

Data File : VV012412.D
Acq On : 26 Aug 2019 20:01
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

Quant Time: Aug 27 02:26:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 27 02:19:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	231977	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	231284	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	115731	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50101	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.58	69	36529	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.13	63	92024	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	3.96	46	176005	56.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.66%
24) Chloroform-d	4.40	84	127865	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.08	65	65418	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.10	84	251523	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.12	67	79165	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.36	98	232958	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.66	79	28981	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.14	63	108353	54.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	57291	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	80557	4.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	106016	5.351	ug/L 100
3) Chloromethane	1.25	50	83502	5.479	ug/L 100
5) Vinyl chloride	1.32	62	77156	5.221	ug/L 99
6) Bromomethane	1.54	94	33993	5.040	ug/L 98
8) Chloroethane	1.60	64	39032	5.262	ug/L 100
9) Trichlorofluoromethane	1.77	101	106593	5.419	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	50331	4.913	ug/L 97
12) 1,1-Dichloroethene	2.14	96	49040	5.270	ug/L 91
13) Acetone	2.23	43	81200	60.070	ug/L 60
14) Carbon disulfide	2.32	76	143814	4.918	ug/L 100
15) Methyl Acetate	2.47	43	19117	5.618	ug/L 98
16) Methylene chloride	2.53	84	49698	4.793	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	162750	5.804	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	71769	5.187	ug/L 97
19) 1,1-Dichloroethane	3.23	63	137383	5.340	ug/L 96
21) 2-Butanone	4.05	43	200778	63.239	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	74484	4.935	ug/L 94

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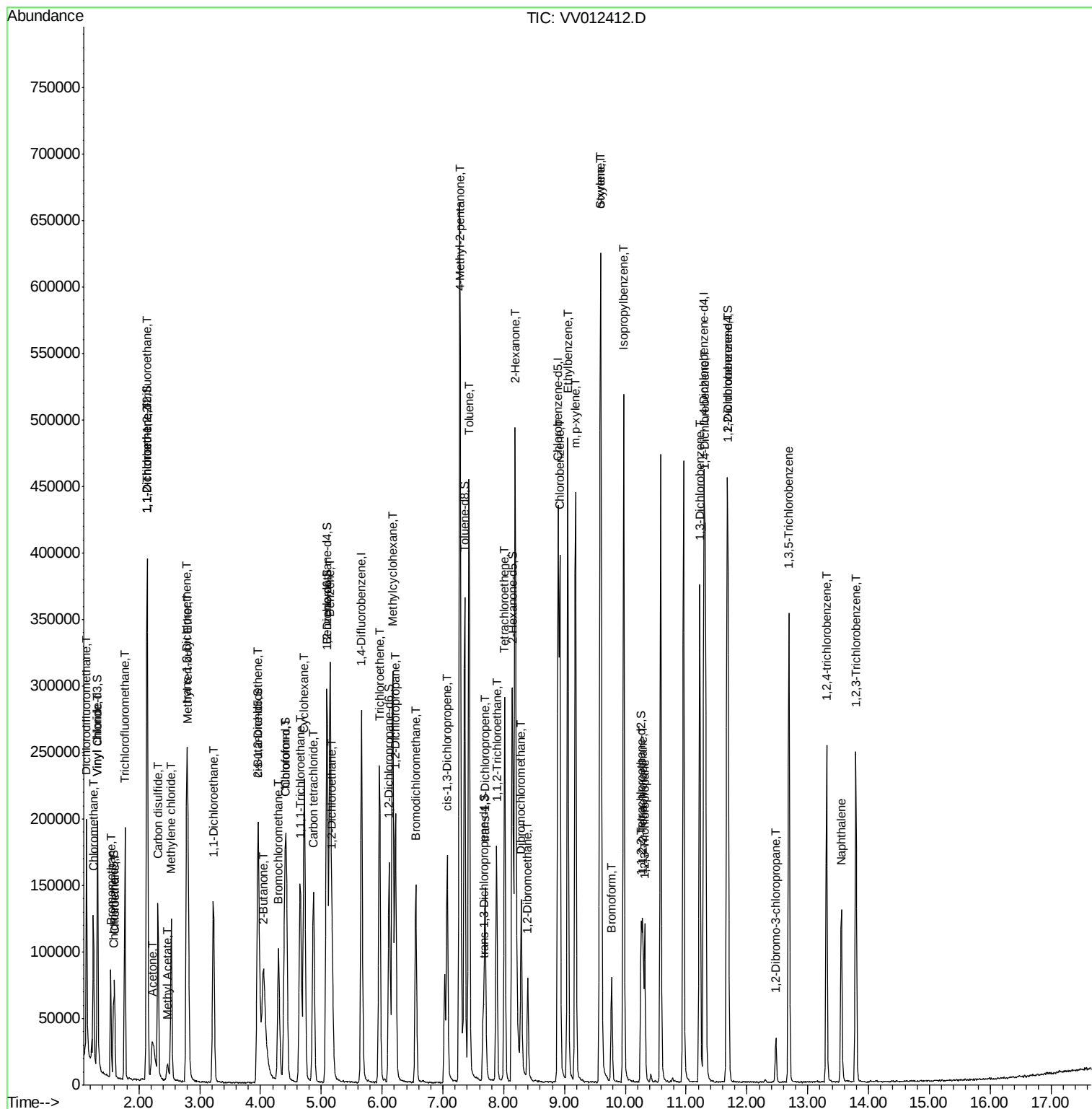
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	34813	5.547	ug/L	97
25) Chloroform	4.42	83	141692	4.936	ug/L	99
27) 1,2-Dichloroethane	5.18	62	85673	5.656	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	118002	5.107	ug/L	98
30) Cyclohexane	4.72	56	113872	4.770	ug/L	99
31) Carbon tetrachloride	4.87	117	106332	5.204	ug/L	98
33) Benzene	5.14	78	306109	5.190	ug/L	100
34) Trichloroethene	5.96	95	79845	5.016	ug/L	99
35) Methylcyclohexane	6.17	83	113586	4.543	ug/L	97
37) 1,2-Dichloropropane	6.22	63	78324	5.241	ug/L	99
38) Bromodichloromethane	6.55	83	97788	5.304	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	101761	5.065	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	498557	62.104	ug/L	98
42) Toluene	7.43	91	321011	5.329	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	81635	5.371	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	53474	5.523	ug/L	98
47) Tetrachloroethene	8.02	164	65716	5.117	ug/L	98
48) 2-Hexanone	8.19	43	360952	62.488	ug/L	98
49) Dibromochloromethane	8.29	129	62479	5.385	ug/L	93
50) 1,2-Dibromoethane	8.40	107	49306	5.387	ug/L #	99
51) Chlorobenzene	8.92	112	199354	5.065	ug/L	99
52) Ethylbenzene	9.05	91	329638	5.084	ug/L	100
53) m,p-xylene	9.18	106	122606	5.044	ug/L	99
54) o-xylene	9.59	106	119396	5.161	ug/L	98
55) Styrene	9.60	104	207653	5.365	ug/L	97
56) Isopropylbenzene	9.97	105	316381	5.110	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	56545	5.441	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	45443	5.535	ug/L	98
61) Bromoform	9.77	173	35071	5.282	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	153624	4.888	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	150746	4.789	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	144605	5.003	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	8107	4.893	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	108426	4.506	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	78432	4.677	ug/L	99
69) Naphthalene	13.55	128	103823	4.472	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	77939	4.961	ug/L	98

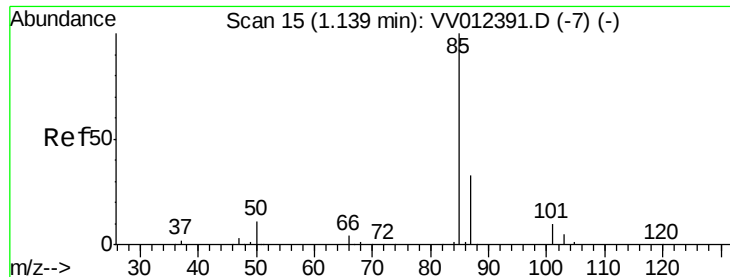
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.351 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

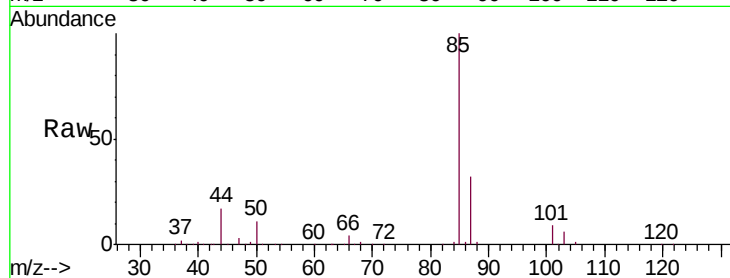
VSTD00552

Tgt Ion: 85 Resp: 106016

Ion Ratio Lower Upper

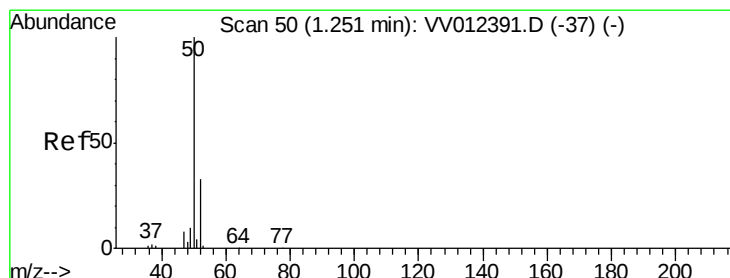
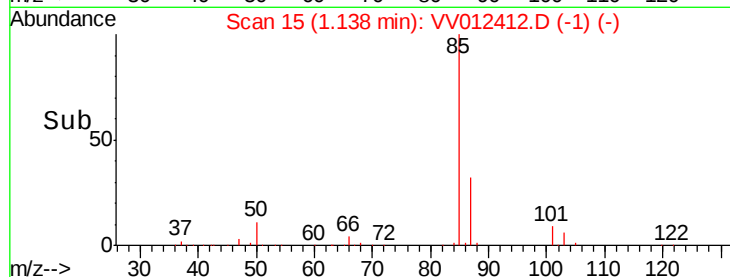
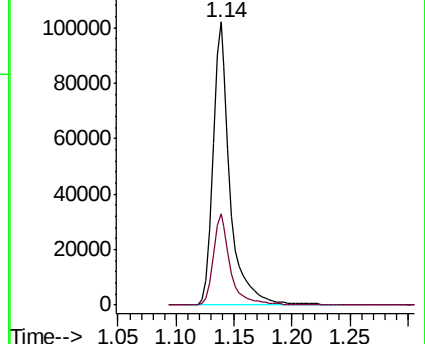
85 100

87 32.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.479 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012412.D

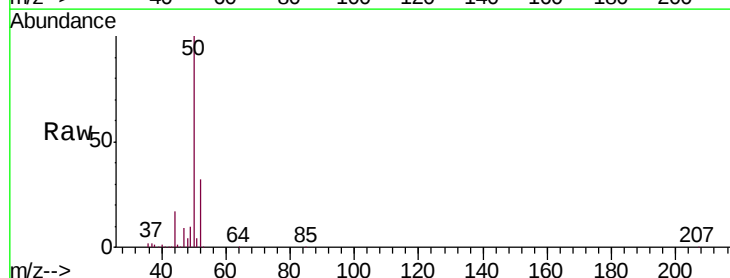
Acq: 26 Aug 2019 20:01

Tgt Ion: 50 Resp: 83502

Ion Ratio Lower Upper

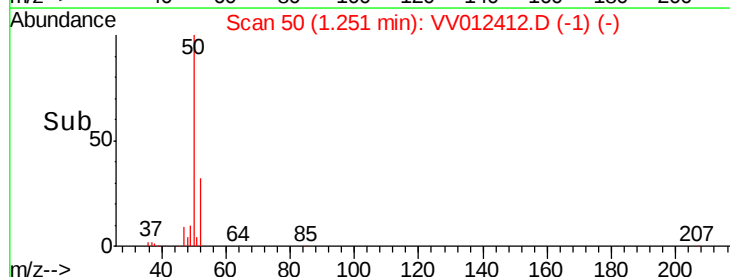
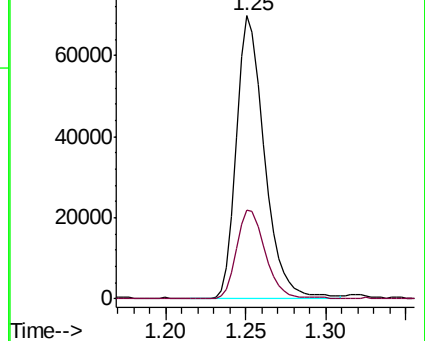
50 100

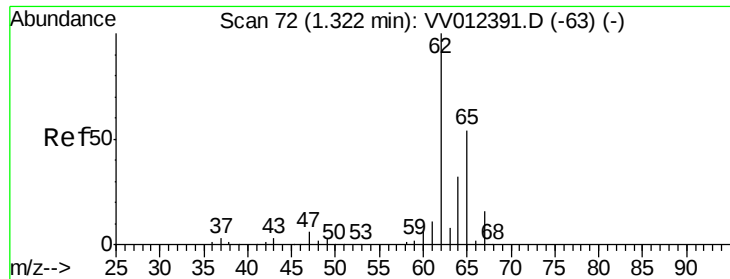
52 31.6 22.2 41.2



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.221 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

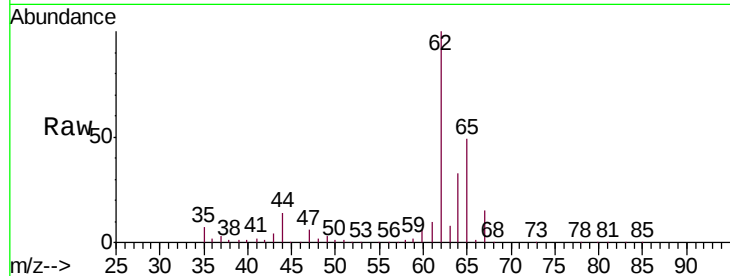
VSTD00552

Tgt Ion: 62 Resp: 77156

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

60000

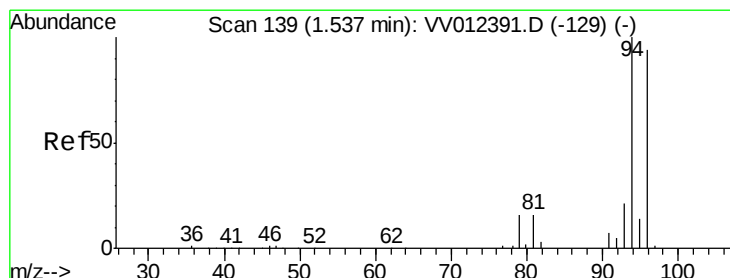
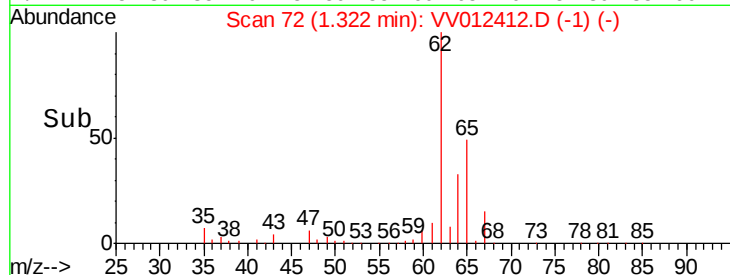
40000

20000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 5.040 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012412.D

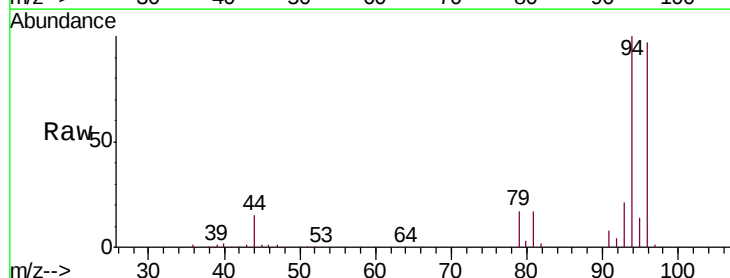
Acq: 26 Aug 2019 20:01

Tgt Ion: 94 Resp: 33993

Ion Ratio Lower Upper

94 100

96 96.7 69.2 128.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

30000

25000

20000

15000

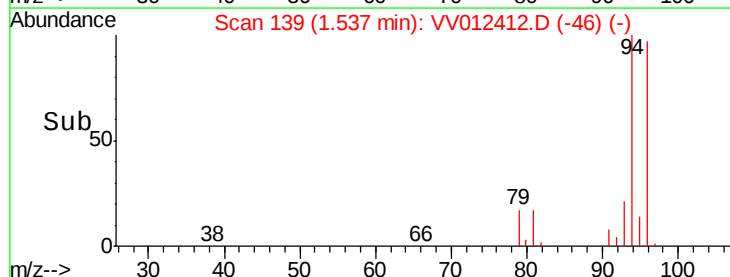
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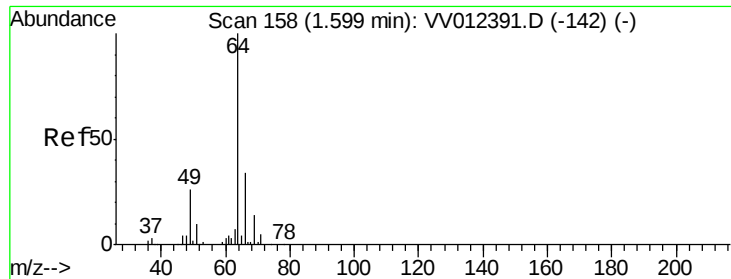
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Time-->

