

Data File : VU036824.D
Acq On : 17 Feb 2020 21:07
Operator : JC/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Quant Time: Feb 18 00:51:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 18 00:46:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	120015	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	112232	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	49868	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	39483	3.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.60%
7) Chloroethane-d5	1.93	69	39155	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.59	63	72572	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.20%
20) 2-Butanone-d5	4.67	46	109618	50.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.30%
24) Chloroform-d	5.11	84	75967	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.74	65	43080	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.76	84	159501	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.73	67	52273	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.92	98	146133	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	8.20	79	18872	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.66	63	97140	50.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.06%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	43047	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	47426	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	40088	5.058	ug/L 100
3) Chloromethane	1.54	50	41311	5.008	ug/L 99
5) Vinyl chloride	1.62	62	49160	5.102	ug/L 96
6) Bromomethane	1.87	94	25937	4.480	ug/L 89
8) Chloroethane	1.95	64	32048	4.761	ug/L 99
9) Trichlorofluoromethane	2.16	101	63769	5.030	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	39560	4.887	ug/L 100
12) 1,1-Dichloroethene	2.60	96	35721	4.893	ug/L 99
13) Acetone	2.66	43	88149	31.849	ug/L 98
14) Carbon disulfide	2.82	76	82203	4.666	ug/L 100
15) Methyl Acetate	2.98	43	19277	5.249	ug/L 98
16) Methylene chloride	3.08	84	54717	4.447	ug/L 99
17) Methyl tert-butyl Ether	3.41	73	109358	5.058	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	37570	4.987	ug/L 98
19) 1,1-Dichloroethane	3.91	63	82277	5.208	ug/L 98
21) 2-Butanone	4.75	43	131049	40.704	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	47365	5.196	ug/L 99

Data File : VU036824.D
Acq On : 17 Feb 2020 21:07
Operator : JC/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Quant Time: Feb 18 00:51:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 18 00:46:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	18512	5.108	ug/L	98
25) Chloroform	5.13	83	82261	4.876	ug/L	99
27) 1,2-Dichloroethane	5.83	62	53154	4.942	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	61990	5.029	ug/L	100
30) Cyclohexane	5.43	56	65829	5.028	ug/L	97
31) Carbon tetrachloride	5.56	117	48937	4.921	ug/L	98
33) Benzene	5.81	78	179944	5.198	ug/L	100
34) Trichloroethene	6.57	95	44798	5.081	ug/L	99
35) Methylcyclohexane	6.80	83	68631	4.905	ug/L	97
37) 1,2-Dichloropropane	6.83	63	50064	5.297	ug/L	99
38) Bromodichloromethane	7.14	83	56795	5.035	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	67447	4.931	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	309090	50.674	ug/L	100
42) Toluene	8.00	91	193430	5.203	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	53875	5.040	ug/L	94
45) 1,1,2-Trichloroethane	8.43	97	34366	5.226	ug/L	98
47) Tetrachloroethene	8.58	164	28923	4.822	ug/L	97
48) 2-Hexanone	8.71	43	228713	43.817	ug/L	99
49) Dibromochloromethane	8.83	129	34118	5.017	ug/L	98
50) 1,2-Dibromoethane	8.95	107	29723	5.005	ug/L	98
