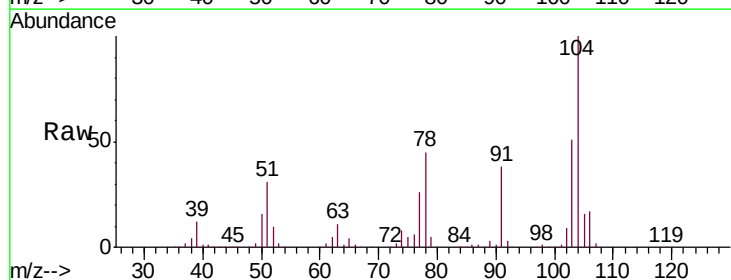
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

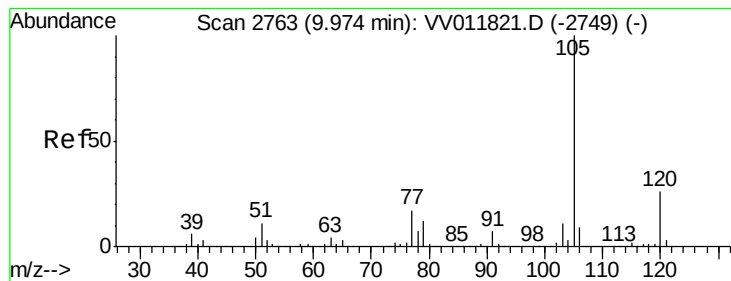
Tgt Ion:106 Resp: 119277
Ion Ratio Lower Upper
106 100
91 221.2 153.2 284.6



#55
Styrene
Concen: 5.674 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV011830.D
Acq: 03 Jul 2019 15:43

Tgt Ion:104 Resp: 203486
Ion Ratio Lower Upper
104 100
78 45.3 33.4 62.0





#56

Isopropylbenzene

Concen: 5.577 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

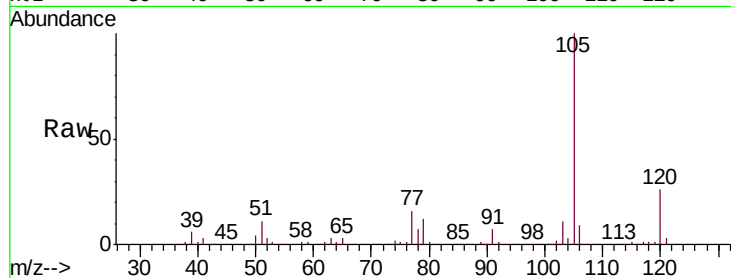
Tgt Ion: 105 Resp: 324414

Ion Ratio Lower Upper

105 100

120 26.1 21.2 31.8

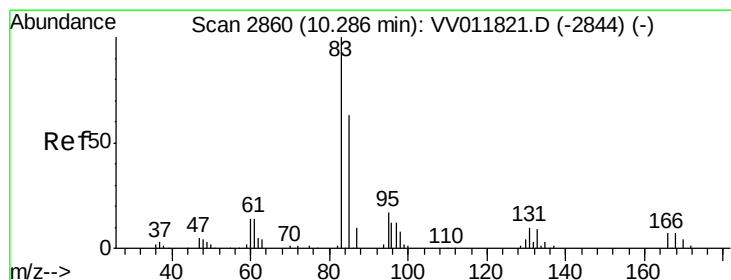
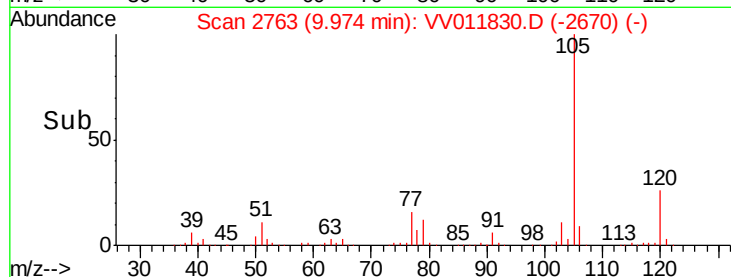
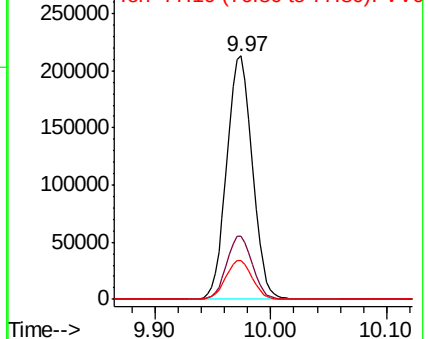
77 16.6 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.091 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

