

Data File : VU037493.D
Acq On : 31 Mar 2020 11:24
Operator : JC/MD
Sample : VSTD0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Quant Time: Mar 31 12:39:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR033120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 31 12:37:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	105733	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	100727	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	47378	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	3690	0.47	ug/L	0.00
7) Chloroethane-d5	1.93	69	3794	0.65	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	7347	0.48	ug/L	0.00
20) 2-Butanone-d5	4.69	46	11393	5.36	ug/L	0.00
24) Chloroform-d	5.11	84	6887	0.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	4169	0.49	ug/L	0.00
32) Benzene-d6	5.76	84	14090	0.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	4154	0.43	ug/L	0.00
41) Toluene-d8	7.92	98	12845	0.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	2054	0.45	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	9468	5.26	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	3652	0.45	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	4355	0.47	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	4343	0.490 ug/L	89
3) Chloromethane	1.53	50	4301	0.547 ug/L	89
5) Vinyl chloride	1.62	62	4745	0.573 ug/L	98
6) Bromomethane	1.88	94	2547	0.546 ug/L	90
8) Chloroethane	1.95	64	2840	0.615 ug/L	94
9) Trichlorofluoromethane	2.16	101	6449	0.582 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	3682	0.545 ug/L	95
12) 1,1-Dichloroethene	2.61	96	4028	0.579 ug/L	79
13) Acetone	2.70	43	7589	6.209 ug/L	99
14) Carbon disulfide	2.82	76	12730	0.535 ug/L	98
15) Methyl Acetate	2.99	43	1235	0.362 ug/L	93
16) Methylene chloride	3.08	84	4515	0.581 ug/L	88
17) Methyl tert-butyl Ether	3.41	73	10921	0.577 ug/L #	88
18) trans-1,2-Dichloroethene	3.39	96	4017	0.552 ug/L	93
19) 1,1-Dichloroethane	3.91	63	7707	0.567 ug/L	96
21) 2-Butanone	4.76	43	13174	6.340 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	4533	0.556 ug/L	96
23) Bromochloromethane	5.02	128	1838	0.511 ug/L	89
25) Chloroform	5.13	83	8017	0.561 ug/L	94
27) 1,2-Dichloroethane	5.84	62	5250	0.550 ug/L #	93
29) 1,1,1-Trichloroethane	5.36	97	6923	0.547 ug/L	98
30) Cyclohexane	5.43	56	7344	0.566 ug/L	94
31) Carbon tetrachloride	5.56	117	5739	0.525 ug/L	96
33) Benzene	5.81	78	16954	0.568 ug/L	100
34) Trichloroethene	6.57	95	4590	0.540 ug/L	90
35) Methylcyclohexane	6.79	83	7173	0.533 ug/L	95
37) 1,2-Dichloropropane	6.82	63	4356	0.565 ug/L #	89
38) Bromodichloromethane	7.14	83	5958	0.565 ug/L	91
39) cis-1,3-Dichloropropene	7.64	75	6878	0.547 ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	34939	6.806 ug/L	99

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Instrument :
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ClientSampleId :
VSTD0.503

Quant Time: Mar 31 12:39:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR033120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 31 12:37:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	17395	0.541	ug/L	94
44) trans-1,3-Dichloropropene	8.23	75	6095	0.542	ug/L	86
45) 1,1,2-Trichloroethane	8.43	97	3255	0.564	ug/L	92
47) Tetrachloroethene	8.57	164	2954	0.505	ug/L	95
48) 2-Hexanone	8.71	43	24941	6.740	ug/L	99
49) Dibromochloromethane	8.83	129	3872	0.544	ug/L	88
50) 1,2-Dibromoethane	8.95	107	3298	0.589	ug/L #	99
51) Chlorobenzene	9.47	112	11159	0.502	ug/L	96
52) Ethylbenzene	9.59	91	21059	0.571	ug/L	99
53) m,p-Xylene	9.71	106	8073	0.579	ug/L	93
54) o-Xylene	10.12	106	6969	0.512	ug/L	90
55) Styrene	10.13	104	12430	0.535	ug/L	94
56) Isopropylbenzene	10.50	105	19032	0.525	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.80	83	4177	0.567	ug/L #	89
59) 1,2,3-Trichloropropane	10.84	75	3061	0.571	ug/L	100
61) Bromoform	10.31	173	2325	0.590	ug/L #	92
62) 1,3-Dichlorobenzene	11.76	146	8749	0.574	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	8926	0.549	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	8030	0.546	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	737	0.570	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	5787	0.490	ug/L	96
68) 1,2,4-trichlorobenzene	13.87	180	6206	0.545	ug/L	91
69) Naphthalene	14.12	128	13856	0.627	ug/L	98
70) 1,2,3-Trichlorobenzene	14.37	180	5052	0.493	ug/L	95

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

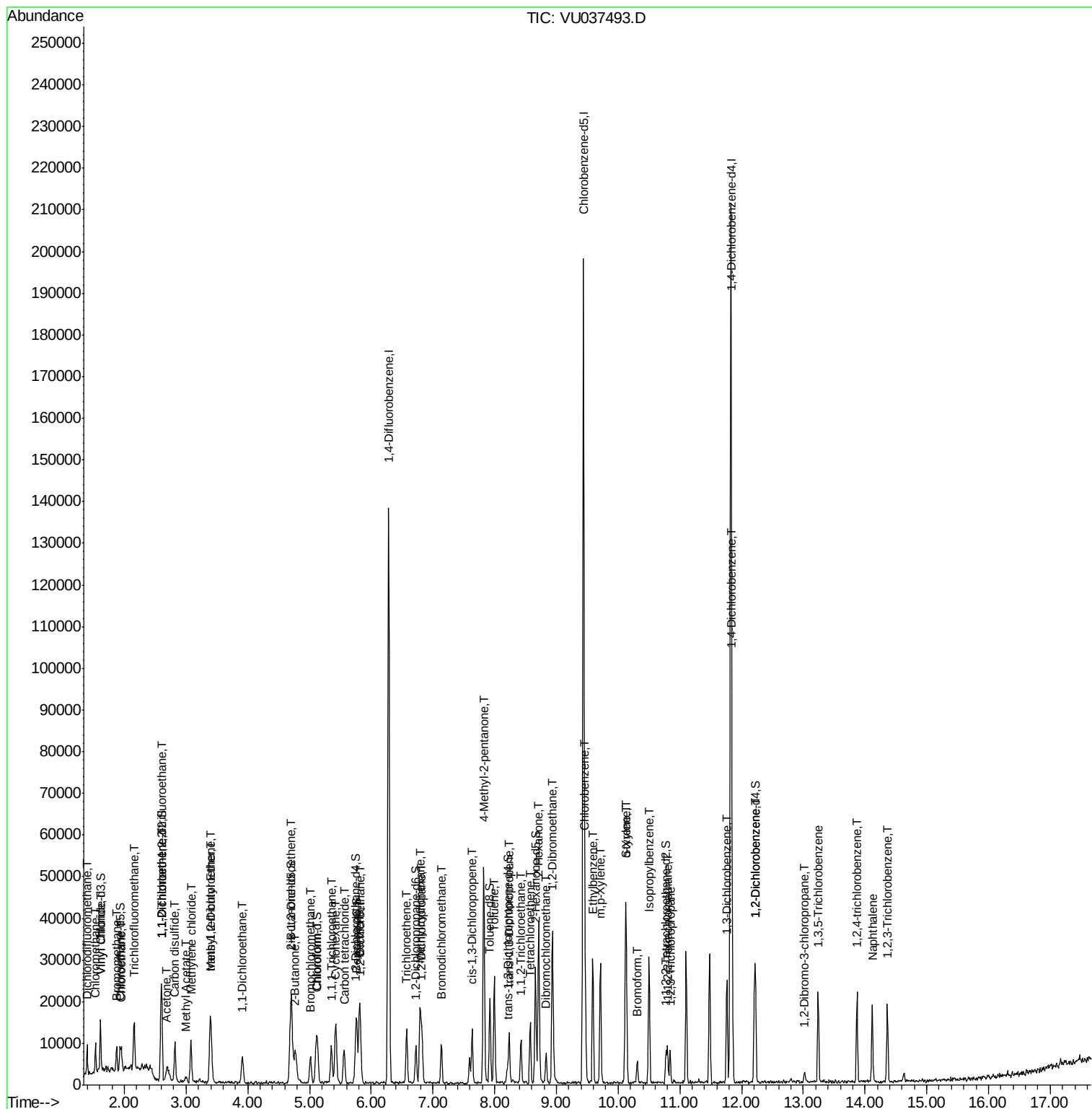
Quant Time: Mar 31 12:39:46 2020

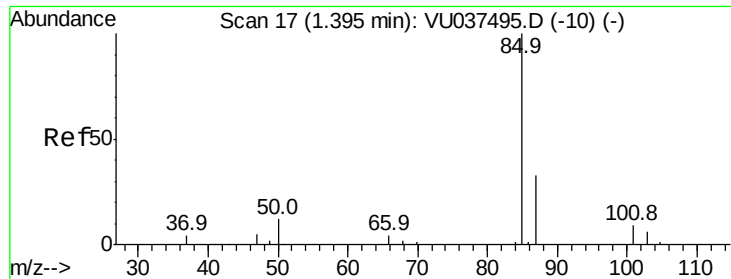
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR033120WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Mar 31 12:37:56 2020

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#2

Dichlorodifluoromethane

Concen: 0.490 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

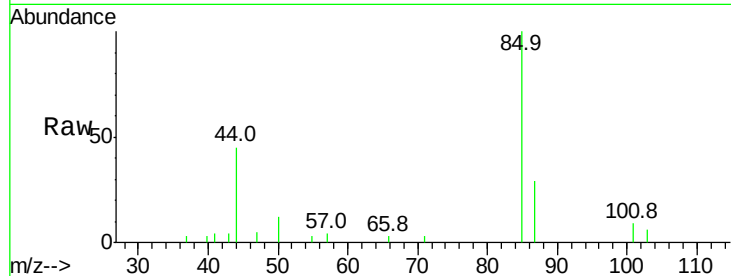
VSTD0.503

Tgt Ion: 85 Resp: 4343

Ion Ratio Lower Upper

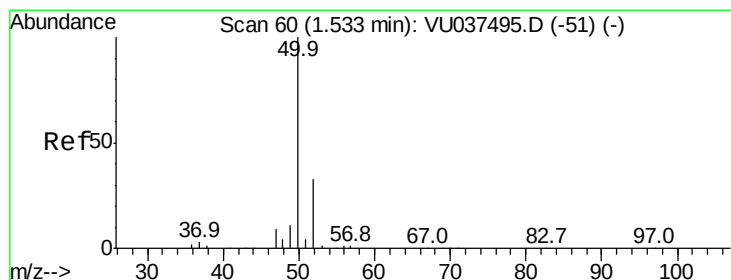
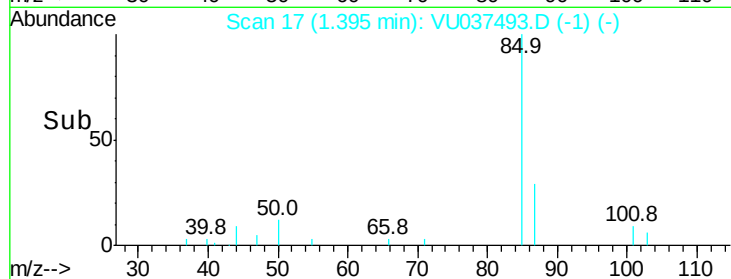
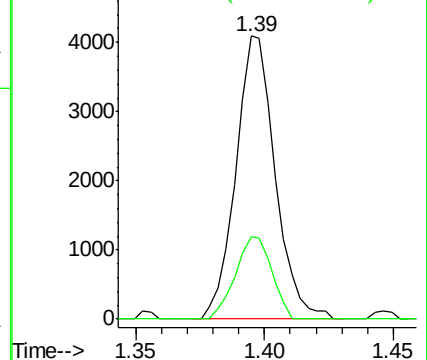
85 100

87 26.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.547 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037493.D

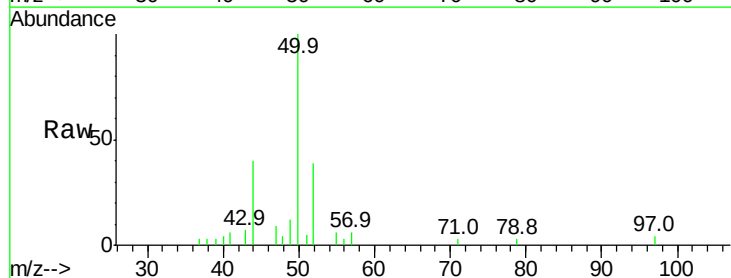
Acq: 31 Mar 2020 11:24

Tgt Ion: 50 Resp: 4301

Ion Ratio Lower Upper

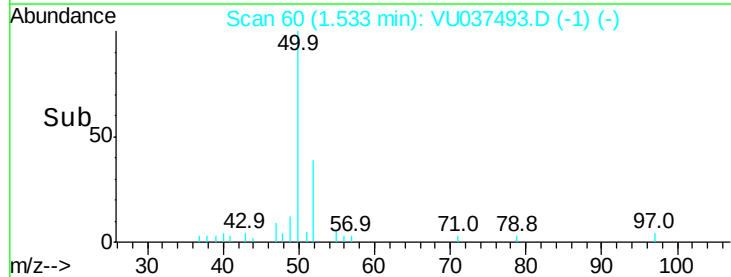
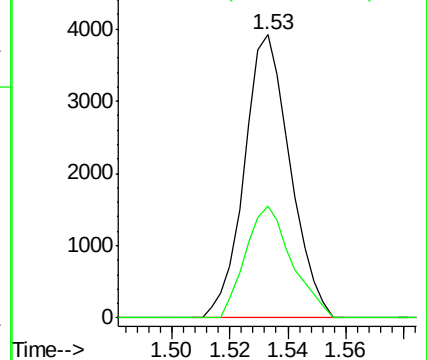
50 100

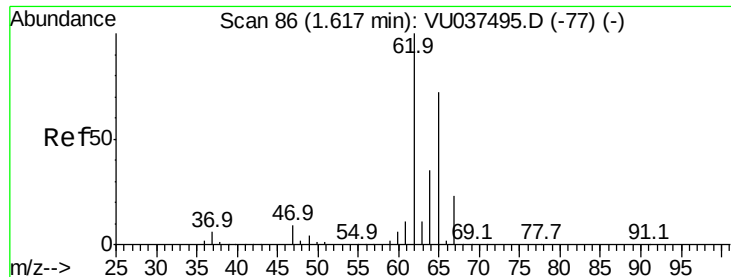
52 39.5 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.573 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

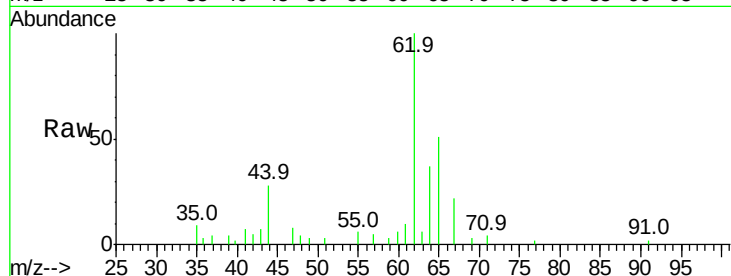
VSTD0.503

Tgt Ion: 62 Resp: 4745

Ion Ratio Lower Upper

62 100

64 36.8 24.8 46.0



Abundance Ion 62.00 (61.70 to 62.70): VU037493.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037493.D (-77) (-)