51) Chlorobenzene	9.47	112	116769	5.077	ug/L	100
52) Ethylbenzene	9.59	91	210682	5.074	ug/L	99
53) m,p-Xylene	9.72	106	77448	5.068	ug/L	95
54) o-Xylene	10.12	106	76008	5.065	ug/L	94
55) Styrene	10.13	104	128541	5.081	ug/L	100
56) Isopropylbenzene	10.50	105	206382	5.139	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	44288	5.145	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	31740	5.086	ug/L	100
61) Bromoform	10.31	173	17436	5.075	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	87002	5.064	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	84808	4.979	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	84331	5.091	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	6019	4.869	ug/L	86
67) 1,3,5-Trichlorobenzene	13.24	180	59892	4.951	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	42740	4.686	ug/L	98
69) Naphthalene	14.12	128	75237	4.553	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	40727	4.975	ug/L	97

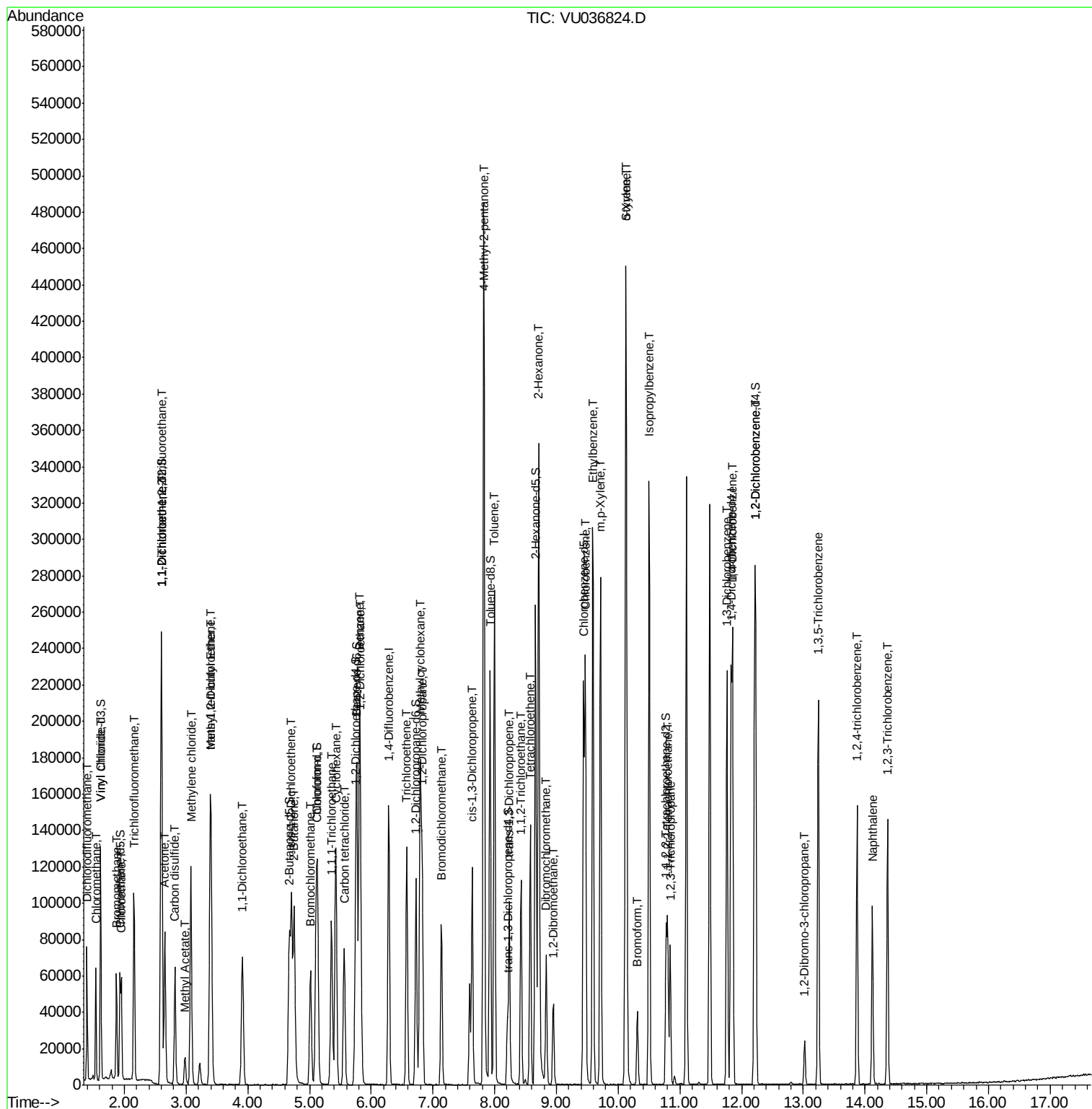
(#) = qualifier out of range (m) = manual integration (+) = signals summed

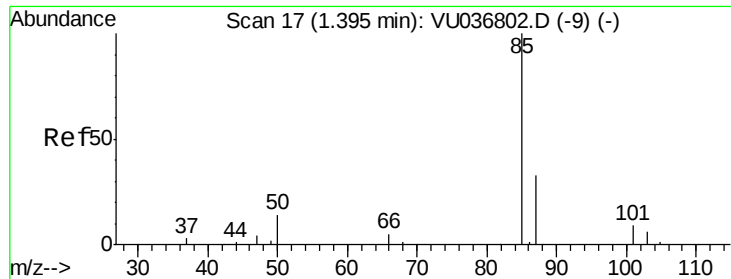
Data File : VU036824.D

```
Acq On      : 17 Feb 2020   21:07
Operator    : JC/MD
Sample      : VSTDCCC005EC
Misc        : 25.0mL/MSVOA_U/WATER
ALS Vial    : 24      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Quant Time: Feb 18 00:51:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 18 00:46:02 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.058 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

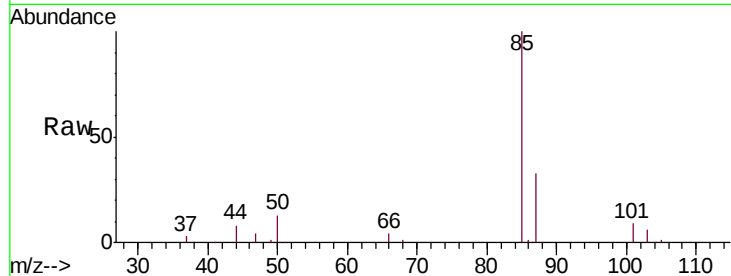
VSTD00521

Tgt Ion: 85 Resp: 40088

Ion Ratio Lower Upper

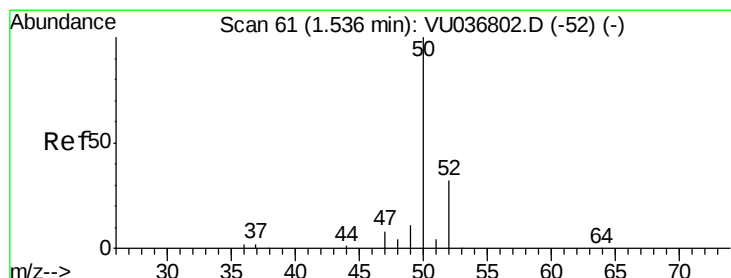
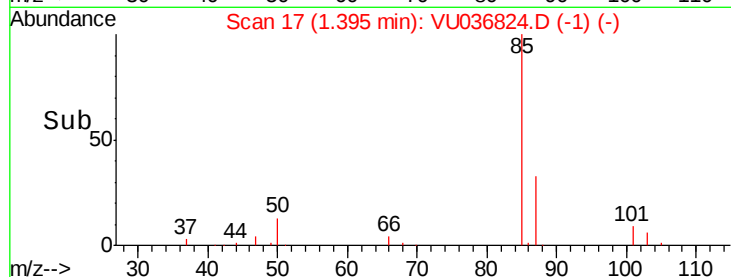
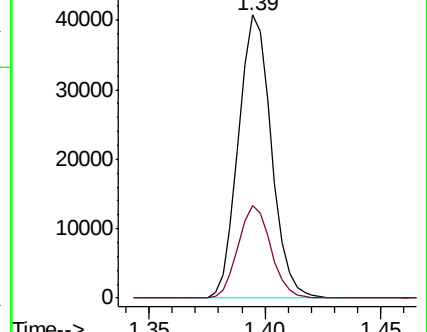
85 100

87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036802.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036802.D (-9) (-)



#3

Chloromethane

Concen: 5.008 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036824.D

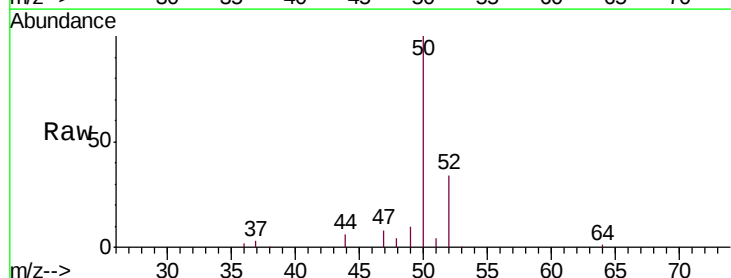
Acq: 17 Feb 2020 21:07

Tgt Ion: 50 Resp: 41311

Ion Ratio Lower Upper

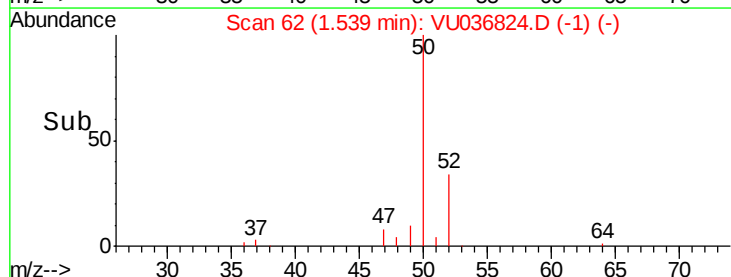
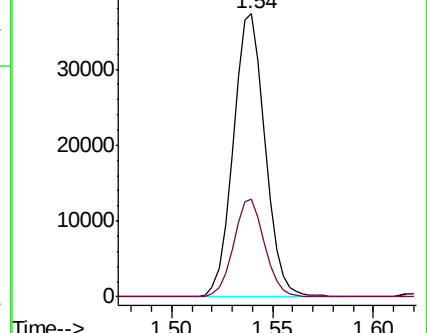
50 100

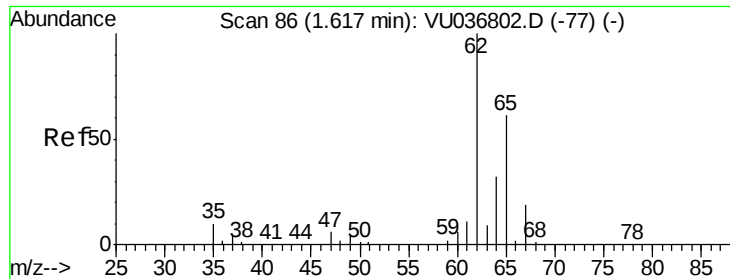
52 34.3 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036802.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036802.D (-52) (-)





#5

Vinyl chloride

Concen: 5.102 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

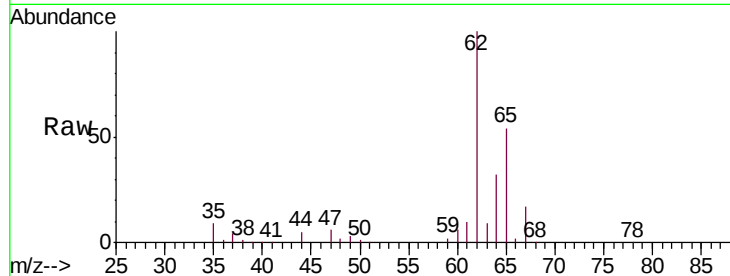
VSTD00521

Tgt Ion: 62 Resp: 49160

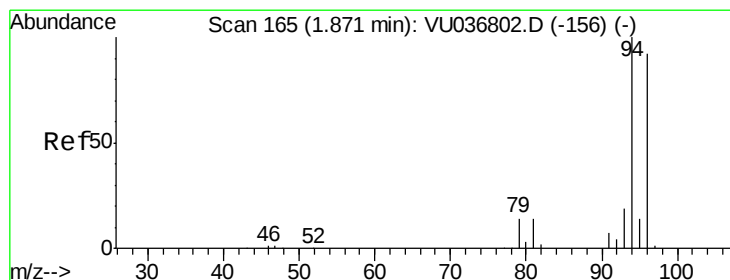
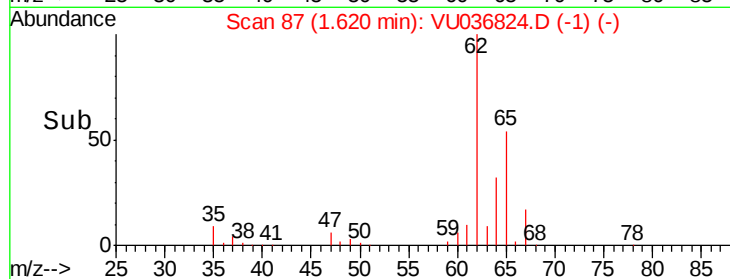
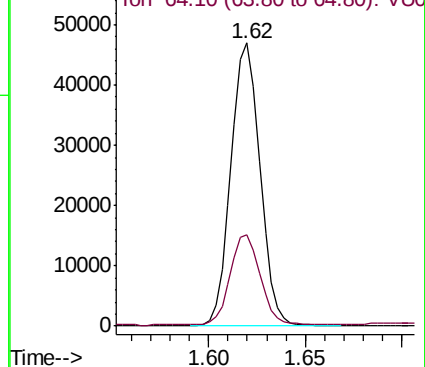
Ion Ratio Lower Upper

62 100

64 32.2 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU036824.D (-77) (-)



#6

Bromomethane

Concen: 4.480 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036824.D

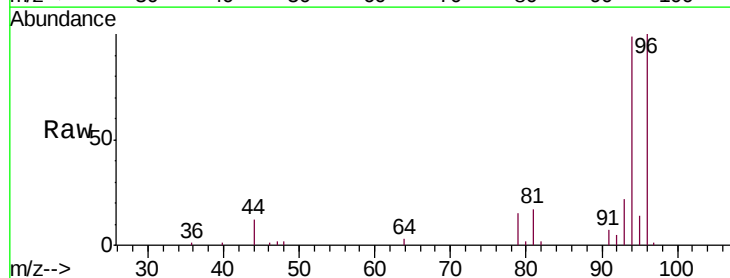
Acq: 17 Feb 2020 21:07

Tgt Ion: 94 Resp: 25937

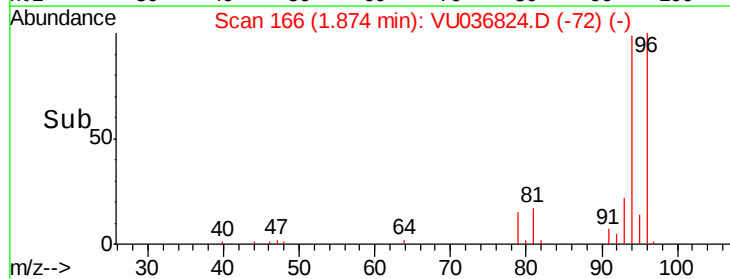
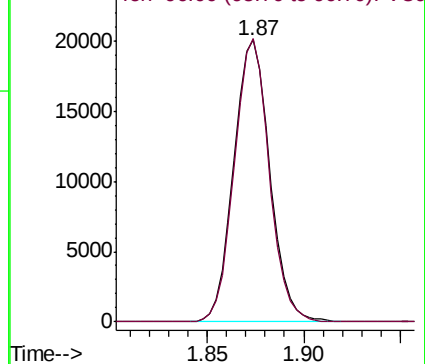
Ion Ratio Lower Upper

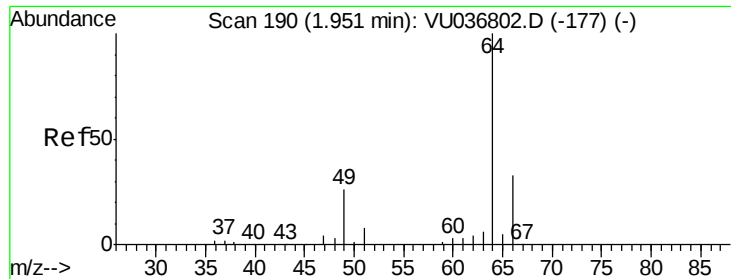
94 100

96 100.5 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU036824.D (-156) (-)

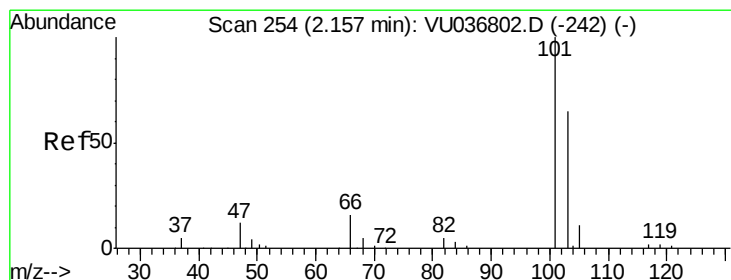
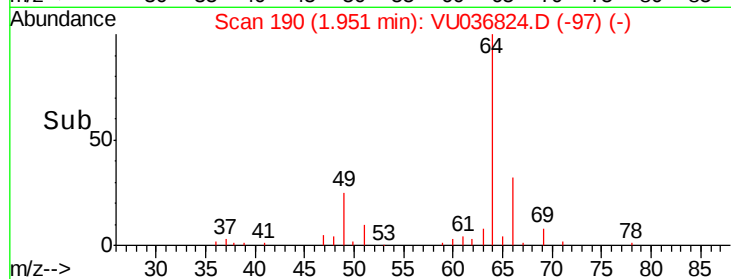
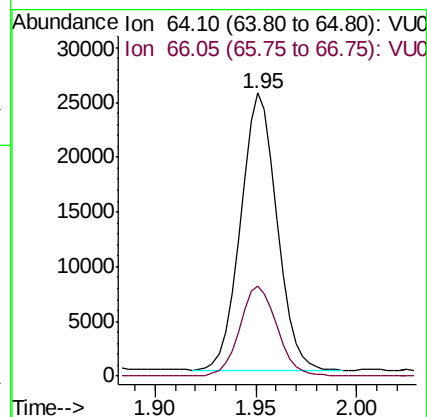
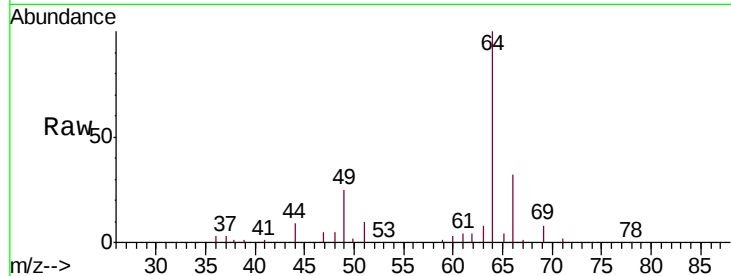




#8
Chloroethane
Concen: 4.761 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036824.D
Acq: 17 Feb 2020 21:07

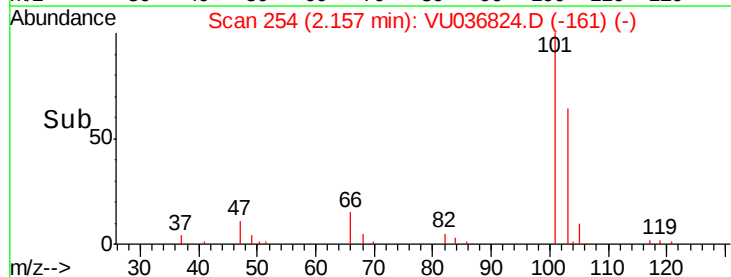