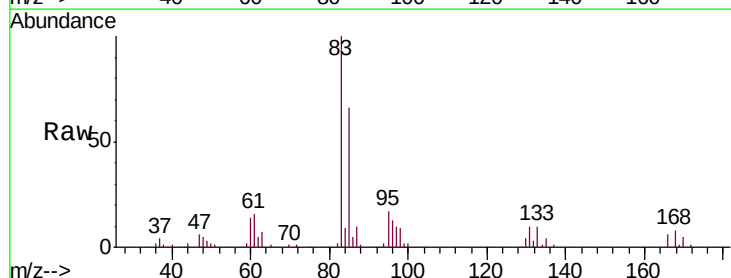
Tgt Ion: 83 Resp: 53207

Ion Ratio Lower Upper

83 100

85 66.4 46.1 85.7

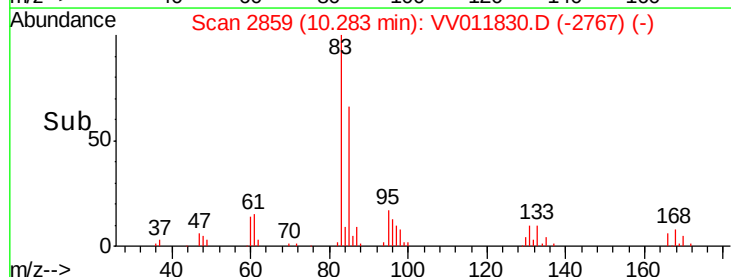
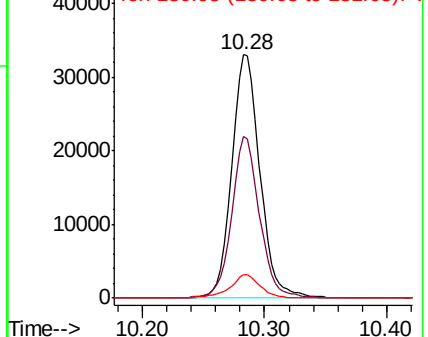
131 9.7 7.8 11.6