1.62

4000

3000

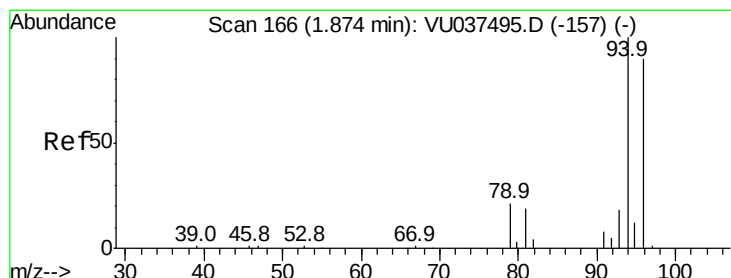
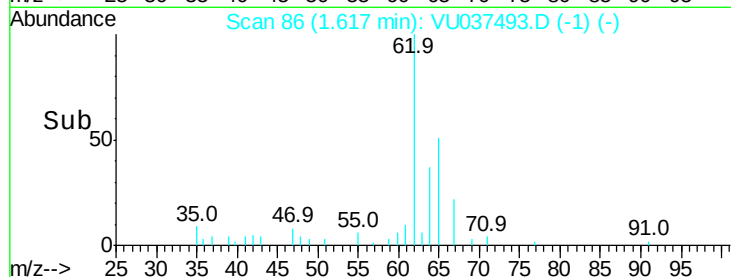
2000

1000

0

1.58 1.60 1.62 1.64 1.66

Time-->



#6

Bromomethane

Concen: 0.546 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU037493.D

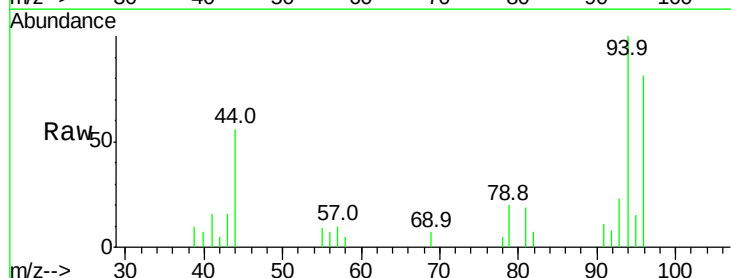
Acq: 31 Mar 2020 11:24

Tgt Ion: 94 Resp: 2547

Ion Ratio Lower Upper

94 100

96 80.7 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU037493.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU037493.D (-157) (-)

1.88

2500

2000

1500

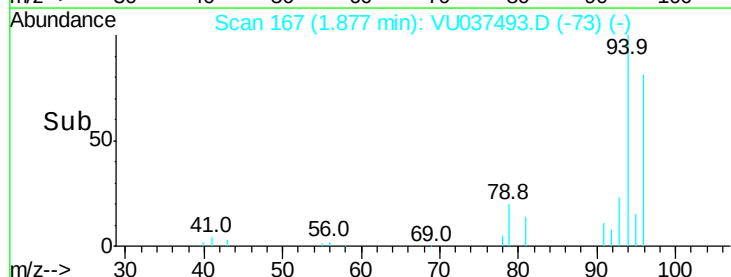
1000

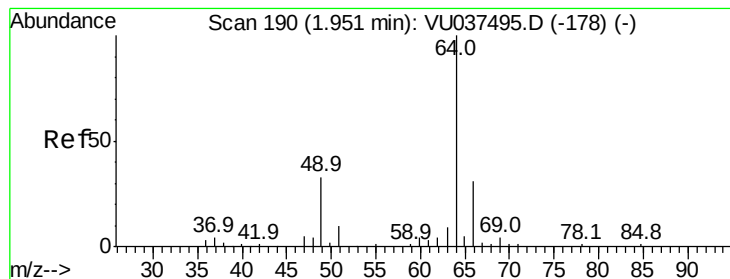
500

0

1.84 1.86 1.88 1.90 1.92

Time-->





#8

Chloroethane

Concen: 0.615 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

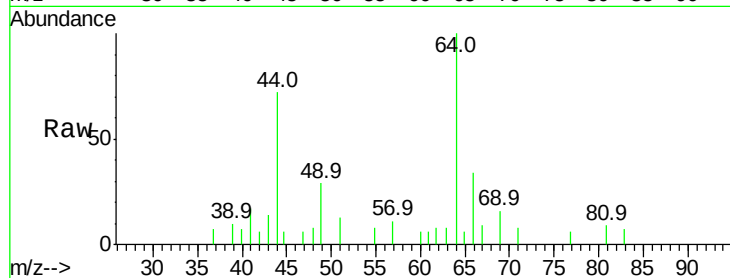
VSTD0.503

Tgt Ion: 64 Resp: 2840

Ion Ratio Lower Upper

64 100

66 33.9 21.6 40.2



Abundance Ion 64.10 (63.80 to 64.80): VU037495.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU037495.D (-178) (-)

1.95

2500

2000

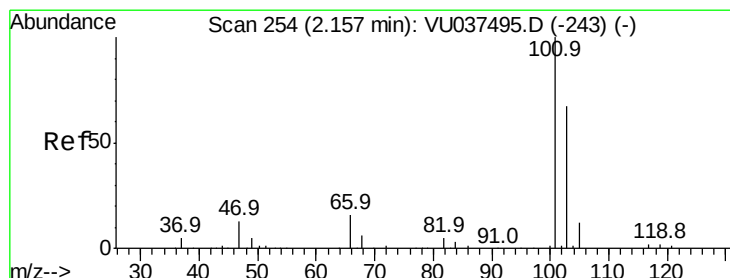
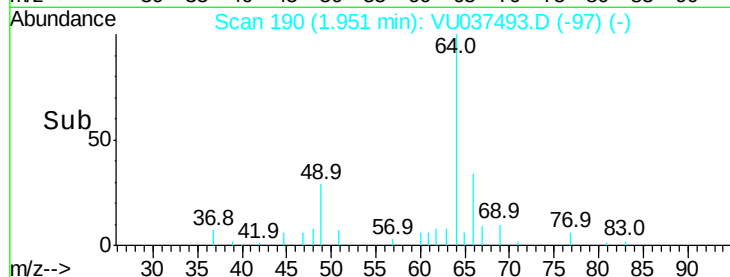
1500

1000

500

0

Time--> 1.90 1.95



#9

Trichlorofluoromethane

Concen: 0.582 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU037493.D

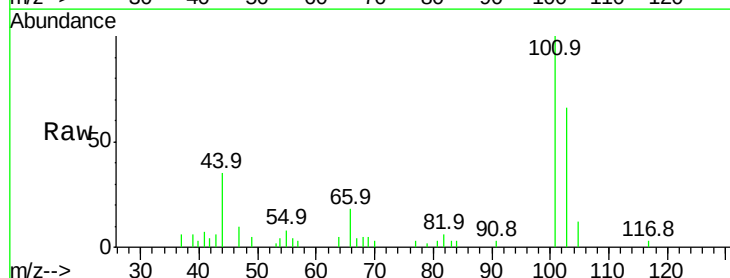
Acq: 31 Mar 2020 11:24

Tgt Ion: 101 Resp: 6449

Ion Ratio Lower Upper

101 100

103 65.7 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU037495.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU037495.D (-243) (-)

2.16

5000

4000

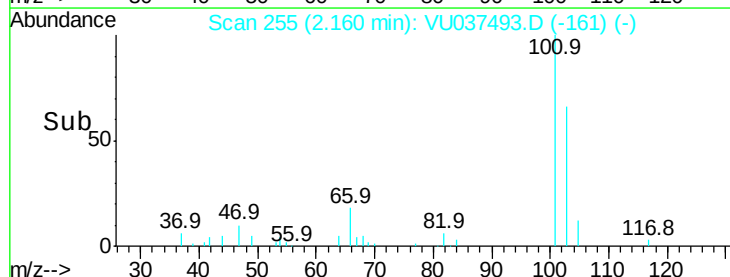
3000

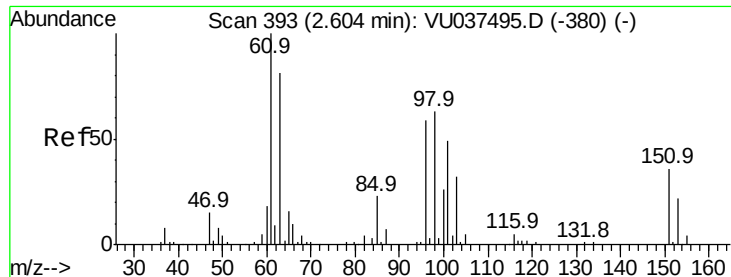
2000

1000

0

Time--> 2.10 2.15 2.20





#10

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

Concen: 0.545 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

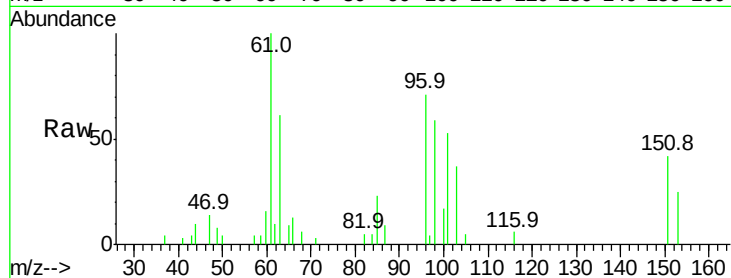
Tgt Ion:101 Resp: 3682

Ion Ratio Lower Upper

101 100

85 53.7 36.6 54.8

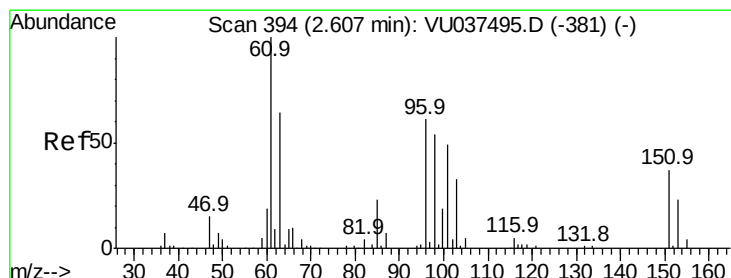
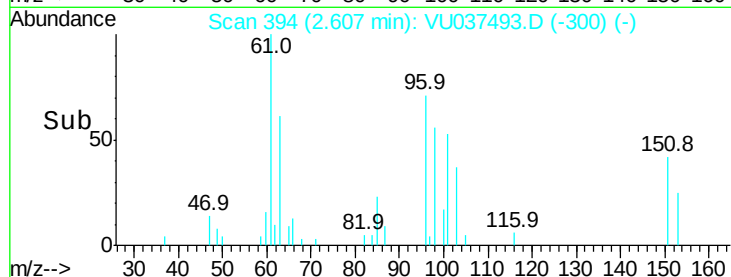
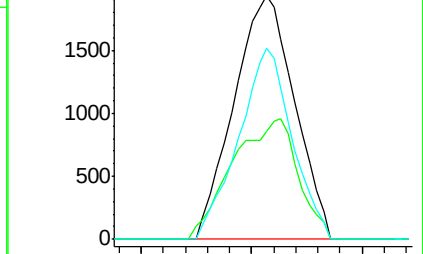
151 69.3 55.9 83.9



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: 0.579 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

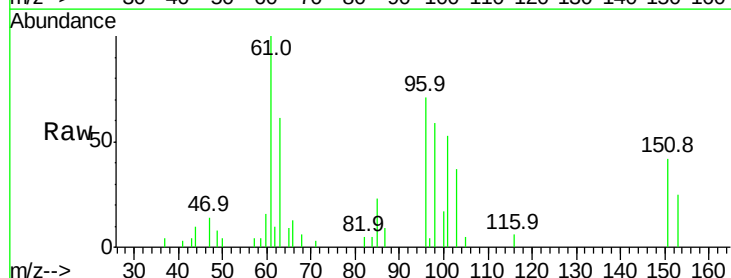
Tgt Ion: 96 Resp: 4028

Ion Ratio Lower Upper

96 100

61 141.7 116.2 215.8

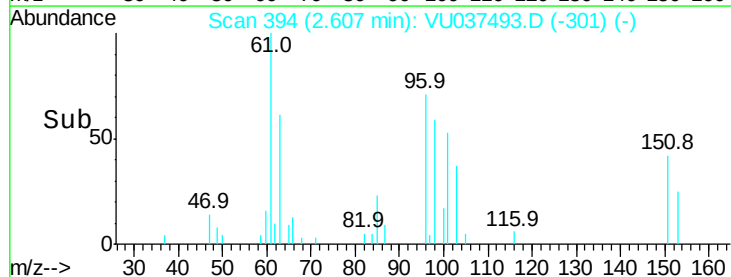
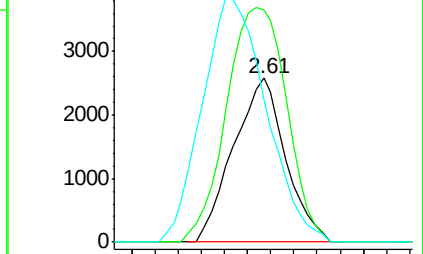
63 86.8 79.2 147.0

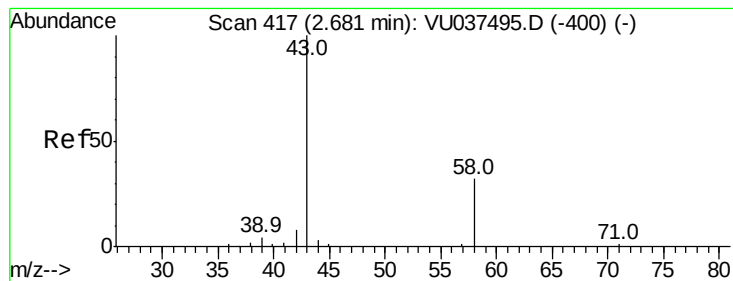


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.209 ug/L

RT: 2.70 min Scan# 422

Delta R.T. 0.02 min

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Instrument :

MSVOA_U

ClientSampleId :

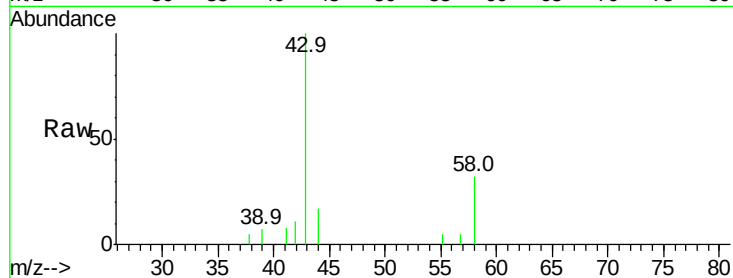
VSTD0.503

Tgt Ion: 43 Resp: 7589

Ion Ratio Lower Upper

43 100

58 33.6 0.0 68.2



Abundance Ion 43.05 (42.75 to 43.75): VU037493.D (-422) (-)