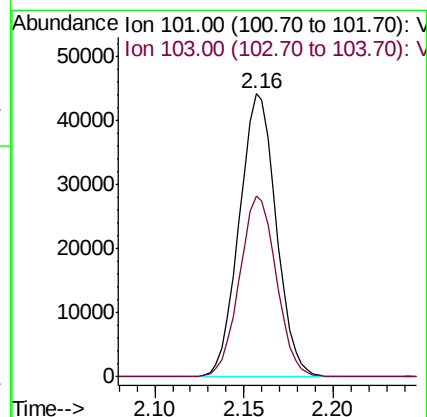
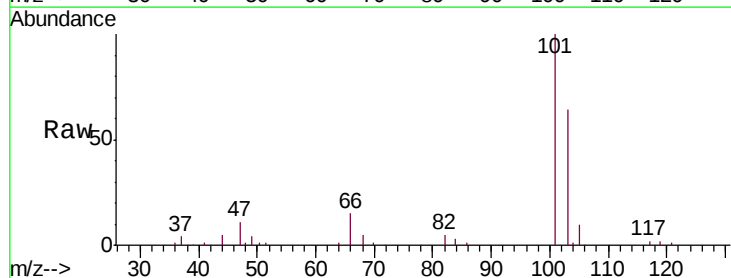
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

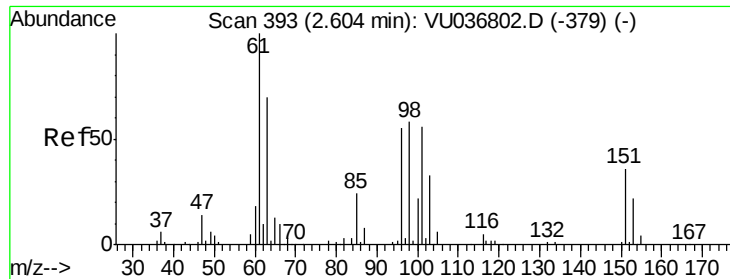
Tgt Ion: 64 Resp: 32048
Ion Ratio Lower Upper
64 100
66 31.7 21.8 40.6



#9
Trichlorofluoromethane
Concen: 5.030 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036824.D
Acq: 17 Feb 2020 21:07

Tgt Ion: 101 Resp: 63769
Ion Ratio Lower Upper
101 100
103 64.0 51.0 76.6





#10

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

Concen: 4.887 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampled :

VSTD00521

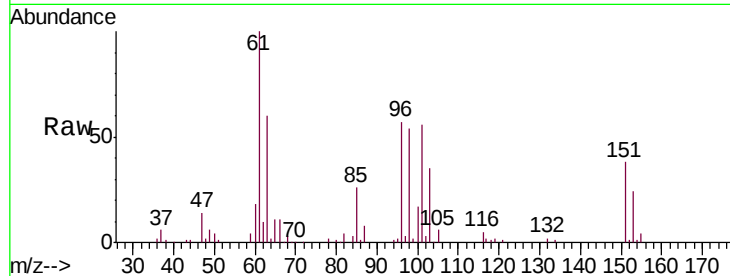
Tgt Ion: 101 Resp: 39560

Ion Ratio Lower Upper

101 100

85 45.7 36.4 54.6

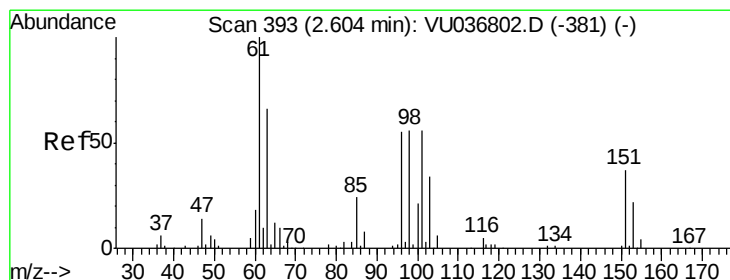
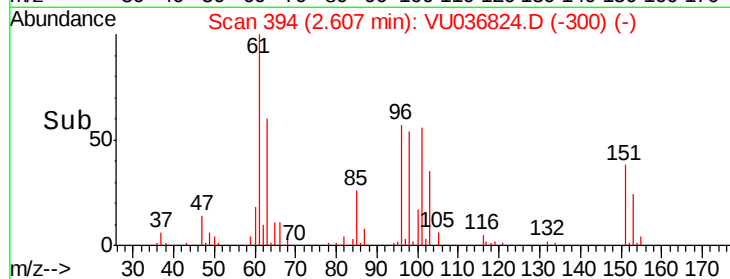
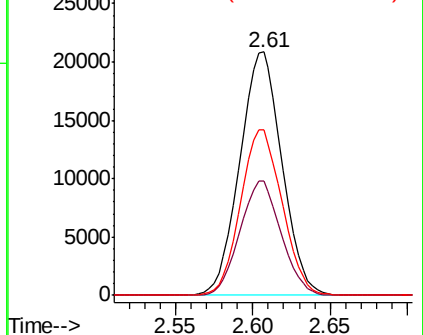
151 67.1 54.0 81.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.893 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

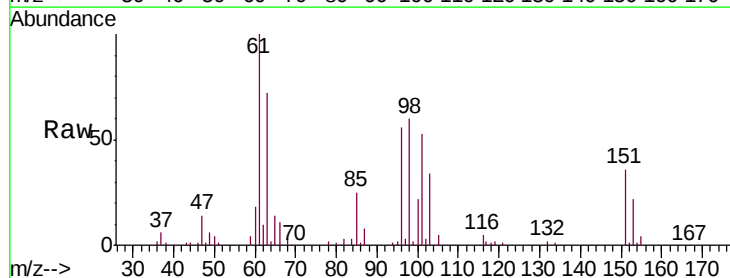
Tgt Ion: 96 Resp: 35721

Ion Ratio Lower Upper

96 100

61 179.5 126.4 234.8

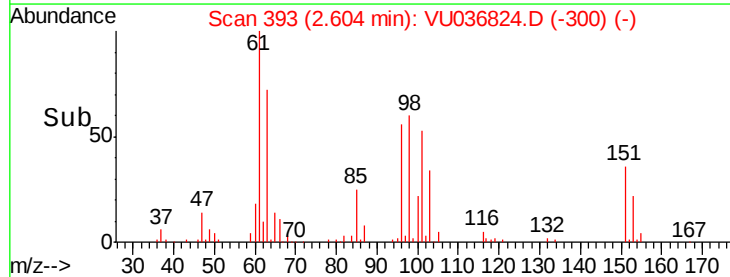
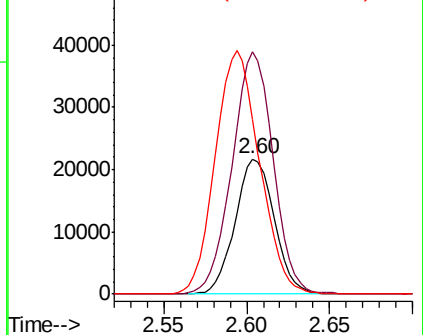
63 129.7 89.5 166.3

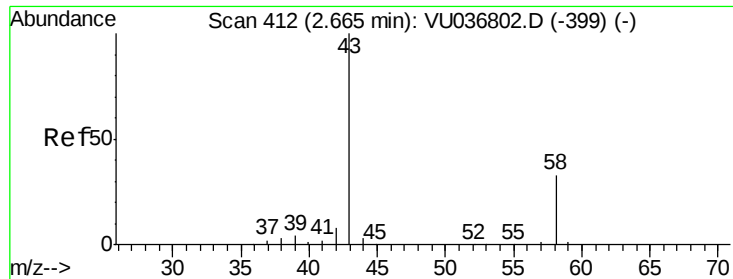


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 31.849 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

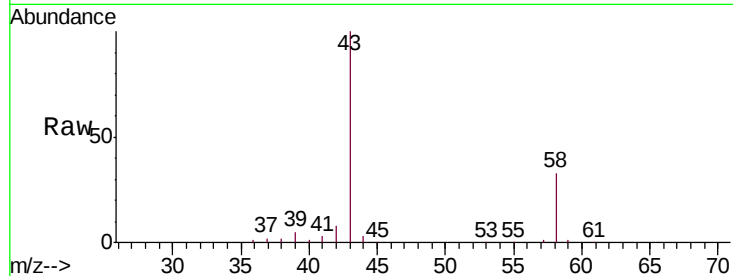
VSTD00521

Tgt Ion: 43 Resp: 88149

Ion Ratio Lower Upper

43 100

58 33.3 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036824.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU036824.D (-399) (-)

2.66

60000

50000

40000

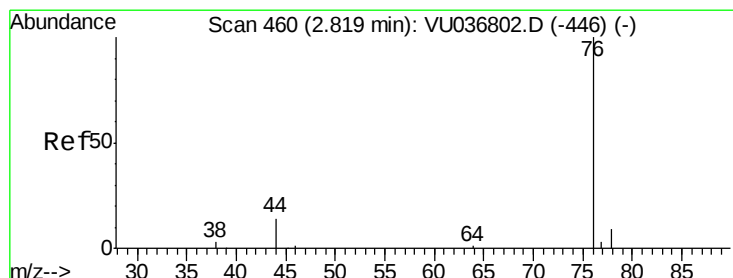
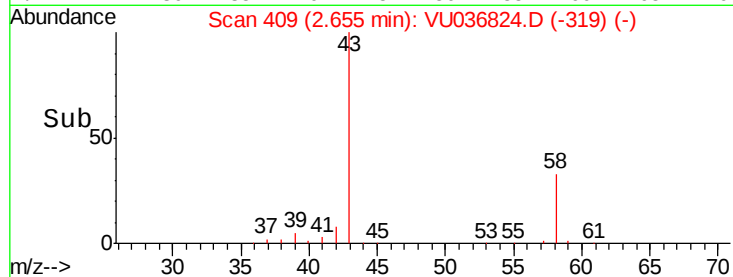
30000

20000

10000

0

Time-->



#14

Carbon disulfide

Concen: 4.666 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036824.D

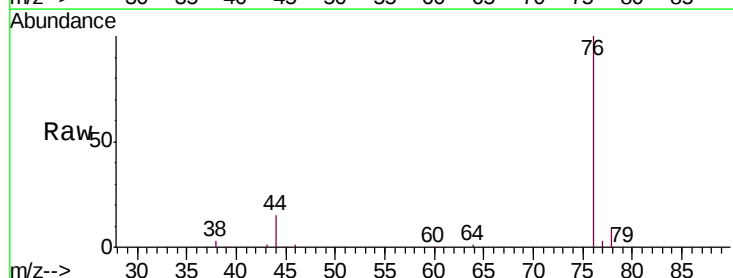
Acq: 17 Feb 2020 21:07

Tgt Ion: 76 Resp: 82203

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036824.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036824.D (-367) (-)

2.82

50000

40000

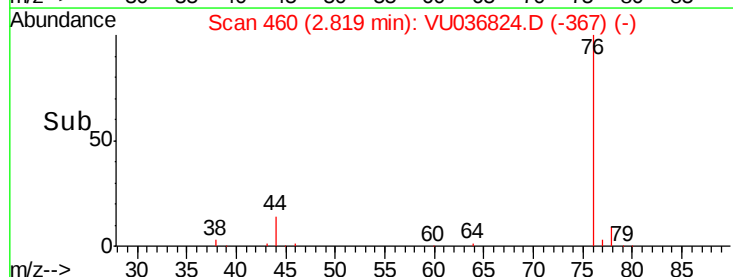
30000

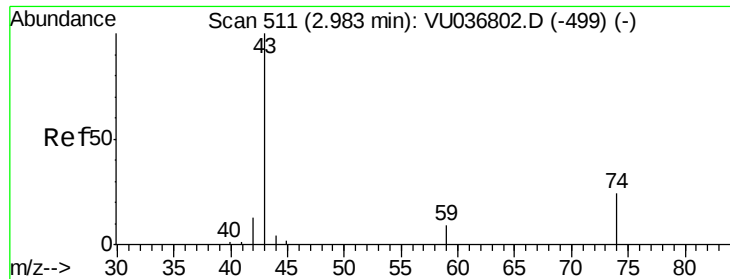
20000

10000

0

Time-->

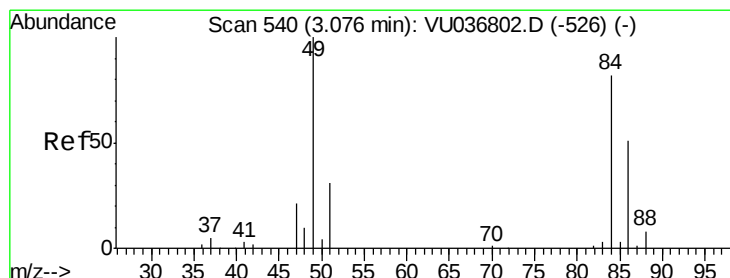
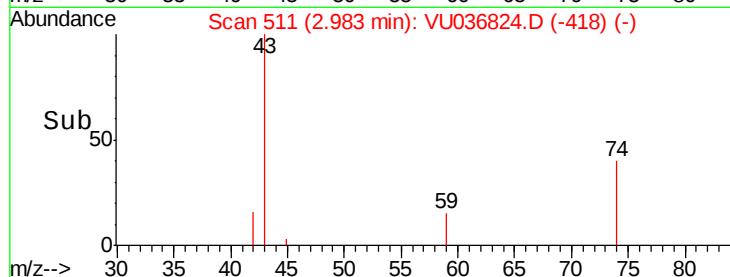
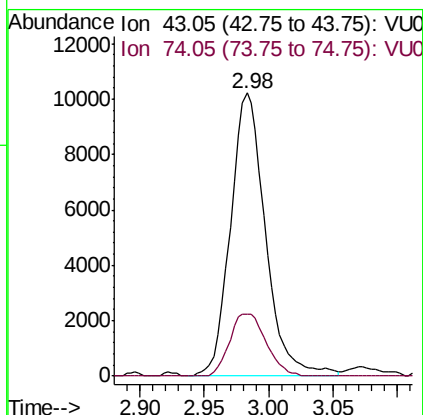
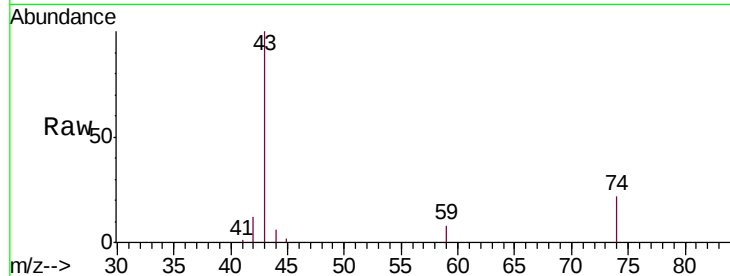




#15
Methyl Acetate
Concen: 5.249 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU036824.D
Acq: 17 Feb 2020 21:07

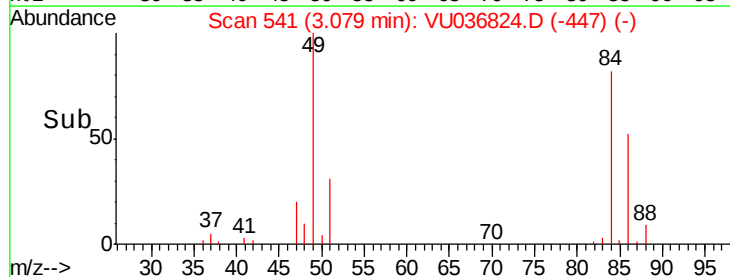
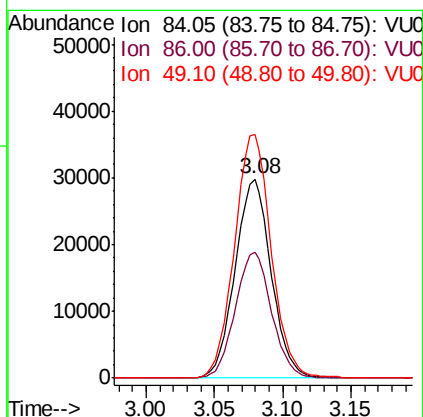
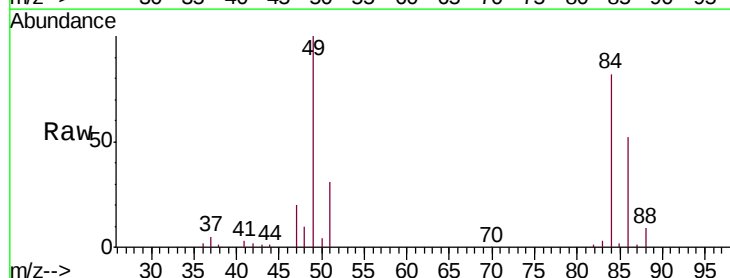
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

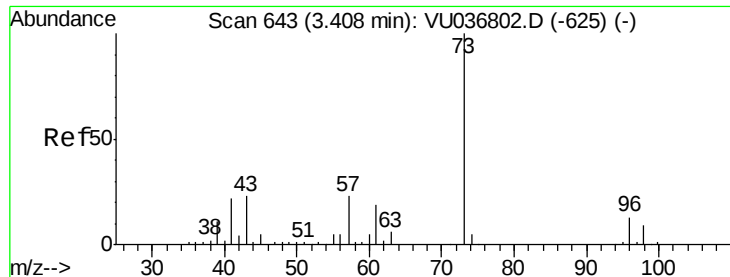
Tgt Ion: 43 Resp: 19277
Ion Ratio Lower Upper
43 100
74 22.9 19.0 28.4



#16
Methylene chloride
Concen: 4.447 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036824.D
Acq: 17 Feb 2020 21:07

Tgt Ion: 84 Resp: 54717
Ion Ratio Lower Upper
84 100
86 63.6 44.7 82.9
49 122.5 86.7 160.9

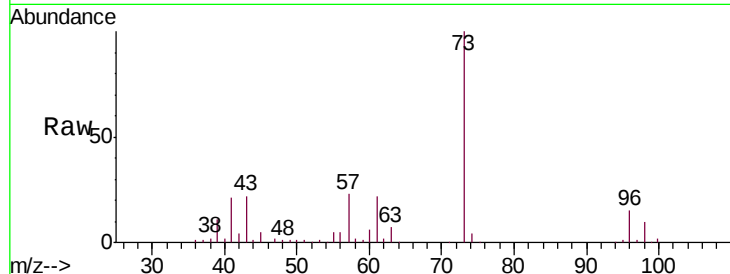




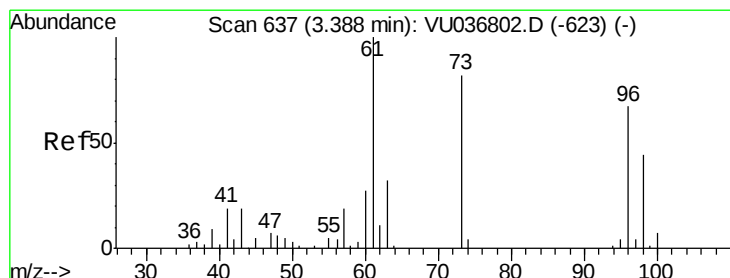
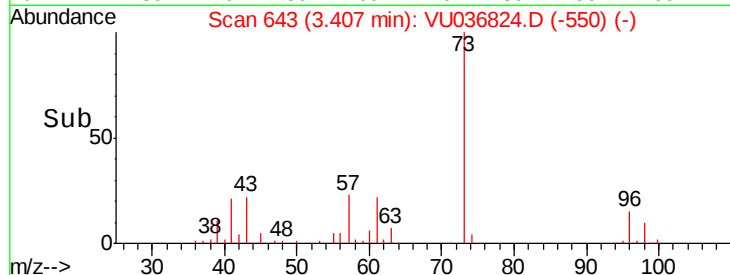
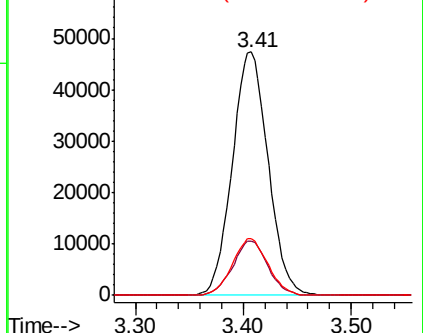
#17
Methyl tert-butyl Ether
Concen: 5.058 ug/L
RT: 3.41 min Scan# 643
Delta R.T. -0.00 min
Lab File: VU036824.D
Acq: 17 Feb 2020 21:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion: 73 Resp: 109358
Ion Ratio Lower Upper
73 100
43 22.0 18.7 28.1
57 23.2 17.9 26.9

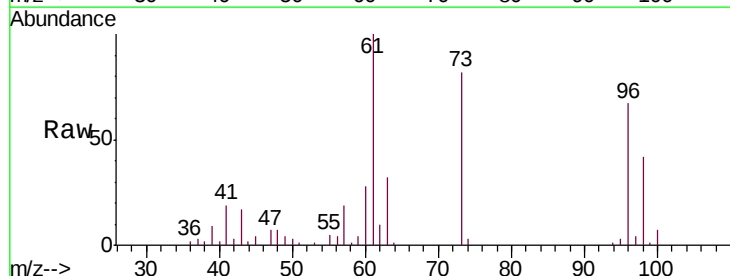


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

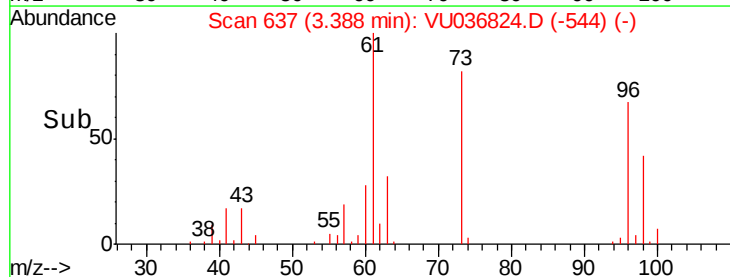