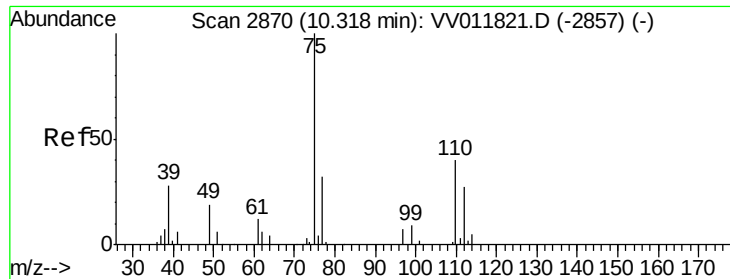


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

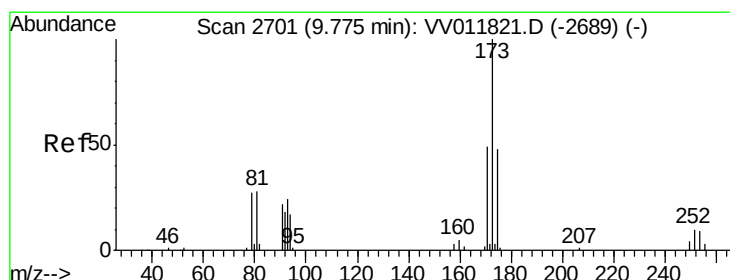
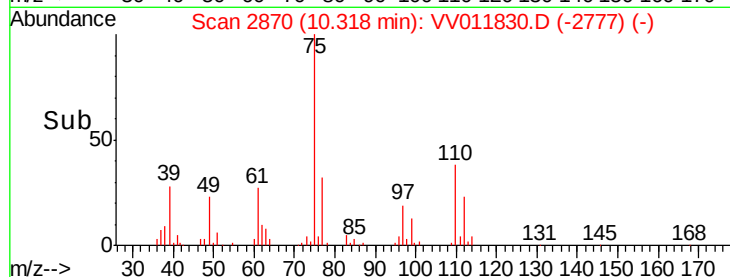
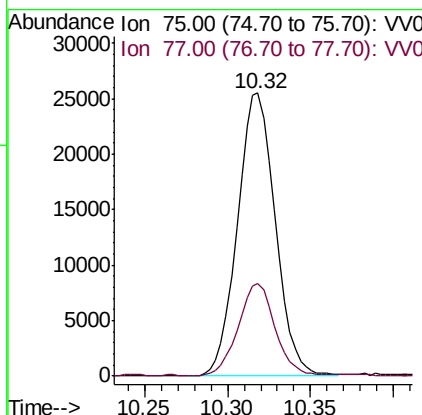
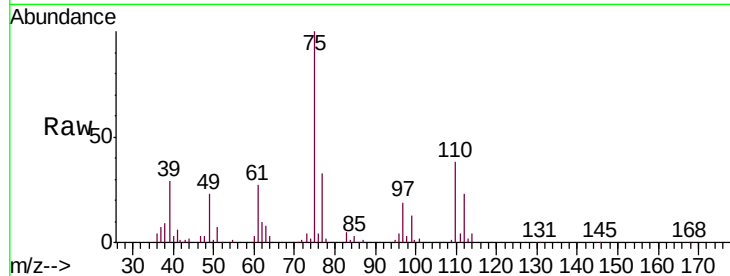




#59
 1,2,3-Trichloropropane
 Concen: 5.265 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011830.D
 Acq: 03 Jul 2019 15:43

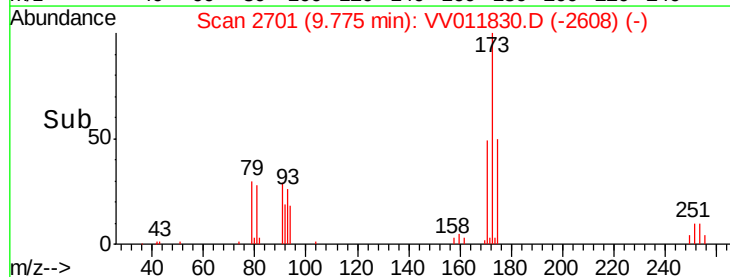
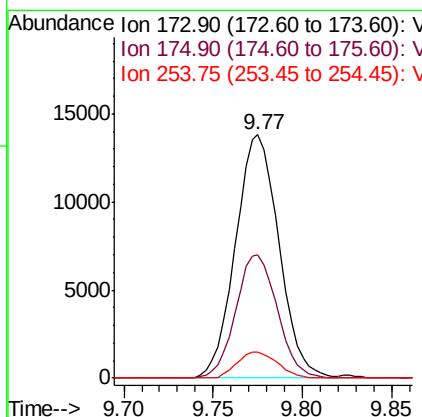
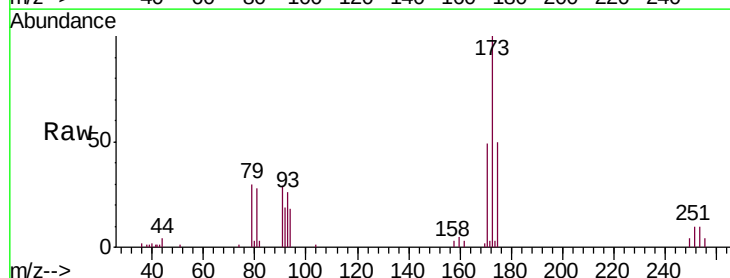
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

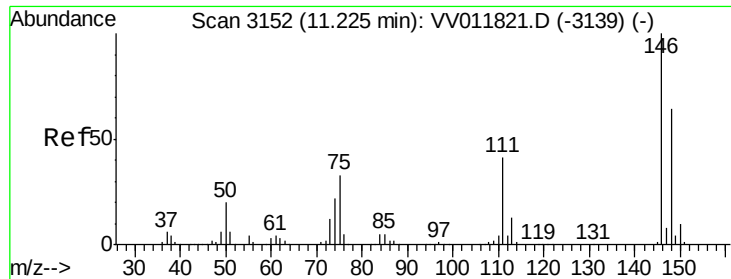
Tgt Ion: 75 Resp: 40527
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.2