1.50 1.55 1.60 1.65

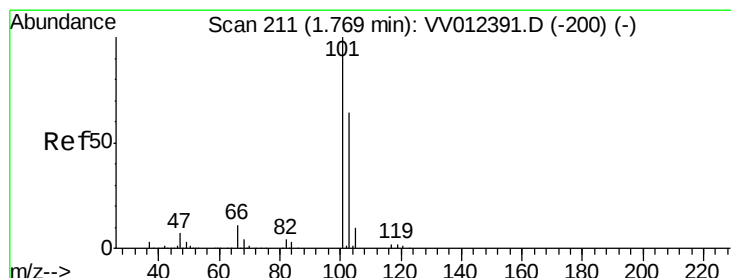
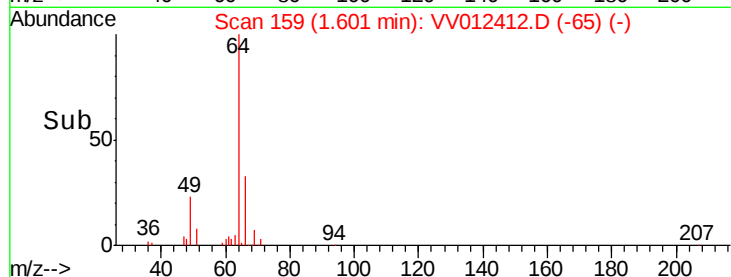
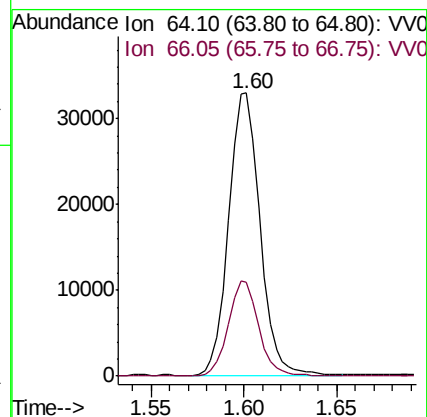
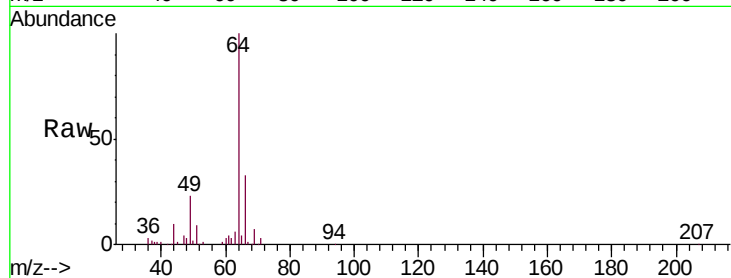




#8
Chloroethane
Concen: 5.262 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012412.D
Acq: 26 Aug 2019 20:01

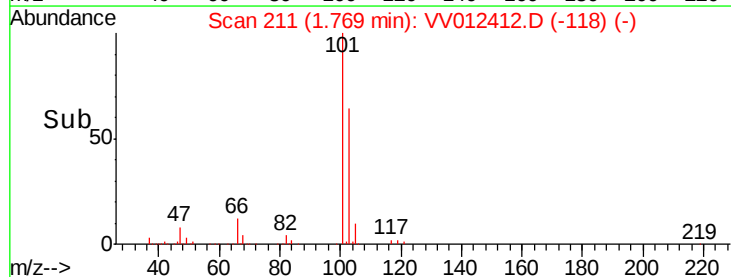
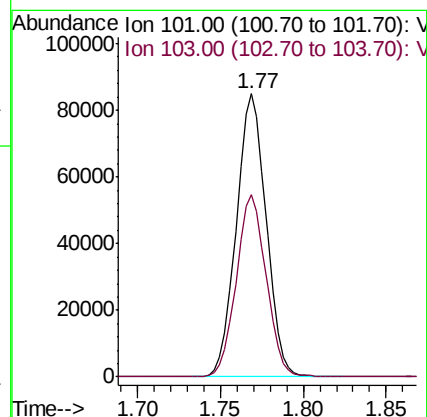
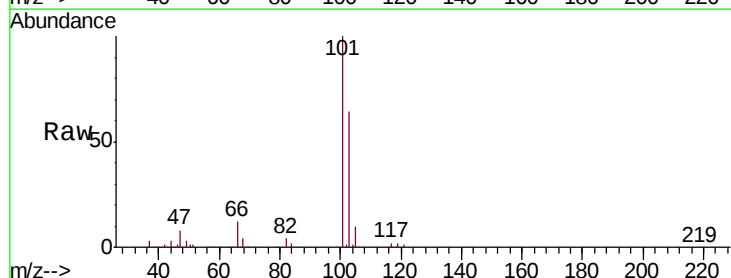
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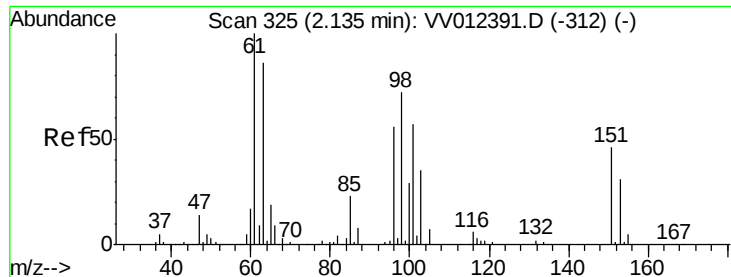
Tgt Ion: 64 Resp: 39032
Ion Ratio Lower Upper
64 100
66 33.1 23.2 43.0



#9
Trichlorofluoromethane
Concen: 5.419 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV012412.D
Acq: 26 Aug 2019 20:01

Tgt Ion: 101 Resp: 106593
Ion Ratio Lower Upper
101 100
103 64.4 51.2 76.8





#10

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

Concen: 4.913 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

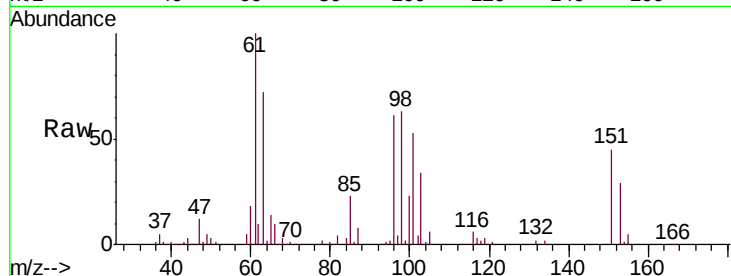
Tgt Ion: 101 Resp: 50331

Ion Ratio Lower Upper

101 100

85 44.0 34.6 51.8

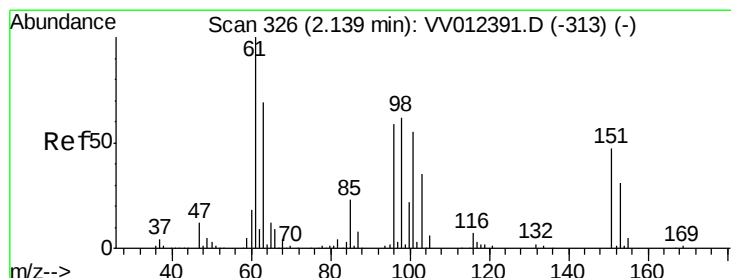
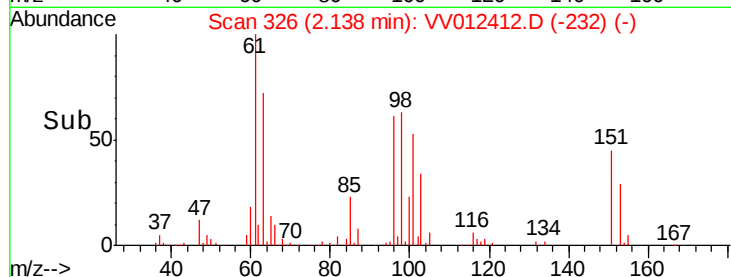
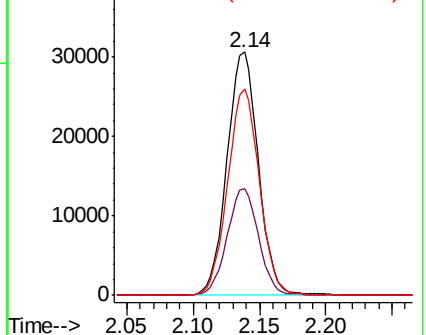
151 85.7 71.2 106.8



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: 5.270 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

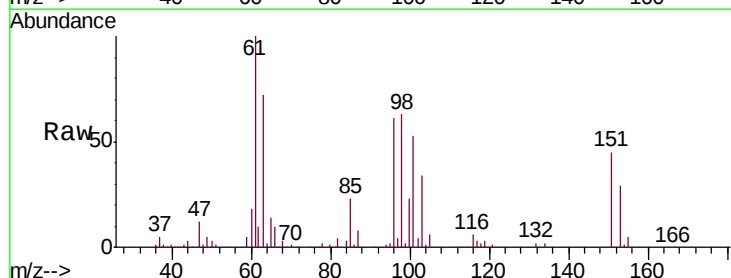
Tgt Ion: 96 Resp: 49040

Ion Ratio Lower Upper

96 100

61 163.0 122.3 227.1

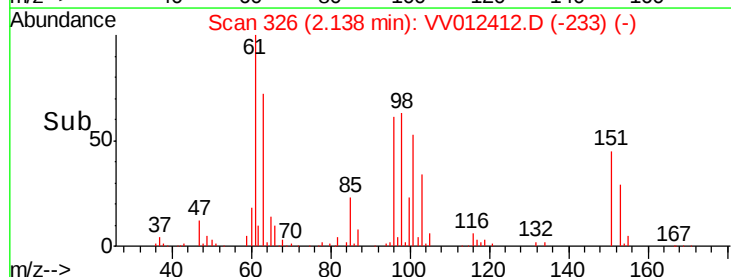
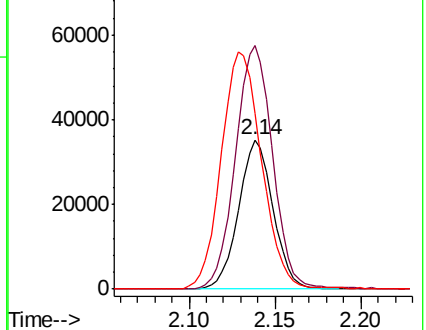
63 117.9 90.6 168.2

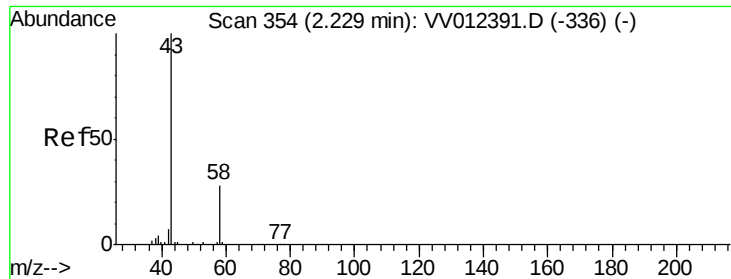


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 60.070 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

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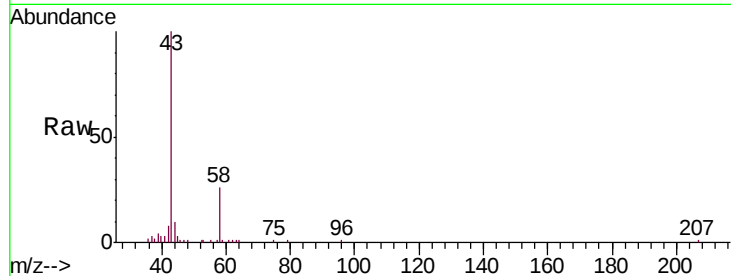
VSTD00552

Tgt Ion: 43 Resp: 81200

Ion Ratio Lower Upper

43 100

58 9.1 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.23

20000

15000

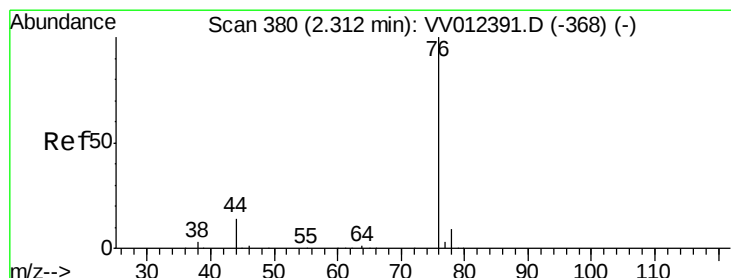
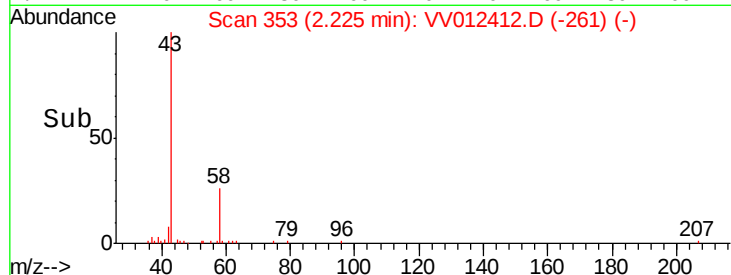
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5000

0

2.10 2.20 2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 4.918 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012412.D

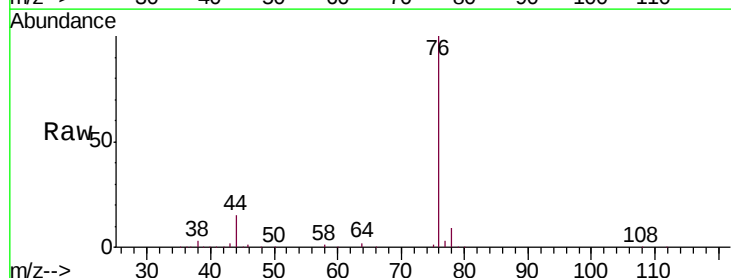
Acq: 26 Aug 2019 20:01

Tgt Ion: 76 Resp: 143814

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

100000

80000

60000

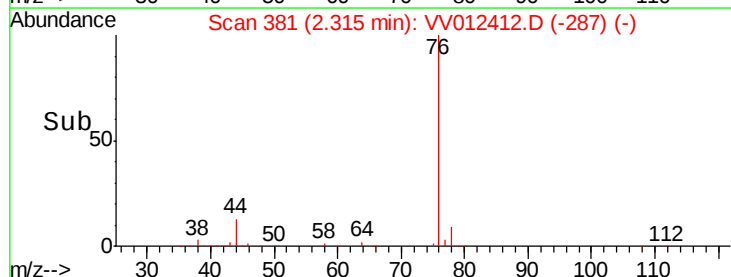
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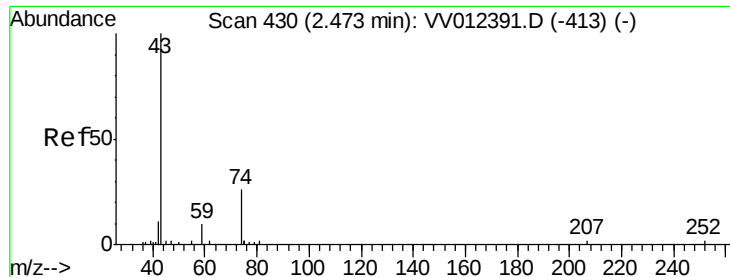
20000

0

2.25 2.30 2.35 2.40

Time-->





#15

Methyl Acetate

Concen: 5.618 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

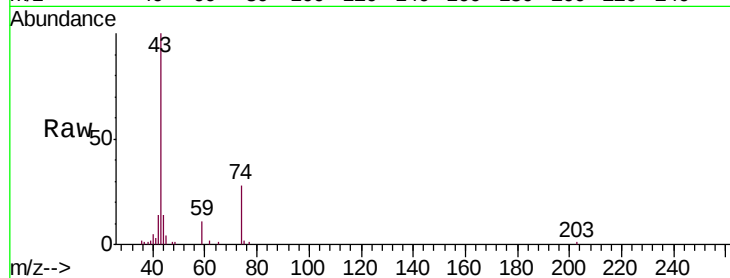
VSTD00552

Tgt Ion: 43 Resp: 19117

Ion Ratio Lower Upper

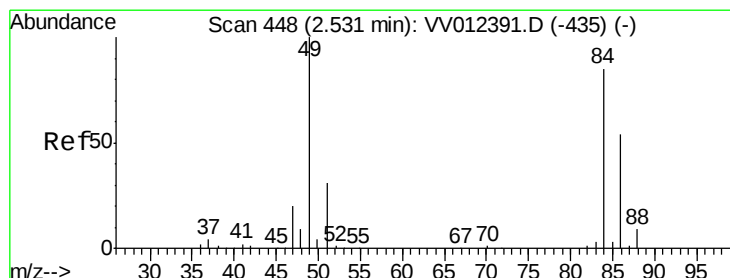
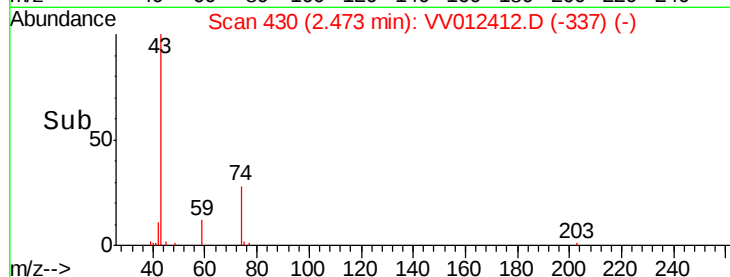
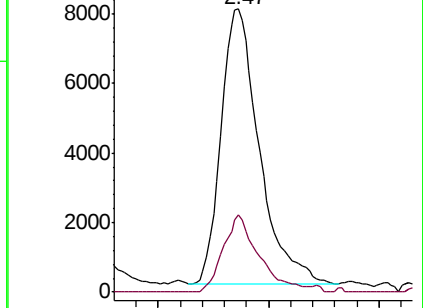
43 100

74 25.9 21.8 32.6



Abundance Ion 43.05 (42.75 to 43.75): VV012391.D (-413) (-)

Ion 74.05 (73.75 to 74.75): VV012391.D (-413) (-)



#16

Methylene chloride

Concen: 4.793 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

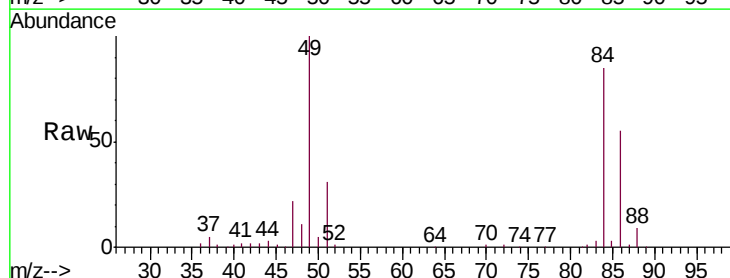
Tgt Ion: 84 Resp: 49698

Ion Ratio Lower Upper

84 100

86 64.3 44.9 83.5

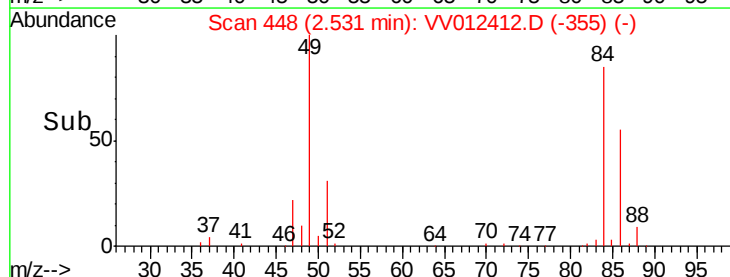
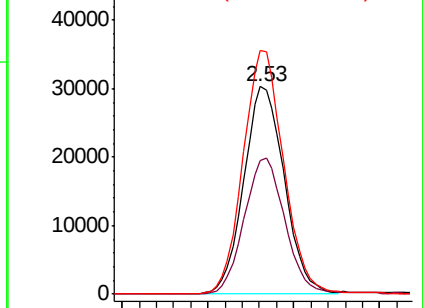
49 117.5 81.1 150.7