Ion 58.05 (57.75 to 58.75): VU037493.D (-422) (-)

2.70

2000

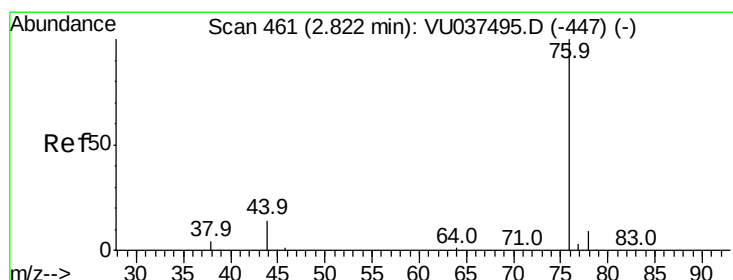
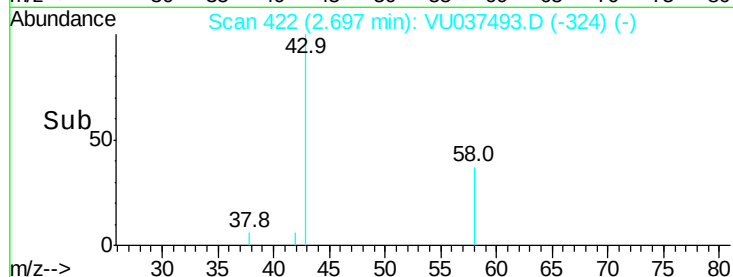
1500

1000

500

0

Time--> 2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 0.535 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037493.D

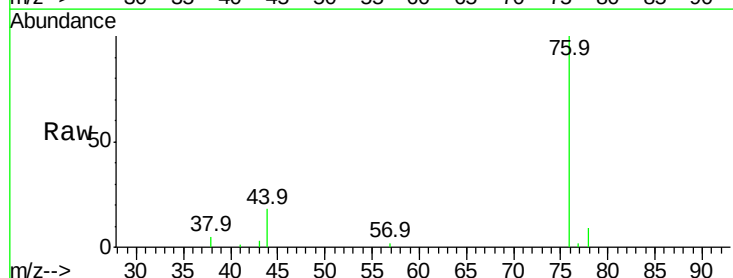
Acq: 31 Mar 2020 11:24

Tgt Ion: 76 Resp: 12730

Ion Ratio Lower Upper

76 100

78 8.5 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU037493.D (-460) (-)

Ion 78.00 (77.70 to 78.70): VU037493.D (-460) (-)

2.82

8000

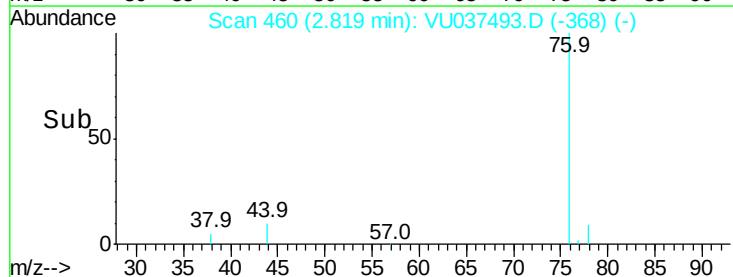
6000

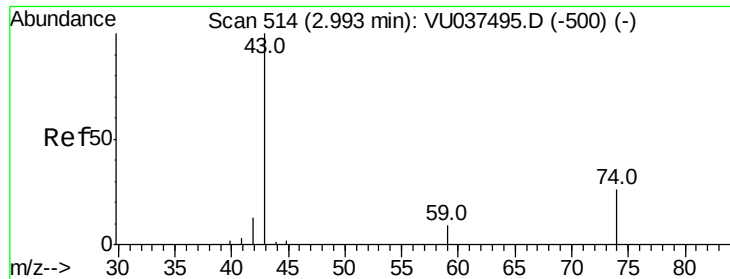
4000

2000

0

Time--> 2.75 2.80 2.85

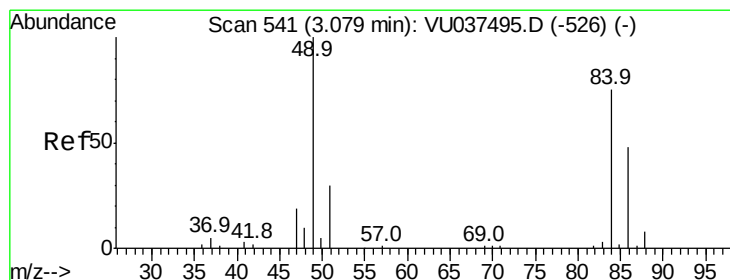
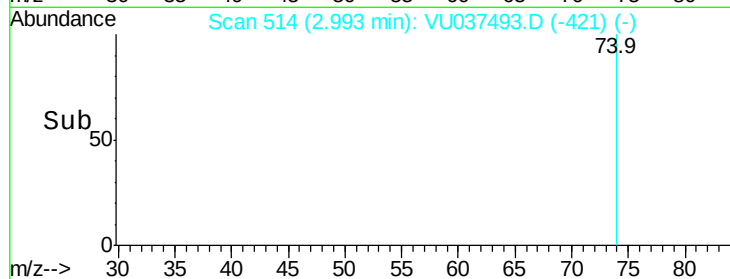
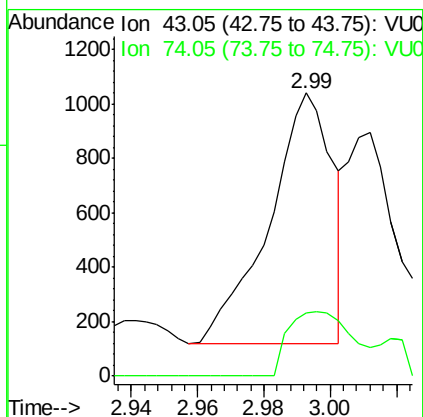
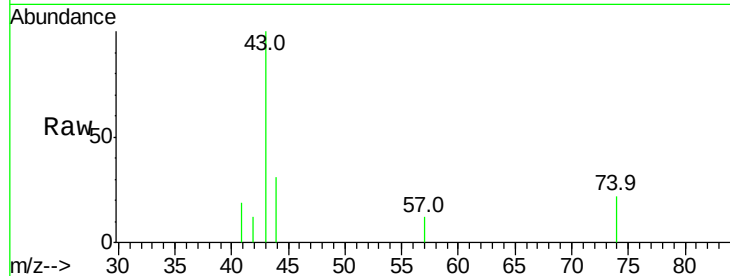




#15
Methyl Acetate
Concen: 0.362 ug/L
RT: 2.99 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU037493.D
Acq: 31 Mar 2020 11:24

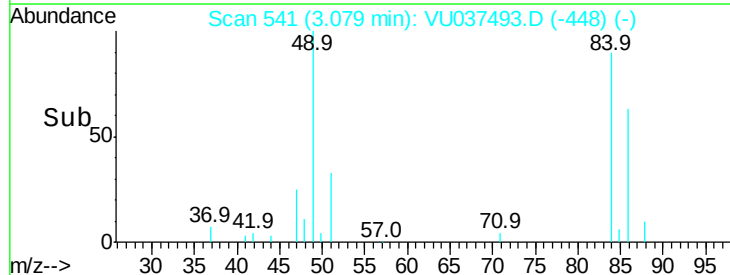
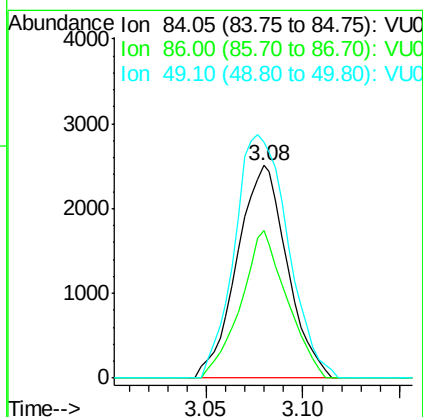
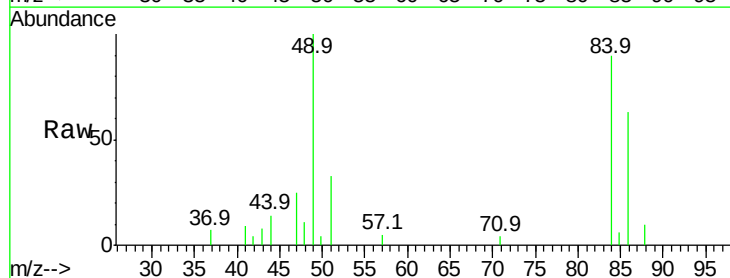
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

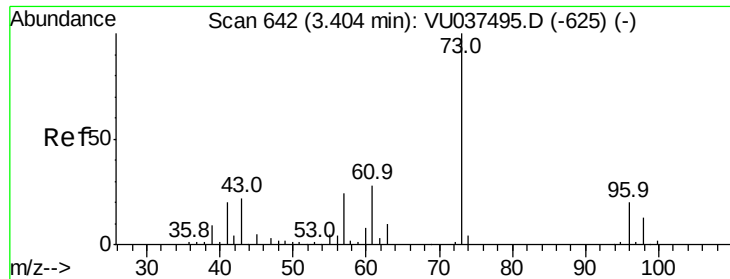
Tgt Ion: 43 Resp: 1235
Ion Ratio Lower Upper
43 100
74 25.9 17.9 26.9



#16
Methylene chloride
Concen: 0.581 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037493.D
Acq: 31 Mar 2020 11:24

Tgt Ion: 84 Resp: 4515
Ion Ratio Lower Upper
84 100
86 69.7 44.7 82.9
49 115.7 92.7 172.3





#17

Methyl tert-butyl Ether

Concen: 0.577 ug/L

RT: 3.41 min Scan# 643

Delta R.T. 0.00 min

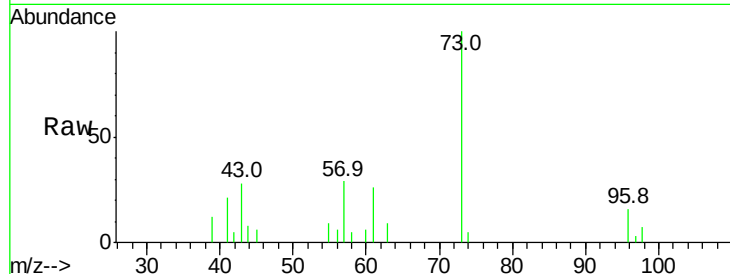
Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tgt Ion: 73 Resp: 10921

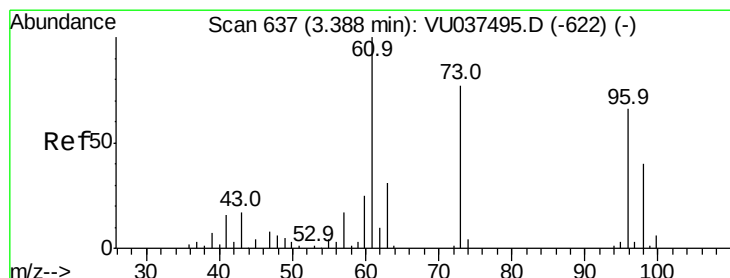
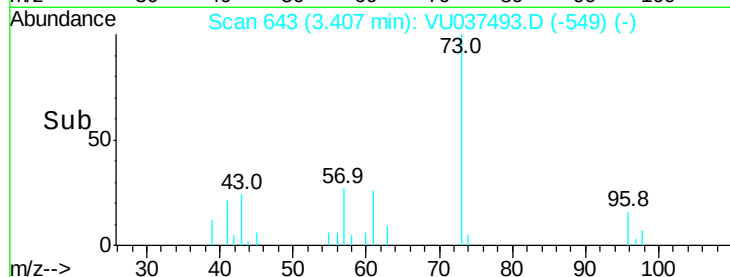
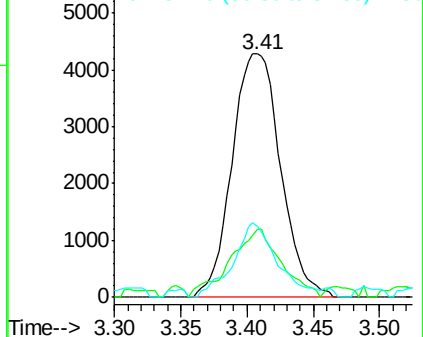
Ion	Ratio	Lower	Upper
73	100		
43	29.5	17.4	26.2#
57	27.7	19.3	28.9



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: 0.552 ug/L

RT: 3.39 min Scan# 637

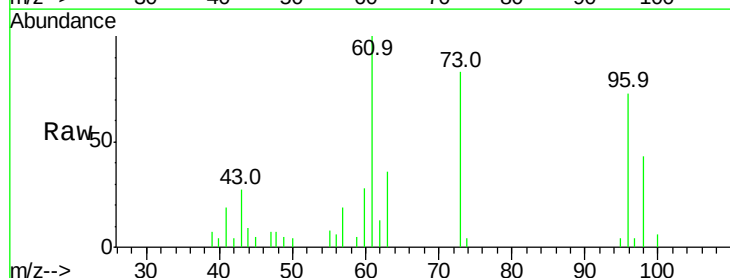
Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Tgt Ion: 96 Resp: 4017

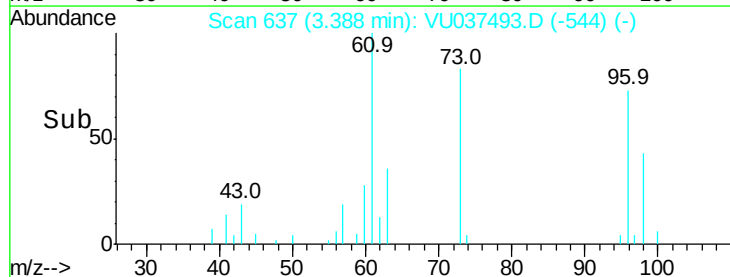
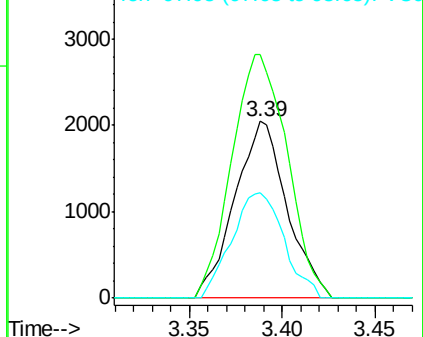
Ion	Ratio	Lower	Upper
96	100		
61	137.9	105.3	195.6
98	59.3	42.3	78.5