#61
 Bromoform
 Concen: 5.164 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV011830.D
 Acq: 03 Jul 2019 15:43

Tgt Ion: 173 Resp: 23458
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.1 57.1
 254 9.9 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 5.372 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

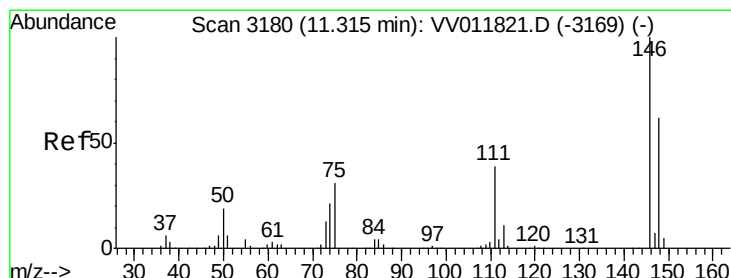
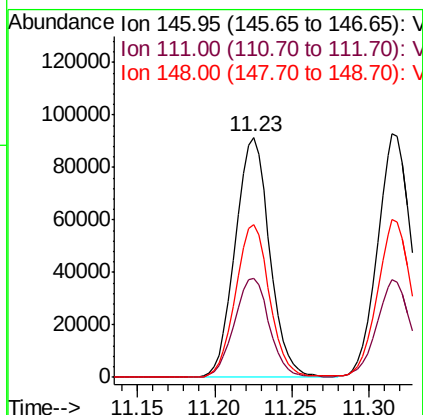
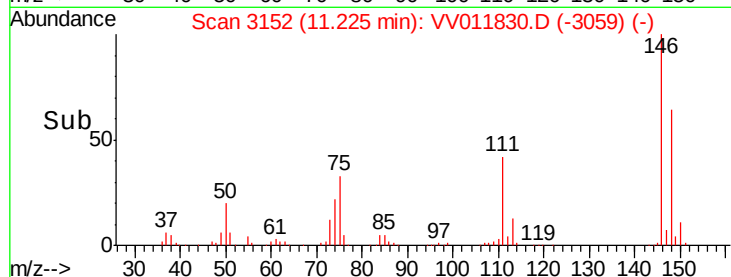
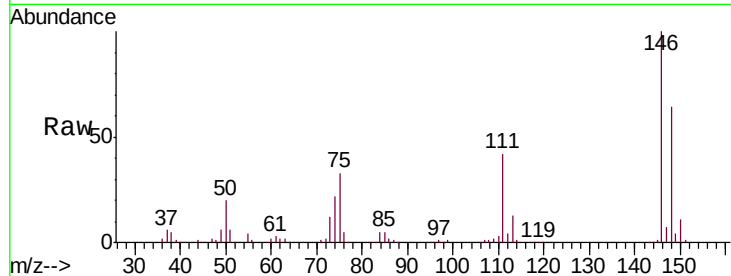
Tgt Ion:146 Resp: 141466

Ion Ratio Lower Upper

146 100

111 41.5 28.1 52.1

148 63.8 44.7 83.1



#63

1,4-Dichlorobenzene

Concen: 5.327 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

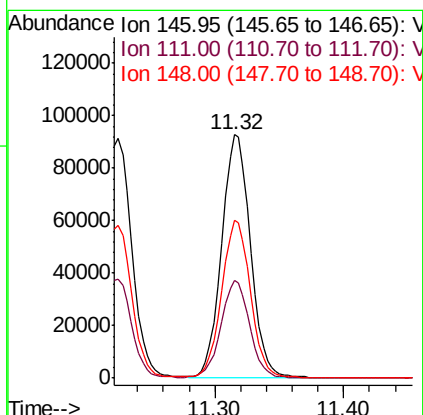
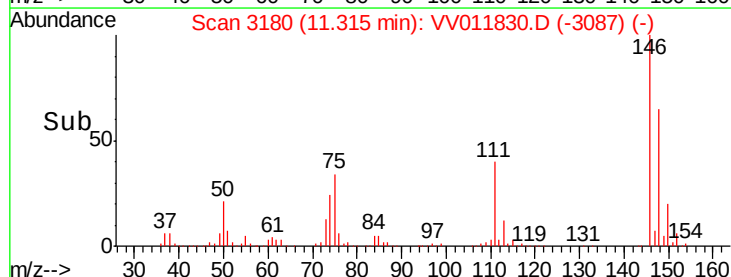
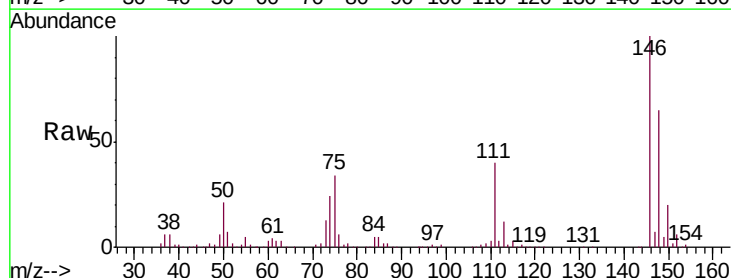
Tgt Ion:146 Resp: 143298