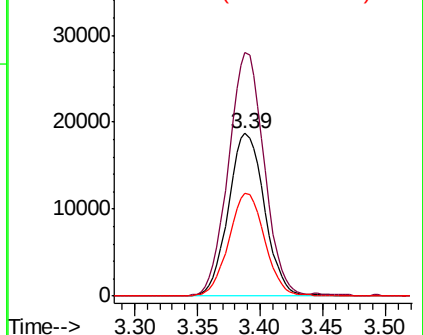


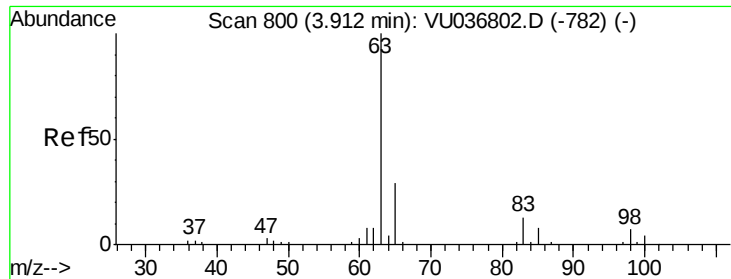
#18
trans-1,2-Dichloroethene
Concen: 4.987 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU036824.D
Acq: 17 Feb 2020 21:07

Tgt Ion: 96 Resp: 37570
Ion Ratio Lower Upper
96 100
61 149.9 102.6 190.5
98 63.6 44.5 82.7



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

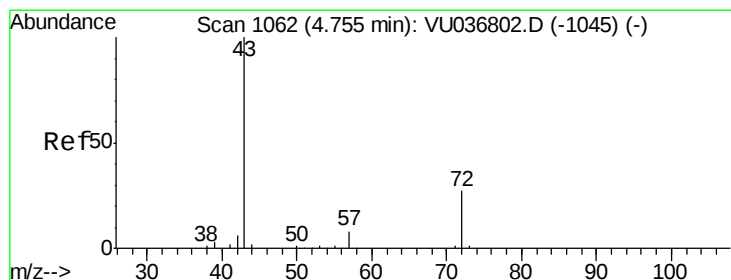
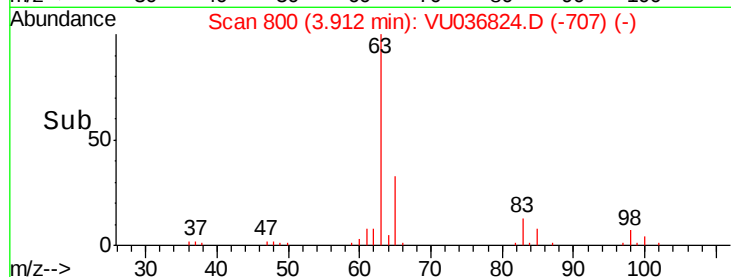
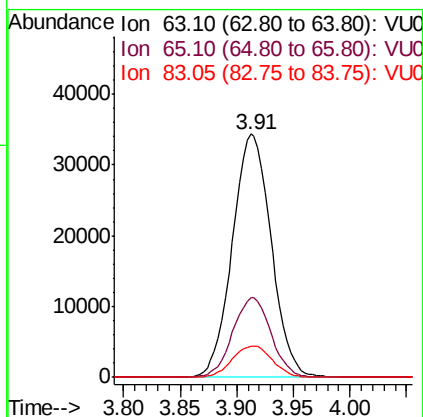
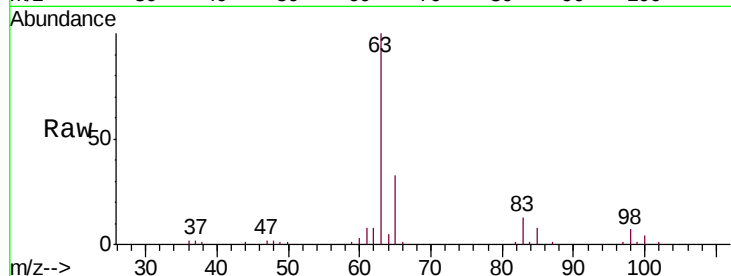




#19
 1,1-Dichloroethane
 Concen: 5.208 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU036824.D
 Acq: 17 Feb 2020 21:07

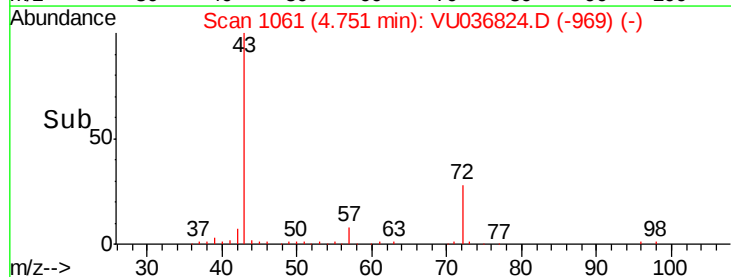
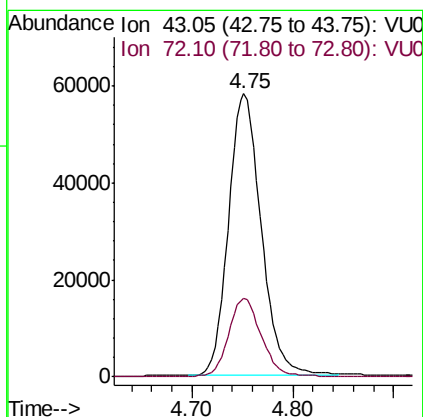
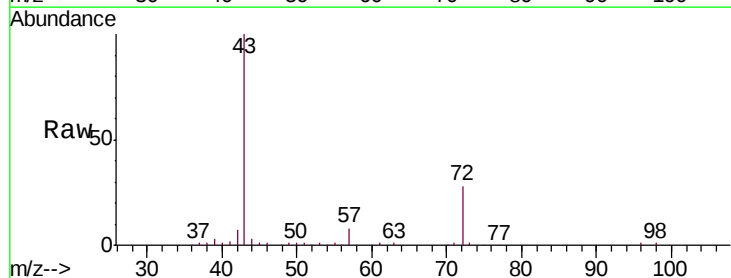
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

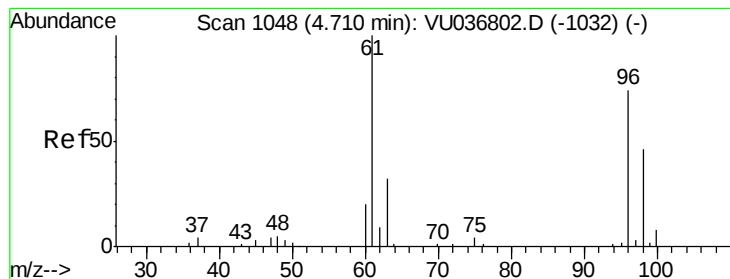
Tgt Ion: 63 Resp: 82277
 Ion Ratio Lower Upper
 63 100
 65 32.7 21.6 40.2
 83 12.6 8.8 16.3



#21
 2-Butanone
 Concen: 40.704 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: VU036824.D
 Acq: 17 Feb 2020 21:07

Tgt Ion: 43 Resp: 131049
 Ion Ratio Lower Upper
 43 100
 72 28.4 14.0 41.9





#22

cis-1,2-Dichloroethene

Concen: 5.196 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampled :

VSTD00521

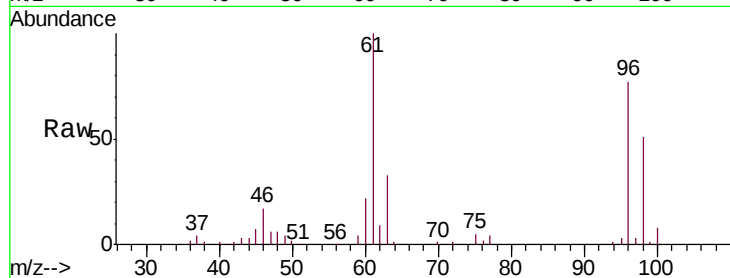
Tgt Ion: 96 Resp: 47365

Ion Ratio Lower Upper

96 100

61 129.1 91.2 169.4

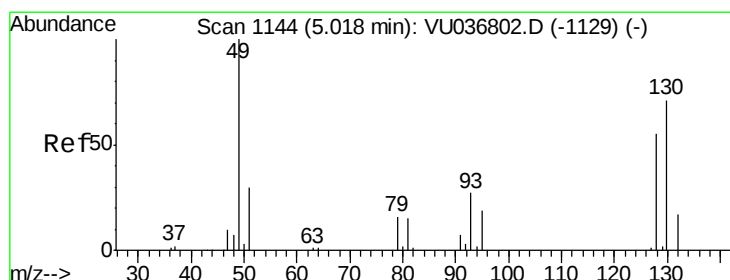
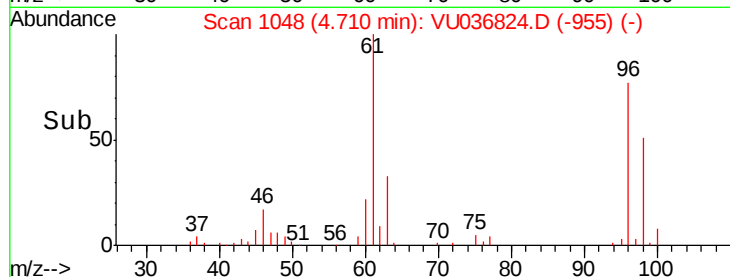
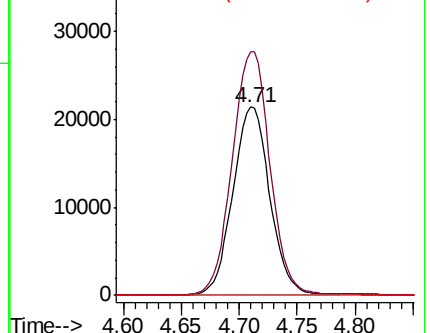
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036824.D (-955) (-)

Ion 61.05 (60.75 to 61.75): VU036824.D (-955) (-)

Ion 68.15 (67.85 to 68.85): VU036824.D (-955) (-)



#23

Bromochloromethane

Concen: 5.108 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

Tgt Ion: 128 Resp: 18512

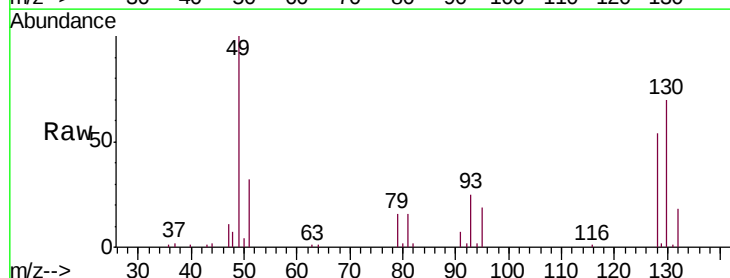
Ion Ratio Lower Upper

128 100

49 184.0 132.4 245.8

130 128.2 89.0 165.2

51 58.1 45.6 68.4

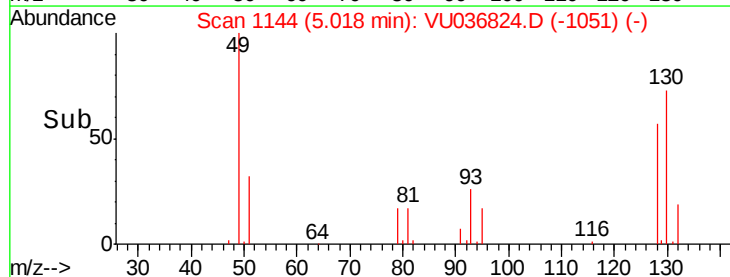
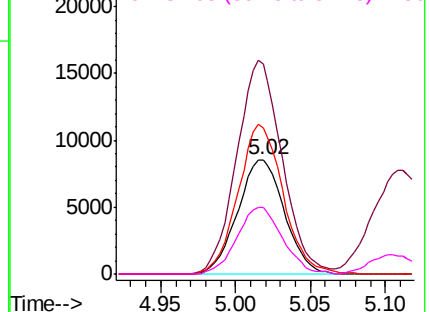


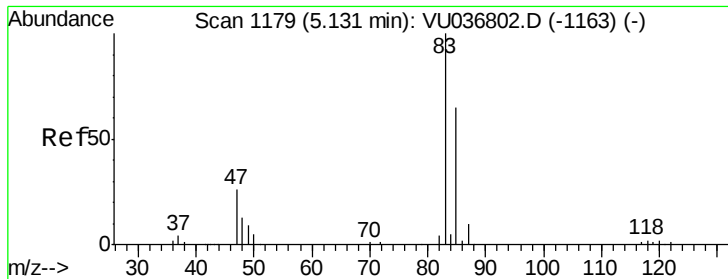
Abundance Ion 127.90 (127.60 to 128.60): VU036824.D (-1051) (-)

Ion 49.10 (48.80 to 49.80): VU036824.D (-1051) (-)

Ion 129.95 (129.65 to 130.65): VU036824.D (-1051) (-)

Ion 51.05 (50.75 to 51.75): VU036824.D (-1051) (-)

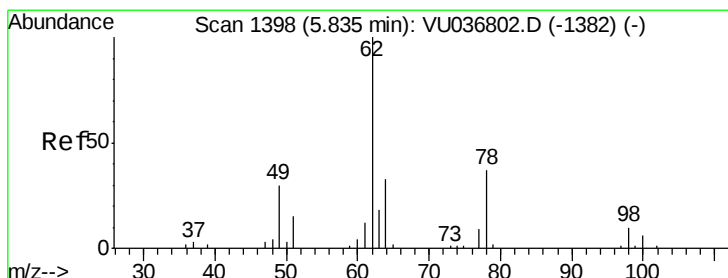
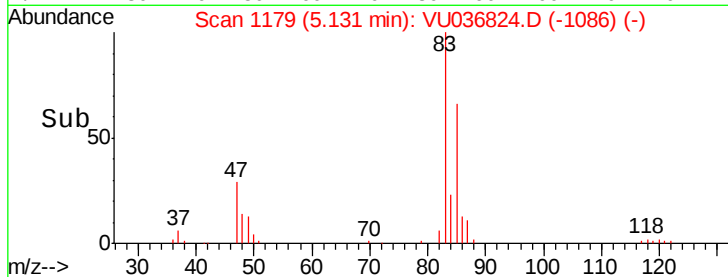
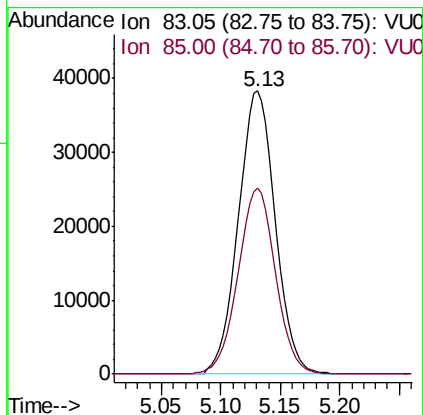
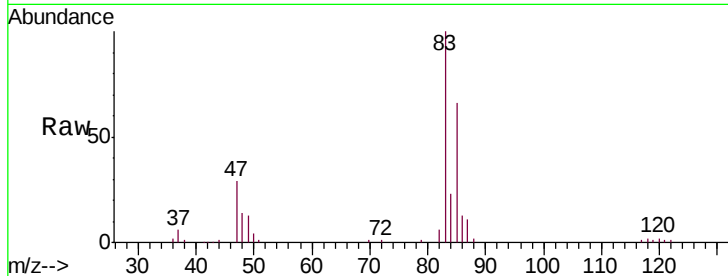




#25
Chloroform
Concen: 4.876 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036824.D
Acq: 17 Feb 2020 21:07

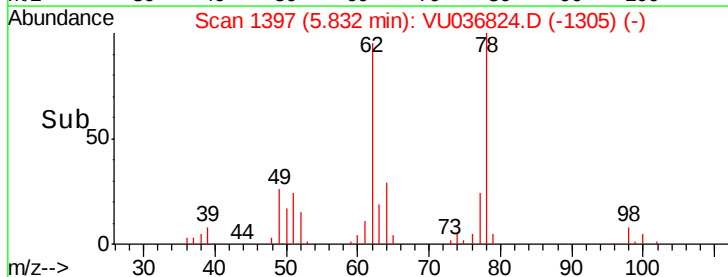
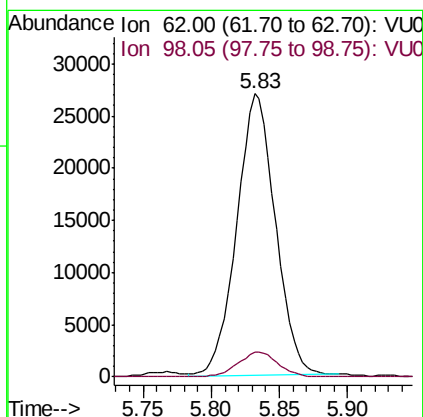
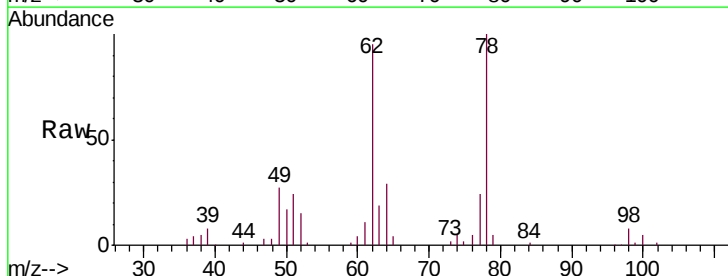
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

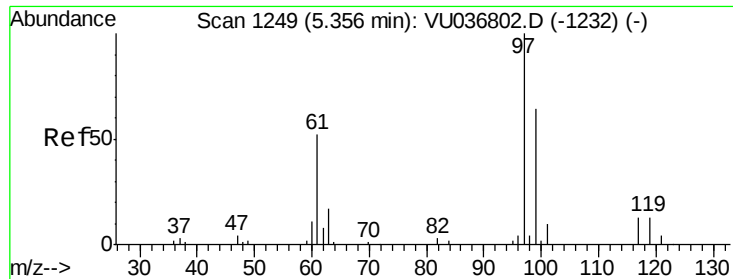
Tgt Ion: 83 Resp: 82261
Ion Ratio Lower Upper
83 100
85 65.7 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.942 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU036824.D
Acq: 17 Feb 2020 21:07

Tgt Ion: 62 Resp: 53154
Ion Ratio Lower Upper
62 100
98 8.6 7.0 10.4

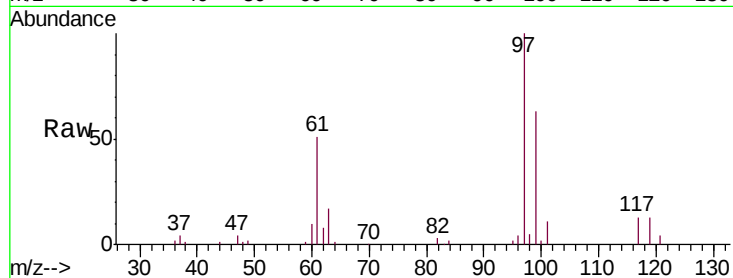




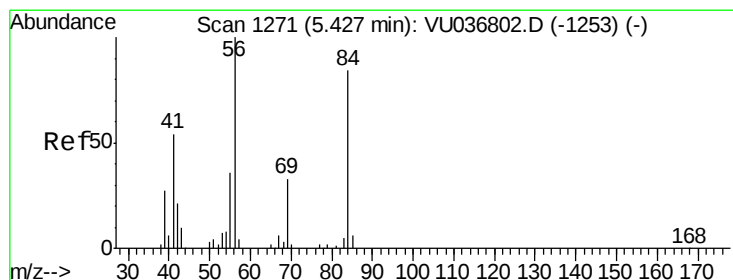
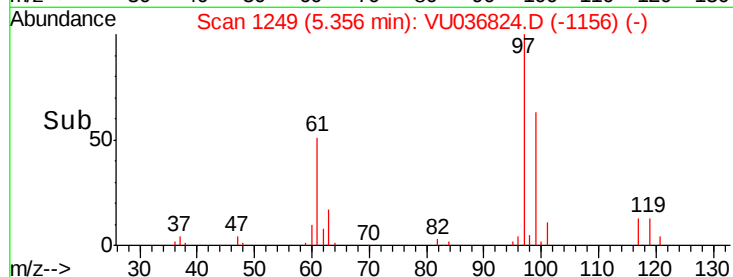
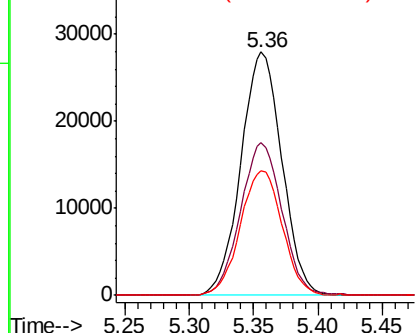
#29
 1,1,1-Trichloroethane
 Concen: 5.029 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU036824.D
 Acq: 17 Feb 2020 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion: 97 Resp: 61990
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.0 76.4
 61 52.3 41.6 62.4