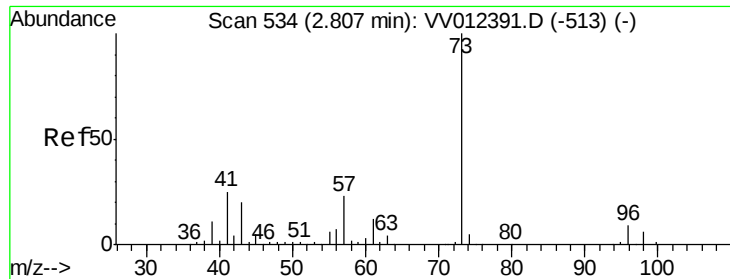


Abundance Ion 84.05 (83.75 to 84.75): VV012391.D (-435) (-)

Ion 86.00 (85.70 to 86.70): VV012391.D (-435) (-)

Ion 49.10 (48.80 to 49.80): VV012391.D (-435) (-)

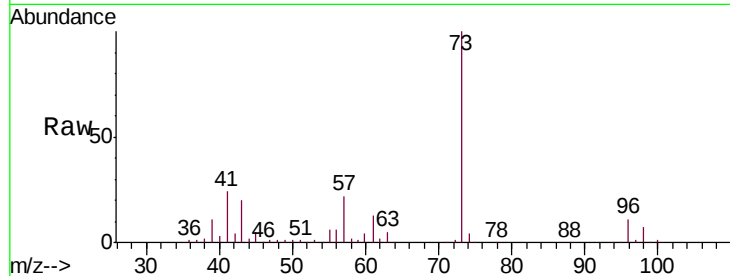




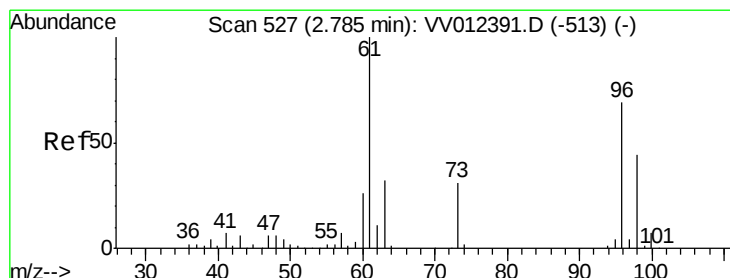
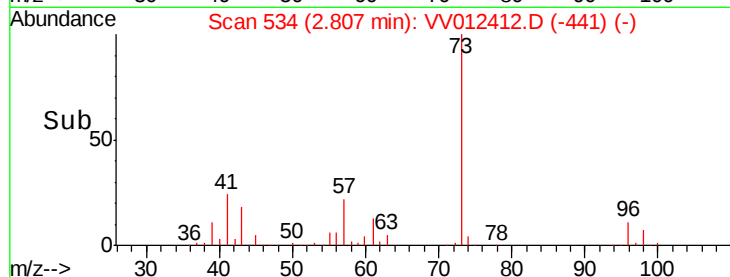
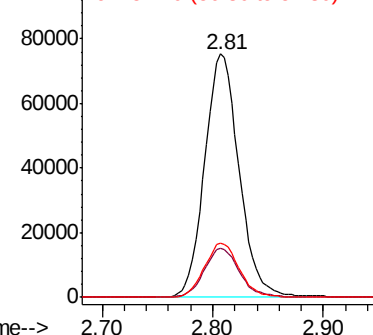
#17
Methyl tert-butyl Ether
Concen: 5.804 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV012412.D
Acq: 26 Aug 2019 20:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

Tgt Ion: 73 Resp: 162750
Ion Ratio Lower Upper
73 100
43 20.8 15.0 22.6
57 22.6 18.0 27.0

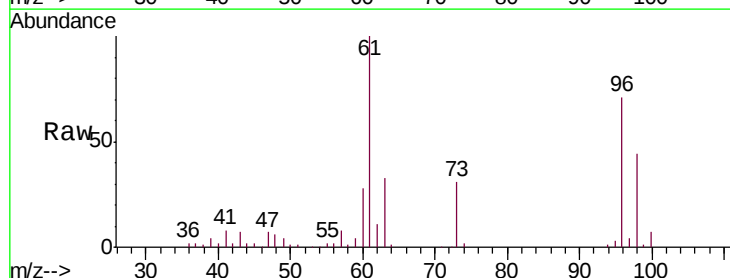


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

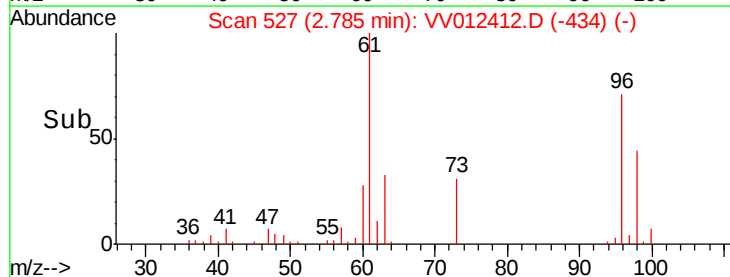
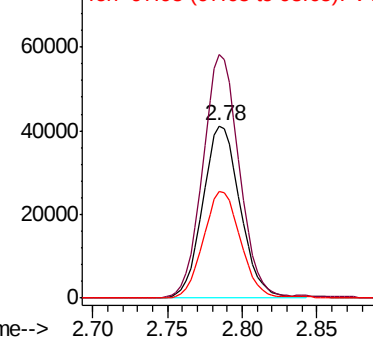


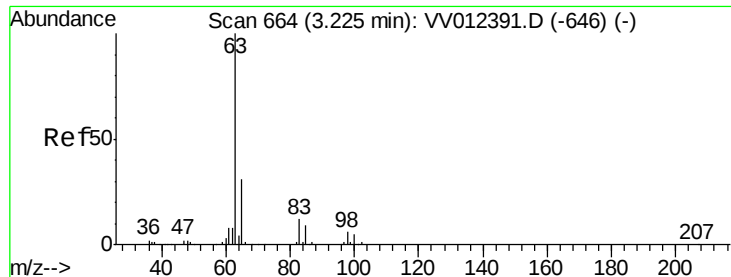
#18
trans-1,2-Dichloroethene
Concen: 5.187 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV012412.D
Acq: 26 Aug 2019 20:01

Tgt Ion: 96 Resp: 71769
Ion Ratio Lower Upper
96 100
61 141.2 96.0 178.4
98 61.7 42.1 78.3



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: 5.340 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

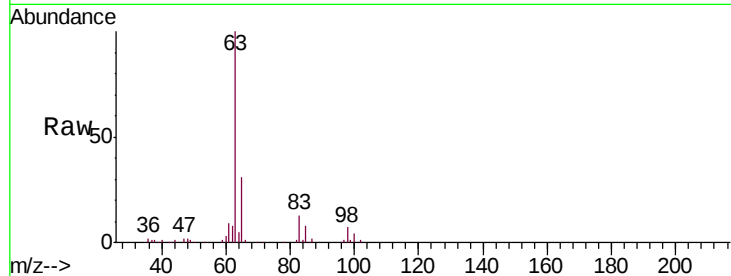
Tgt Ion: 63 Resp: 137383

Ion Ratio Lower Upper

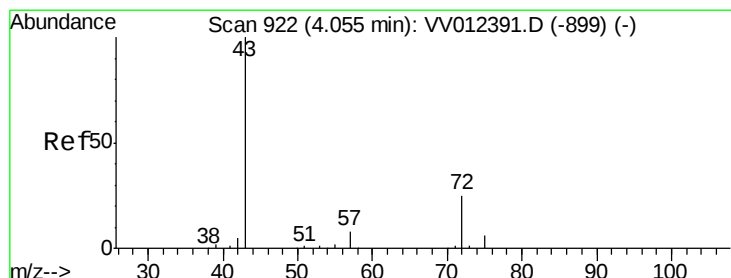
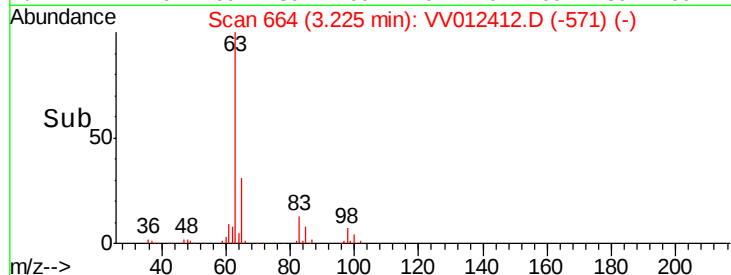
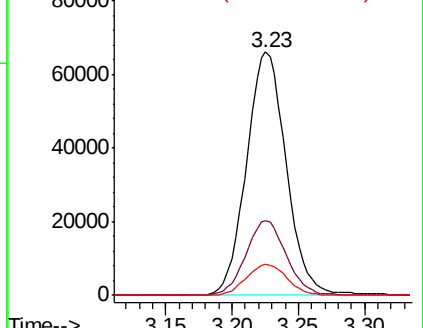
63 100

65 30.7 23.1 42.9

83 12.6 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 63.239 ug/L

RT: 4.05 min Scan# 920

Delta R.T. -0.01 min

Lab File: VV012412.D

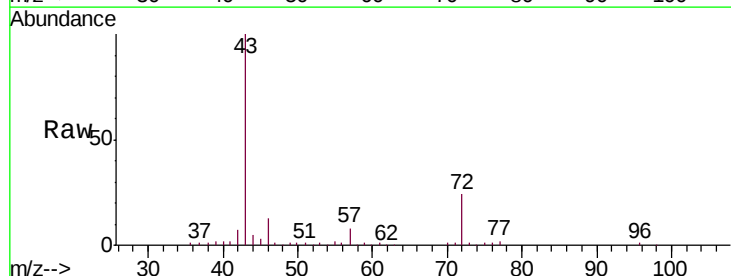
Acq: 26 Aug 2019 20:01

Tgt Ion: 43 Resp: 200778

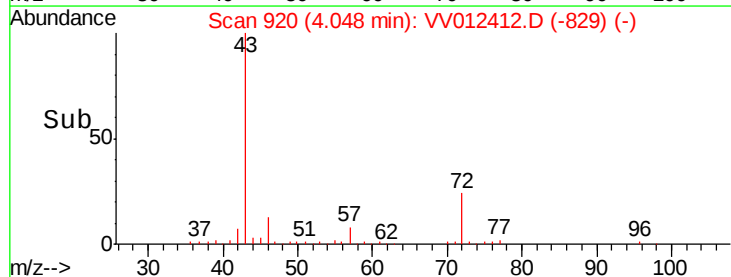
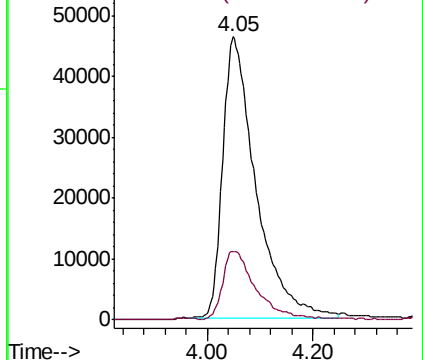
Ion Ratio Lower Upper

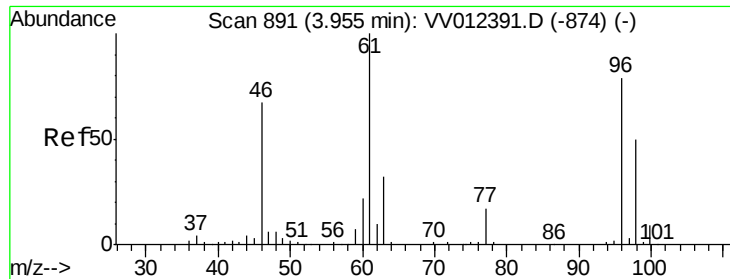
43 100

72 24.1 12.2 36.6



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 72.10 (71.80 to 72.80): VV0



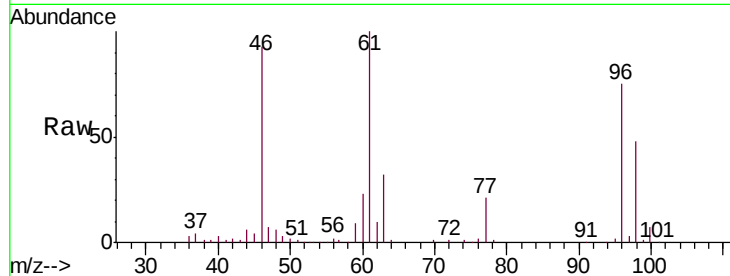


#22

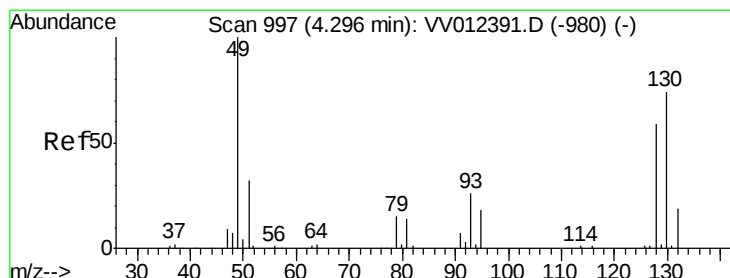
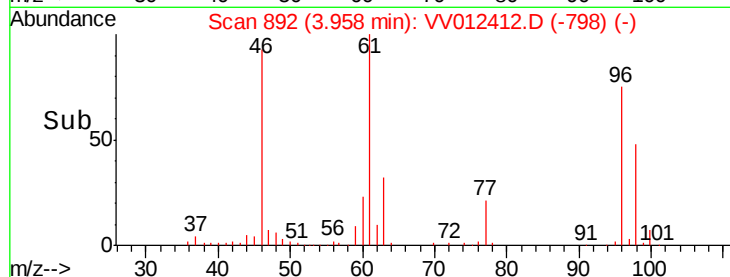
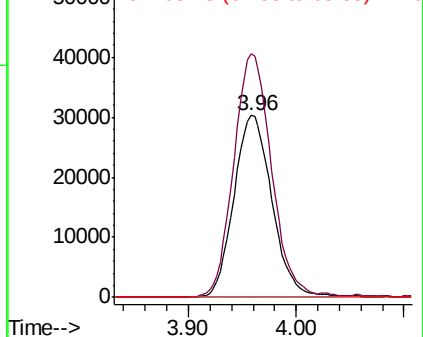
cis-1,2-Dichloroethene
 Concen: 4.935 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012412.D
 Acq: 26 Aug 2019 20:01

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD00552

Tgt Ion: 96 Resp: 74484
 Ion Ratio Lower Upper
 96 100
 61 134.1 89.4 166.0
 68 0.0 0.0 0.0



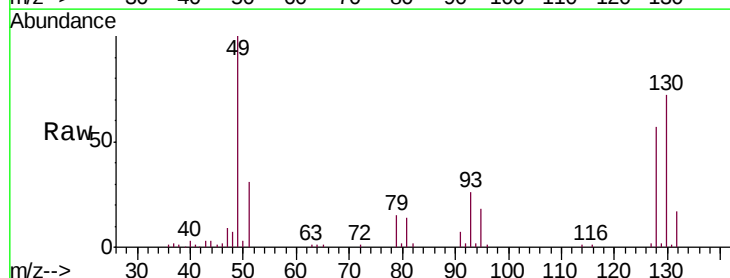
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



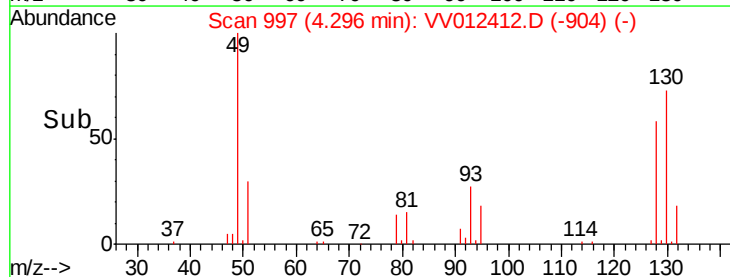
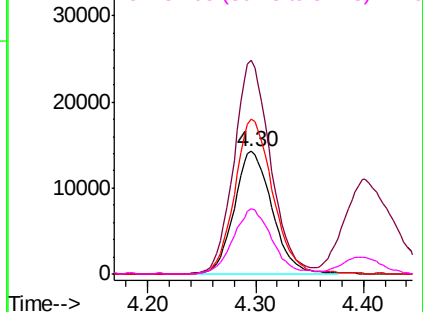
#23

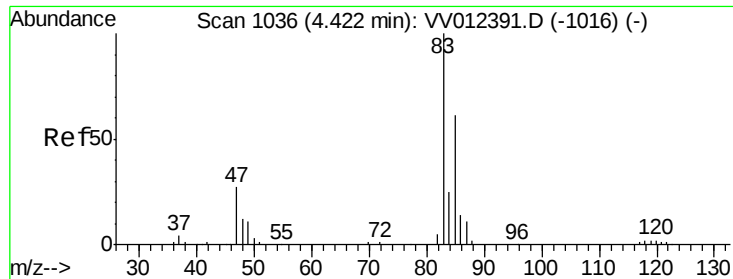
Bromochloromethane
 Concen: 5.547 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV012412.D
 Acq: 26 Aug 2019 20:01

Tgt Ion: 128 Resp: 34813
 Ion Ratio Lower Upper
 128 100
 49 174.6 120.7 224.1
 130 126.2 91.5 169.9
 51 53.7 44.3 66.5



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

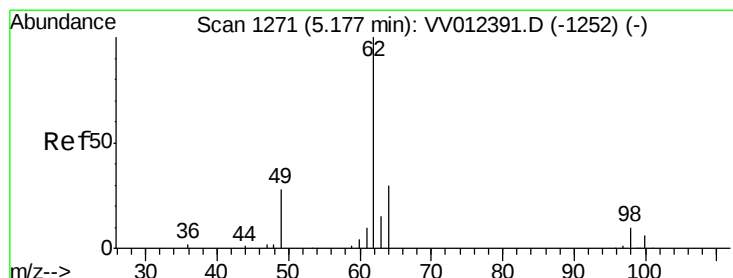
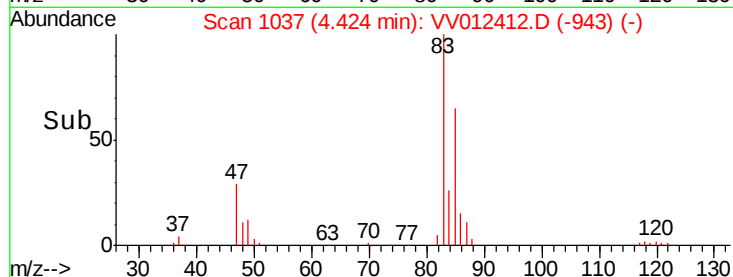
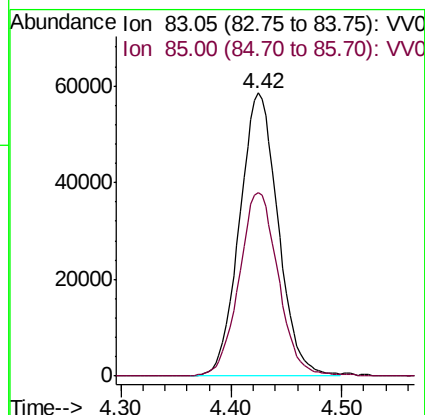
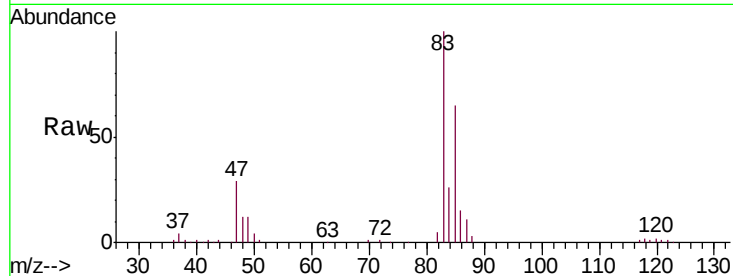