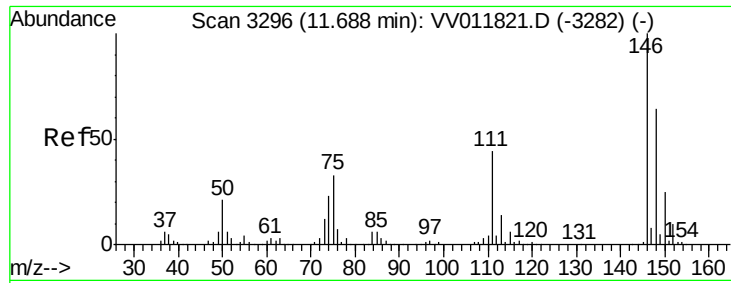
Ion Ratio Lower Upper

146 100

111 40.2 27.2 50.4

148 64.6 45.1 83.7

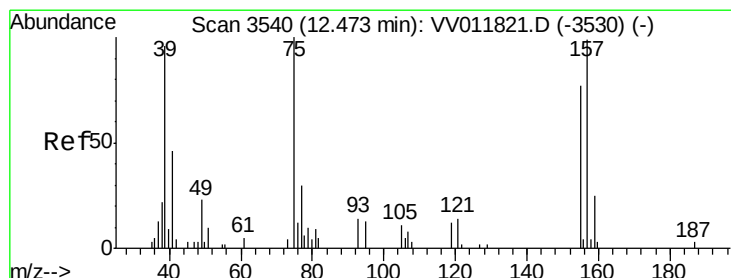
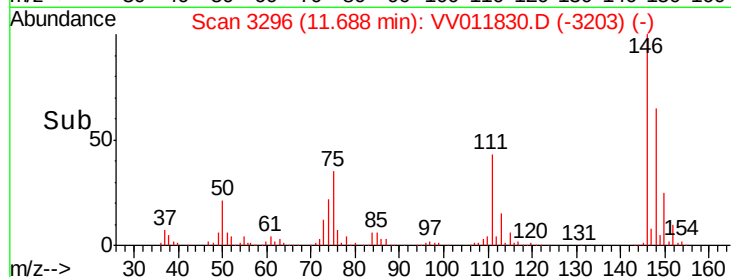
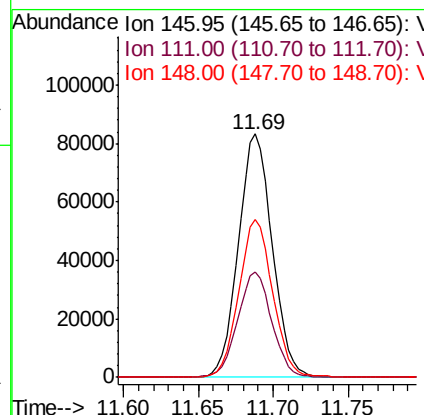
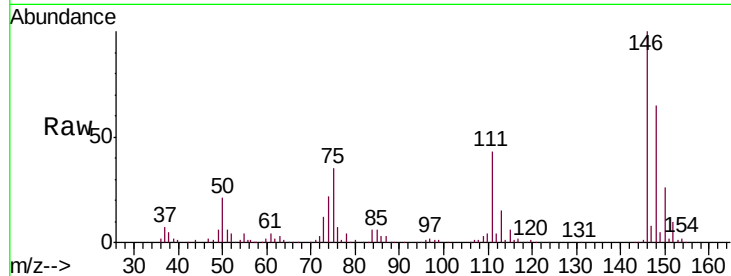