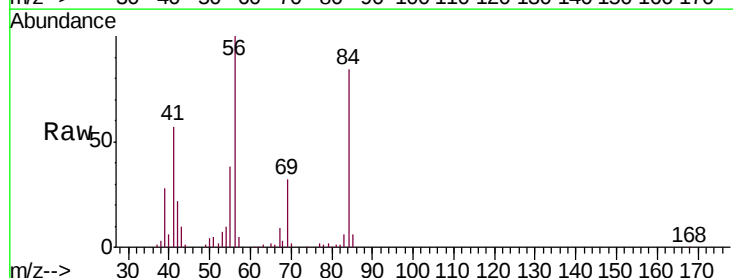


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

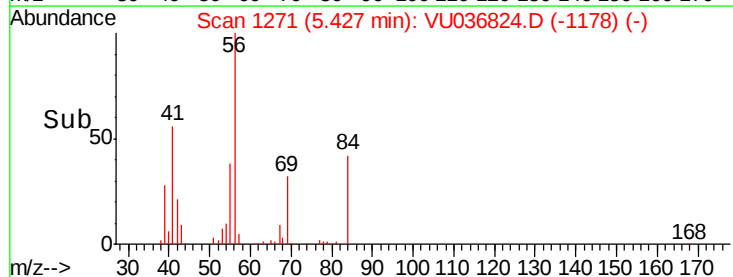
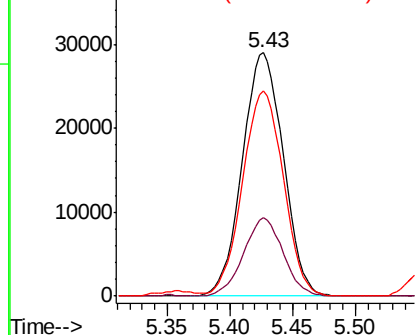


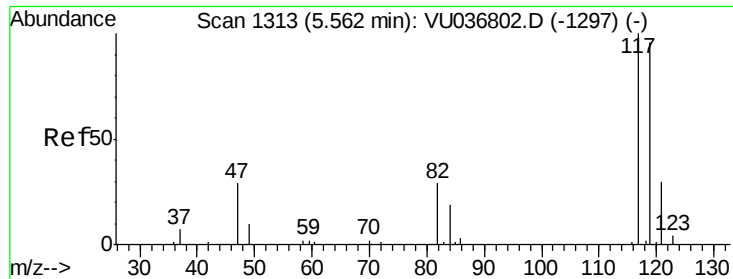
#30
 Cyclohexane
 Concen: 5.028 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU036824.D
 Acq: 17 Feb 2020 21:07

Tgt Ion: 56 Resp: 65829
 Ion Ratio Lower Upper
 56 100
 69 30.9 24.6 37.0
 84 84.1 70.0 105.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.921 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

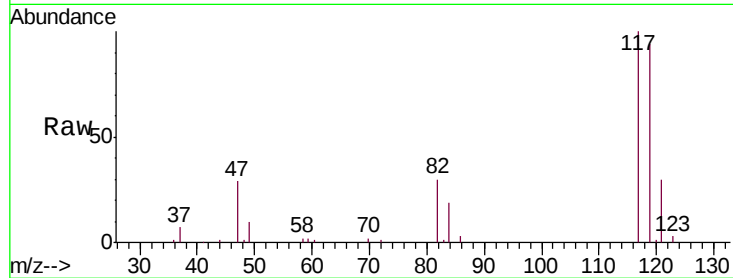
VSTD00521

Tgt Ion:117 Resp: 48937

Ion Ratio Lower Upper

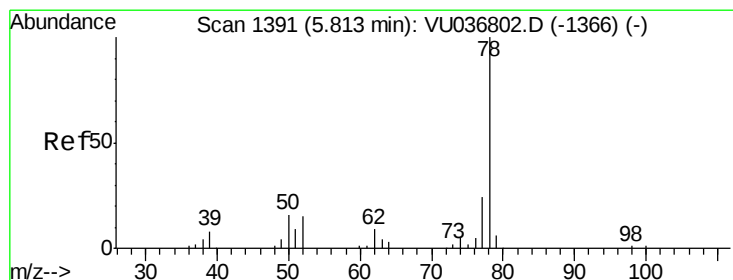
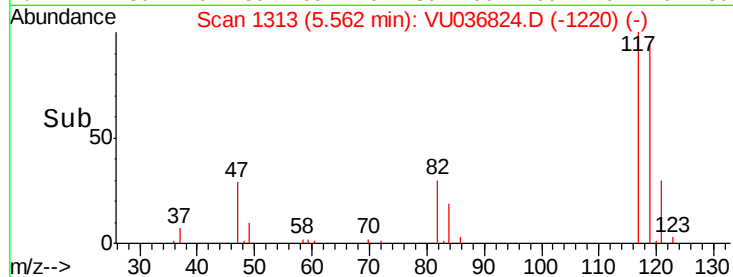
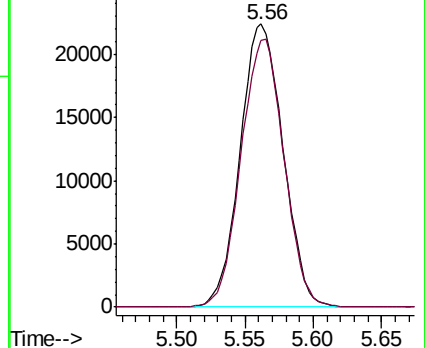
117 100

119 94.7 74.5 111.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.198 ug/L

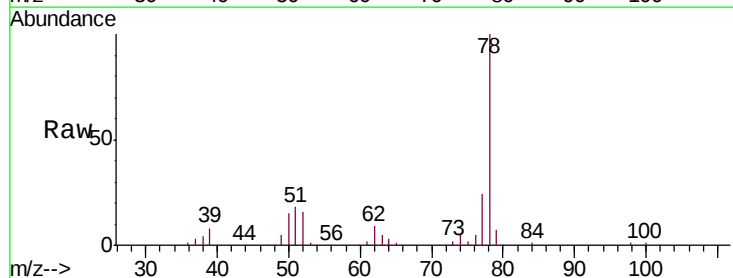
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

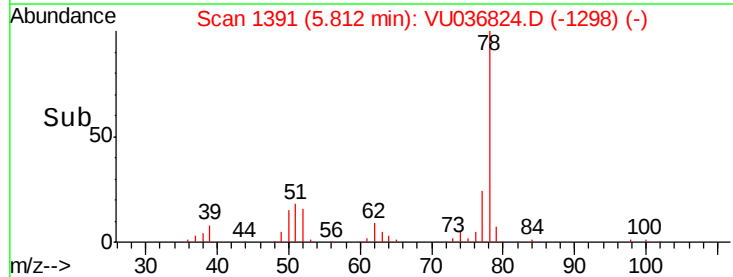
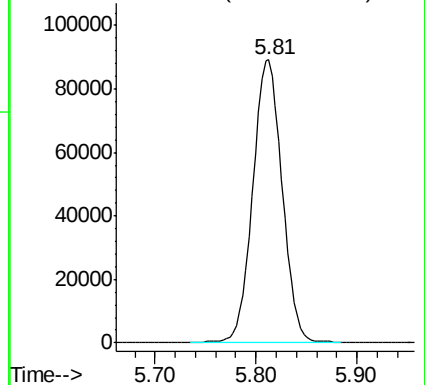
Lab File: VU036824.D

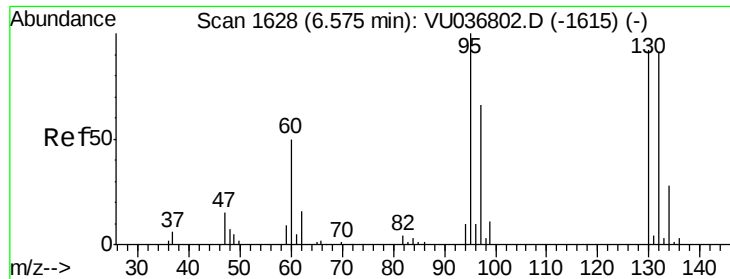
Acq: 17 Feb 2020 21:07

Tgt Ion: 78 Resp: 179944



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.081 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

Tgt Ion: 95 Resp: 44798

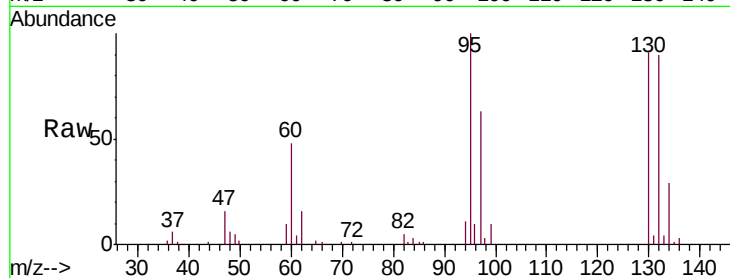
Ion Ratio Lower Upper

95 100

97 63.1 45.6 84.8

132 90.3 62.8 116.6

130 91.3 63.8 118.4

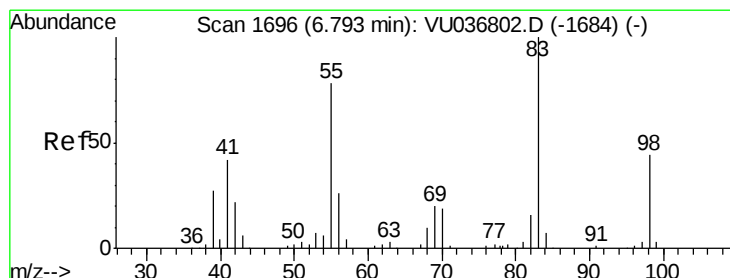
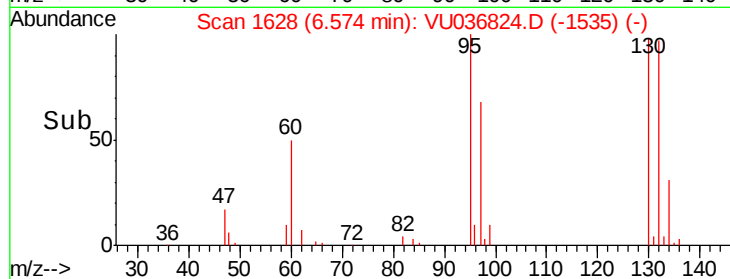
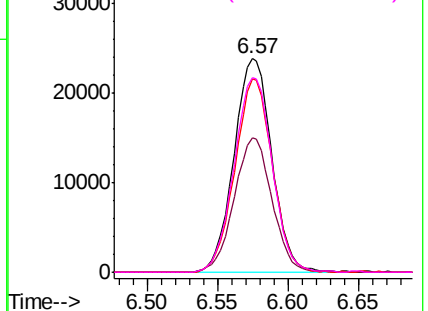


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.905 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

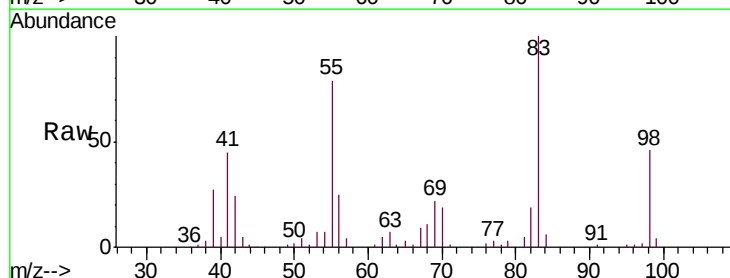
Tgt Ion: 83 Resp: 68631

Ion Ratio Lower Upper

83 100

55 78.4 61.0 91.4

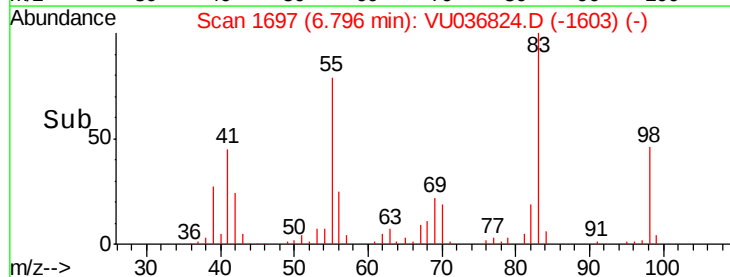
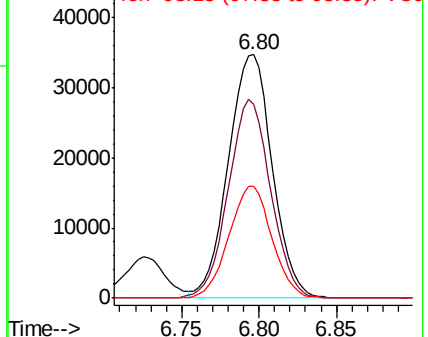
98 44.8 34.2 51.4

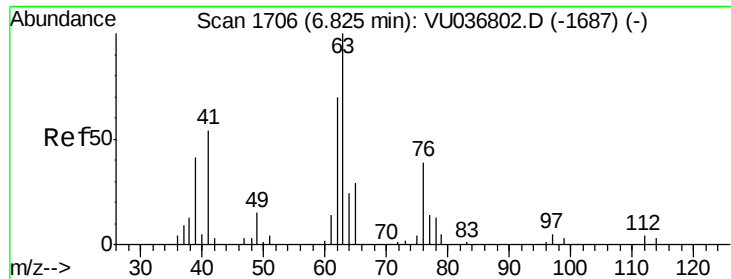


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

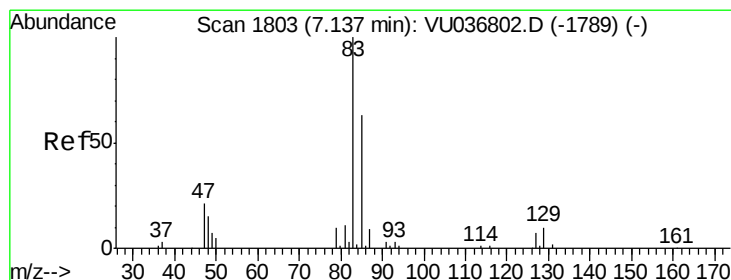
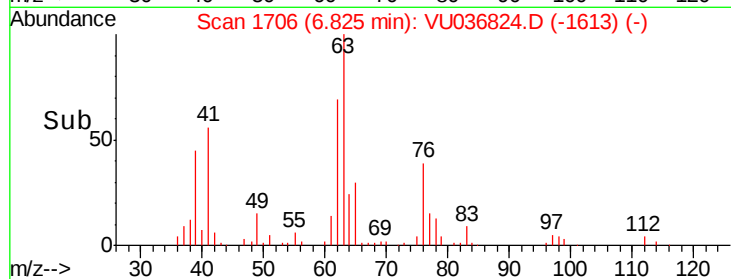
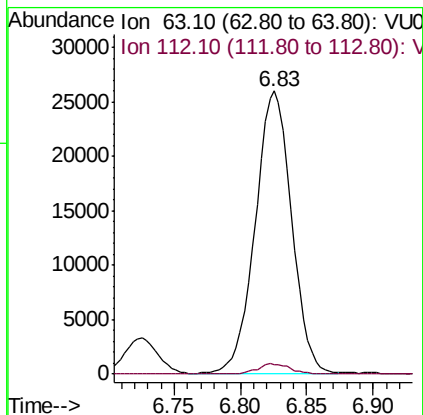
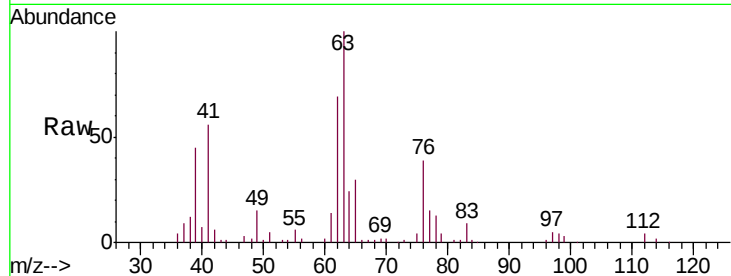




#37
 1,2-Dichloropropane
 Concen: 5.297 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU036824.D
 Acq: 17 Feb 2020 21:07

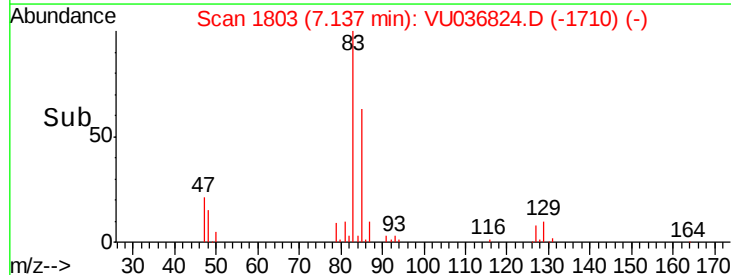
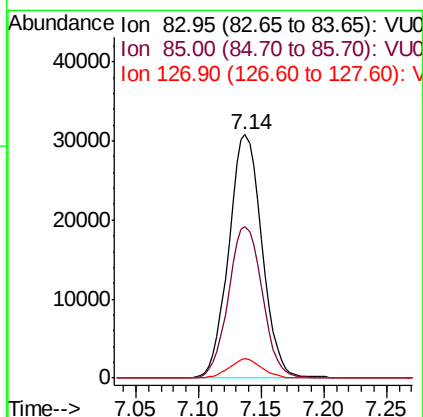
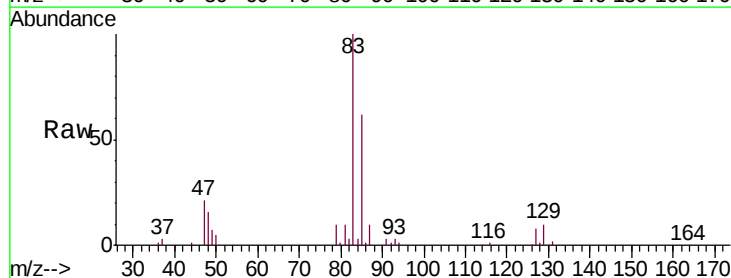
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

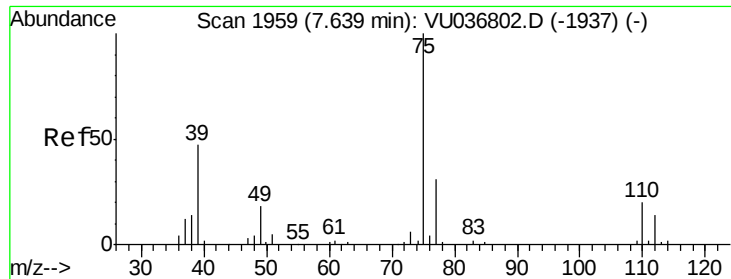
Tgt Ion: 63 Resp: 50064
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.0 4.4



#38
 Bromodichloromethane
 Concen: 5.035 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU036824.D
 Acq: 17 Feb 2020 21:07

Tgt Ion: 83 Resp: 56795
 Ion Ratio Lower Upper
 83 100
 85 62.5 43.0 80.0
 127 7.9 6.3 9.5

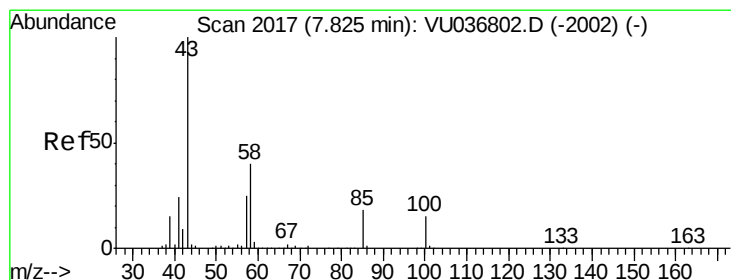
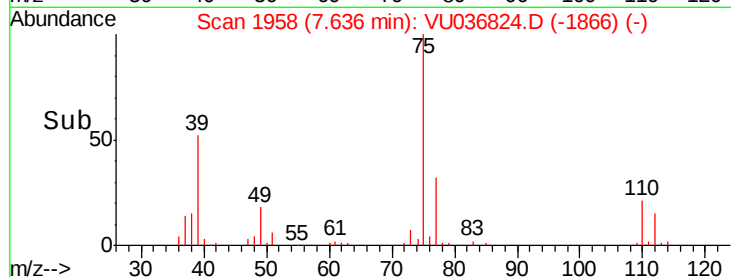
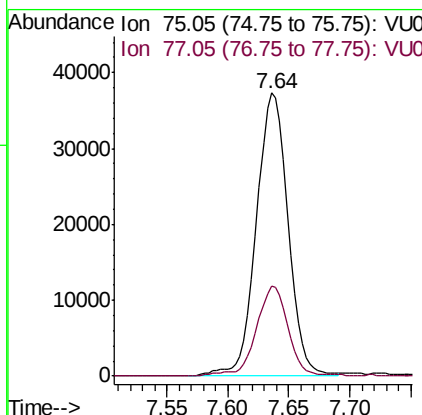
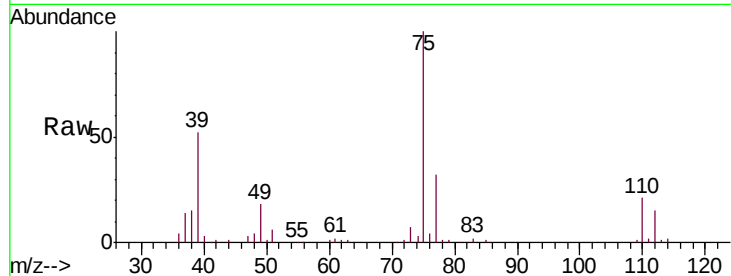




#39
 cis-1,3-Dichloropropene
 Concen: 4.931 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU036824.D
 Acq: 17 Feb 2020 21:07

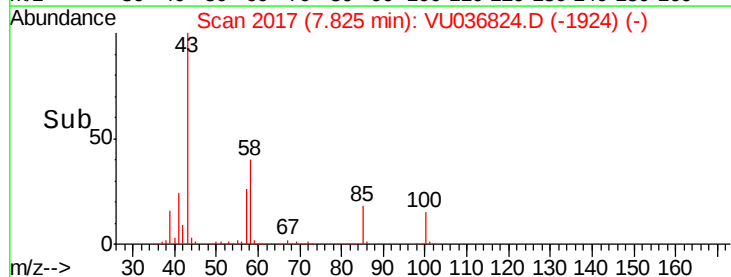
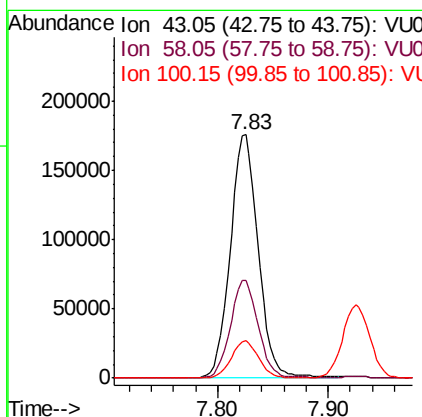
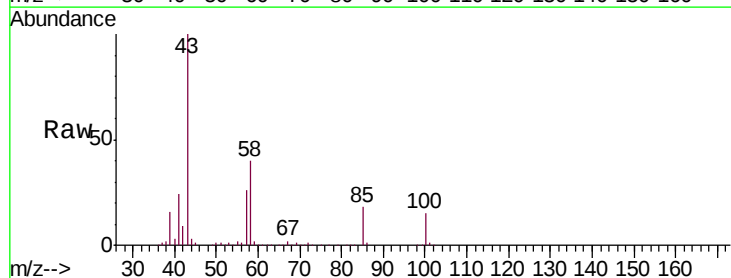
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

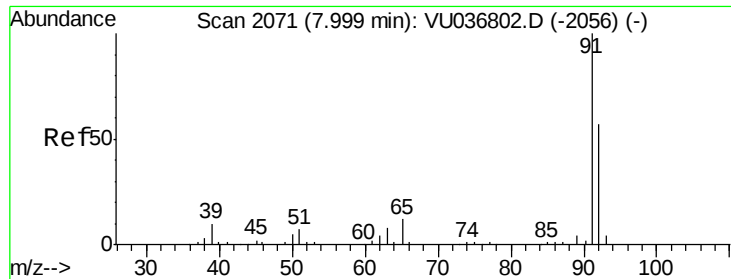
Tgt Ion: 75 Resp: 67447
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 50.674 ug/L
 RT: 7.83 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VU036824.D
 Acq: 17 Feb 2020 21:07

Tgt Ion: 43 Resp: 309090