#25
Chloroform
Concen: 4.936 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012412.D
Acq: 26 Aug 2019 20:01

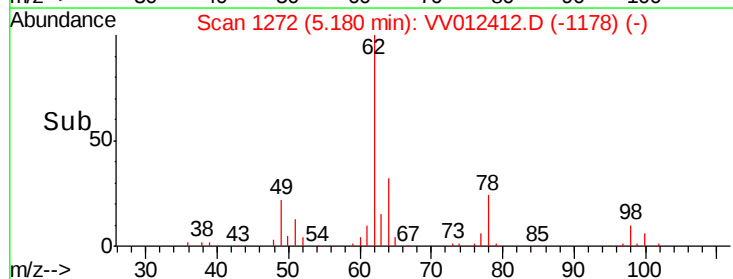
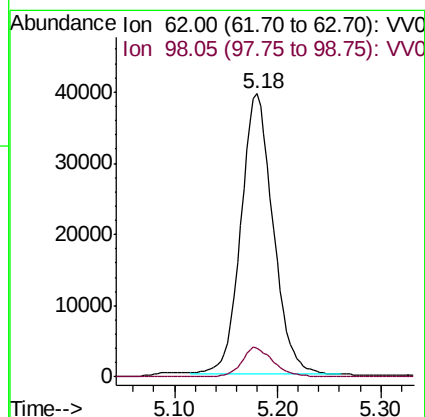
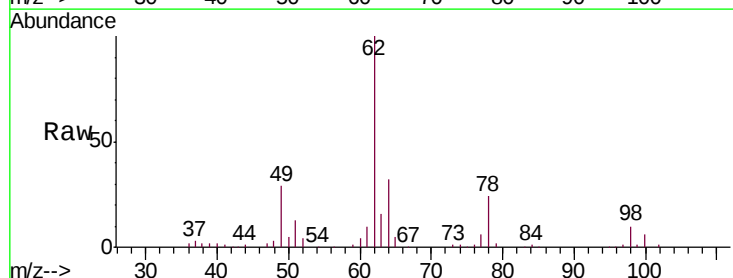
Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

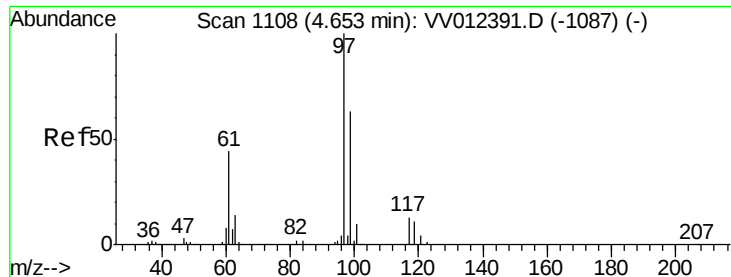
Tgt Ion: 83 Resp: 141692
Ion Ratio Lower Upper
83 100
85 64.9 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.656 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012412.D
Acq: 26 Aug 2019 20:01

Tgt Ion: 62 Resp: 85673
Ion Ratio Lower Upper
62 100
98 10.1 7.6 11.4

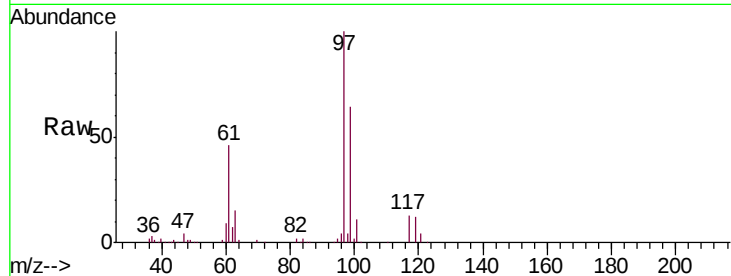




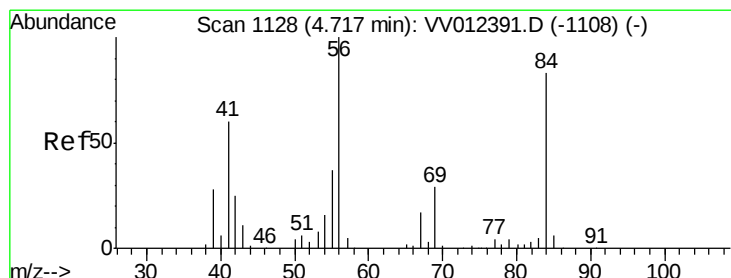
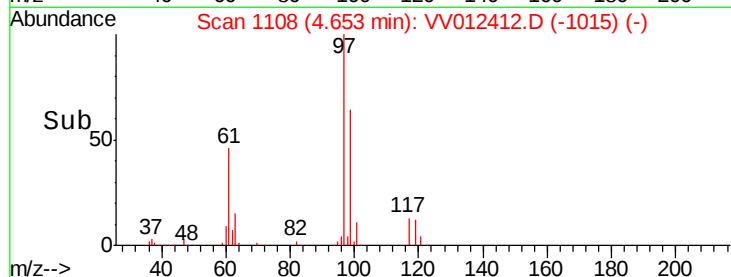
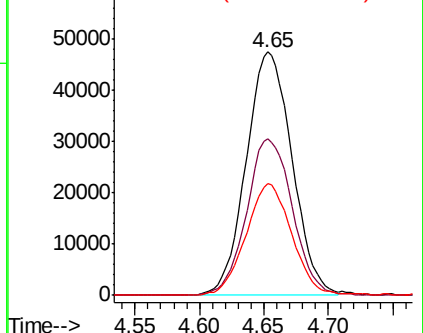
#29
 1,1,1-Trichloroethane
 Concen: 5.107 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV012412.D
 Acq: 26 Aug 2019 20:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

Tgt Ion: 97 Resp: 118002
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.5 75.7
 61 46.0 35.4 53.2

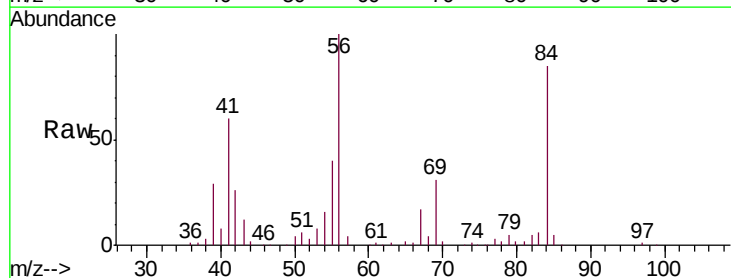


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

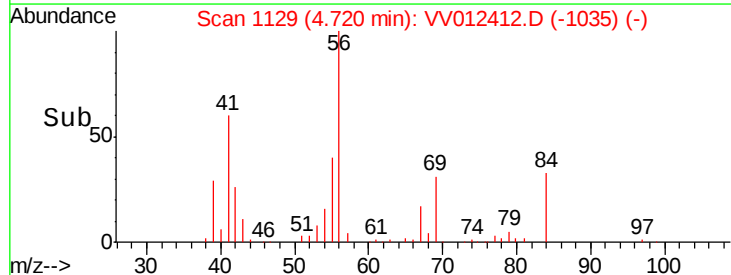
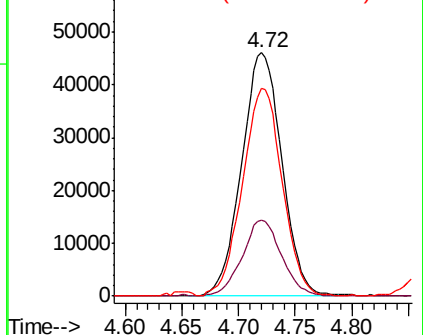


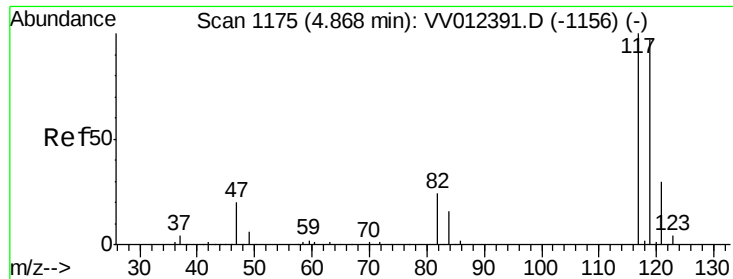
#30
 Cyclohexane
 Concen: 4.770 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012412.D
 Acq: 26 Aug 2019 20:01

Tgt Ion: 56 Resp: 113872
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.0 36.0
 84 84.4 67.9 101.9



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: 5.204 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

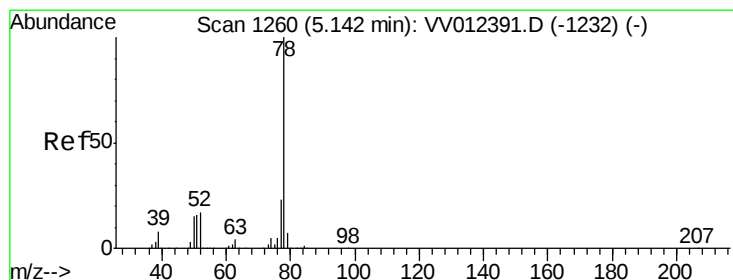
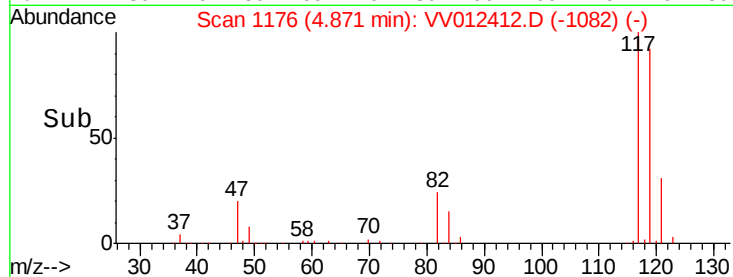
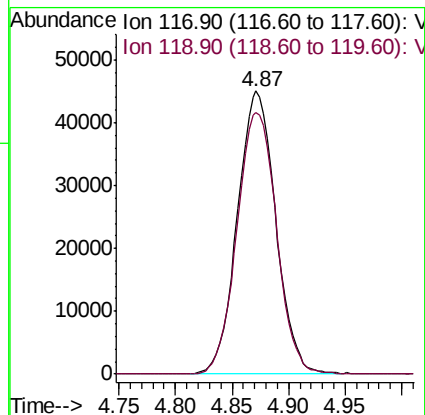
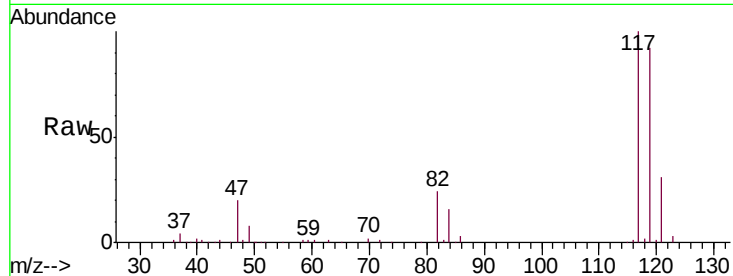
VSTD00552

Tgt Ion:117 Resp: 106332

Ion Ratio Lower Upper

117 100

119 95.4 77.8 116.8



#33

Benzene

Concen: 5.190 ug/L

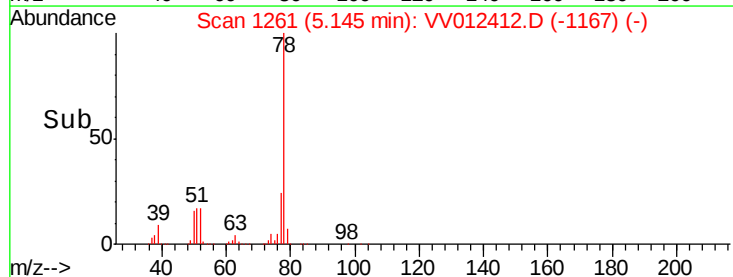
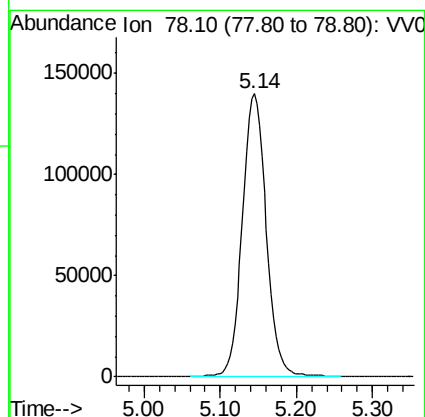
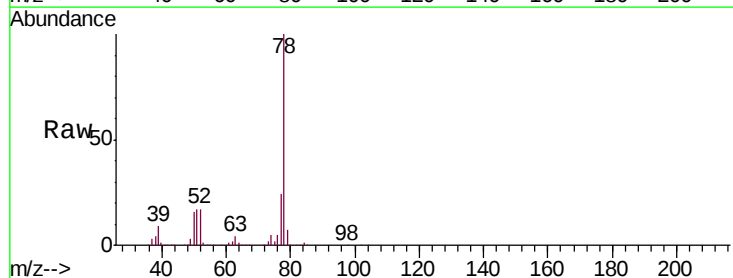
RT: 5.14 min Scan# 1261

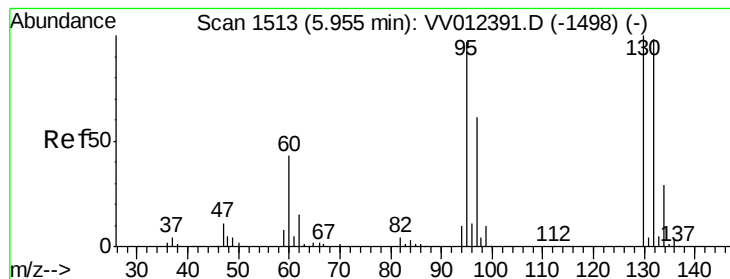
Delta R.T. 0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

Tgt Ion: 78 Resp: 306109





#34

Trichloroethene

Concen: 5.016 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

Tgt Ion: 95 Resp: 79845

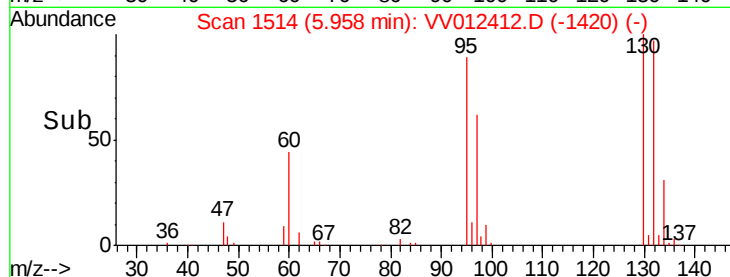
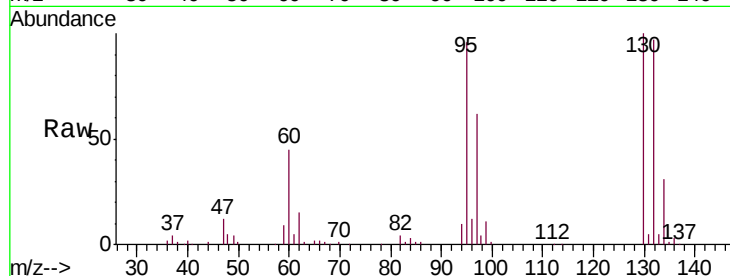
Ion Ratio Lower Upper

95 100

97 64.6 46.3 86.1

132 101.2 70.3 130.7

130 103.9 72.4 134.5

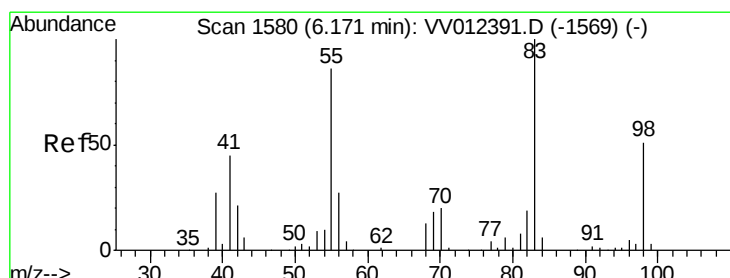
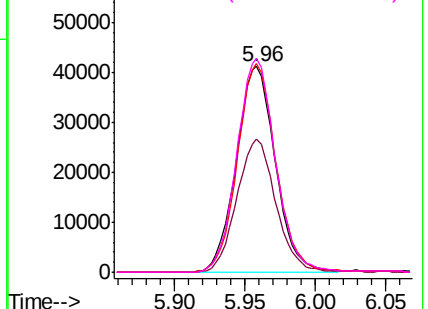


Abundance Ion 95.00 (94.70 to 95.70): VV012412.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV012412.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV012412.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV012412.D (-1420) (-)



#35

Methylcyclohexane

Concen: 4.543 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

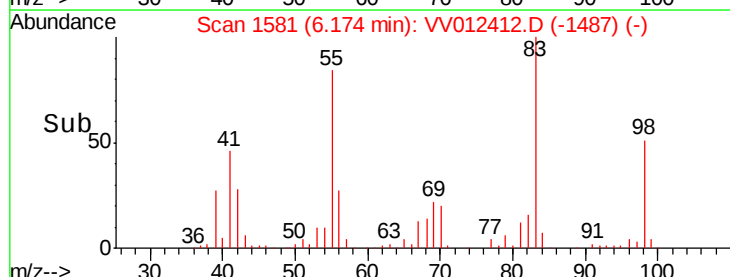
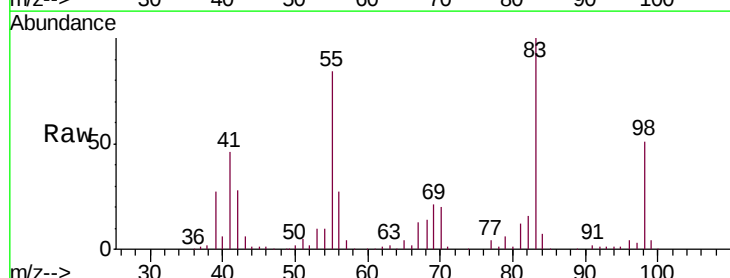
Tgt Ion: 83 Resp: 113586