#65
 1,2-Dichlorobenzene
 Concen: 5.283 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV011830.D
 Acq: 03 Jul 2019 15:43

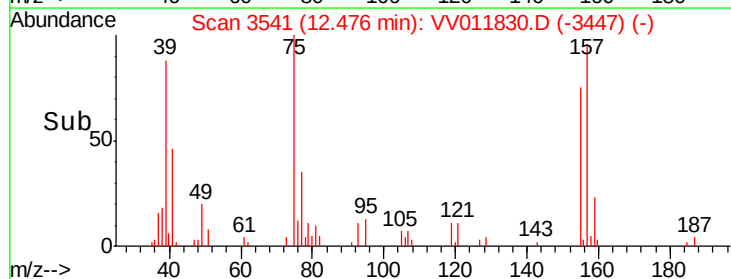
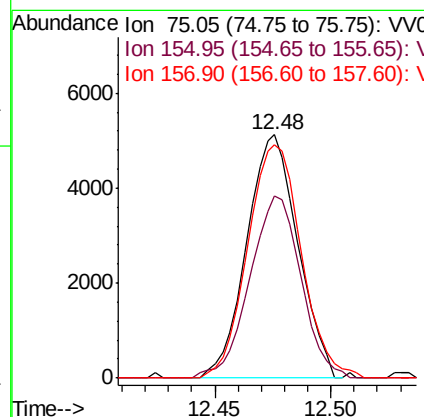
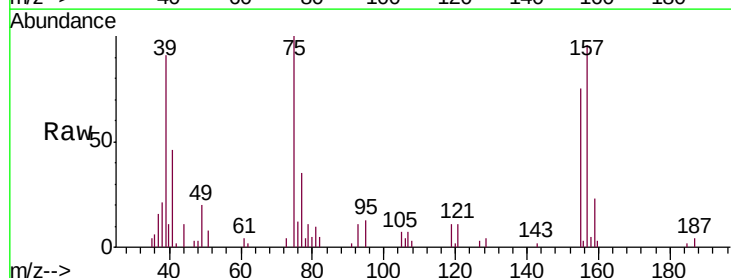
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00557

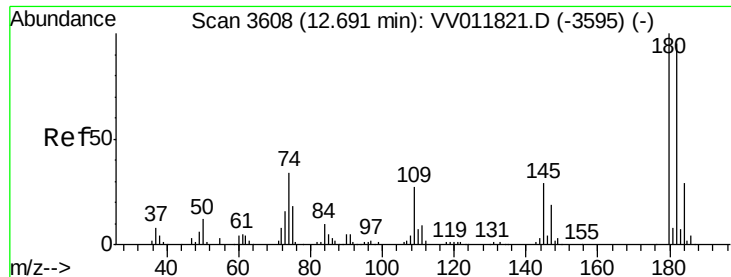
Tgt Ion: 146 Resp: 131431
 Ion Ratio Lower Upper
 146 100
 111 43.2 34.6 52.0
 148 64.9 53.3 79.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.989 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011830.D
 Acq: 03 Jul 2019 15:43

Tgt Ion: 75 Resp: 7873
 Ion Ratio Lower Upper
 75 100
 155 74.9 64.2 96.4
 157 95.9 73.6 110.4