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.0 48.0
 100 15.0 11.8 17.8





#42

Toluene

Concen: 5.203 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

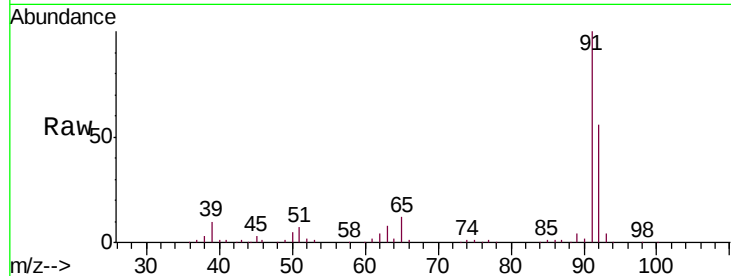
VSTD00521

Tgt Ion: 91 Resp: 193430

Ion Ratio Lower Upper

91 100

92 56.4 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036802.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036802.D (-2056) (-)

8.00

120000

100000

80000

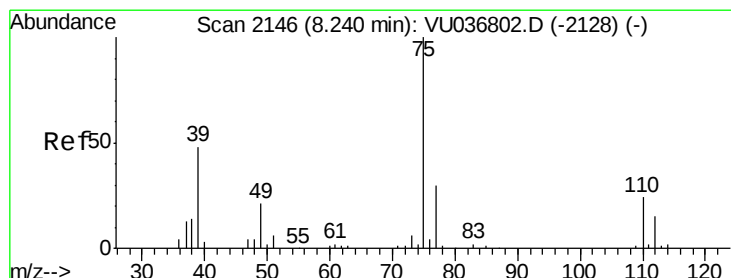
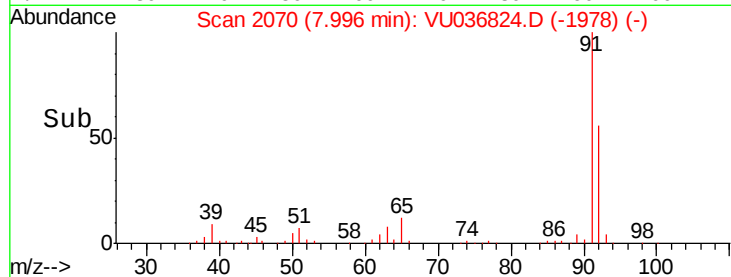
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.040 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU036824.D

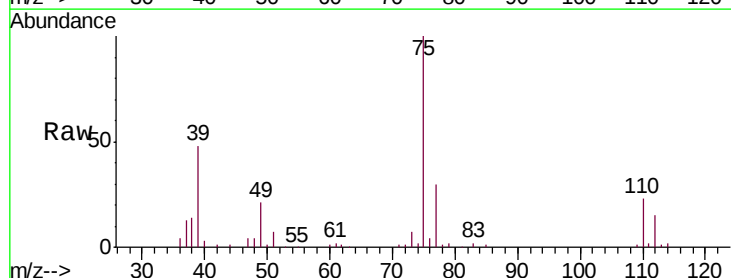
Acq: 17 Feb 2020 21:07

Tgt Ion: 75 Resp: 53875

Ion Ratio Lower Upper

75 100

77 29.8 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036802.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU036802.D (-2128) (-)

8.24

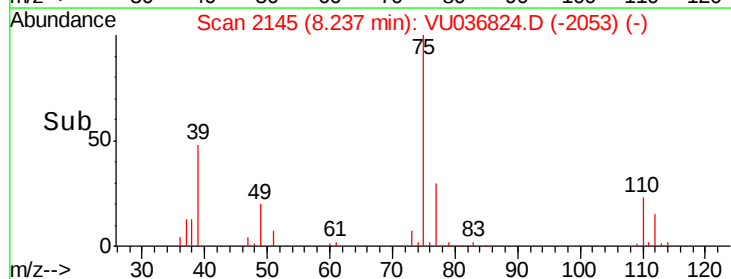
30000

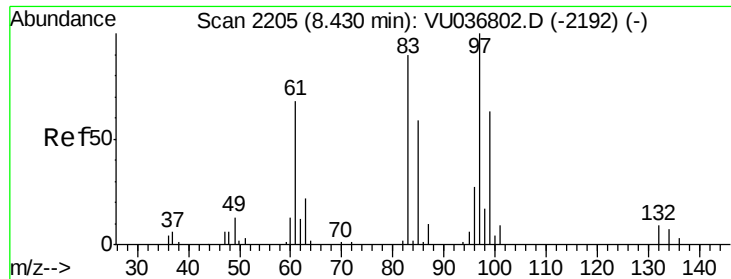
20000

10000

0

Time-->

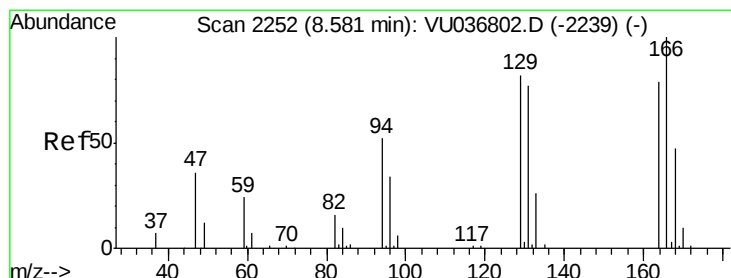
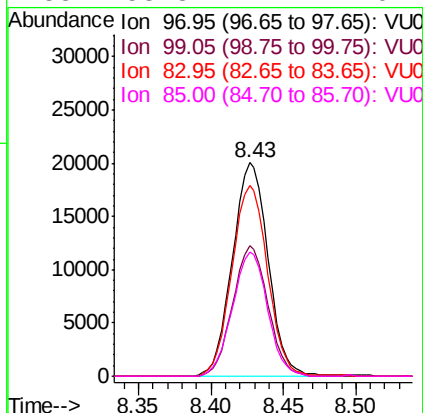
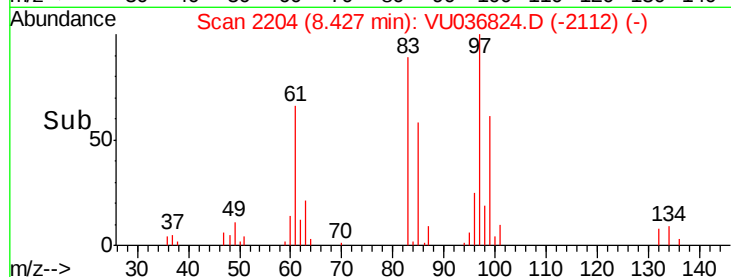
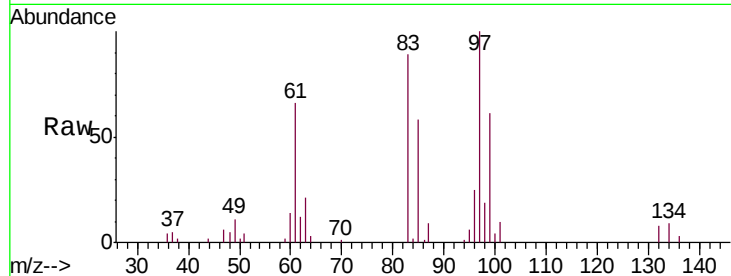




#45
 1,1,2-Trichloroethane
 Concen: 5.226 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU036824.D
 Acq: 17 Feb 2020 21:07

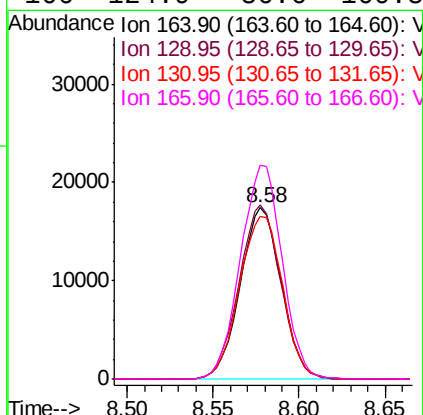
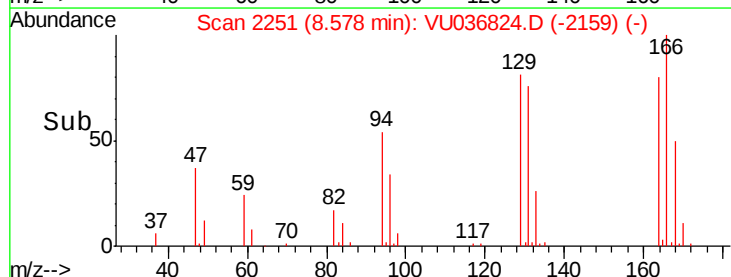
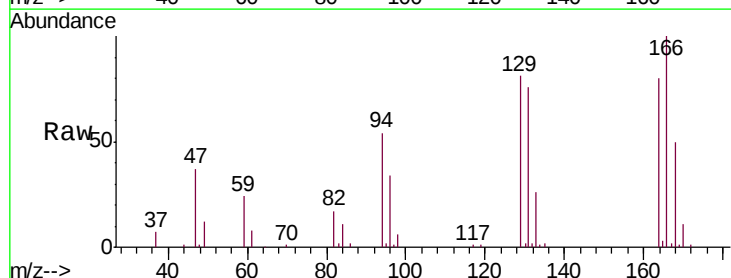
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

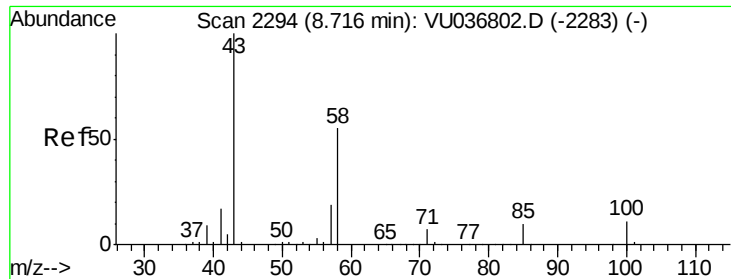
Tgt Ion:	97	Resp:	34366
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.1	81.9
83	89.2	63.5	117.9
85	58.3	41.2	76.4



#47
 Tetrachloroethene
 Concen: 4.822 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU036824.D
 Acq: 17 Feb 2020 21:07

Tgt Ion:	164	Resp:	28923
Ion	Ratio	Lower	Upper
164	100		
129	101.5	68.0	126.4
131	95.2	69.4	128.8
166	124.9	86.6	160.8

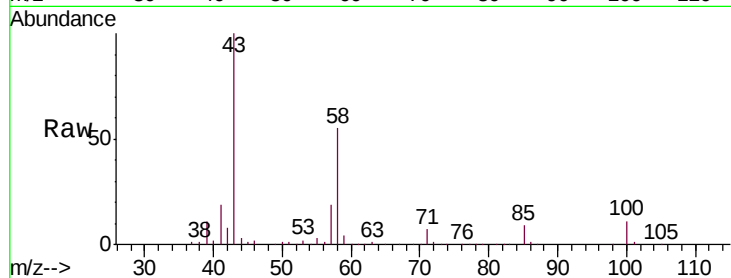




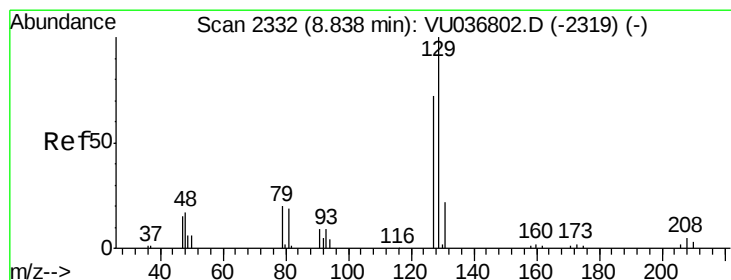
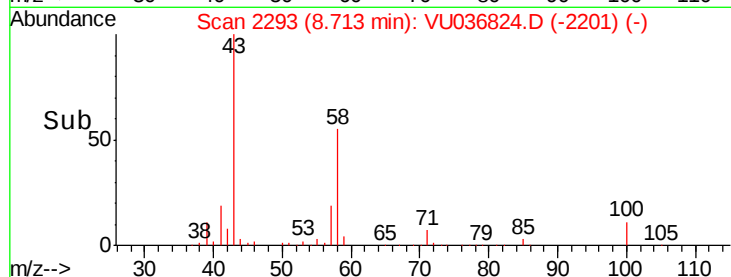
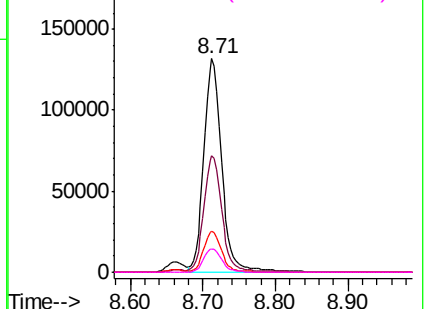
#48
2-Hexanone
Concen: 43.817 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VU036824.D
Acq: 17 Feb 2020 21:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion:	43	Resp:	228713
Ion	Ratio	Lower	Upper
43	100		
58	55.3	43.6	65.4
57	19.2	15.0	22.4
100	11.2	9.0	13.6

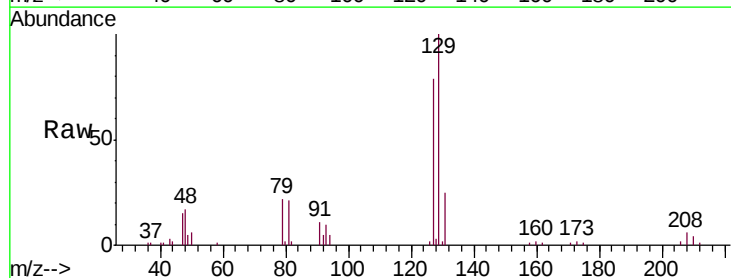


Abundance Ion 43.05 (42.75 to 43.75): VU036824.D (-2294) (-)
Ion 58.05 (57.75 to 58.75): VU036824.D (-2294) (-)
Ion 57.20 (56.90 to 57.90): VU036824.D (-2294) (-)
Ion 100.15 (99.85 to 100.85): VU036824.D (-2294) (-)

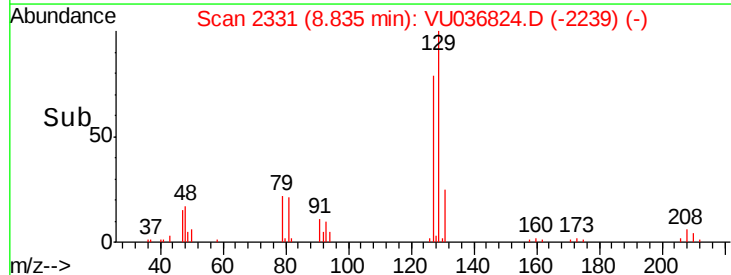
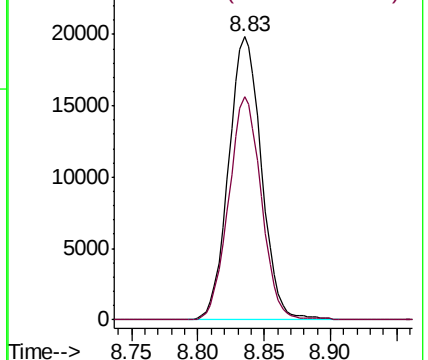


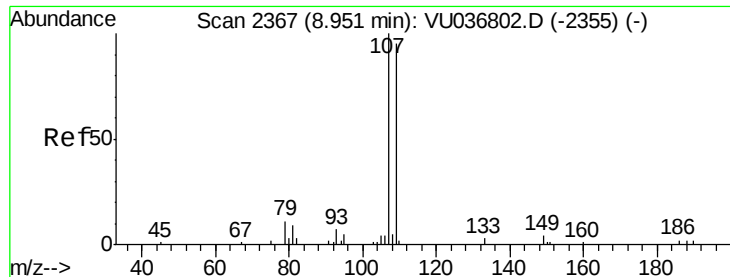
#49
Dibromochloromethane
Concen: 5.017 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU036824.D
Acq: 17 Feb 2020 21:07

Tgt Ion:	129	Resp:	34118
Ion	Ratio	Lower	Upper
129	100		
127	78.9	56.7	105.3



Abundance Ion 128.95 (128.65 to 129.65): VU036824.D (-2332) (-)
Ion 126.90 (126.60 to 127.60): VU036824.D (-2332) (-)

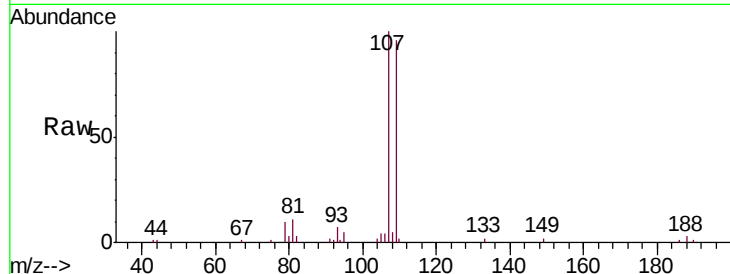




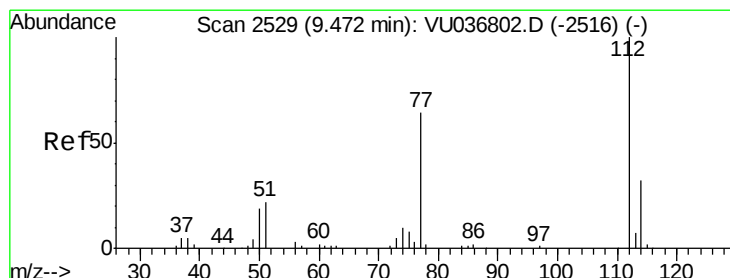
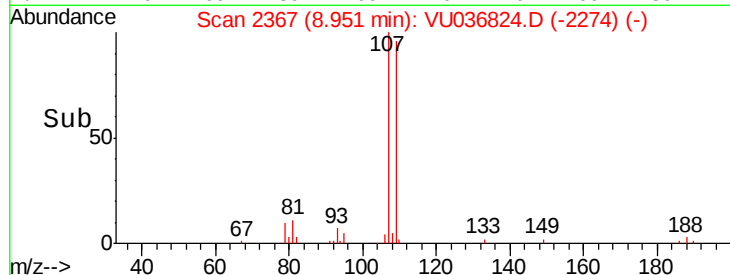
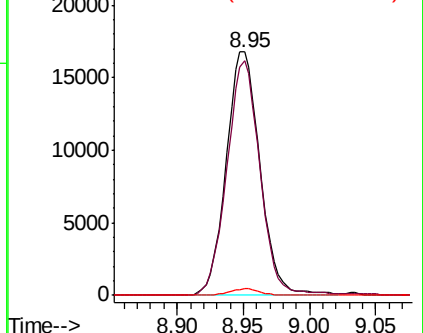
#50
1,2-Dibromoethane
Concen: 5.005 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VU036824.D
Acq: 17 Feb 2020 21:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion:107 Resp: 29723
Ion Ratio Lower Upper
107 100
109 96.3 66.4 123.2
188 2.9 2.4 3.6

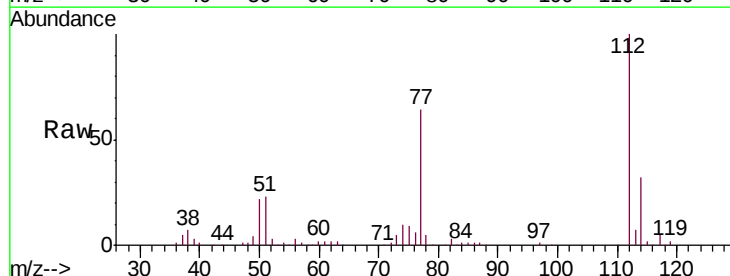