Ion Ratio Lower Upper

83 100

55 83.6 64.6 97.0

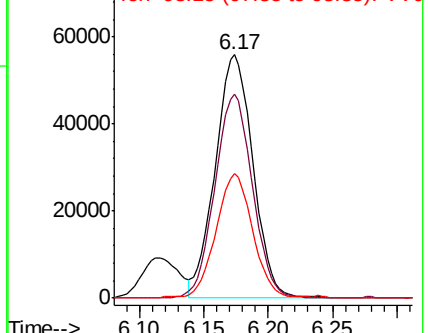
98 50.0 39.0 58.4

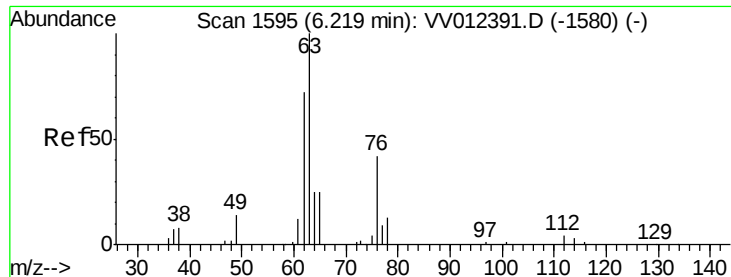


Abundance Ion 83.15 (82.85 to 83.85): VV012412.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV012412.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV012412.D (-1487) (-)

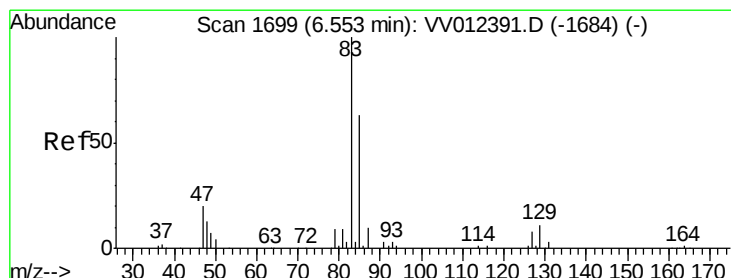
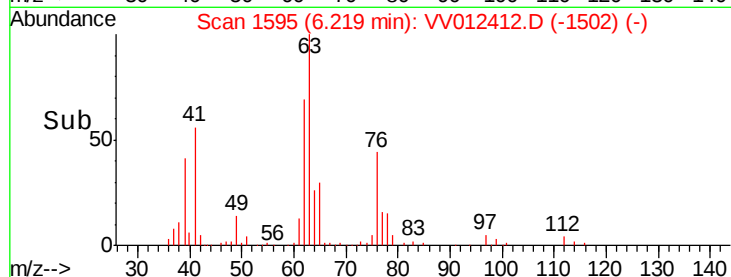
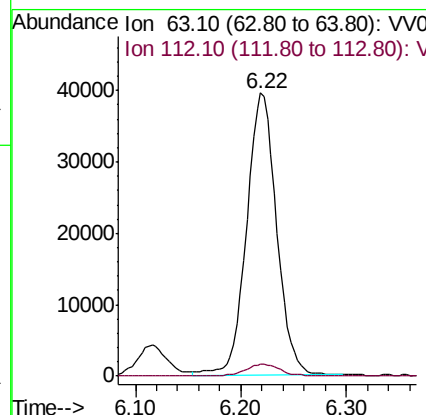
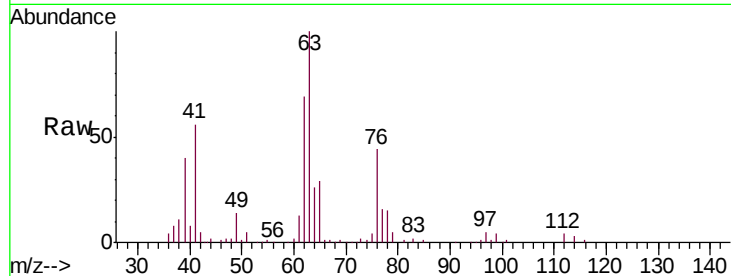




#37
 1,2-Dichloropropane
 Concen: 5.241 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012412.D
 Acq: 26 Aug 2019 20:01

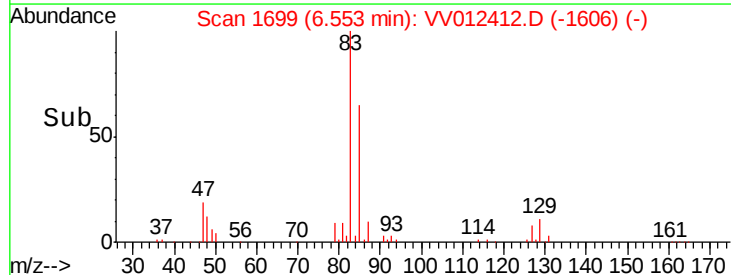
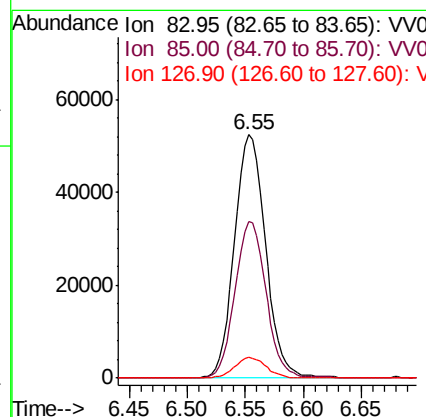
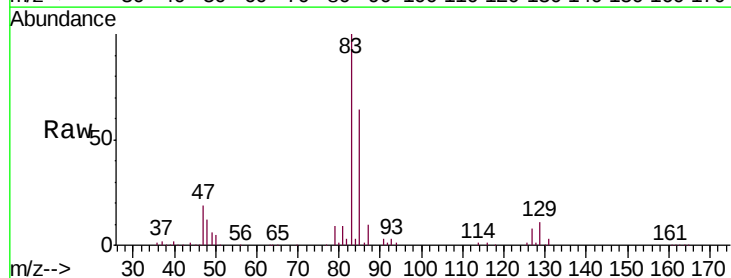
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

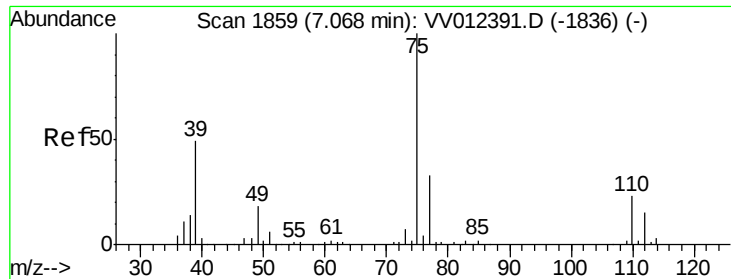
Tgt Ion: 63 Resp: 78324
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.2 6.2



#38
 Bromodichloromethane
 Concen: 5.304 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012412.D
 Acq: 26 Aug 2019 20:01

Tgt Ion: 83 Resp: 97788
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.0 83.6
 127 8.5 7.7 11.5

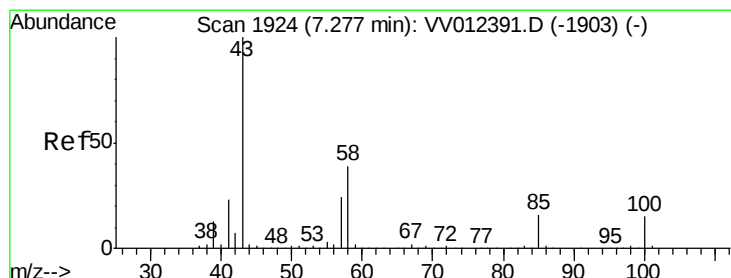
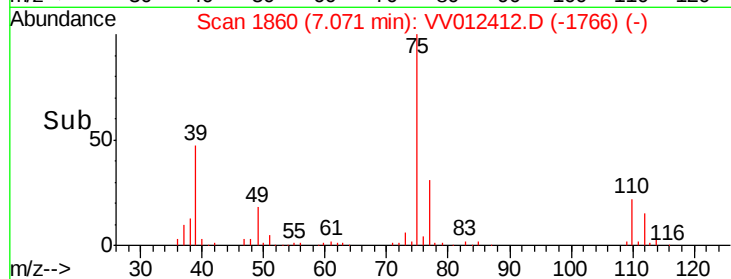
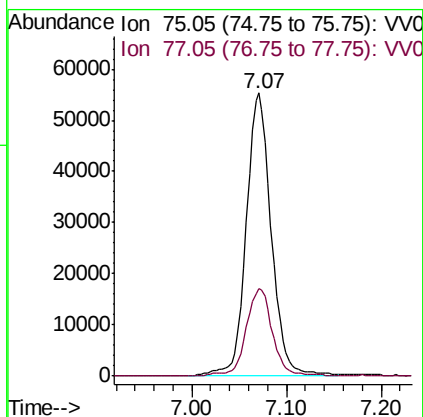
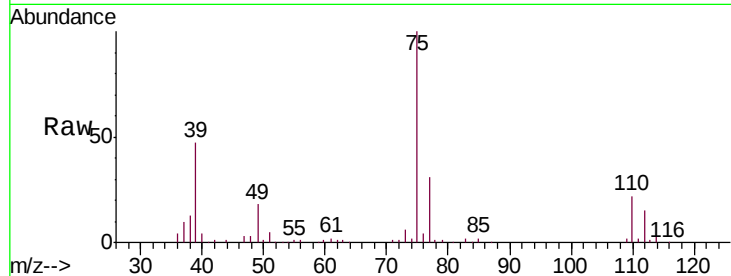




#39
 cis-1,3-Dichloropropene
 Concen: 5.065 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012412.D
 Acq: 26 Aug 2019 20:01

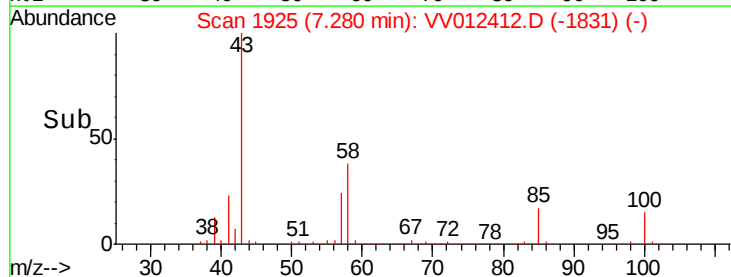
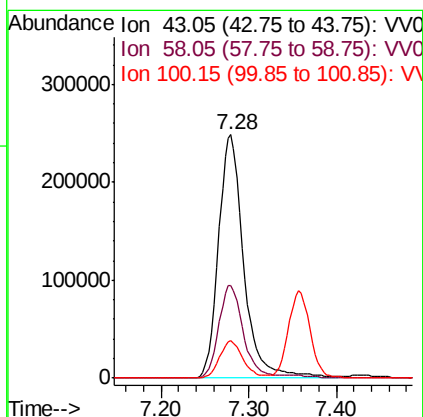
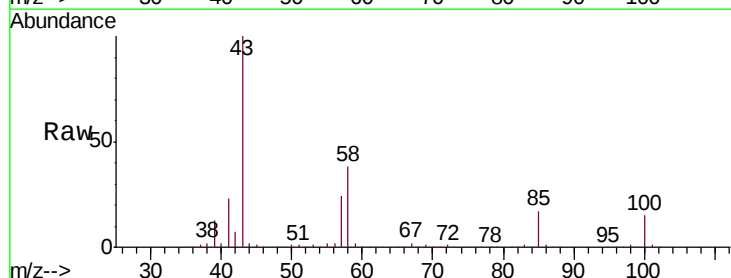
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

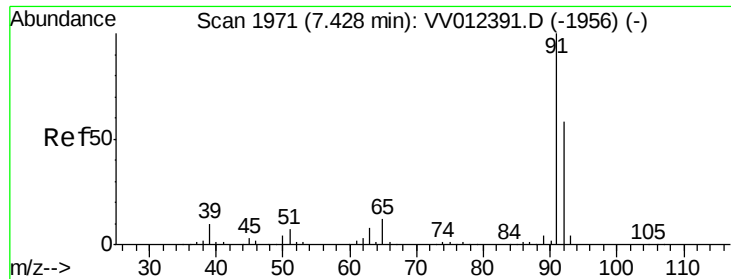
Tgt Ion: 75 Resp: 101761
 Ion Ratio Lower Upper
 75 100
 77 30.8 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 62.104 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012412.D
 Acq: 26 Aug 2019 20:01

Tgt Ion: 43 Resp: 498557
 Ion Ratio Lower Upper
 43 100
 58 37.1 30.7 46.1
 100 14.2 11.8 17.6





#42

Toluene

Concen: 5.329 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

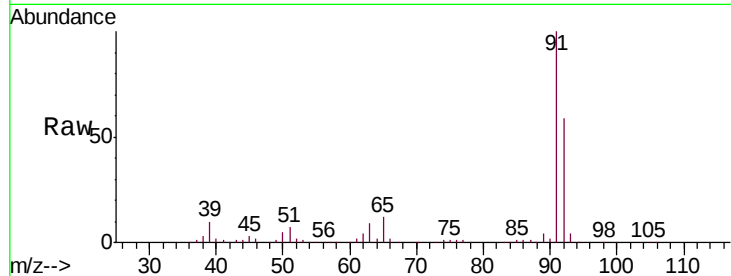
VSTD00552

Tgt Ion: 91 Resp: 321011

Ion Ratio Lower Upper

91 100

92 59.2 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

150000

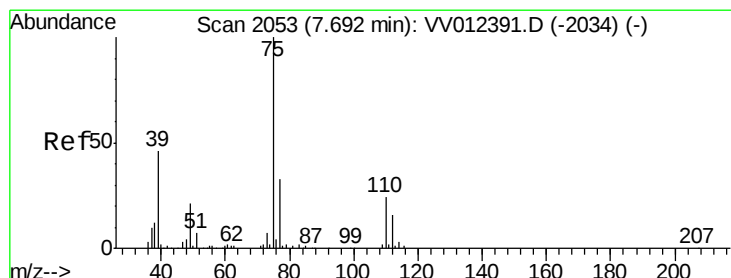
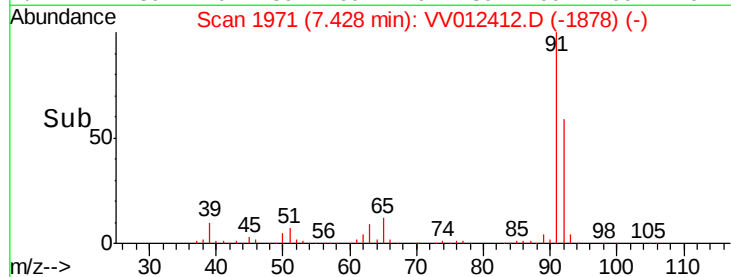
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.371 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012412.D

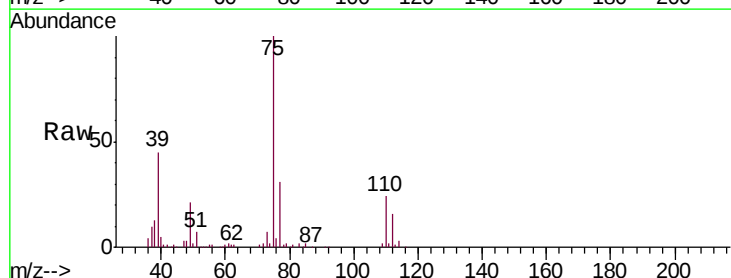
Acq: 26 Aug 2019 20:01

Tgt Ion: 75 Resp: 81635

Ion Ratio Lower Upper

75 100

77 31.2 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

50000

40000

30000

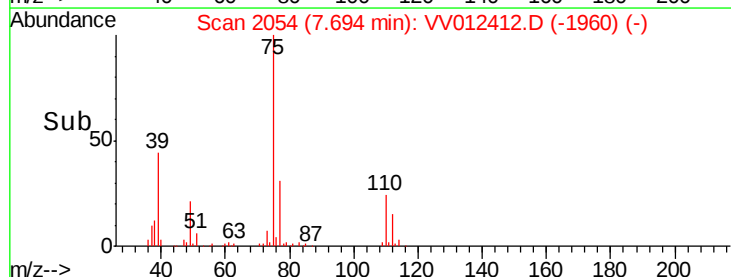
20000

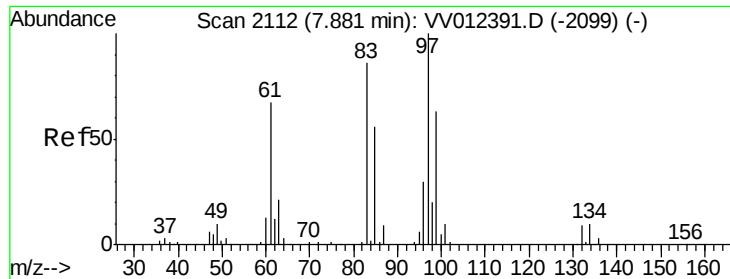
10000

0

7.60 7.70 7.80

Time-->

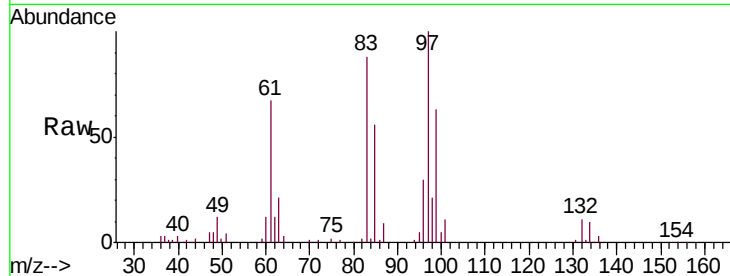




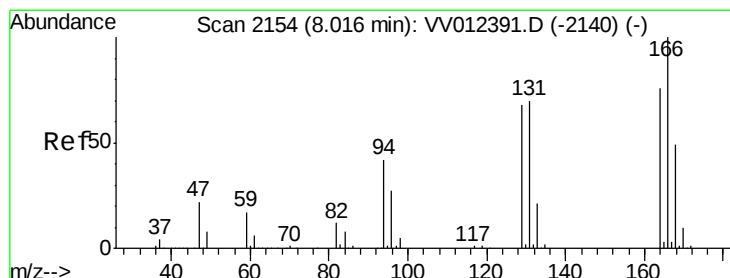
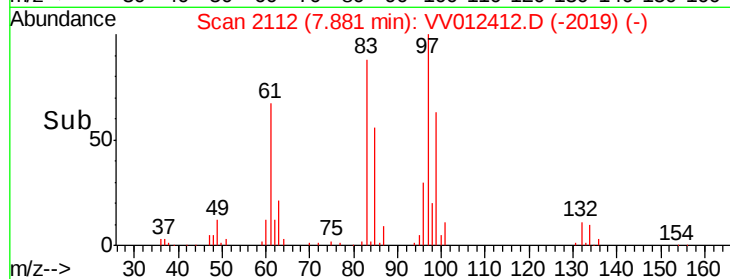
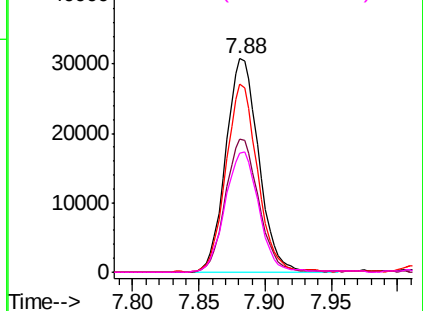
#45
 1,1,2-Trichloroethane
 Concen: 5.523 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012412.D
 Acq: 26 Aug 2019 20:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