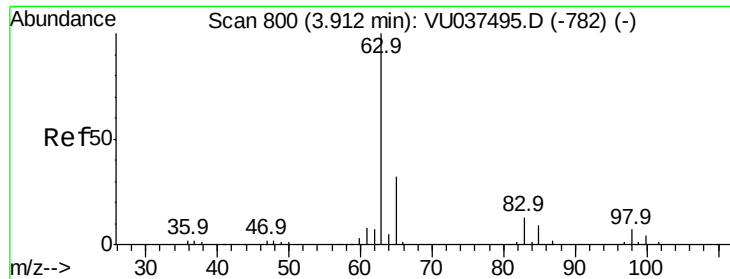


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

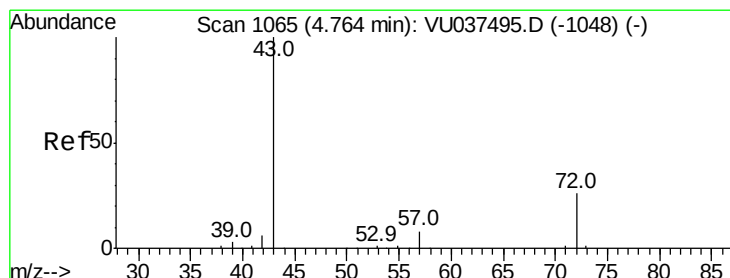
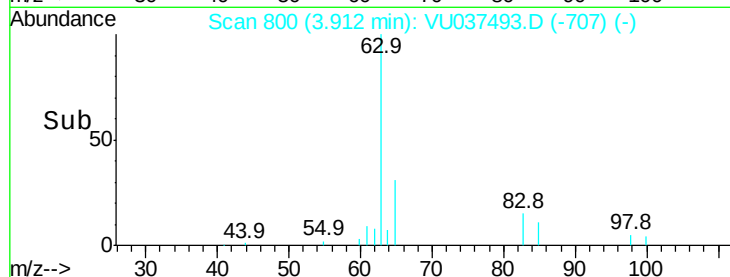
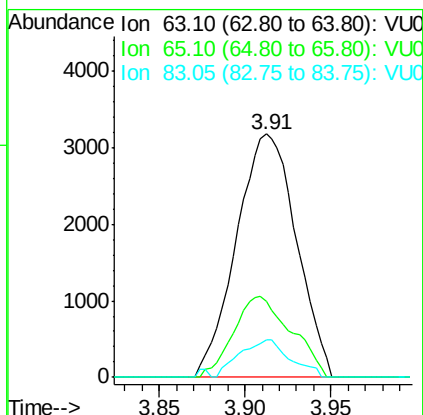
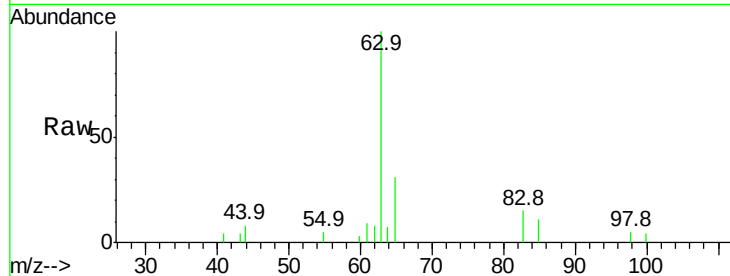




#19
 1,1-Dichloroethane
 Concen: 0.567 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

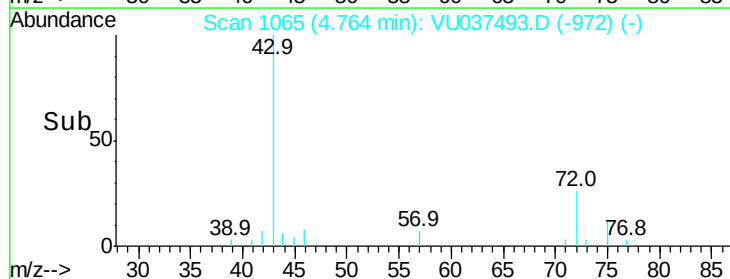
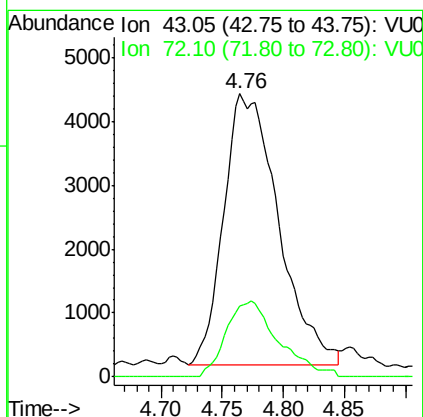
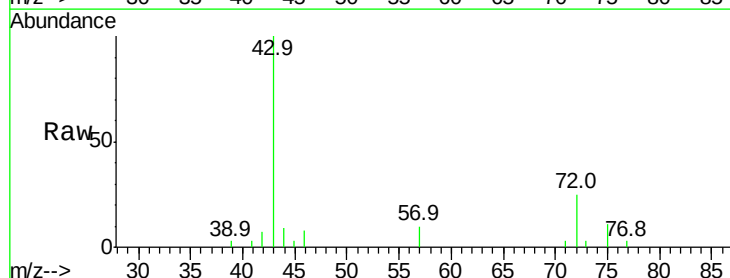
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

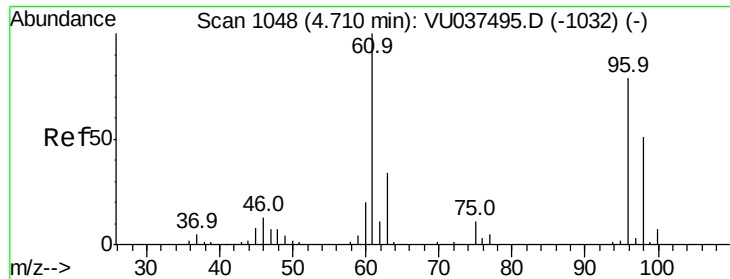
Tgt Ion: 63 Resp: 7707
 Ion Ratio Lower Upper
 63 100
 65 29.3 22.3 41.5
 83 14.3 9.2 17.0



#21
 2-Butanone
 Concen: 6.340 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

Tgt Ion: 43 Resp: 13174
 Ion Ratio Lower Upper
 43 100
 72 27.0 13.7 41.0





#22

cis-1,2-Dichloroethene

Concen: 0.556 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

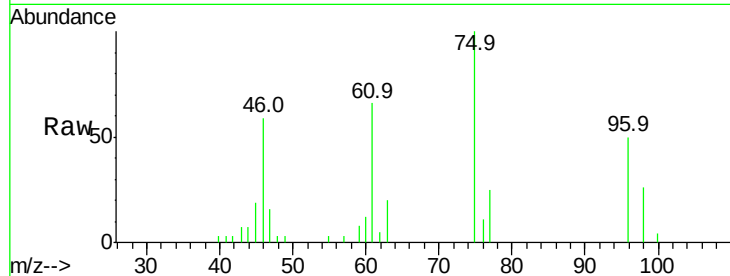
Tgt Ion: 96 Resp: 4533

Ion Ratio Lower Upper

96 100

61 132.1 89.1 165.5

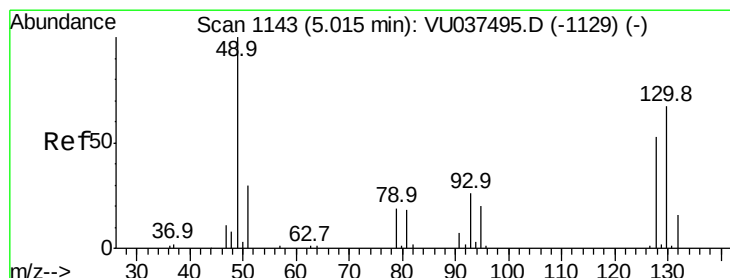
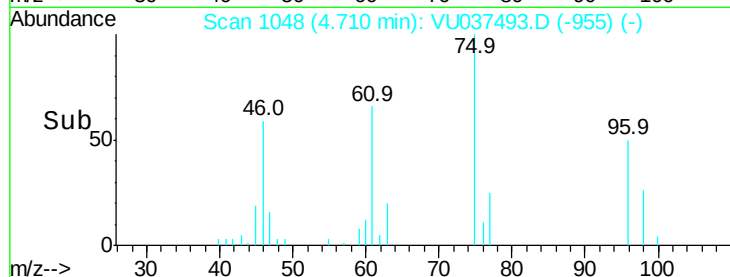
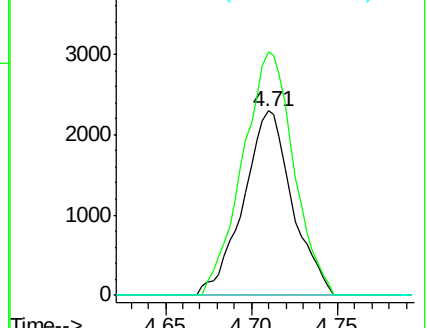
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 0.511 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Tgt Ion: 128 Resp: 1838

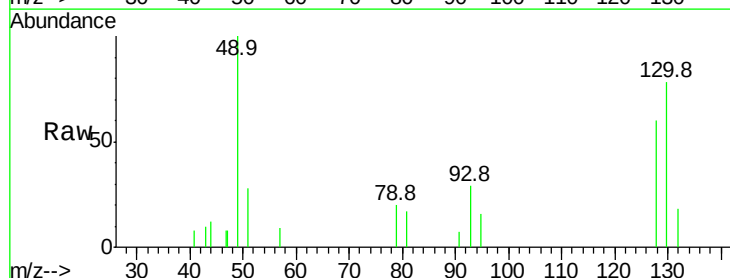
Ion Ratio Lower Upper

128 100

49 166.7 132.4 245.8

130 130.0 88.6 164.6

51 45.9 45.4 68.0

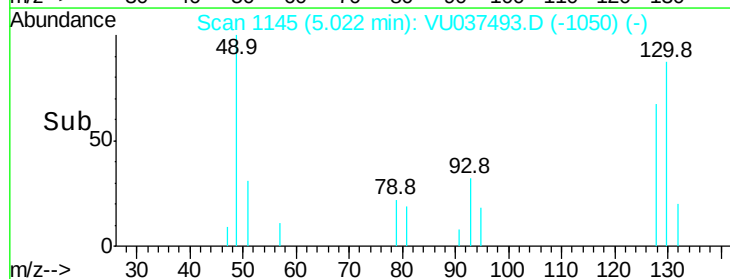
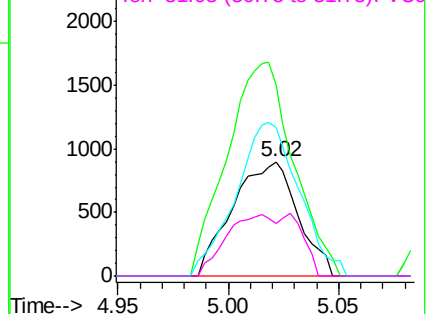


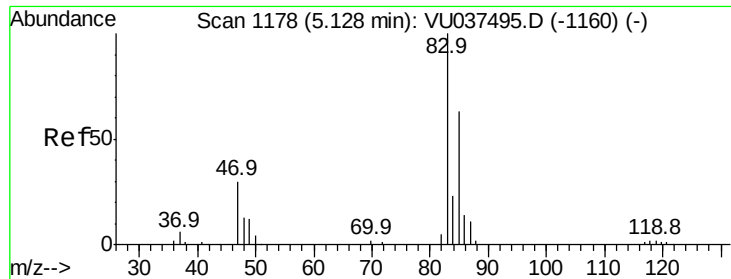
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

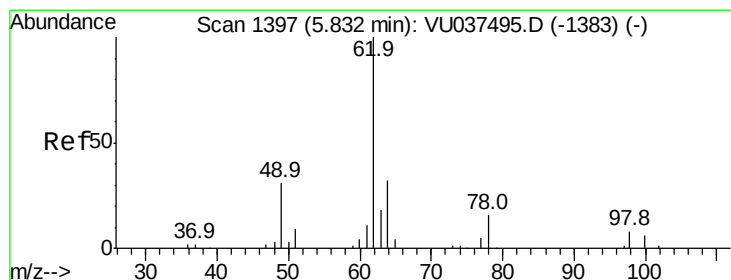
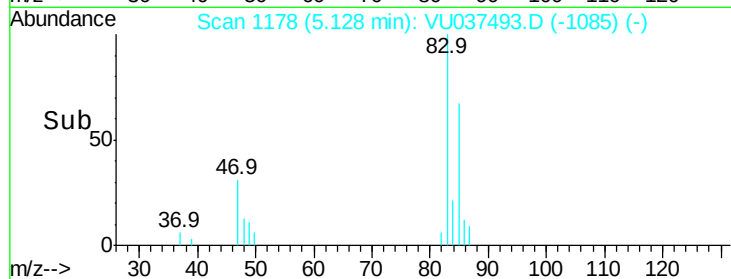
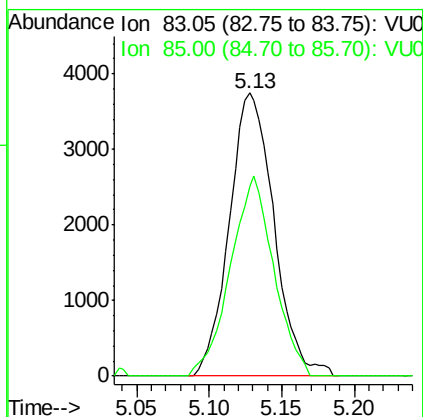
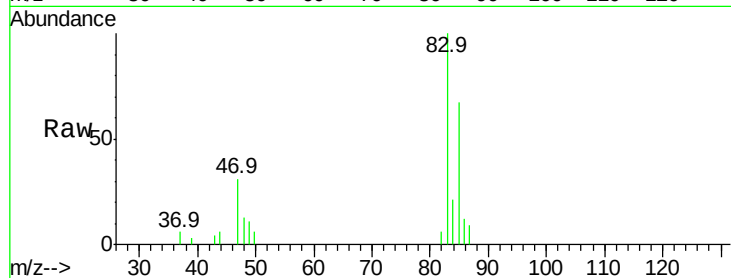




#25
Chloroform
Concen: 0.561 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037493.D
Acq: 31 Mar 2020 11:24

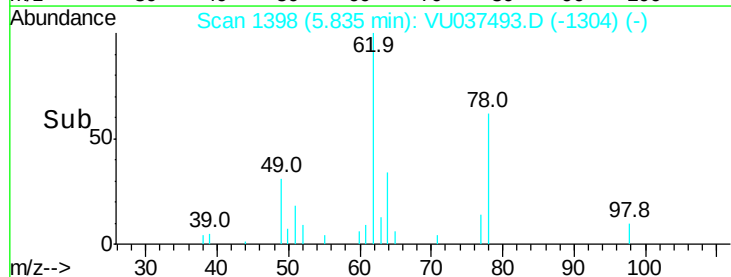
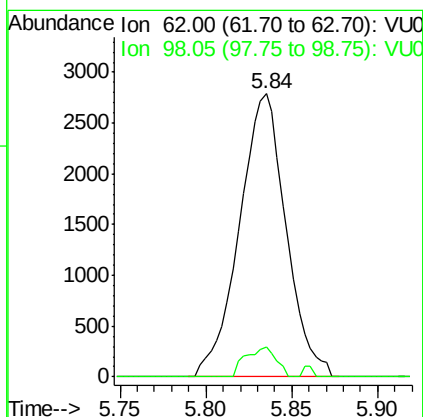
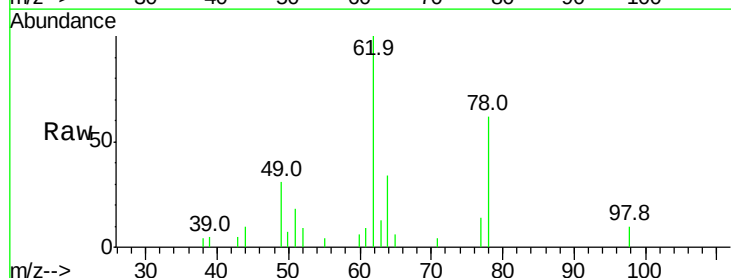
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