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

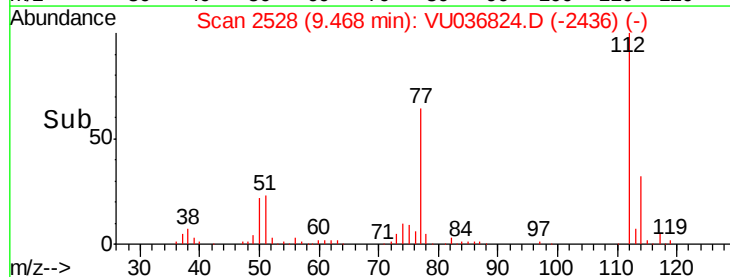
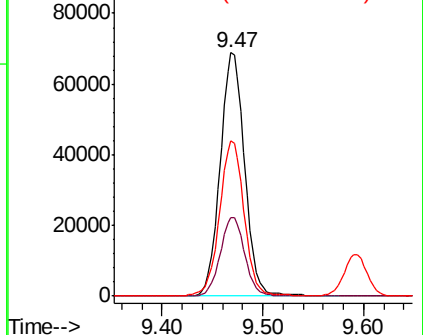


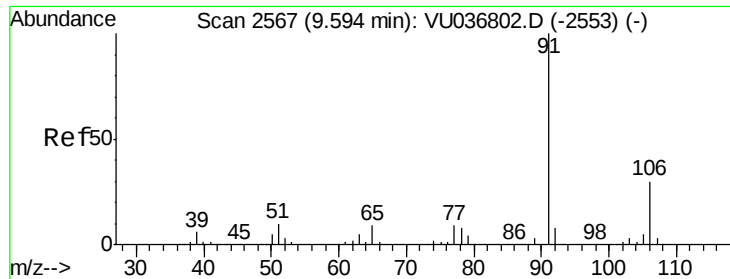
#51
Chlorobenzene
Concen: 5.077 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU036824.D
Acq: 17 Feb 2020 21:07

Tgt Ion:112 Resp: 116769
Ion Ratio Lower Upper
112 100
114 32.3 22.9 42.5
77 63.6 51.0 76.4



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): VU





#52

Ethylbenzene

Concen: 5.074 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. -0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

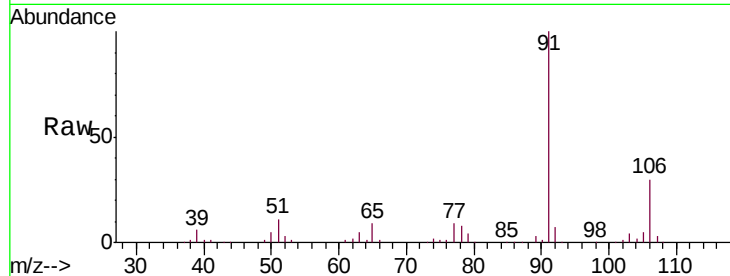
VSTD00521

Tgt Ion: 91 Resp: 210682

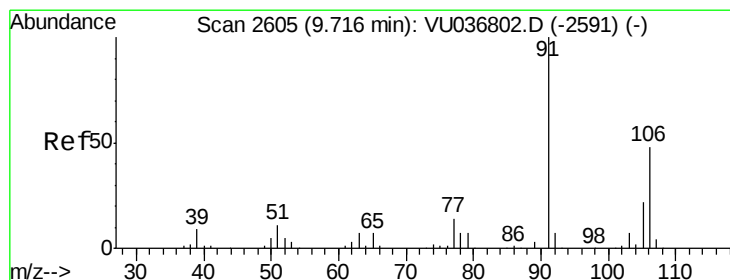
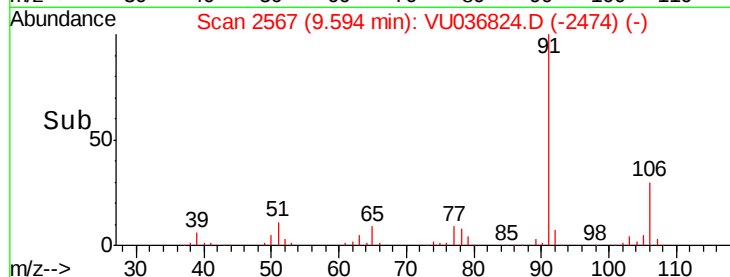
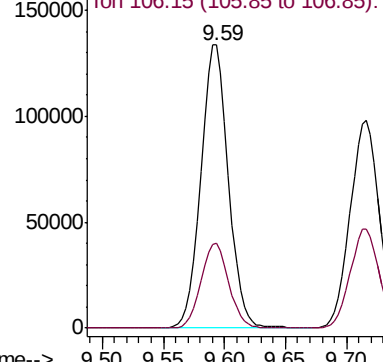
Ion Ratio Lower Upper

91 100

106 29.9 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036824.D (-2553) (-)



#53

m,p-Xylene

Concen: 5.068 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU036824.D

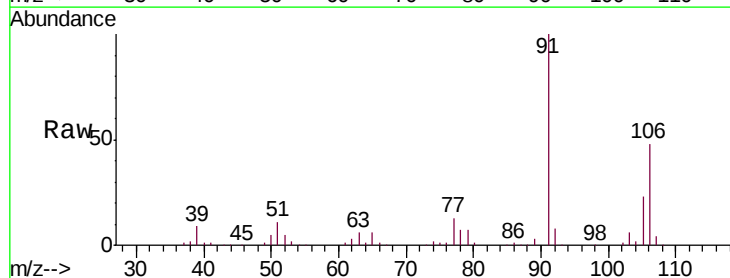
Acq: 17 Feb 2020 21:07

Tgt Ion: 106 Resp: 77448

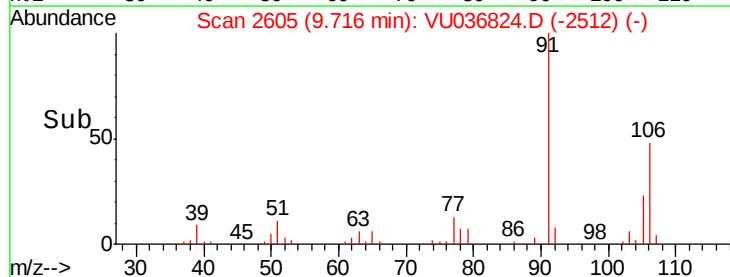
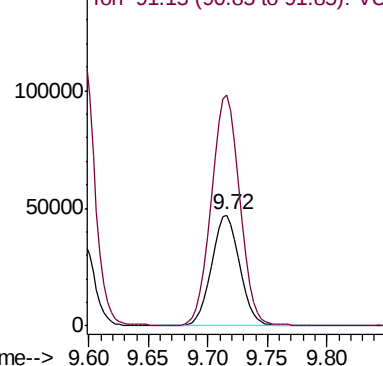
Ion Ratio Lower Upper

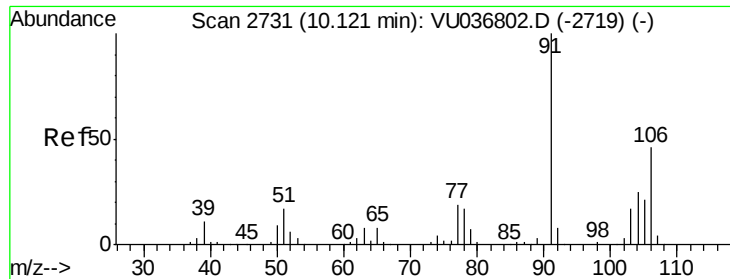
106 100

91 208.6 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036824.D (-2591) (-)

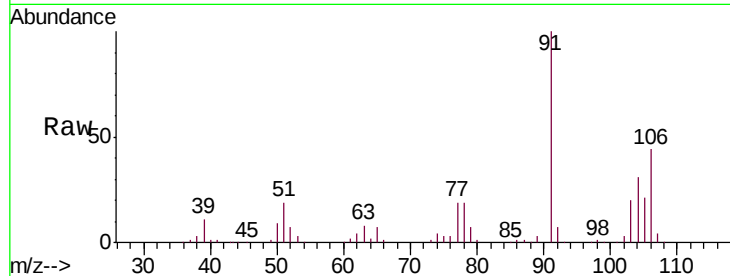




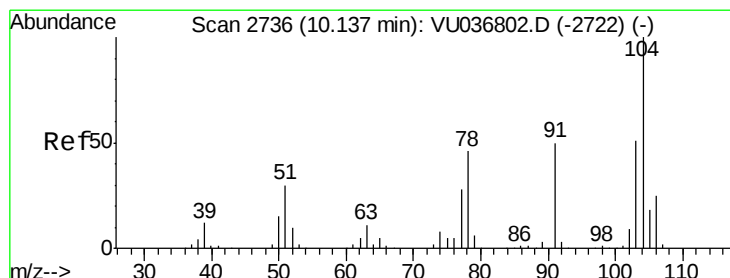
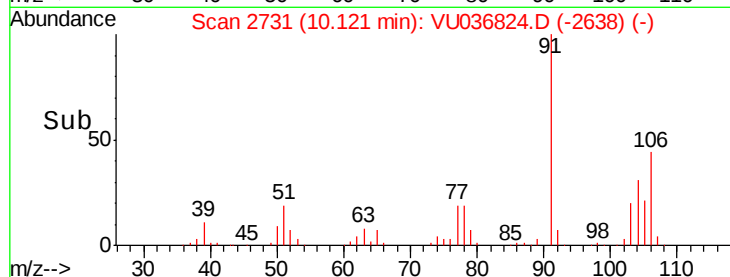
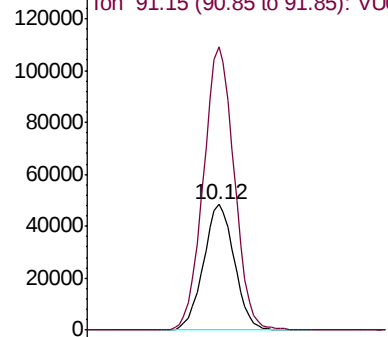
#54
o-Xylene
Concen: 5.065 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU036824.D
Acq: 17 Feb 2020 21:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion:106 Resp: 76008
Ion Ratio Lower Upper
106 100
91 225.8 151.1 280.5

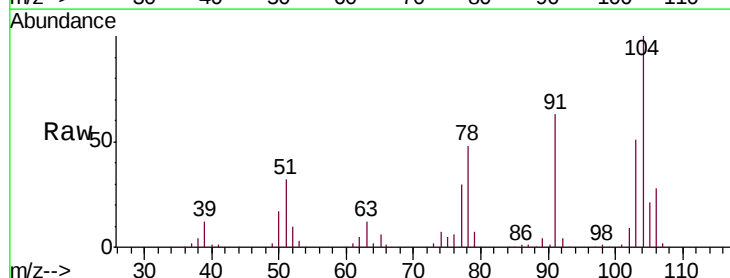


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

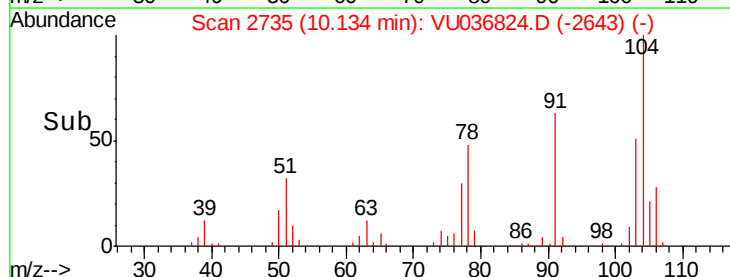
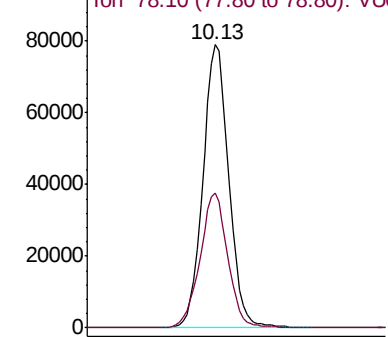


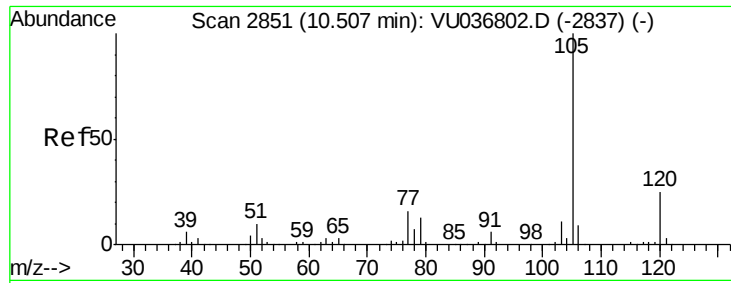
#55
Styrene
Concen: 5.081 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU036824.D
Acq: 17 Feb 2020 21:07

Tgt Ion:104 Resp: 128541
Ion Ratio Lower Upper
104 100
78 47.7 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.139 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

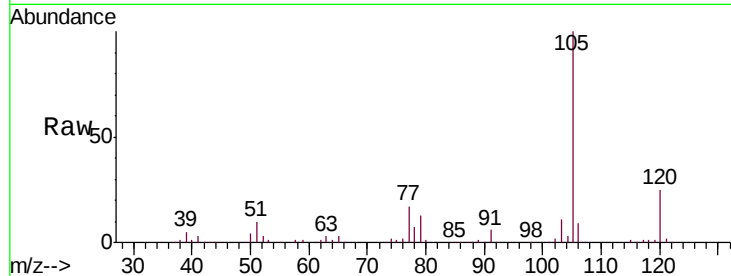
Tgt Ion: 105 Resp: 206382

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

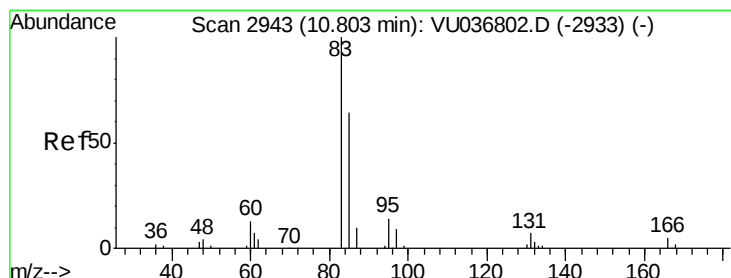
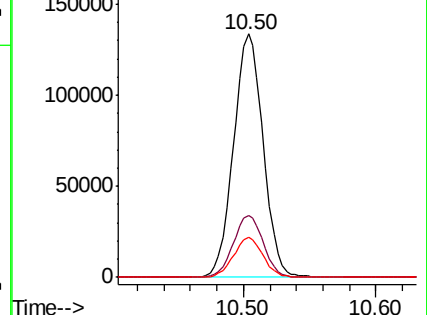
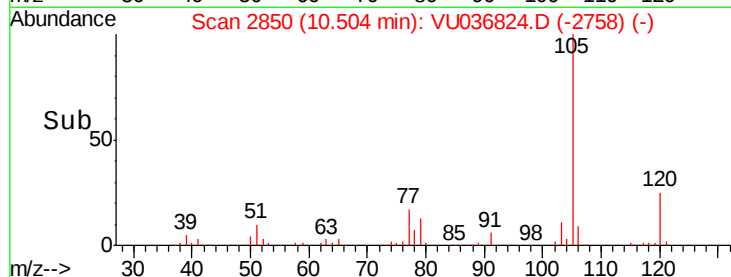
77 16.4 13.0 19.6



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: 5.145 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

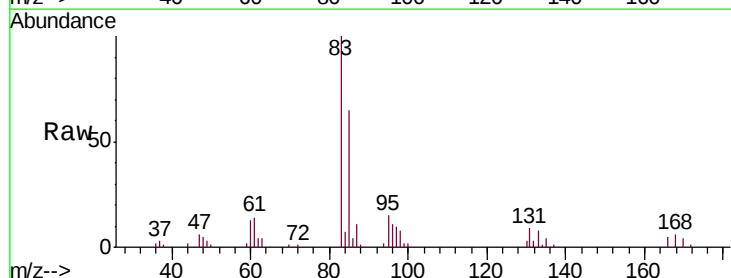
Tgt Ion: 83 Resp: 44288

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6

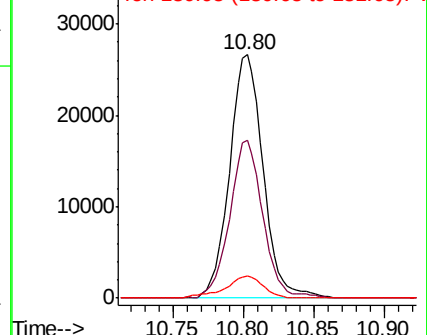
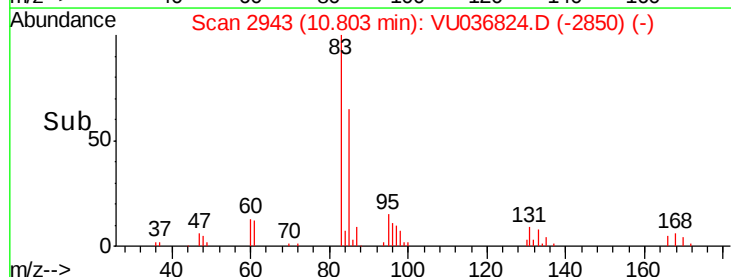
131 9.0 6.8 10.2

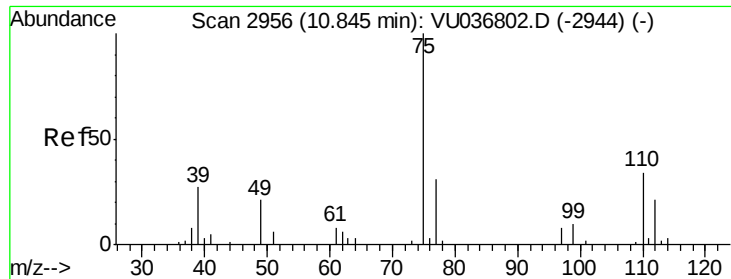


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.086 ug/L

RT: 10.84 min Scan# 2956

Delta R.T. -0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

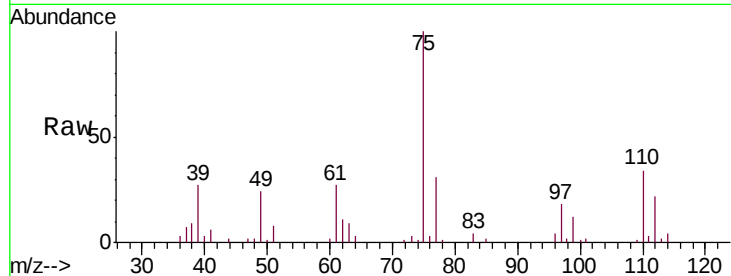
VSTD00521

Tgt Ion: 75 Resp: 31740

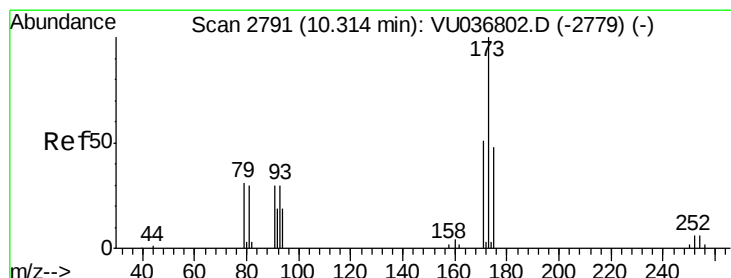
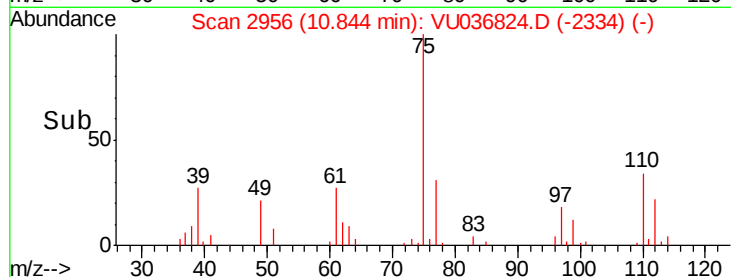
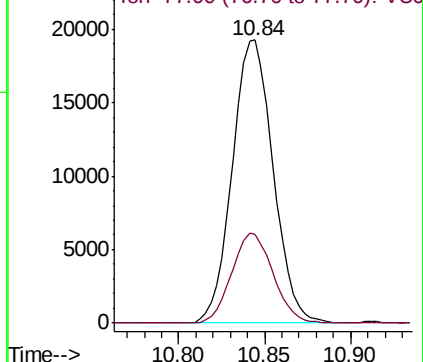
Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU036824.D (-2334) (-)



#61

Bromoform

Concen: 5.075 ug/L

RT: 10.31 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

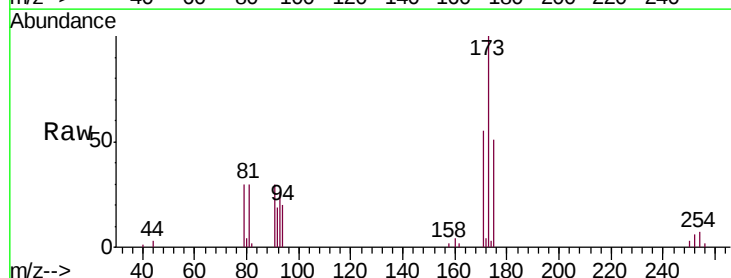
Tgt Ion: 173 Resp: 17436

Ion Ratio Lower Upper

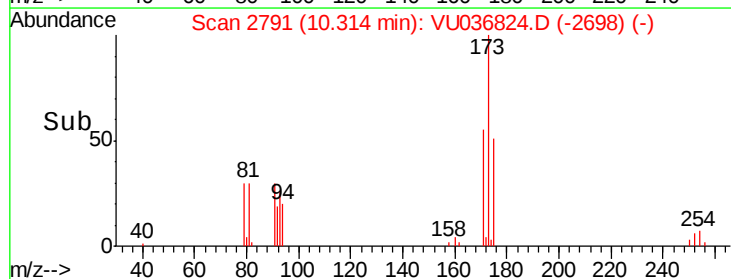