Tgt Ion:	97	Resp:	53474
Ion	Ratio	Lower	Upper
97	100		
99	62.6	45.0	83.6
83	87.8	59.3	110.1
85	55.9	38.8	72.0

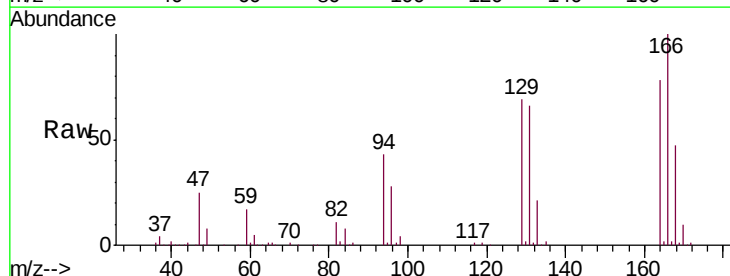


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

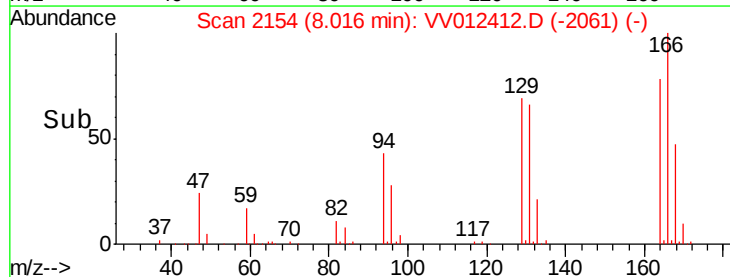
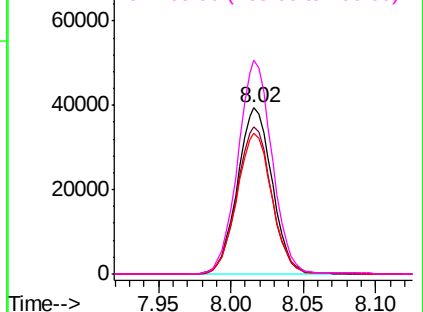


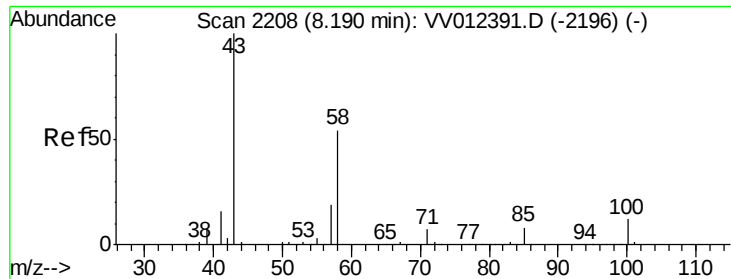
#47
 Tetrachloroethene
 Concen: 5.117 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012412.D
 Acq: 26 Aug 2019 20:01

Tgt Ion:	164	Resp:	65716
Ion	Ratio	Lower	Upper
164	100		
129	89.0	60.6	112.6
131	84.8	58.8	109.2
166	128.7	87.6	162.8



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: 62.488 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

Tgt Ion: 43 Resp: 360952

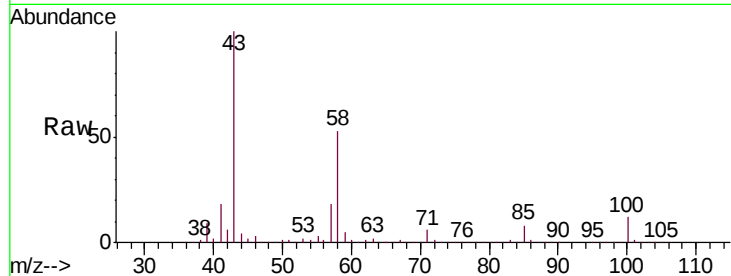
Ion Ratio Lower Upper

43 100

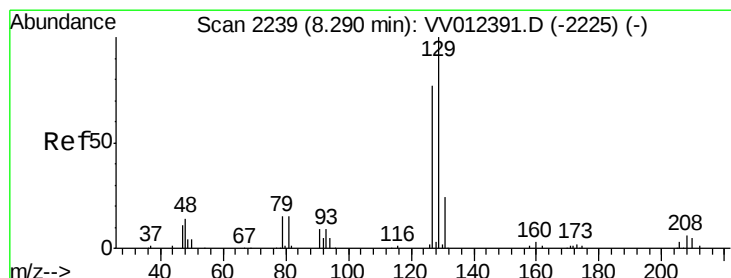
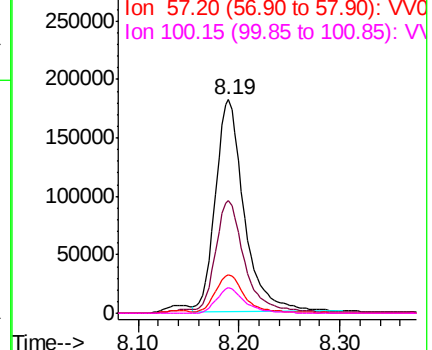
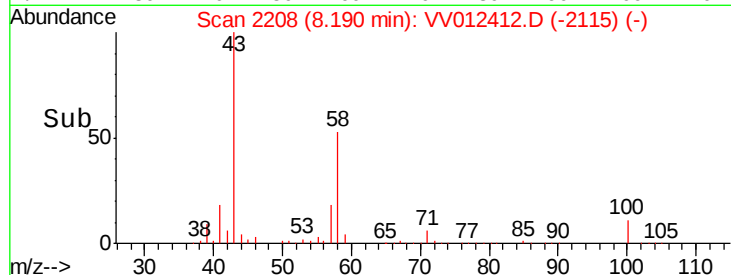
58 55.9 46.3 69.5

57 18.0 14.9 22.3

100 11.7 9.7 14.5



Abundance Ion 43.05 (42.75 to 43.75): VV012412.D (-2115) (-)



#49

Dibromochloromethane

Concen: 5.385 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VV012412.D

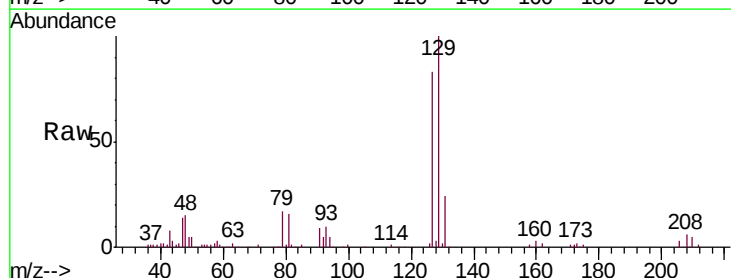
Acq: 26 Aug 2019 20:01

Tgt Ion: 129 Resp: 62479

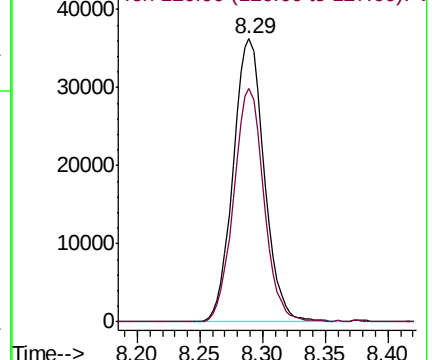
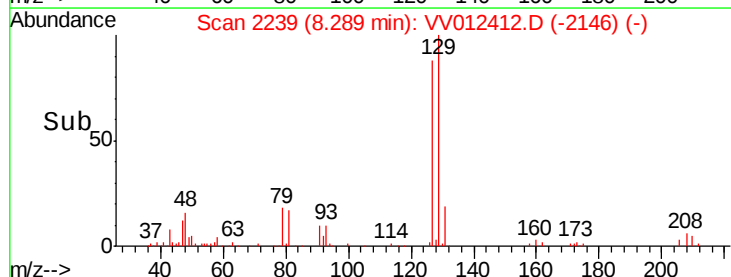
Ion Ratio Lower Upper

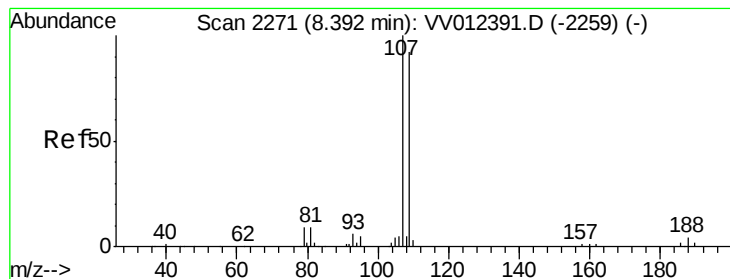
129 100

127 82.6 53.8 99.8



Abundance Ion 128.95 (128.65 to 129.65): VV012412.D (-2146) (-)





#50

1,2-Dibromoethane

Concen: 5.387 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

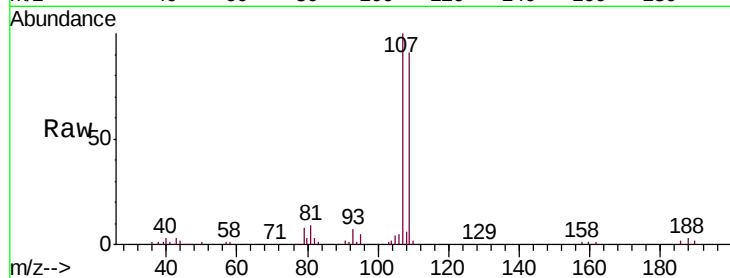
Tgt Ion:107 Resp: 49306

Ion Ratio Lower Upper

107 100

109 91.5 64.9 120.5

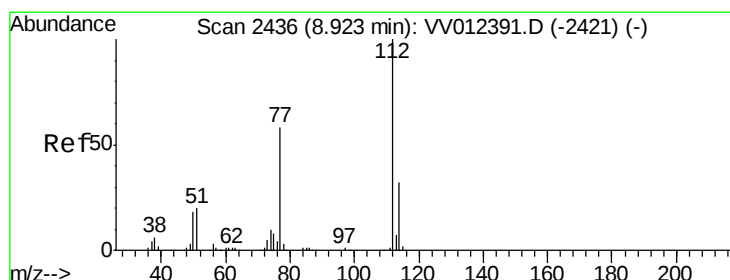
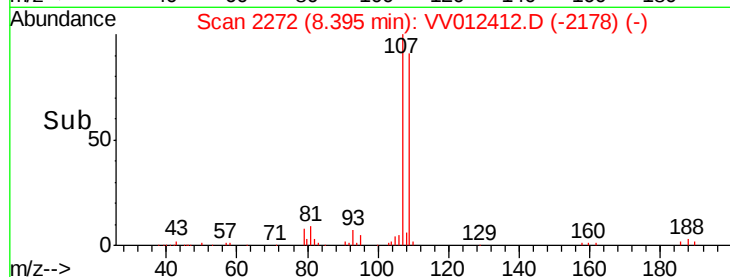
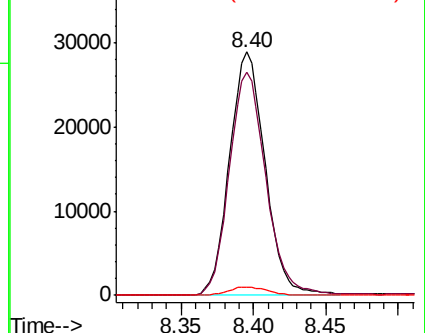
188 3.5 3.5 5.3#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.065 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

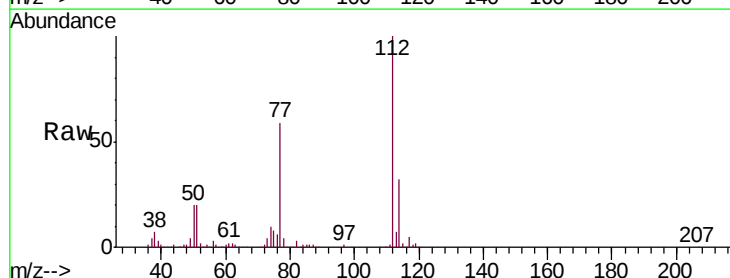
Tgt Ion:112 Resp: 199354

Ion Ratio Lower Upper

112 100

114 32.0 23.0 42.6

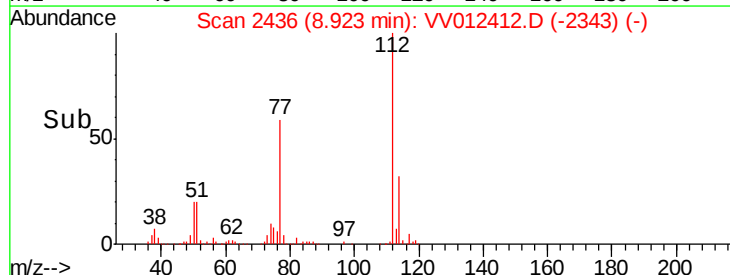
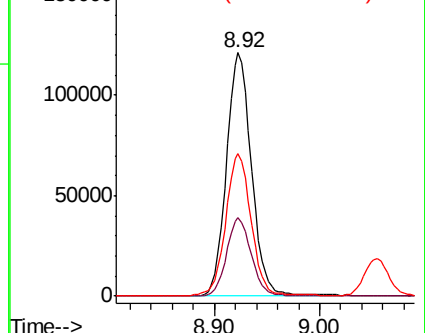
77 58.6 46.4 69.6

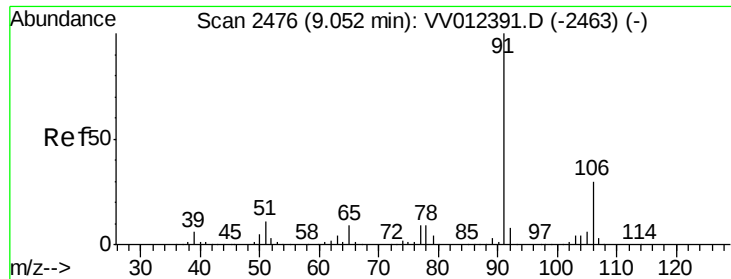


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

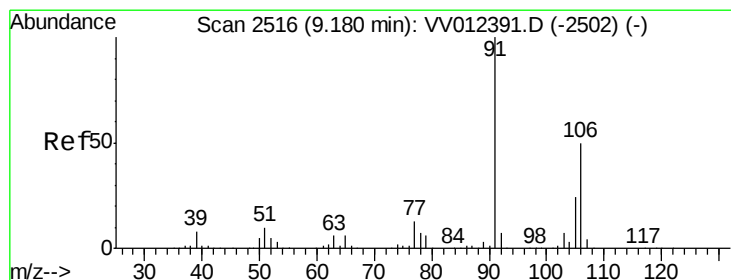
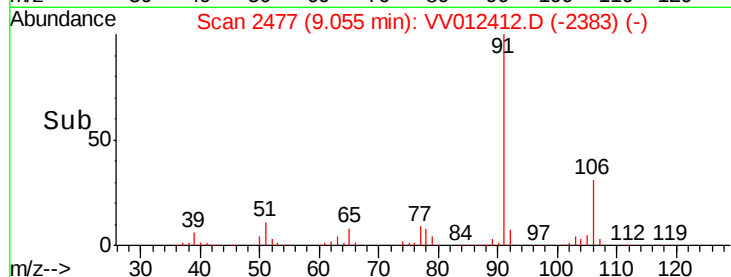
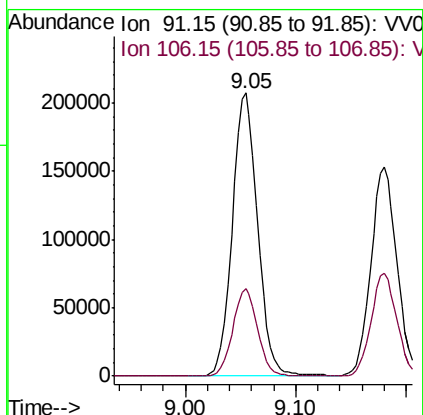
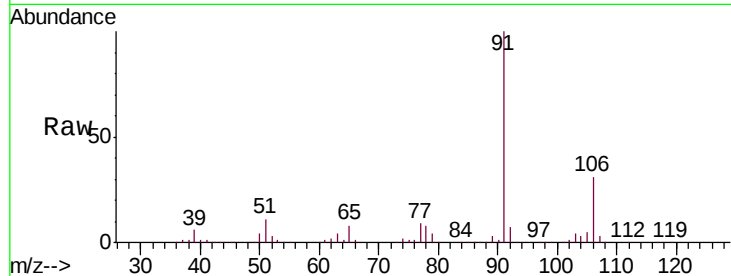




#52
Ethylbenzene
Concen: 5.084 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012412.D
Acq: 26 Aug 2019 20:01

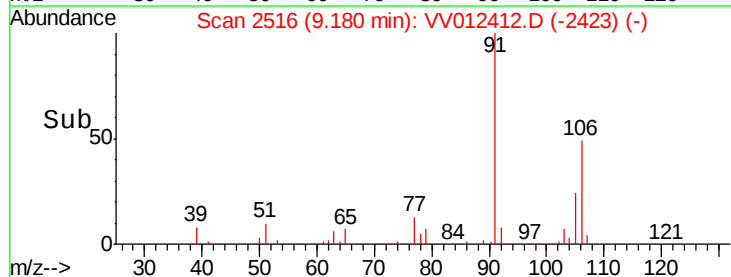
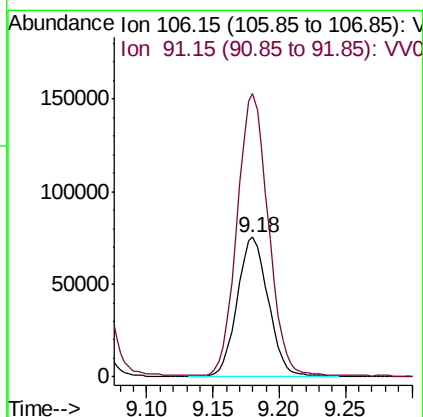
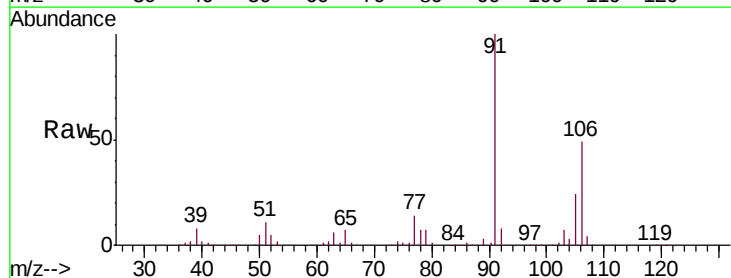
Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