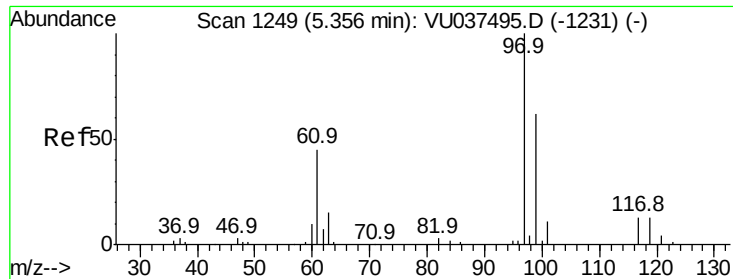
Tgt Ion: 83 Resp: 8017
Ion Ratio Lower Upper
83 100
85 67.3 44.1 81.9



#27
1,2-Dichloroethane
Concen: 0.550 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU037493.D
Acq: 31 Mar 2020 11:24

Tgt Ion: 62 Resp: 5250
Ion Ratio Lower Upper
62 100
98 10.4 6.3 9.5#

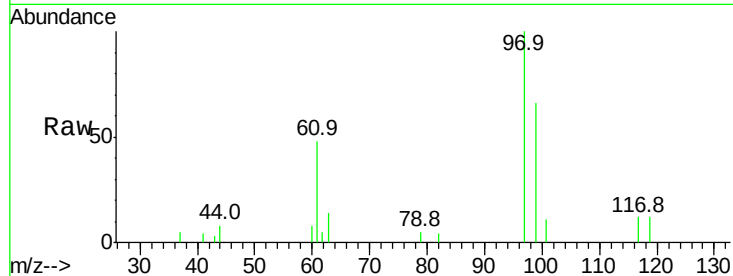




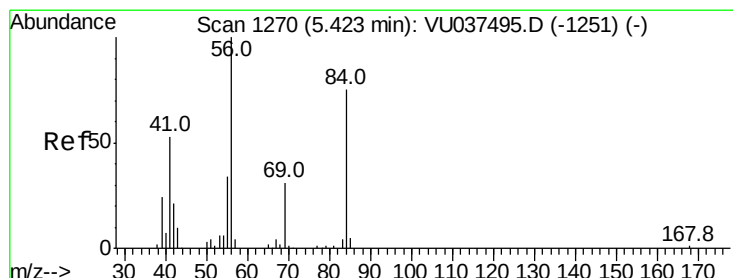
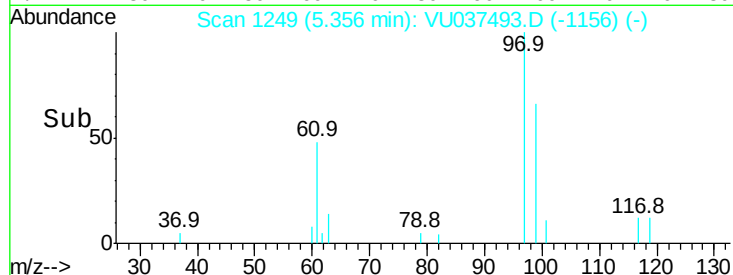
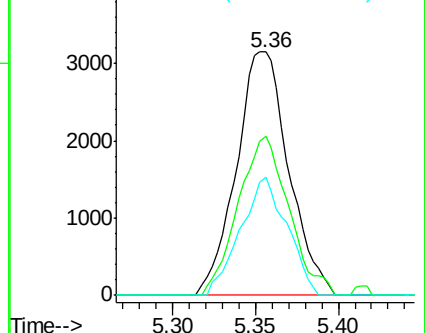
#29
 1,1,1-Trichloroethane
 Concen: 0.547 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion: 97 Resp: 6923
 Ion Ratio Lower Upper
 97 100
 99 63.2 50.9 76.3
 61 42.9 36.5 54.7

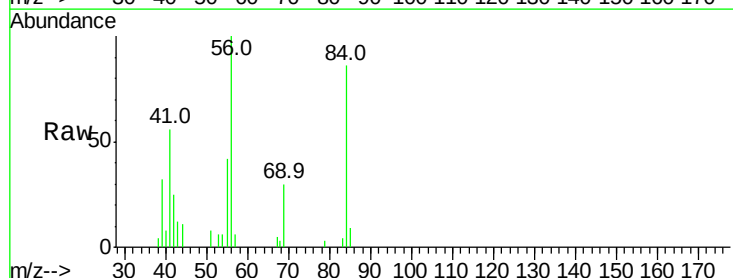


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

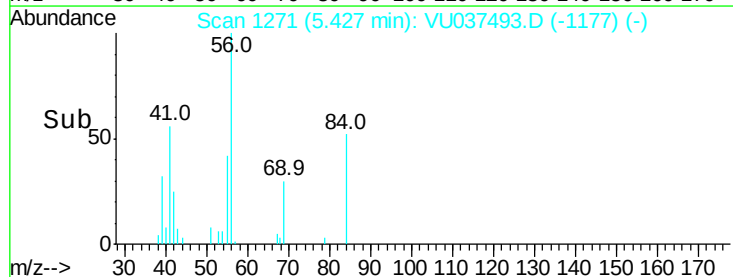
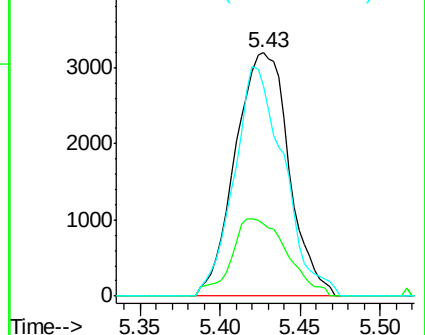


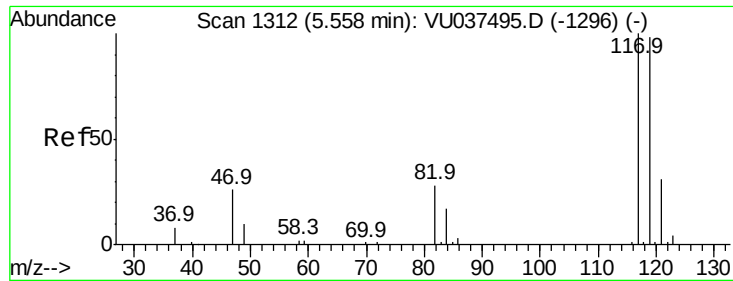
#30
 Cyclohexane
 Concen: 0.566 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

Tgt Ion: 56 Resp: 7344
 Ion Ratio Lower Upper
 56 100
 69 32.8 24.4 36.6
 84 87.2 65.3 97.9



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: 0.525 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

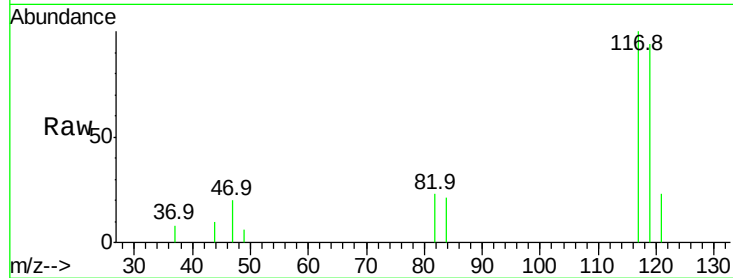
VSTD0.503

Tgt Ion:117 Resp: 5739

Ion Ratio Lower Upper

117 100

119 93.0 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

3000

2500

2000

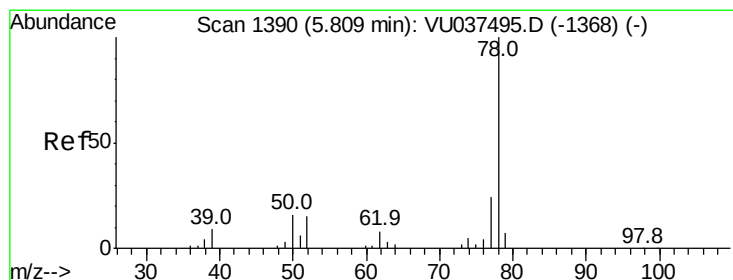
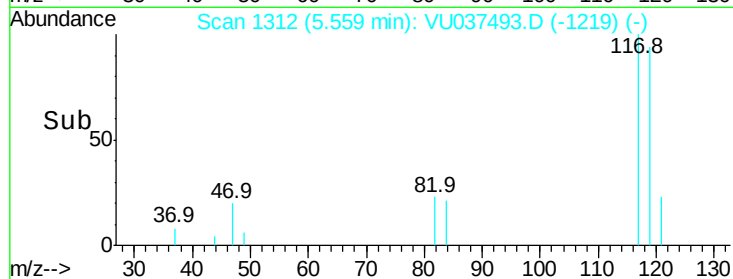
1500

1000

500

0

Time-->



#33

Benzene

Concen: 0.568 ug/L

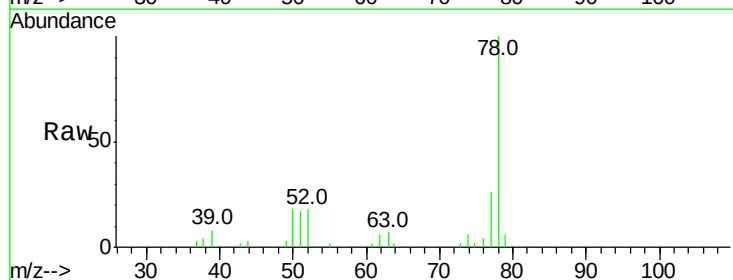
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Tgt Ion: 78 Resp: 16954



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

8000

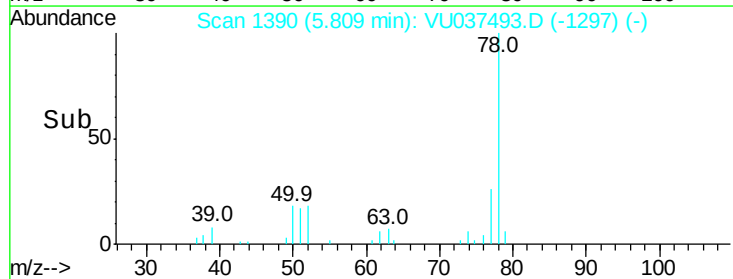
6000

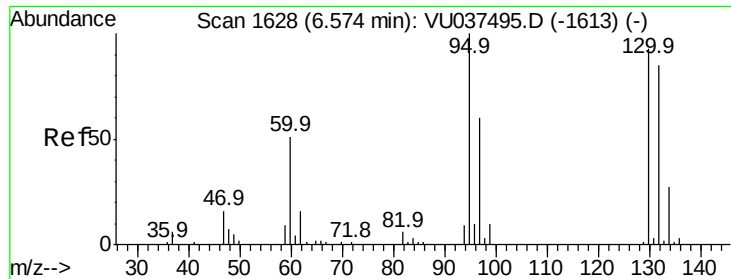
4000

2000

0

Time-->





#34

Trichloroethene

Concen: 0.540 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

Tgt Ion: 95 Resp: 4590

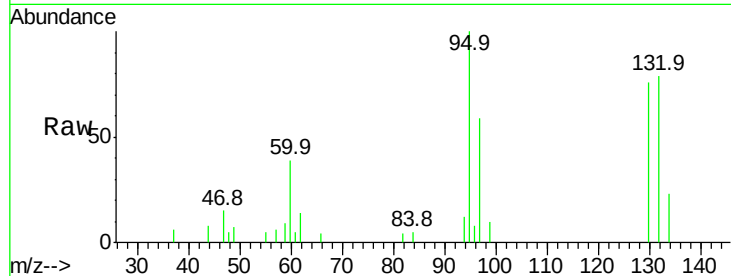
Ion Ratio Lower Upper

95 100

97 58.8 41.8 77.6

132 79.1 59.8 111.0

130 76.2 65.0 120.8

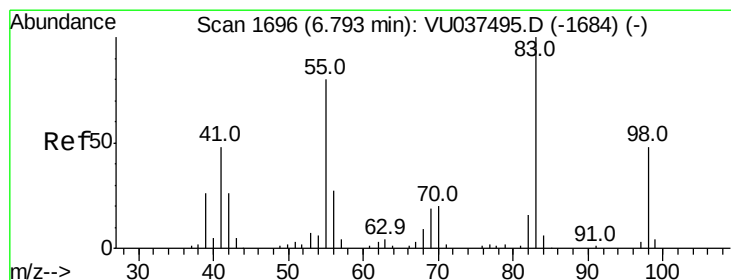
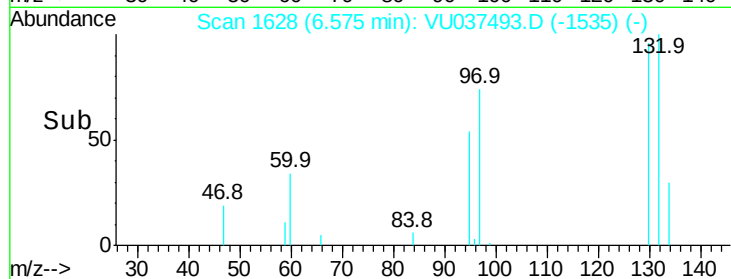
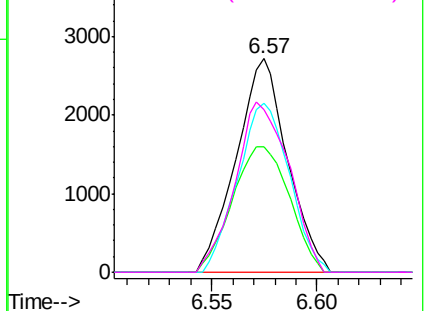


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.533 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

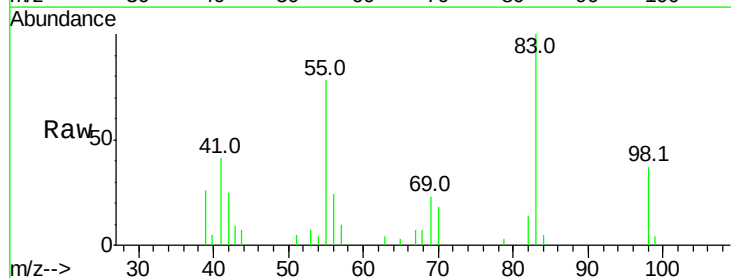
Tgt Ion: 83 Resp: 7173

Ion Ratio Lower Upper

83 100

55 85.9 64.4 96.6

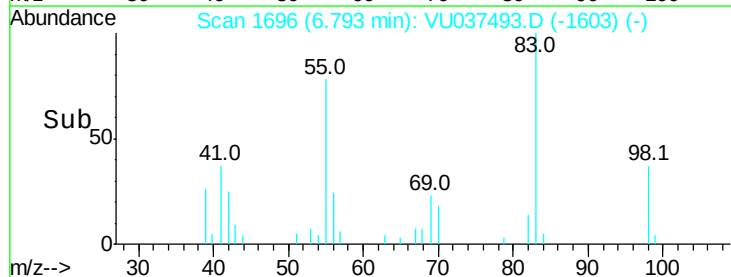
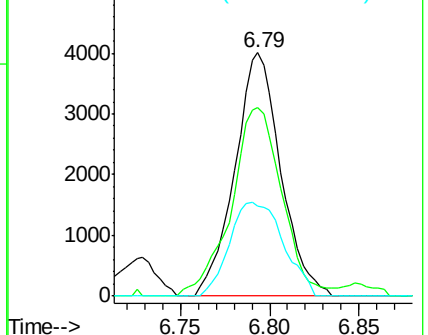
98 45.1 38.2 57.2