#67

1,3,5-Trichlorobenzene

Concen: 5.442 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

Tgt Ion:180 Resp: 110910

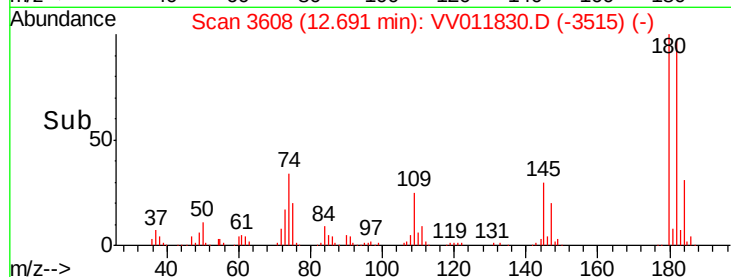
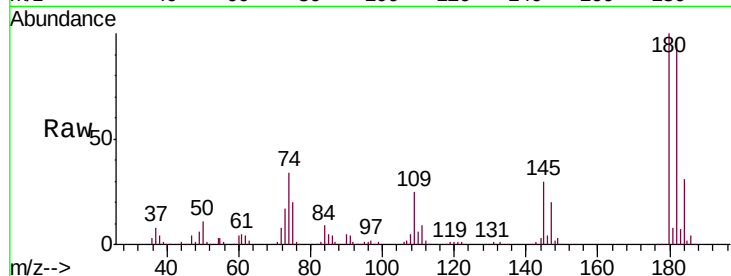
Ion Ratio Lower Upper

180 100

182 96.6 75.3 112.9

184 30.9 24.2 36.4

145 30.9 23.7 35.5

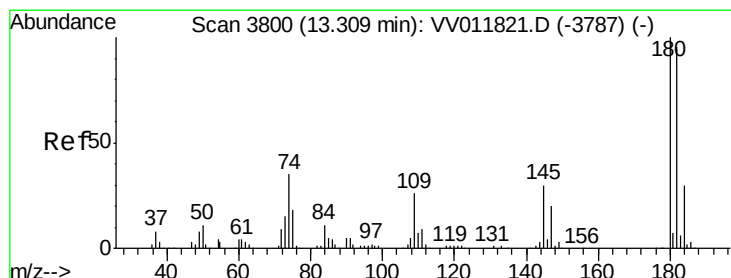
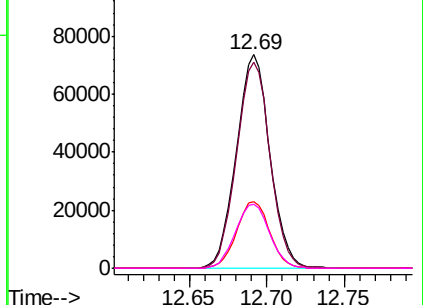


Abundance Ion 180.00 (179.70 to 180.70): V

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: 5.564 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

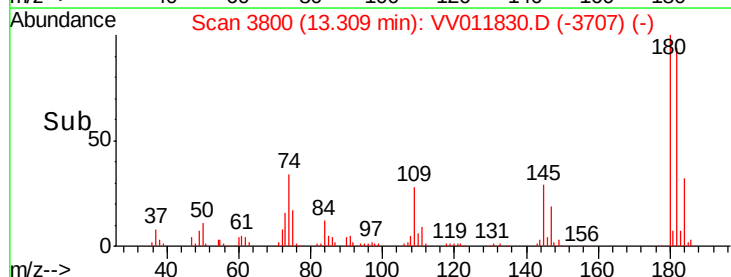
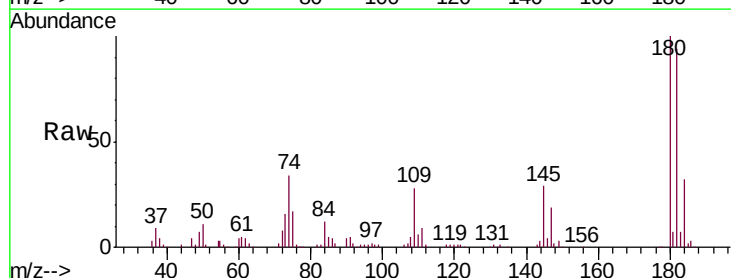
Tgt Ion:180 Resp: 91557

Ion Ratio Lower Upper

180 100

182 94.3 75.2 112.8

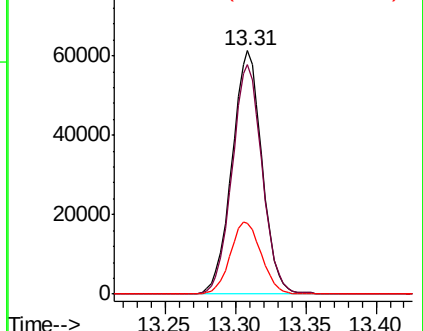
145 30.4 24.5 36.7

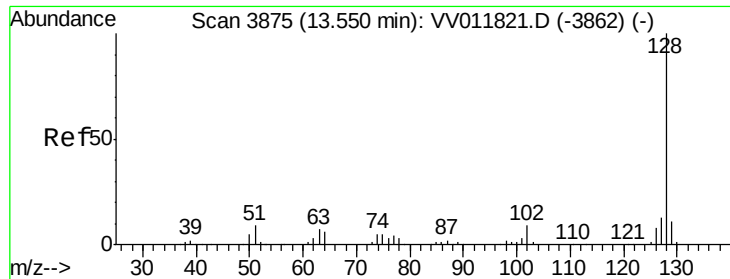


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.517 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