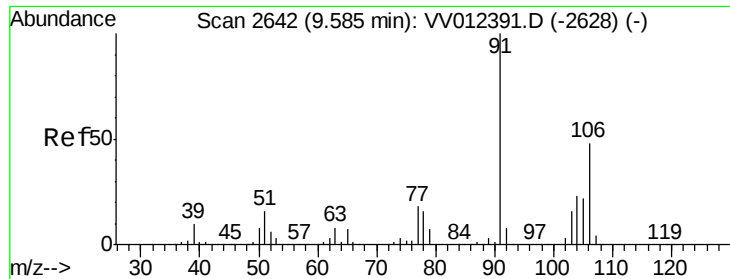
Tgt Ion: 91 Resp: 329638
Ion Ratio Lower Upper
91 100
106 30.8 21.7 40.3



#53
m,p-xylene
Concen: 5.044 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV012412.D
Acq: 26 Aug 2019 20:01

Tgt Ion: 106 Resp: 122606
Ion Ratio Lower Upper
106 100
91 202.3 140.8 261.4

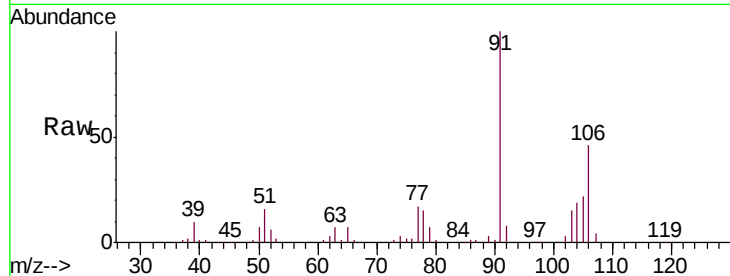




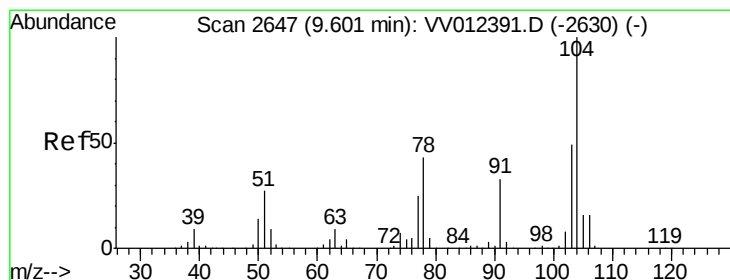
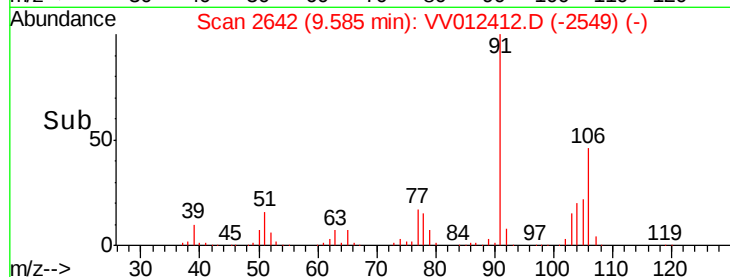
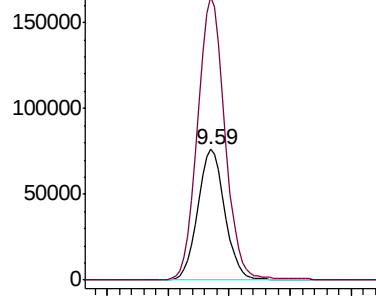
#54
o-xylene
Concen: 5.161 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012412.D
Acq: 26 Aug 2019 20:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

Tgt Ion:106 Resp: 119396
Ion Ratio Lower Upper
106 100
91 216.8 149.5 277.7

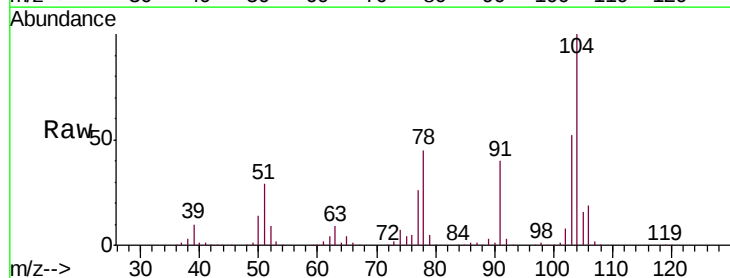


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

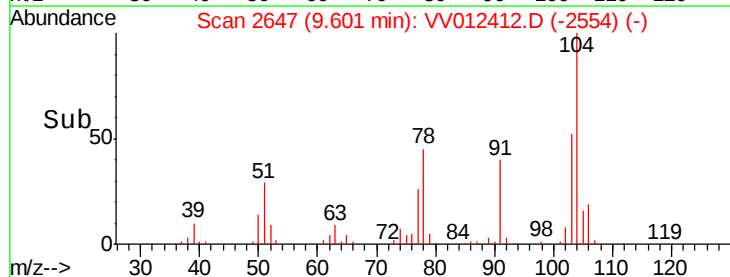
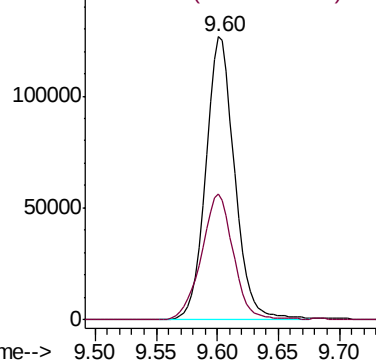


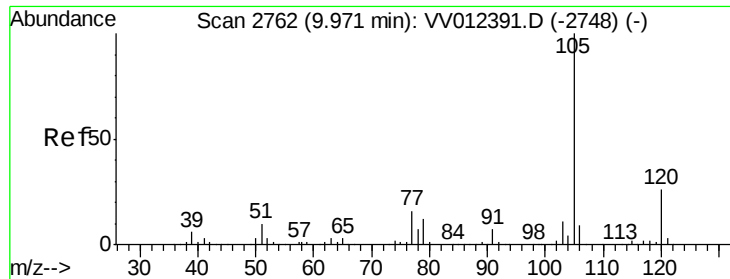
#55
Styrene
Concen: 5.365 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012412.D
Acq: 26 Aug 2019 20:01

Tgt Ion:104 Resp: 207653
Ion Ratio Lower Upper
104 100
78 44.5 29.8 55.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.110 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

Instrument :

MSVOA_V

ClientSampled :

VSTD00552

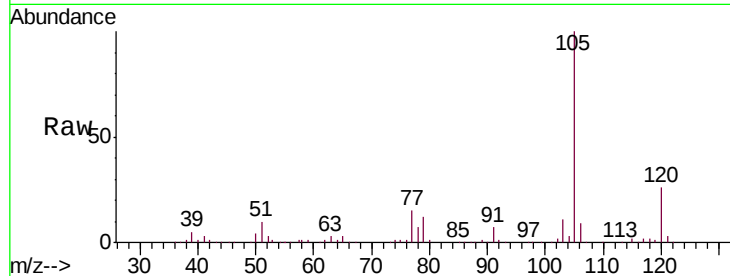
Tgt Ion:105 Resp: 316381

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

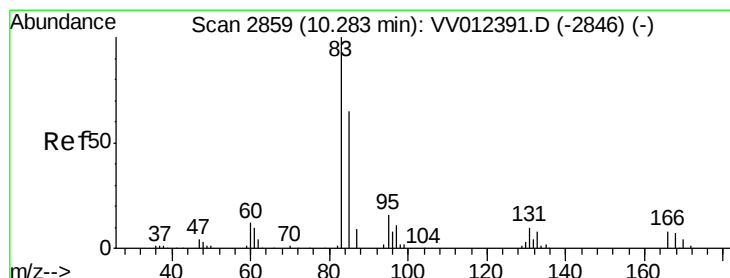
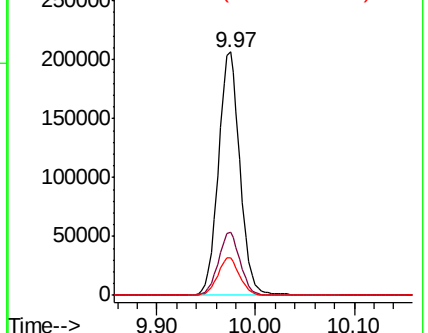
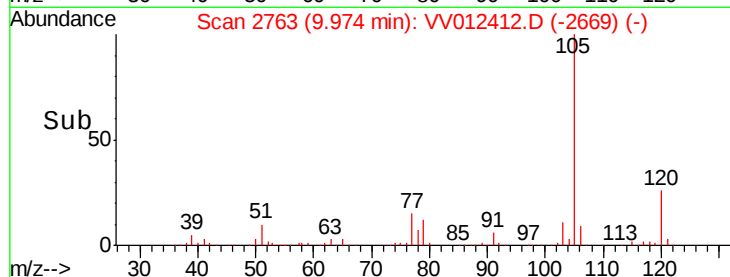
77 15.8 12.5 18.7



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: 5.441 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

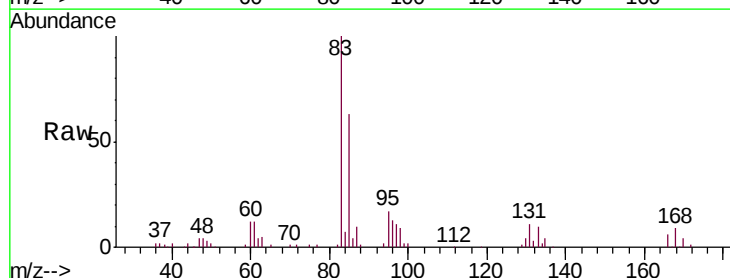
Tgt Ion: 83 Resp: 56545

Ion Ratio Lower Upper

83 100

85 63.3 46.5 86.5

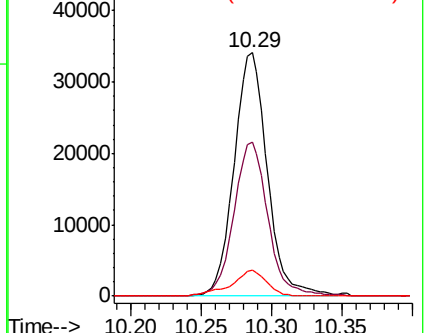
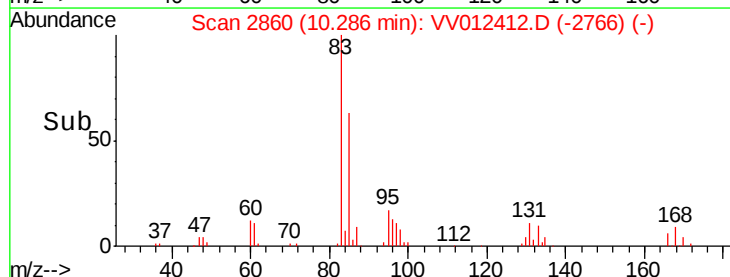
131 10.5 8.9 13.3

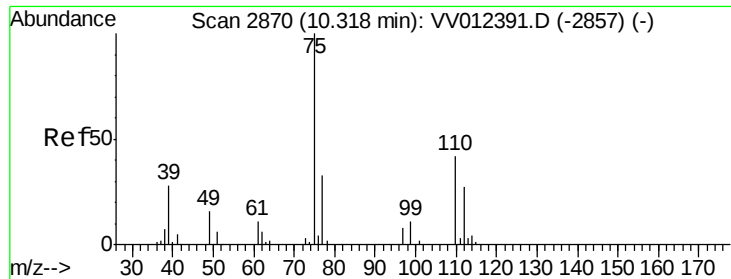


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.535 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

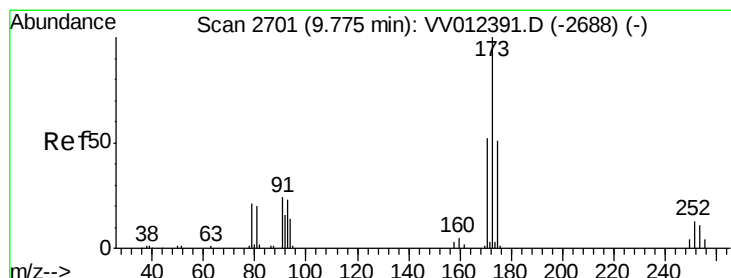
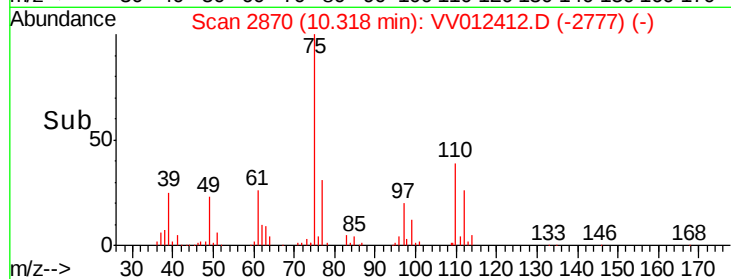
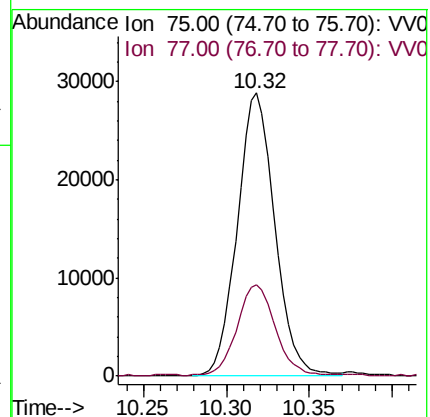
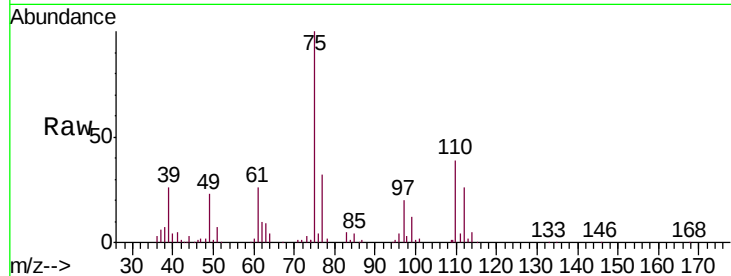
VSTD00552

Tgt Ion: 75 Resp: 45443

Ion Ratio Lower Upper

75 100

77 33.3 25.9 38.9



#61

Bromoform

Concen: 5.282 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

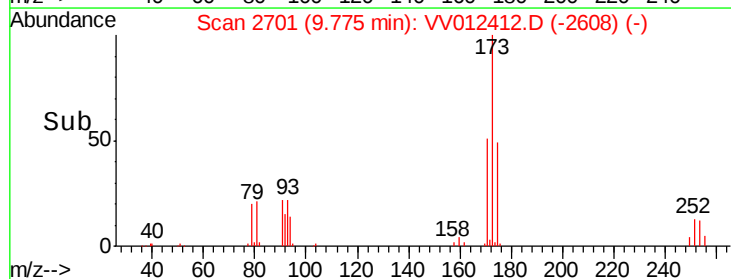
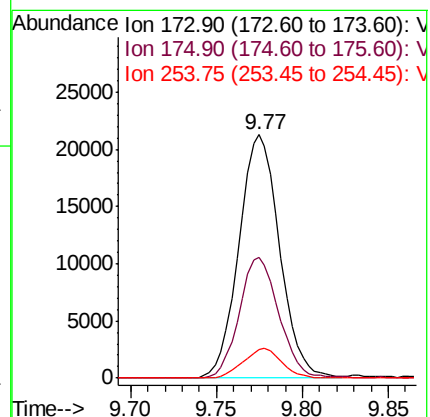
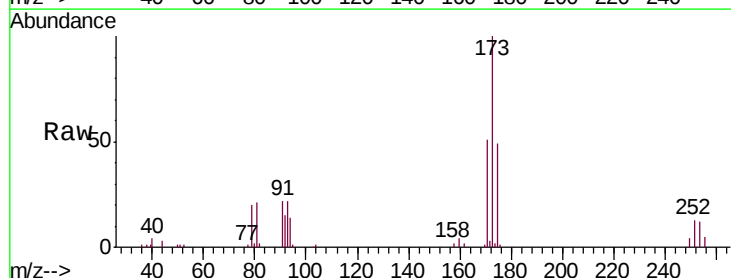
Tgt Ion: 173 Resp: 35071

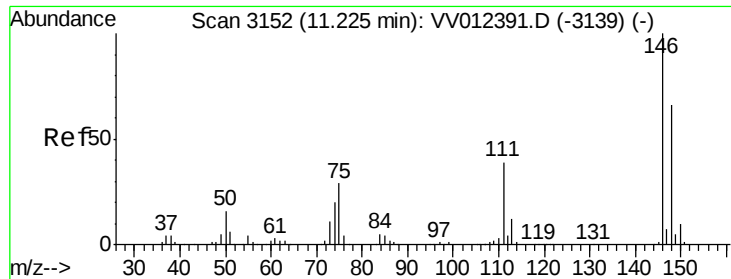
Ion Ratio Lower Upper

173 100

175 48.2 40.7 61.1

254 11.4 9.5 14.3

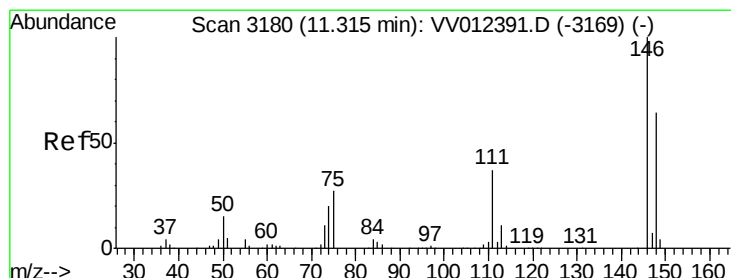
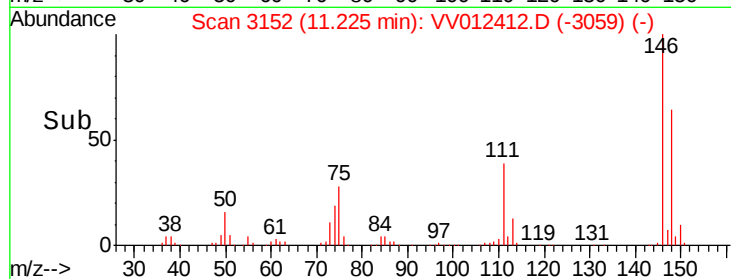
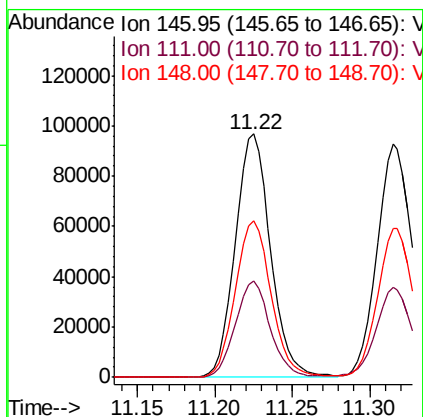
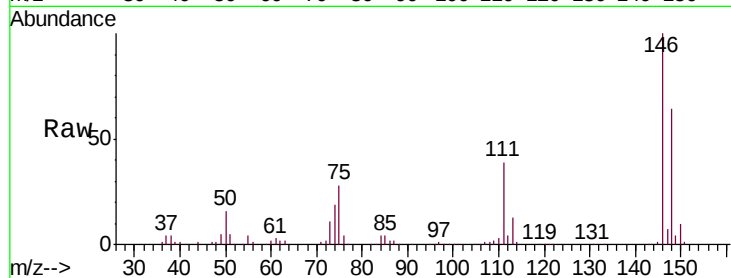