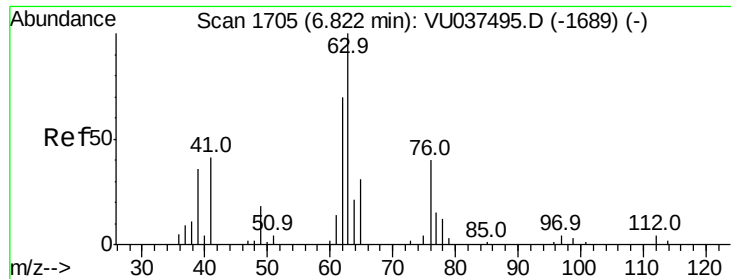


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

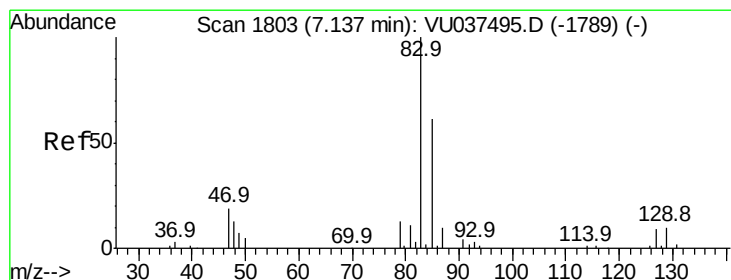
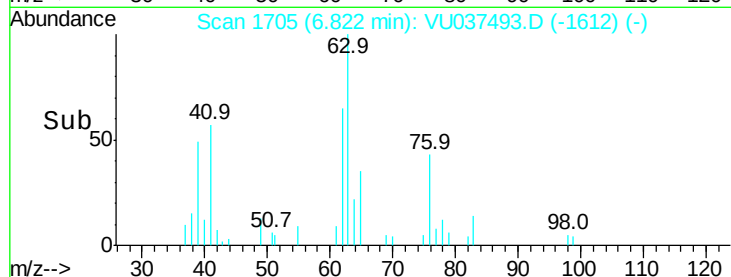
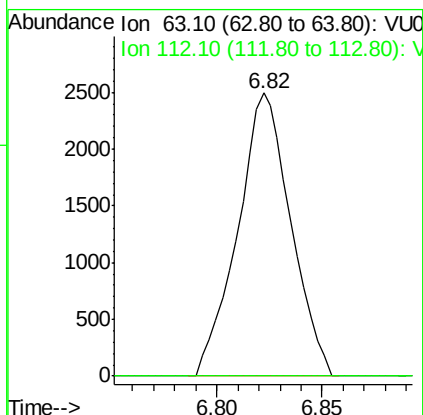
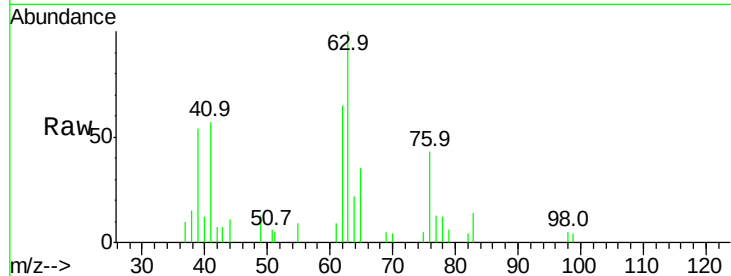




#37
 1,2-Dichloropropane
 Concen: 0.565 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

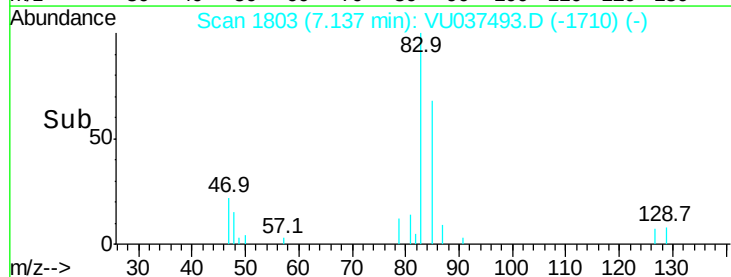
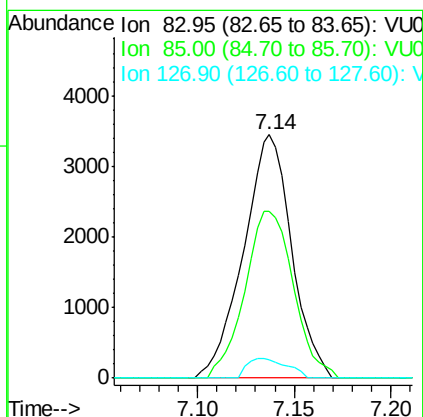
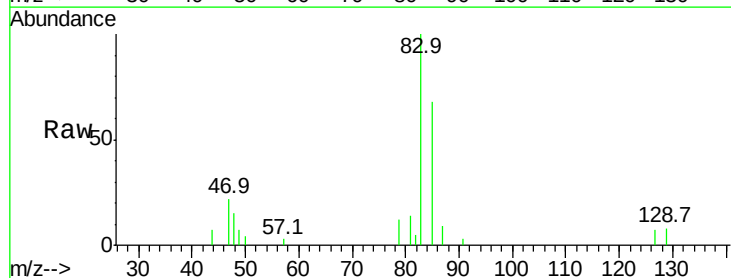
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD0.503

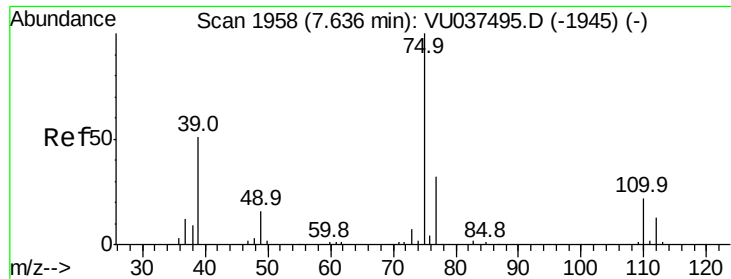
Tgt Ion: 63 Resp: 4356
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.8 4.2#



#38
 Bromodichloromethane
 Concen: 0.565 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

Tgt Ion: 83 Resp: 5958
 Ion Ratio Lower Upper
 83 100
 85 68.4 42.7 79.3
 127 7.4 6.9 10.3

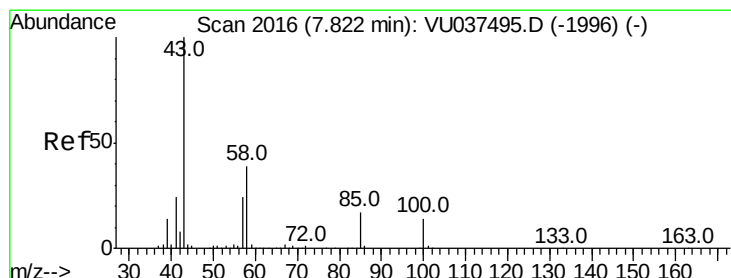
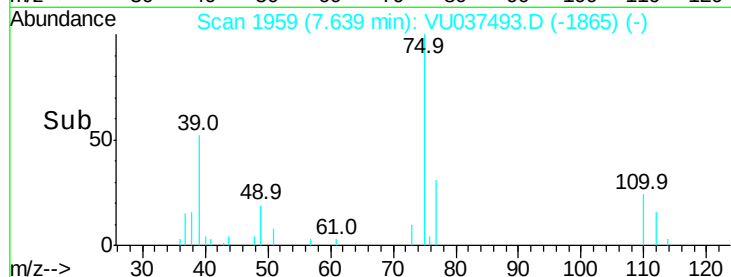
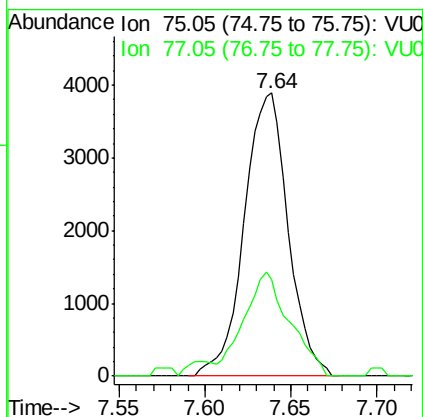
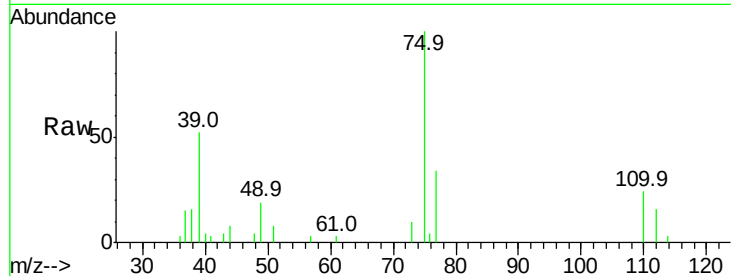




#39
 cis-1,3-Dichloropropene
 Concen: 0.547 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

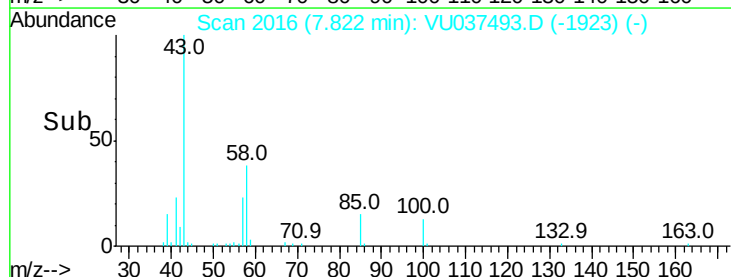
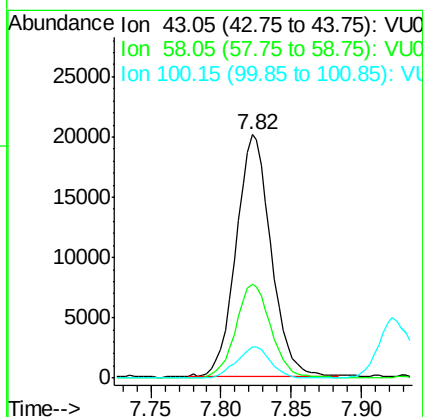
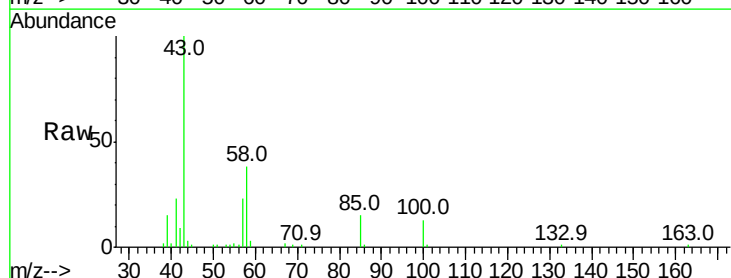
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

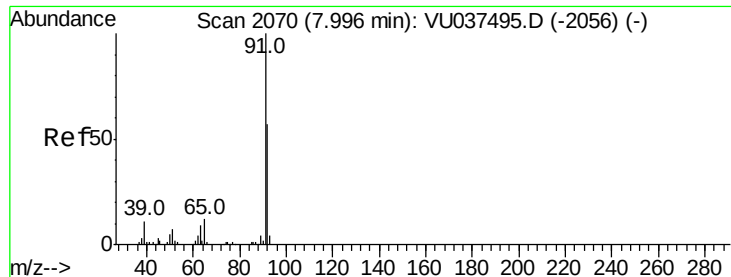
Tgt Ion: 75 Resp: 6878
 Ion Ratio Lower Upper
 75 100
 77 33.9 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 6.806 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

Tgt Ion: 43 Resp: 34939
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.2 46.8
 100 12.4 10.9 16.3





#42

Toluene

Concen: 0.541 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

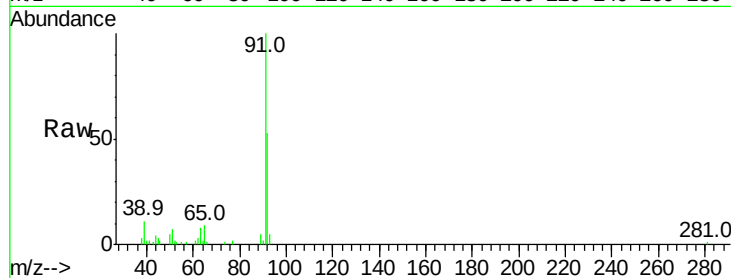
VSTD0.503

Tgt Ion: 91 Resp: 17395

Ion Ratio Lower Upper

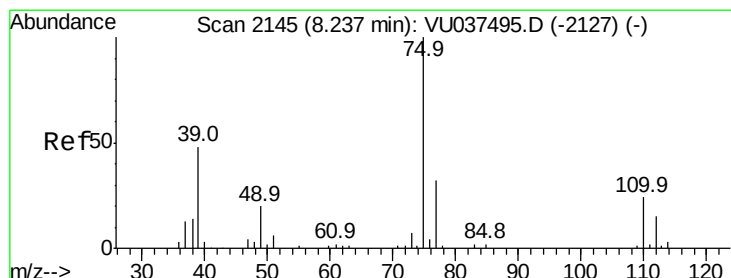
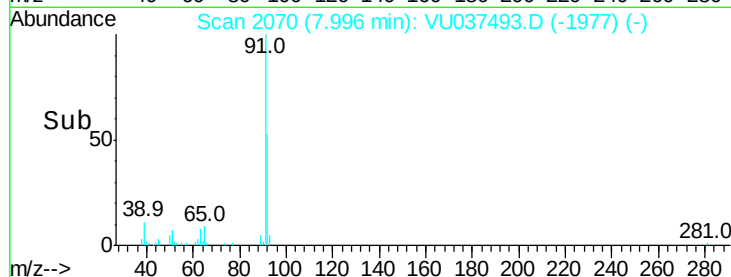
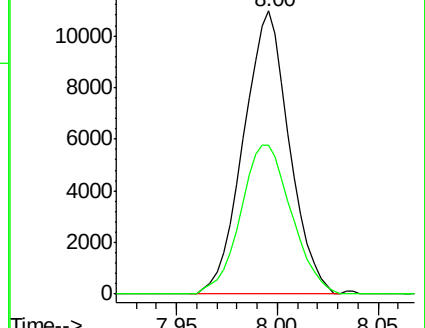
91 100