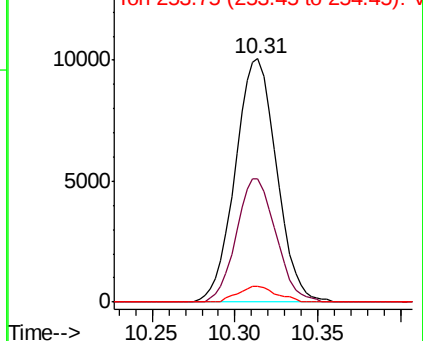
173 100

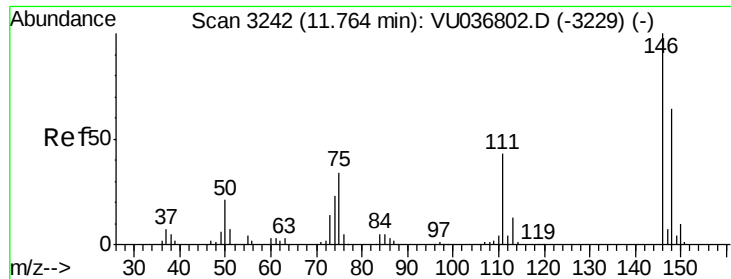
175 48.5 39.9 59.9

254 5.9 4.6 6.8



Abundance Ion 172.90 (172.60 to 173.60): VU036824.D (-2698) (-)

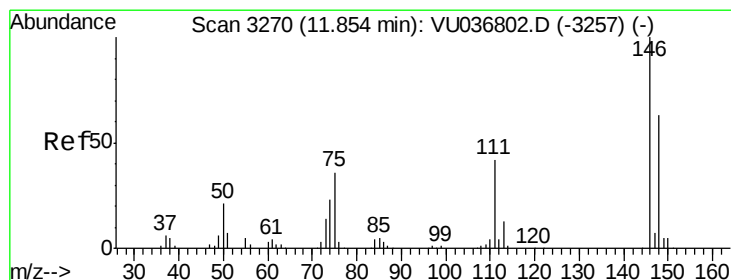
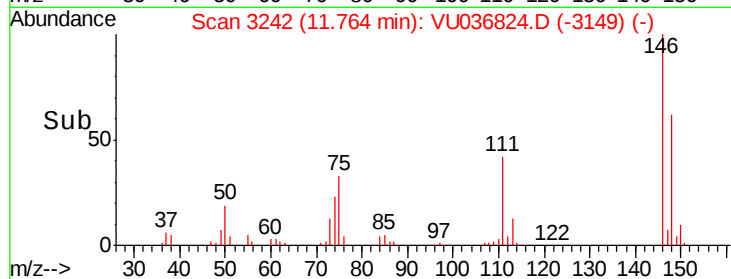
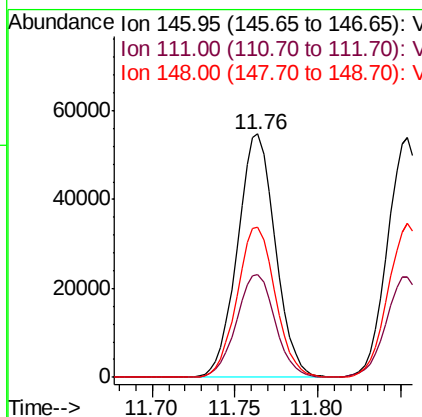
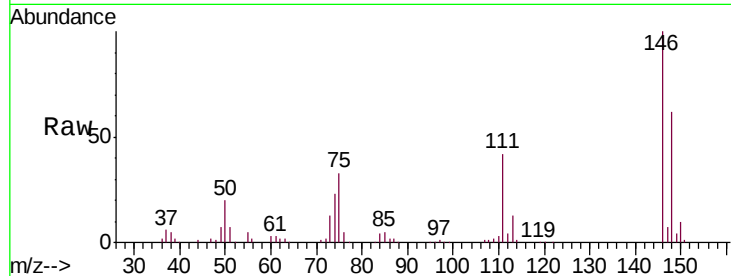




#62
 1,3-Dichlorobenzene
 Concen: 5.064 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. -0.00 min
 Lab File: VU036824.D
 Acq: 17 Feb 2020 21:07

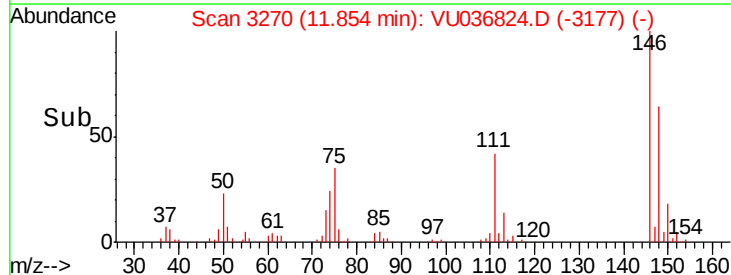
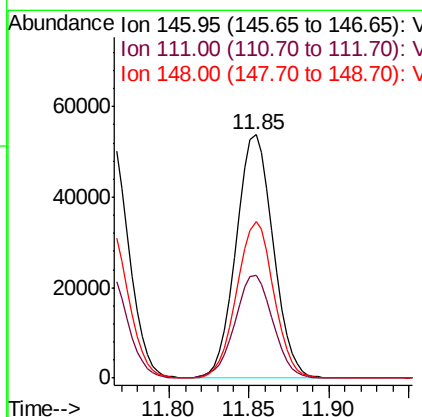
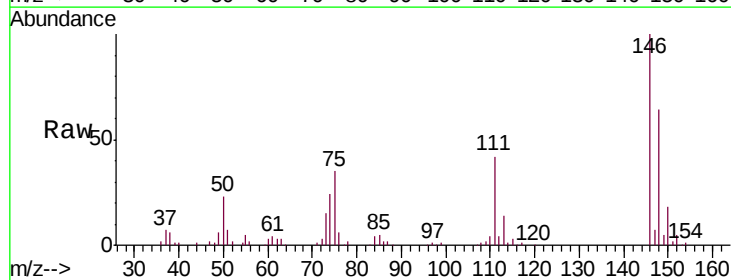
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

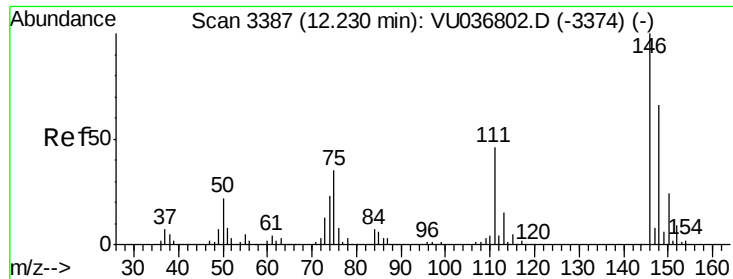
Tgt Ion:146 Resp: 87002
 Ion Ratio Lower Upper
 146 100
 111 42.3 30.0 55.8
 148 61.6 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 4.979 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU036824.D
 Acq: 17 Feb 2020 21:07

Tgt Ion:146 Resp: 84808
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.2 54.2
 148 64.1 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 5.091 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. -0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

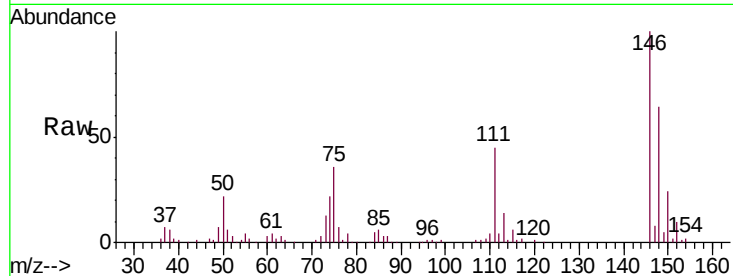
Tgt Ion:146 Resp: 84331

Ion Ratio Lower Upper

146 100

111 44.6 35.9 53.9

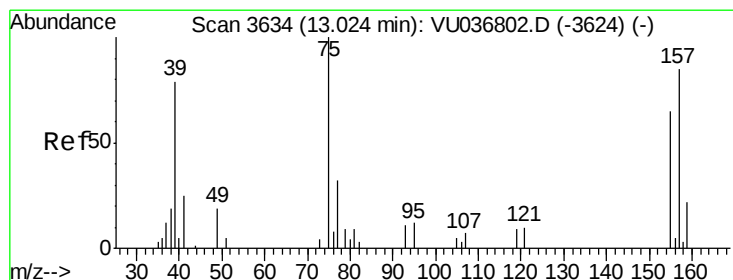
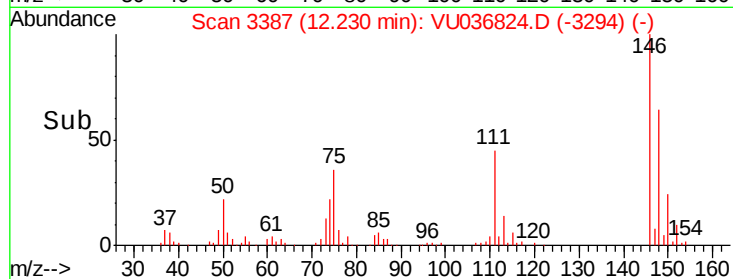
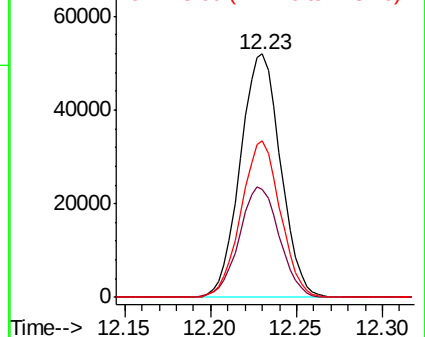
148 64.1 50.4 75.6



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: 4.869 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

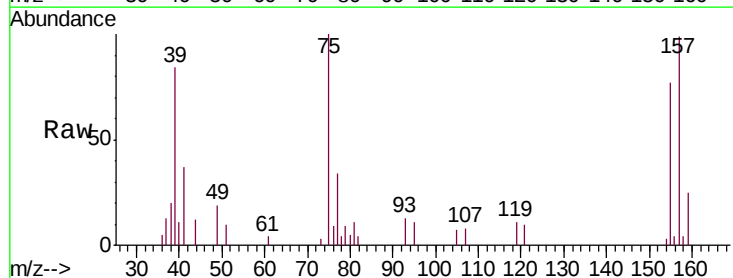
Tgt Ion: 75 Resp: 6019

Ion Ratio Lower Upper

75 100

155 77.0 52.9 79.3

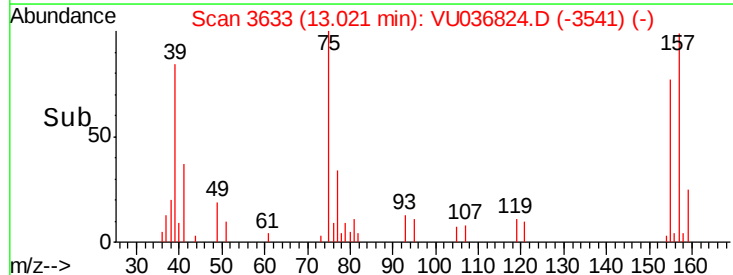
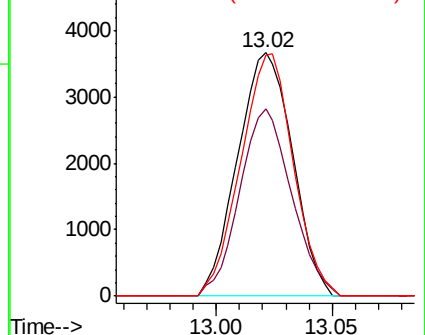
157 99.1 69.2 103.8

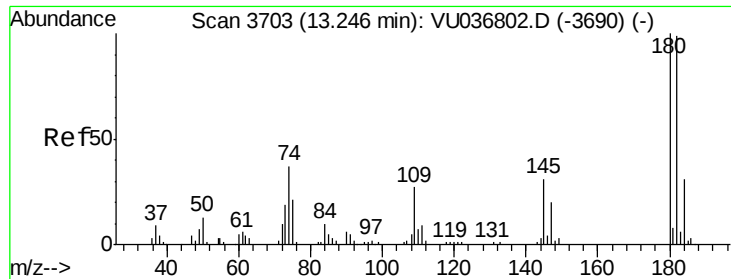


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

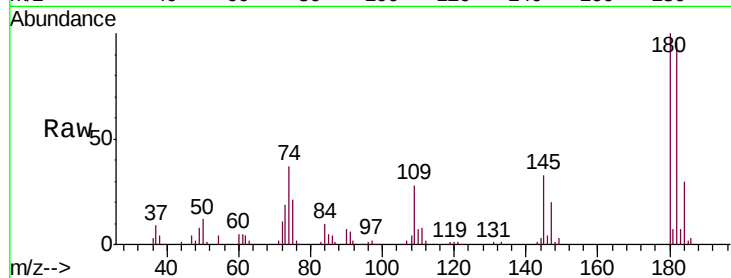




#67
 1,3,5-Trichlorobenzene
 Concen: 4.951 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU036824.D
 Acq: 17 Feb 2020 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
184	29.7	24.6	37.0
145	31.6	25.3	37.9



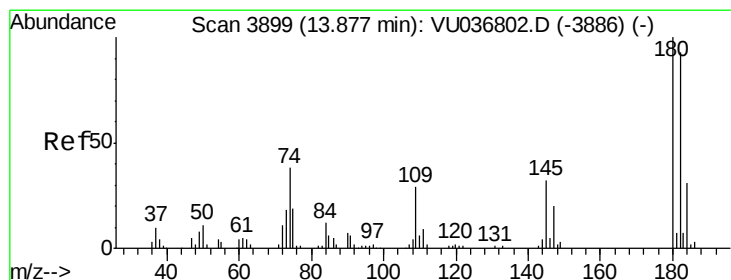
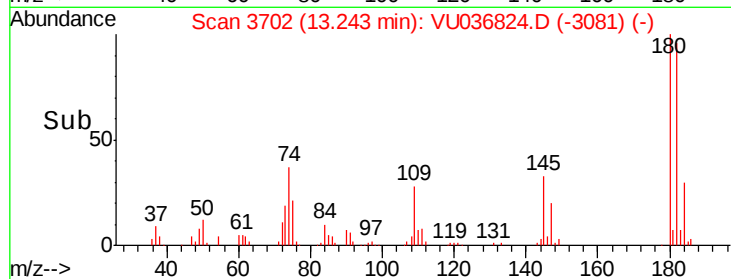
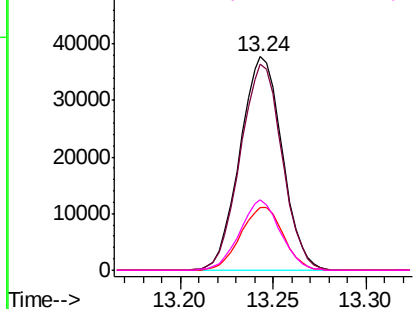
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

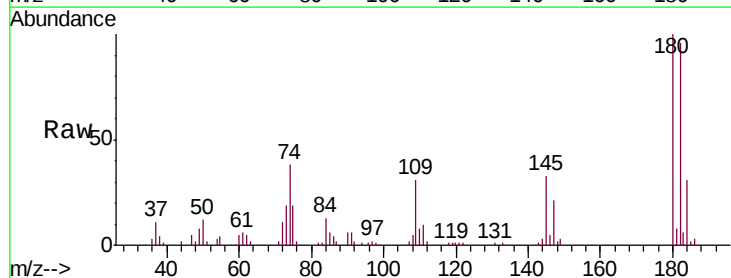
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.686 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.01 min
 Lab File: VU036824.D
 Acq: 17 Feb 2020 21:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.0	115.6
145	31.6	26.5	39.7

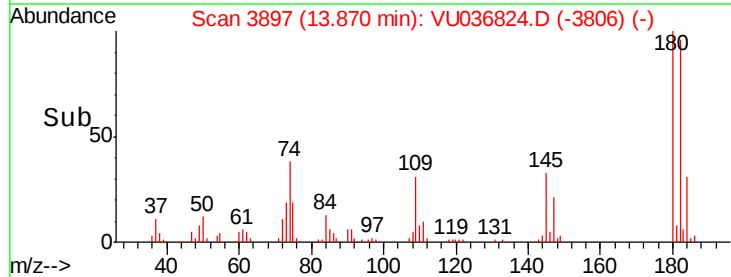
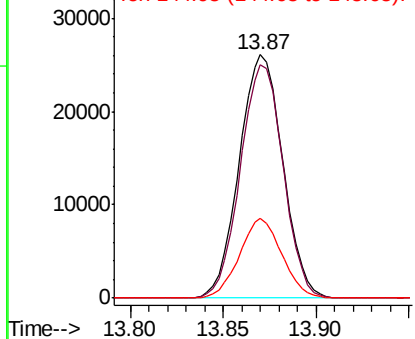


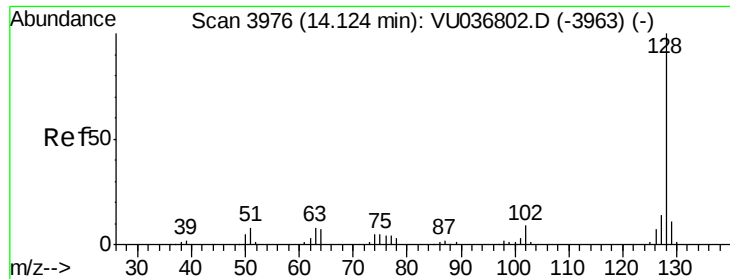
Abundance

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: 4.553 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

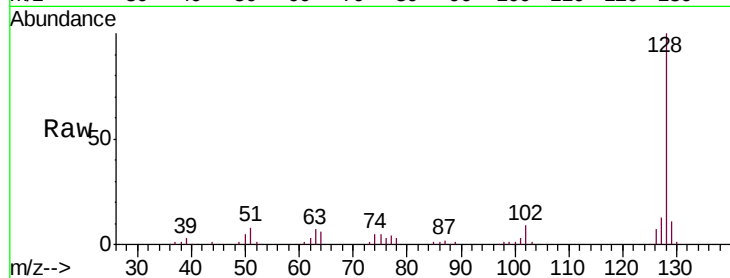
Tgt Ion:128 Resp: 75237

Ion Ratio Lower Upper

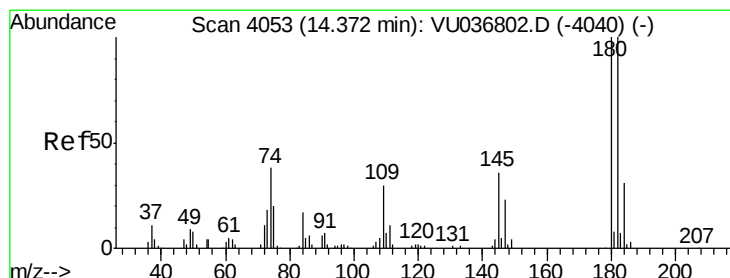
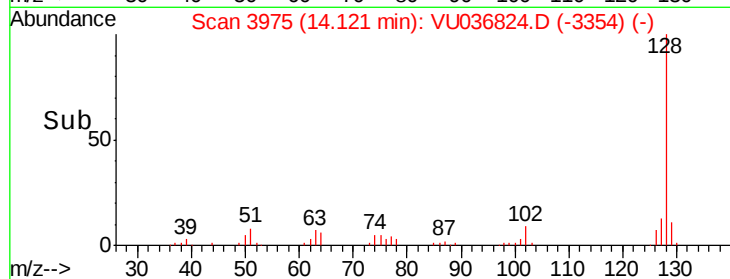
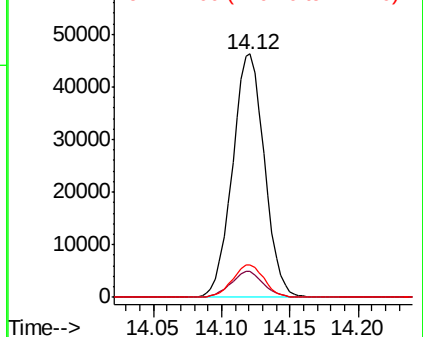
128 100

129 10.7 9.0 13.4

127 13.2 10.8 16.2



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: 4.975 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. -0.01 min

Lab File: VU036824.D

Acq: 17 Feb 2020 21:07

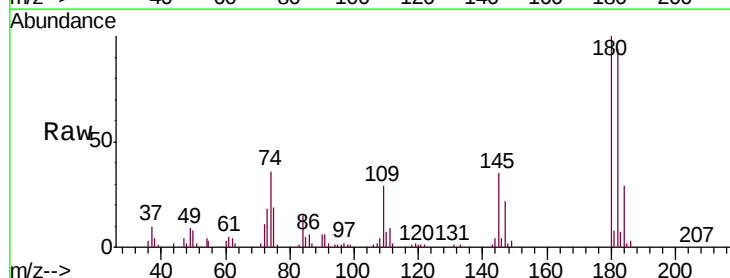
Tgt Ion:180 Resp: 40727

Ion Ratio Lower Upper

180 100

182 94.3 78.2 117.4

145 34.9 27.0 40.6



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