#62
 1,3-Dichlorobenzene
 Concen: 4.888 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV012412.D
 Acq: 26 Aug 2019 20:01

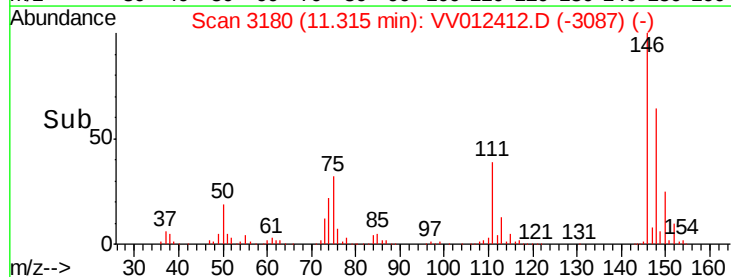
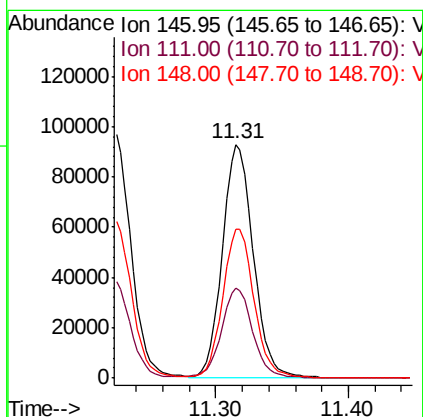
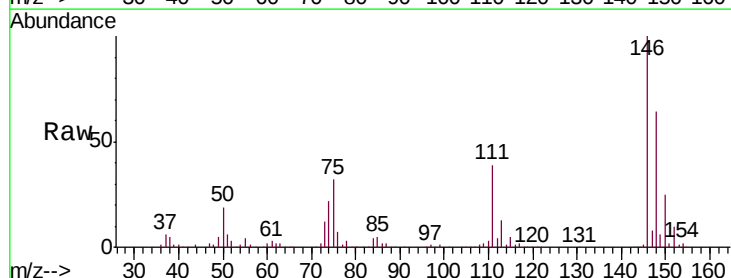
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

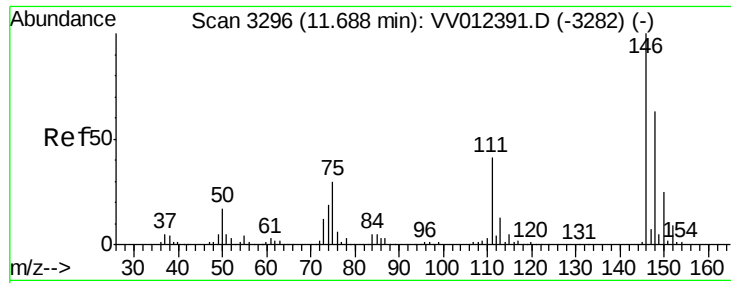
Tgt Ion:146 Resp: 153624
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.0 50.2
 148 64.1 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 4.789 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012412.D
 Acq: 26 Aug 2019 20:01

Tgt Ion:146 Resp: 150746
 Ion Ratio Lower Upper
 146 100
 111 38.8 25.7 47.7
 148 63.6 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 5.003 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

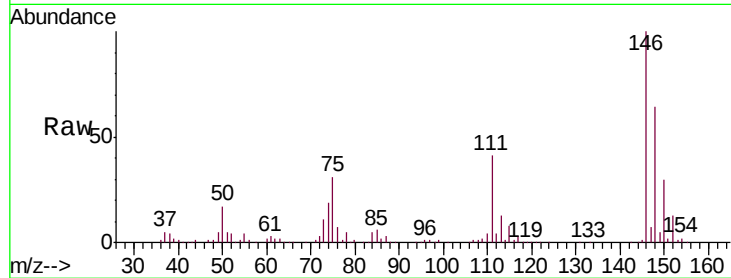
Tgt Ion:146 Resp: 144605

Ion Ratio Lower Upper

146 100

111 41.1 31.9 47.9

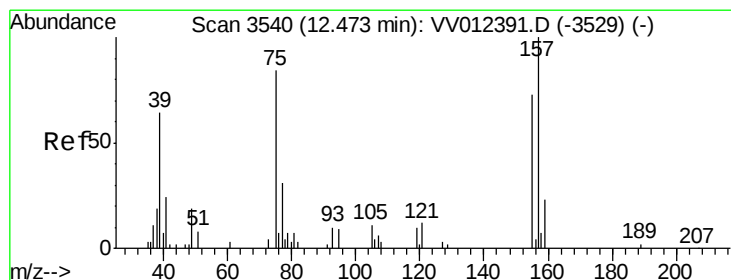
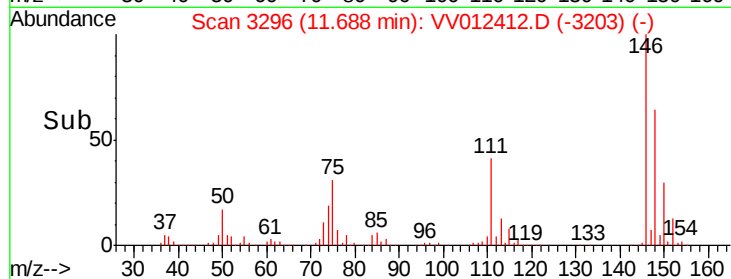
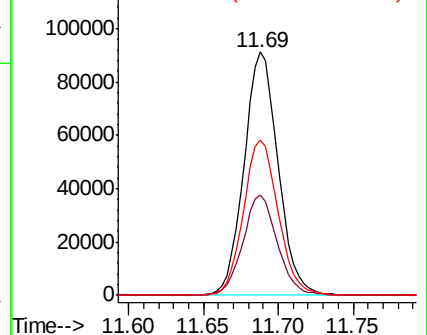
148 63.9 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.893 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

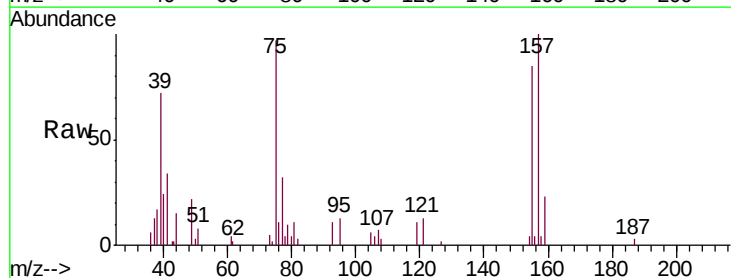
Tgt Ion: 75 Resp: 8107

Ion Ratio Lower Upper

75 100

155 87.7 72.6 109.0

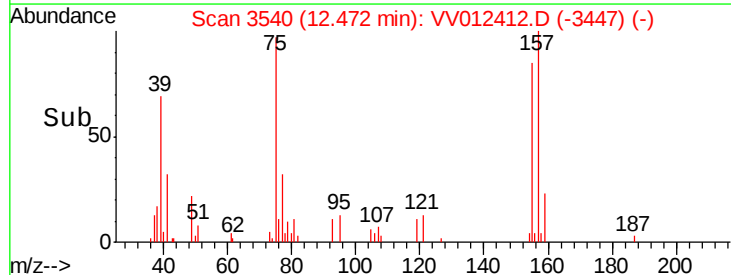
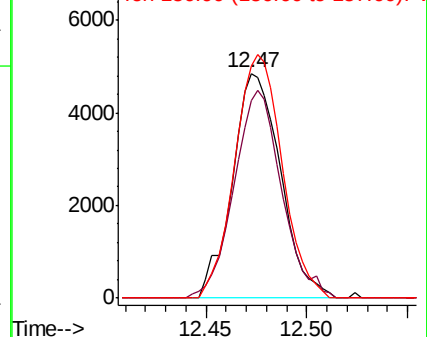
157 103.2 80.5 120.7

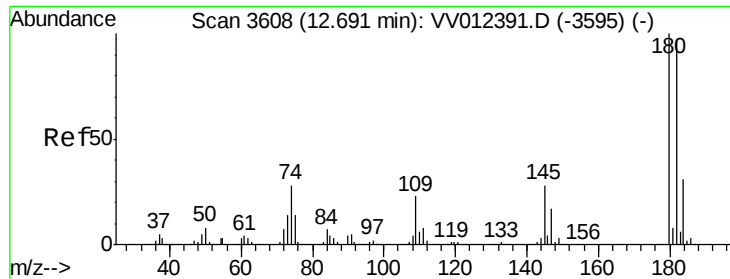


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

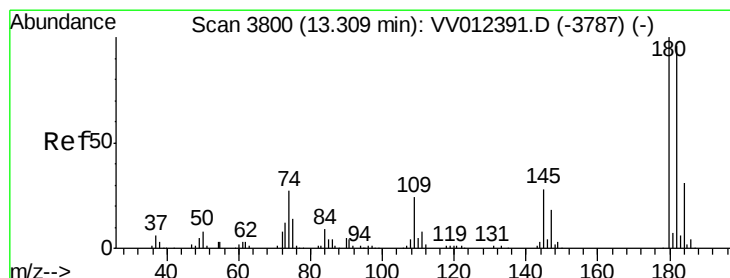
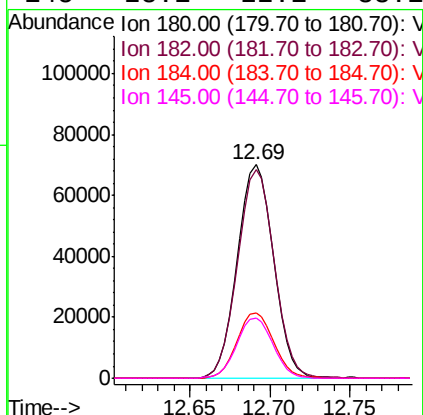
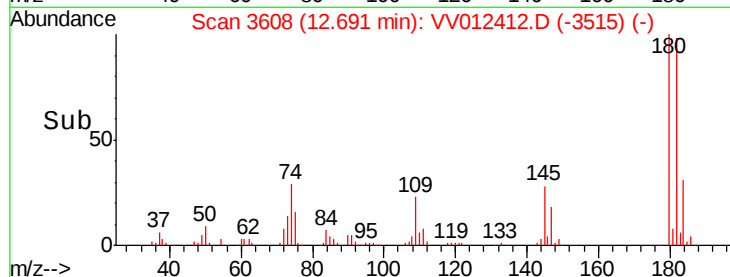
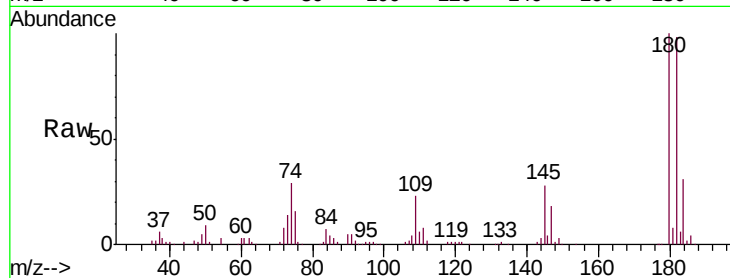




#67
 1,3,5-Trichlorobenzene
 Concen: 4.506 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012412.D
 Acq: 26 Aug 2019 20:01

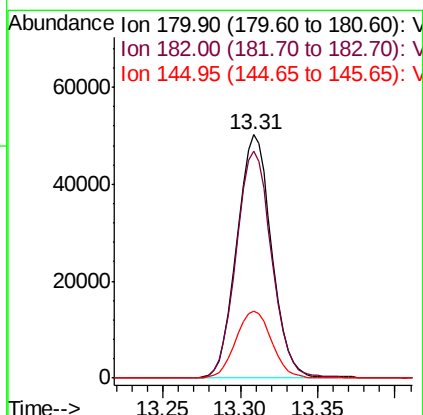
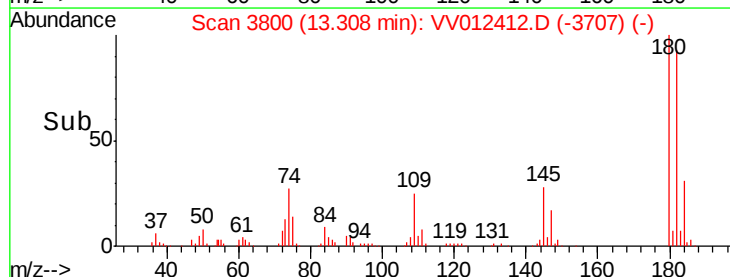
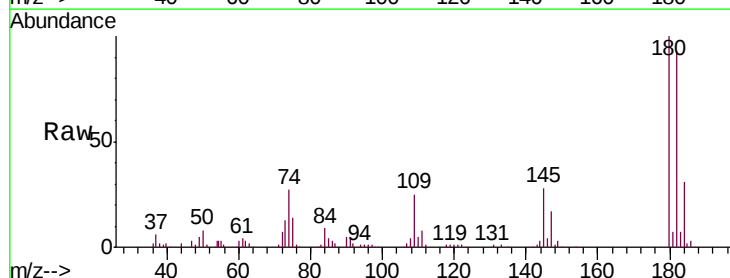
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

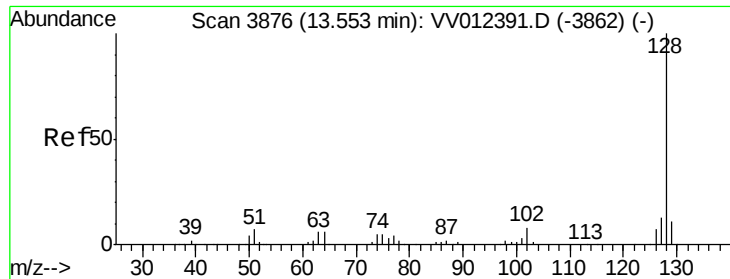
Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	76.4	114.6
184	30.9	23.9	35.9
145	28.1	22.1	33.1



#68
 1,2,4-trichlorobenzene
 Concen: 4.677 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012412.D
 Acq: 26 Aug 2019 20:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.3	115.9
145	28.4	22.6	34.0





#69

Naphthalene

Concen: 4.472 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

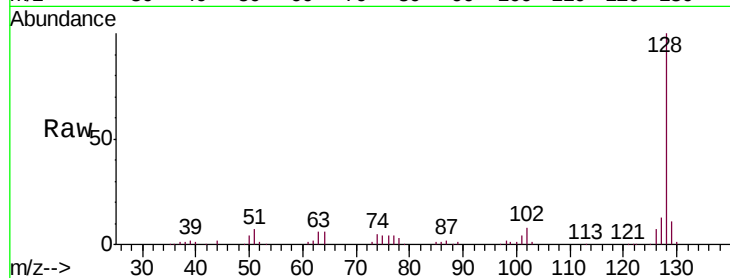
Tgt Ion:128 Resp: 103823

Ion Ratio Lower Upper

128 100

129 11.4 8.6 12.8

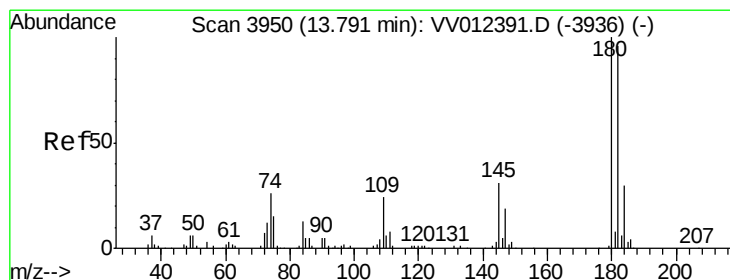
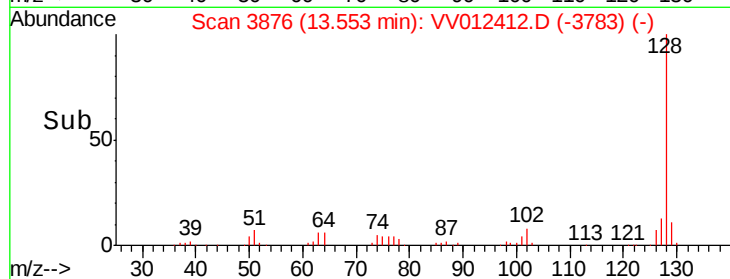
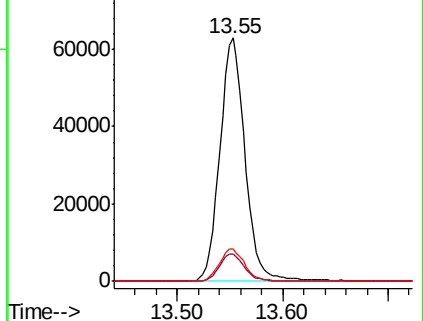
127 13.5 10.5 15.7



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: 4.961 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012412.D

Acq: 26 Aug 2019 20:01

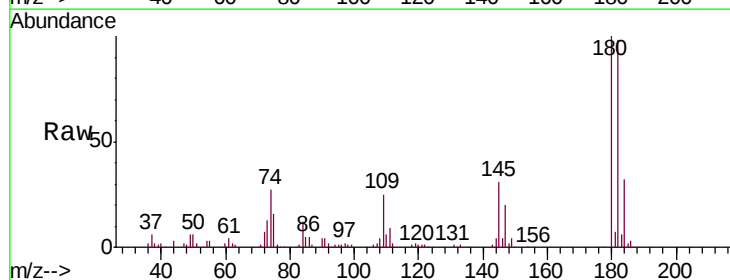
Tgt Ion:180 Resp: 77939

Ion Ratio Lower Upper

180 100

182 96.6 75.1 112.7

145 29.8 23.4 35.2



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