92 52.8 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU037493.D (-1977) (-)

Ion 92.15 (91.85 to 92.85): VU037493.D (-1977) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.542 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037493.D

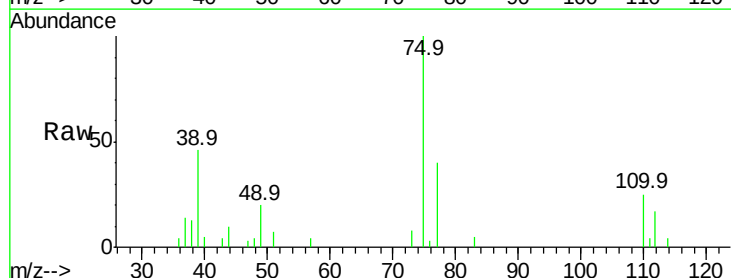
Acq: 31 Mar 2020 11:24

Tgt Ion: 75 Resp: 6095

Ion Ratio Lower Upper

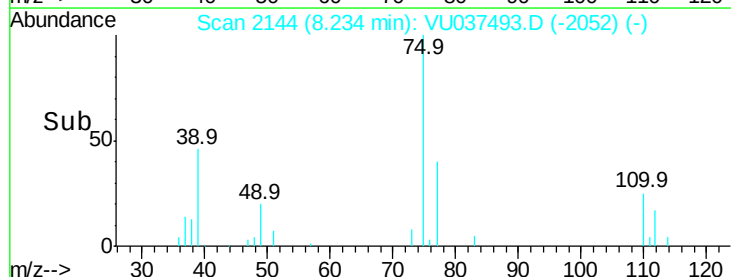
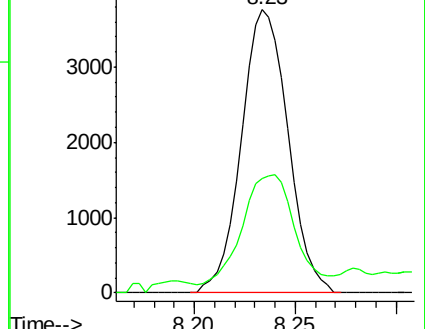
75 100

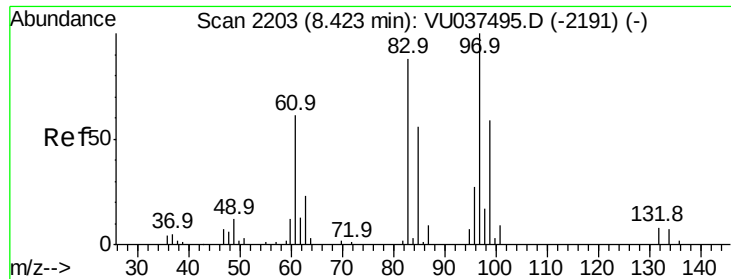
77 40.3 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU037493.D (-2052) (-)

Ion 77.05 (76.75 to 77.75): VU037493.D (-2052) (-)

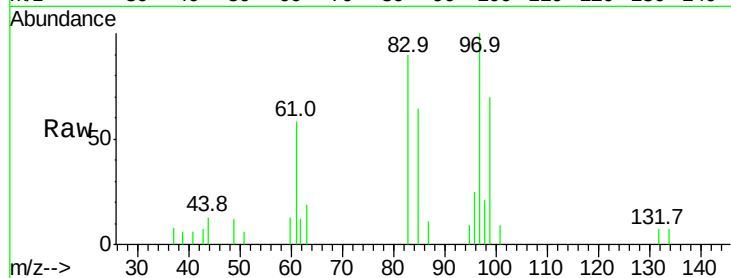




#45
 1,1,2-Trichloroethane
 Concen: 0.564 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion:	97	Resp:	3255
Ion	Ratio	Lower	Upper
97	100		
99	70.4	41.6	77.2
83	89.9	61.5	114.1
85	64.3	39.3	73.1

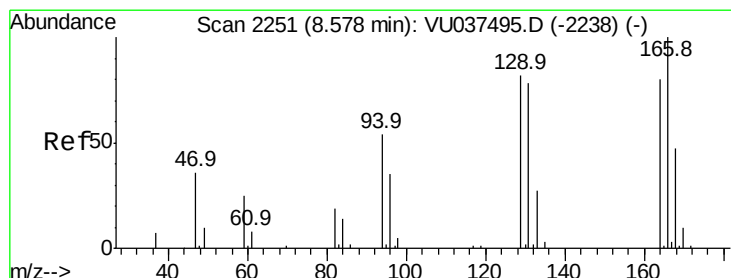
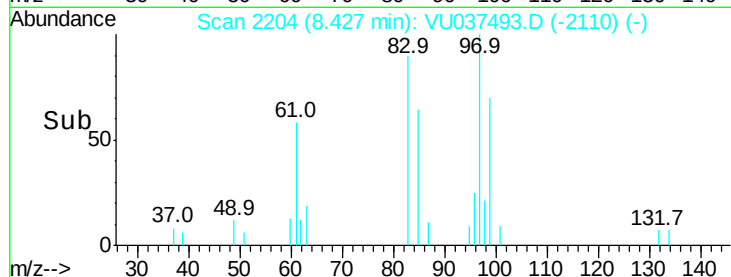
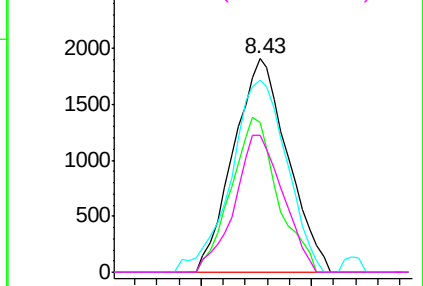


Abundance Ion 96.95 (96.65 to 97.65): VU037493.D (-2191) (-)

Ion 99.05 (98.75 to 99.75): VU037493.D (-2191) (-)

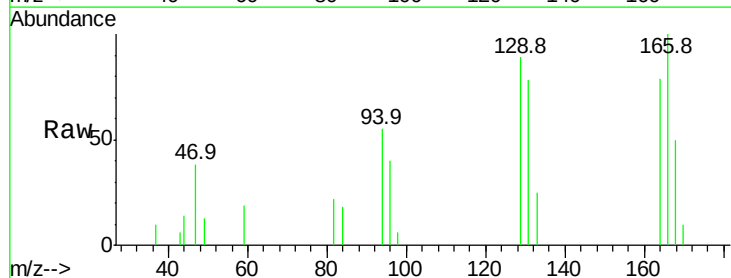
Ion 82.95 (82.65 to 83.65): VU037493.D (-2191) (-)

Ion 85.00 (84.70 to 85.70): VU037493.D (-2191) (-)



#47
 Tetrachloroethene
 Concen: 0.505 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

Tgt Ion:	164	Resp:	2954
Ion	Ratio	Lower	Upper
164	100		
129	112.4	71.3	132.3
131	98.8	67.9	126.1
166	126.2	87.0	161.6

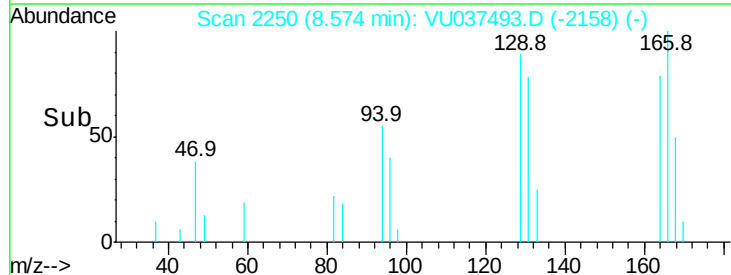
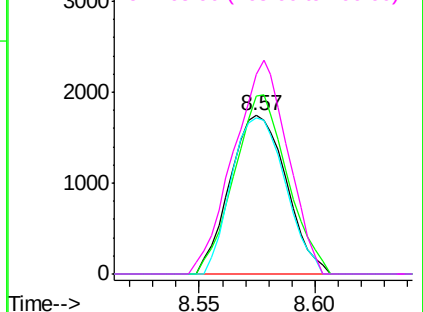


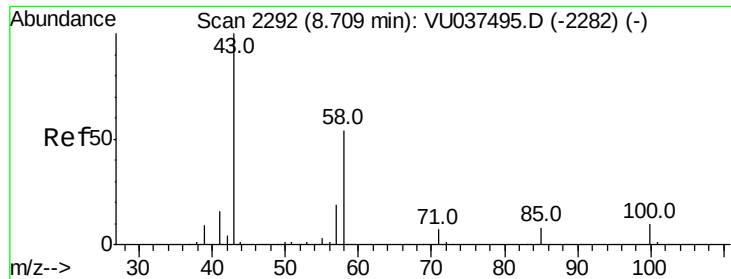
Abundance Ion 163.90 (163.60 to 164.60): VU037493.D (-2238) (-)

Ion 128.95 (128.65 to 129.65): VU037493.D (-2238) (-)

Ion 130.95 (130.65 to 131.65): VU037493.D (-2238) (-)

Ion 165.90 (165.60 to 166.60): VU037493.D (-2238) (-)

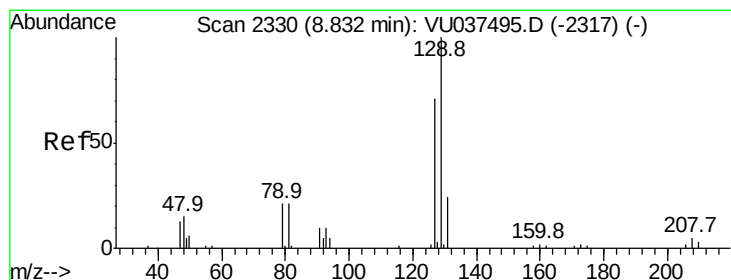
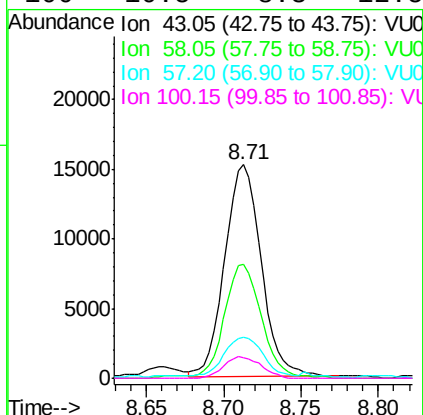
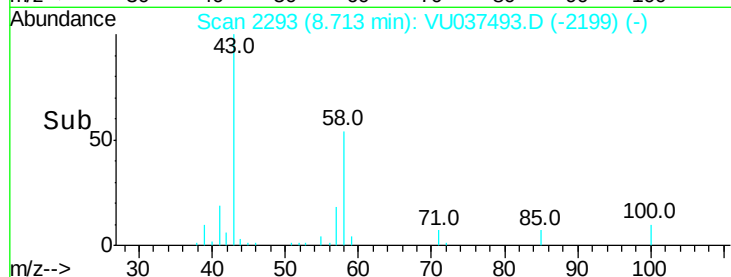
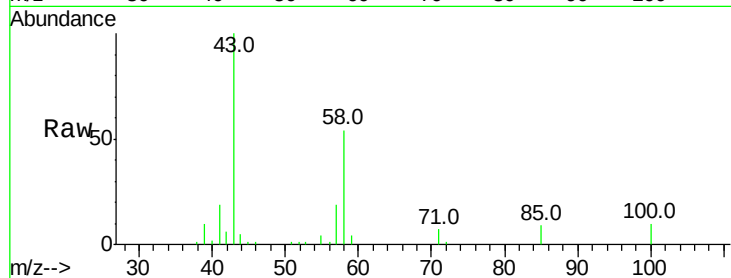




#48
2-Hexanone
Concen: 6.740 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VU037493.D
Acq: 31 Mar 2020 11:24

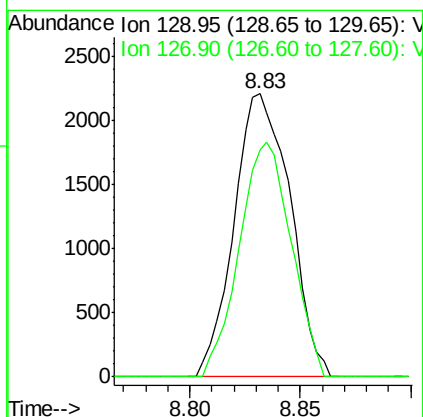
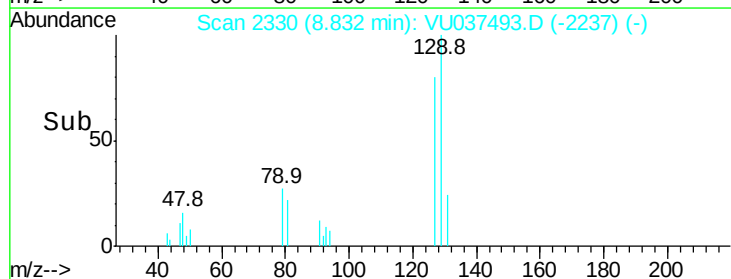
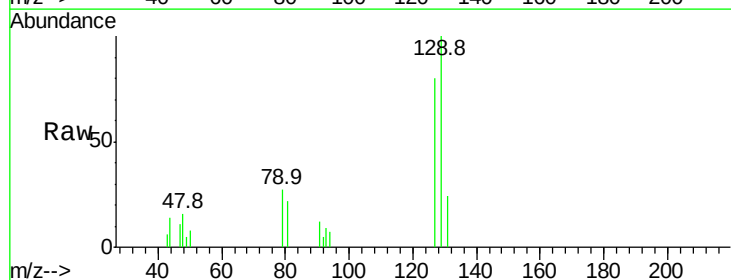
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

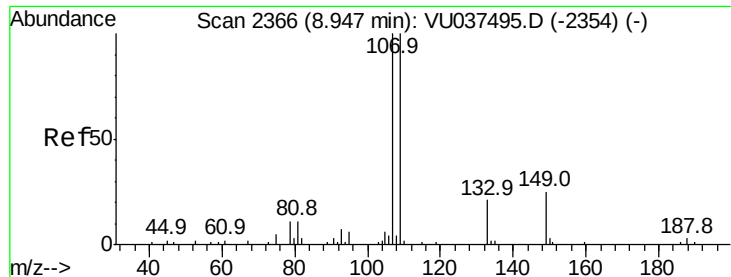
Tgt Ion: 43 Resp: 24941
Ion Ratio Lower Upper
43 100
58 54.5 43.4 65.0
57 19.7 14.9 22.3
100 10.5 8.3 12.5



#49
Dibromochloromethane
Concen: 0.544 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037493.D
Acq: 31 Mar 2020 11:24