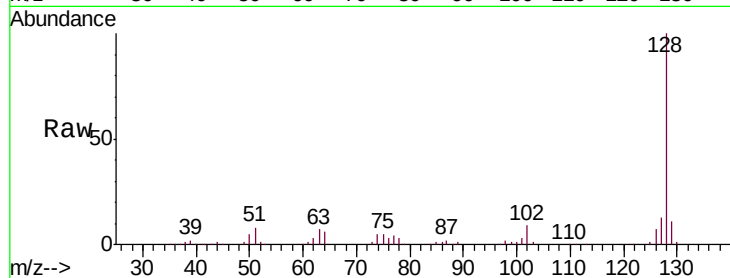
Tgt Ion:128 Resp: 144593

Ion Ratio Lower Upper

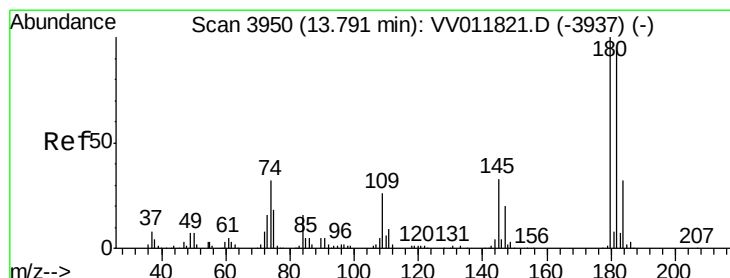
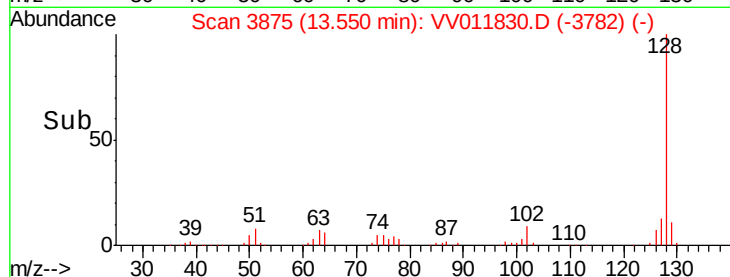
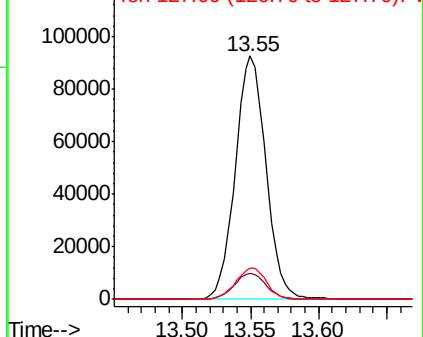
128 100

129 11.1 8.7 13.1

127 13.0 10.6 16.0



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: 5.504 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV011830.D

Acq: 03 Jul 2019 15:43

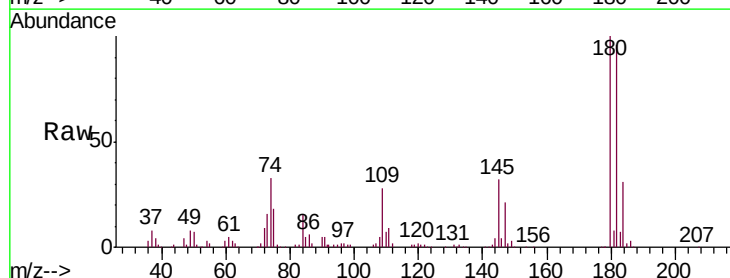
Tgt Ion:180 Resp: 83947

Ion Ratio Lower Upper

180 100

182 95.9 74.7 112.1

145 32.4 26.2 39.4



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