Tgt Ion: 129 Resp: 3872
Ion Ratio Lower Upper
129 100
127 80.1 49.4 91.8

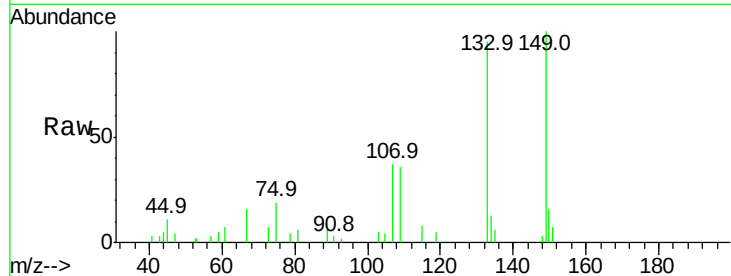




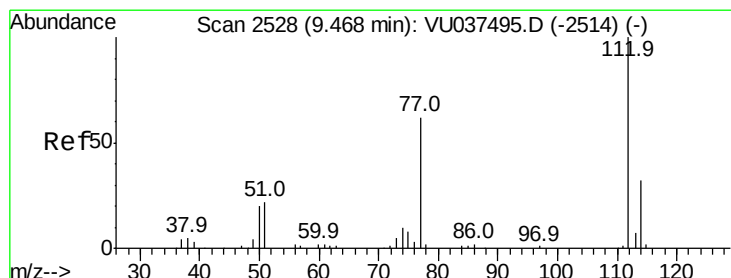
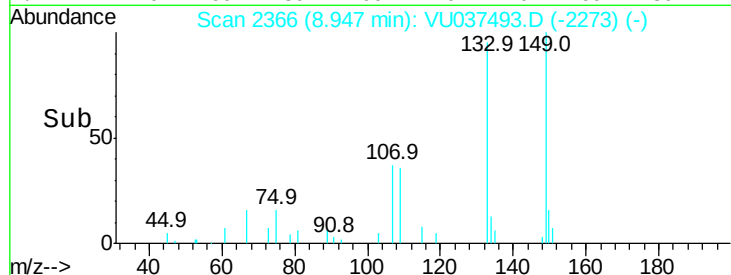
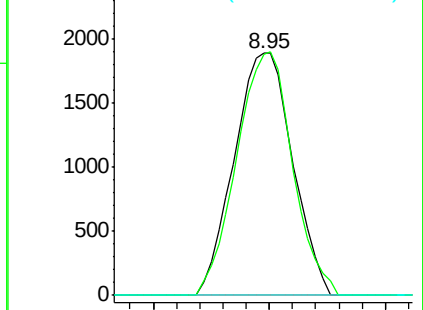
#50
 1,2-Dibromoethane
 Concen: 0.589 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion:107 Resp: 3298
 Ion Ratio Lower Upper
 107 100
 109 99.5 70.1 130.3
 188 0.0 2.2 3.4#

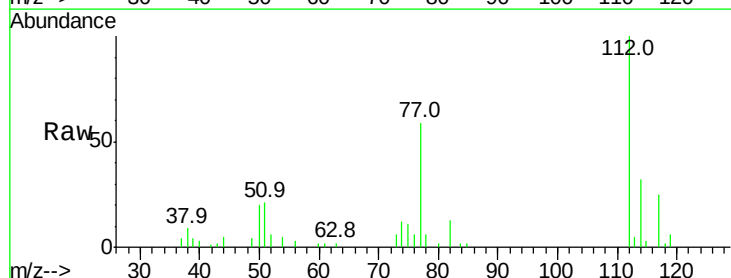


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

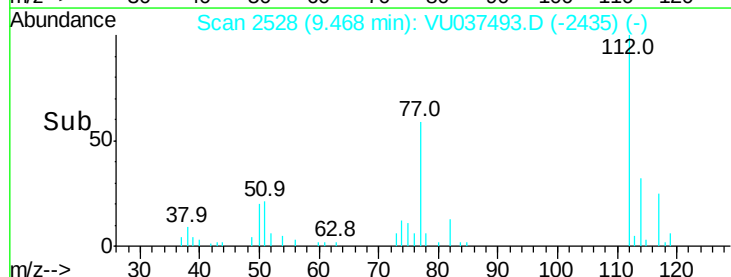
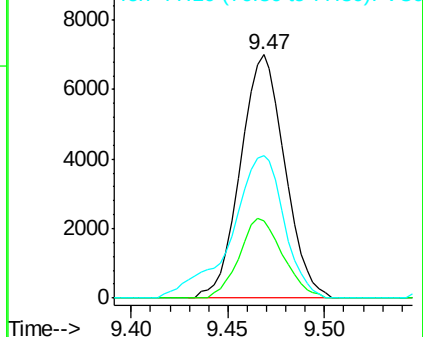


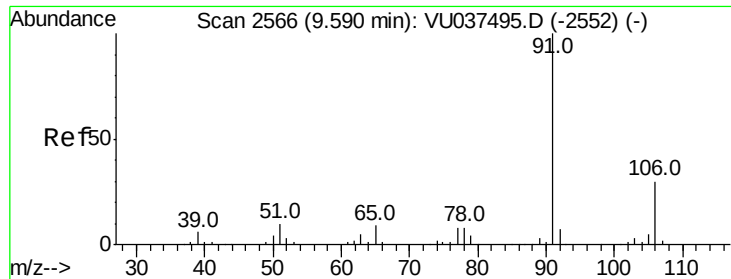
#51
 Chlorobenzene
 Concen: 0.502 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

Tgt Ion:112 Resp: 11159
 Ion Ratio Lower Upper
 112 100
 114 31.7 22.4 41.6
 77 58.7 50.4 75.6



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): V





#52

Ethylbenzene

Concen: 0.571 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

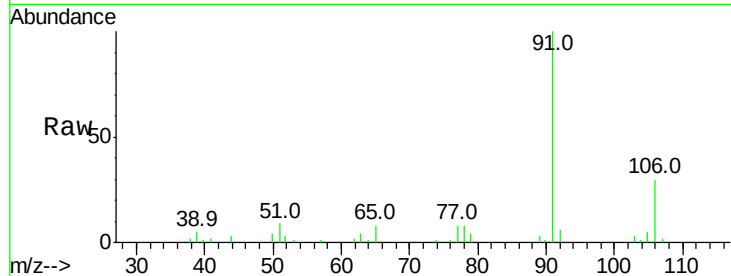
VSTD0.503

Tgt Ion: 91 Resp: 21059

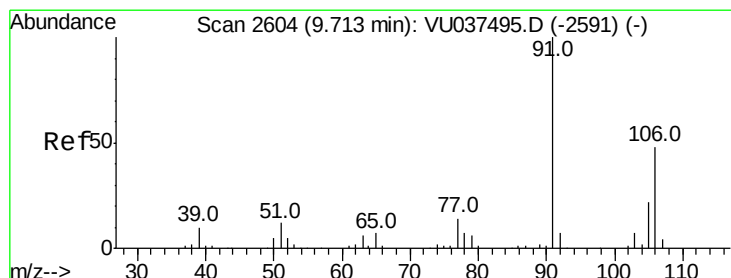
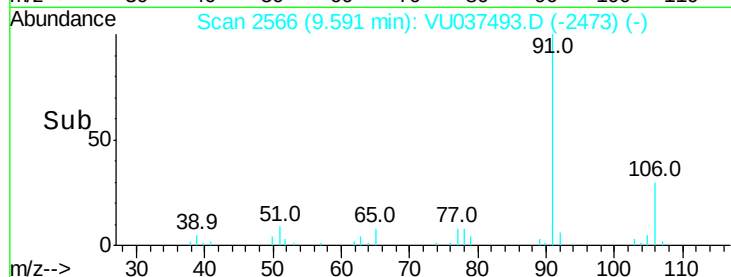
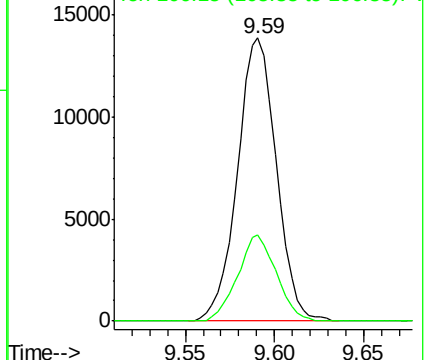
Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU037493.D (-2552) (-)



#53

m,p-Xylene

Concen: 0.579 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037493.D

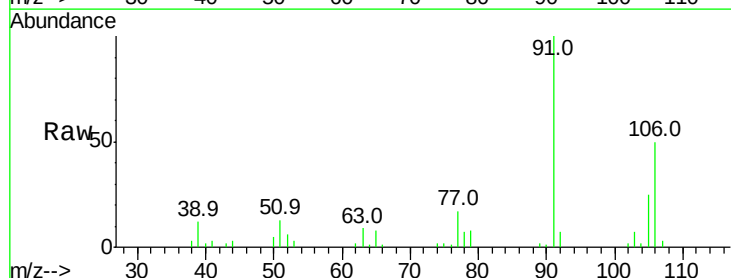
Acq: 31 Mar 2020 11:24

Tgt Ion: 106 Resp: 8073

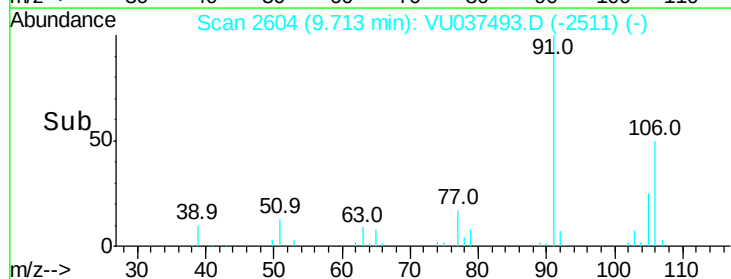
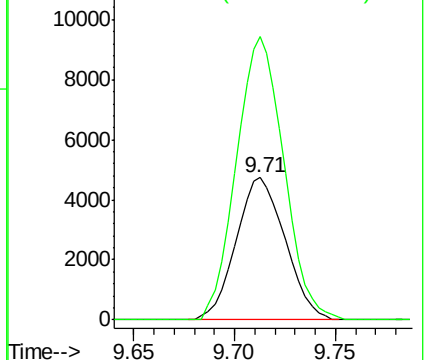
Ion Ratio Lower Upper

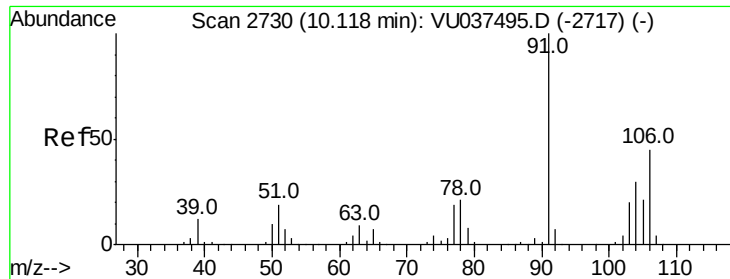
106 100

91 199.3 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): VU037493.D (-2591) (-)

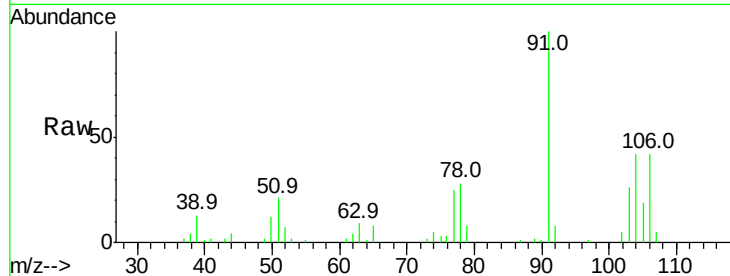




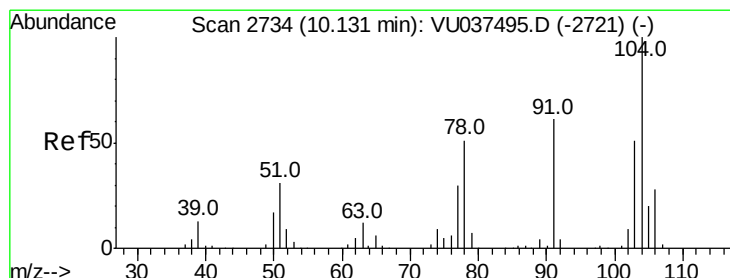
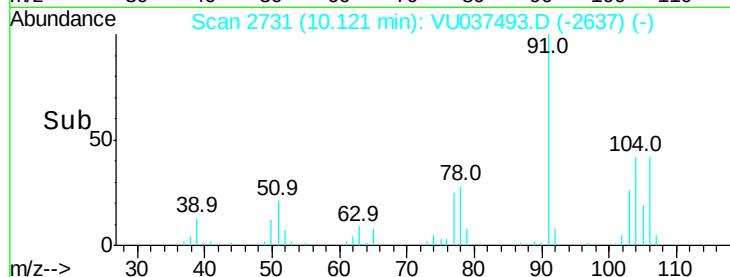
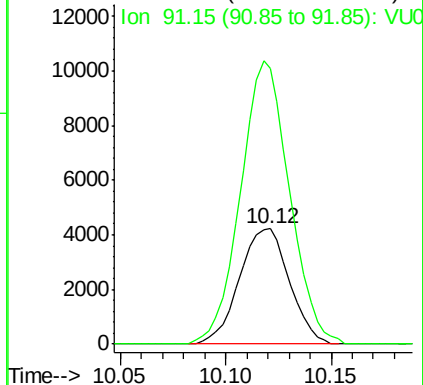
#54
o-Xylene
Concen: 0.512 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037493.D
Acq: 31 Mar 2020 11:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tgt Ion:106 Resp: 6969
Ion Ratio Lower Upper
106 100
91 238.5 155.6 289.0

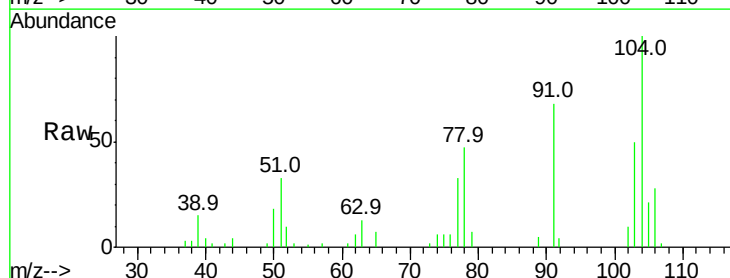


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

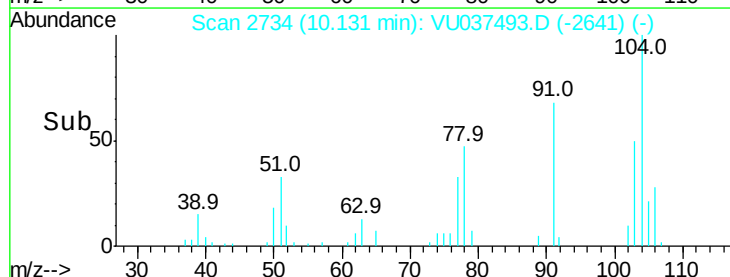
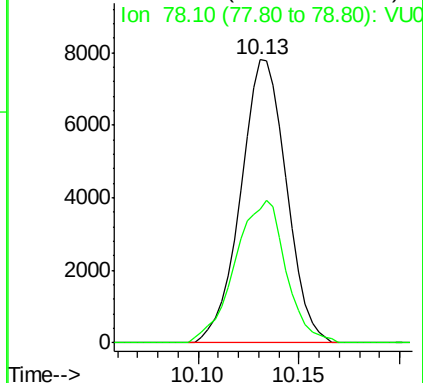


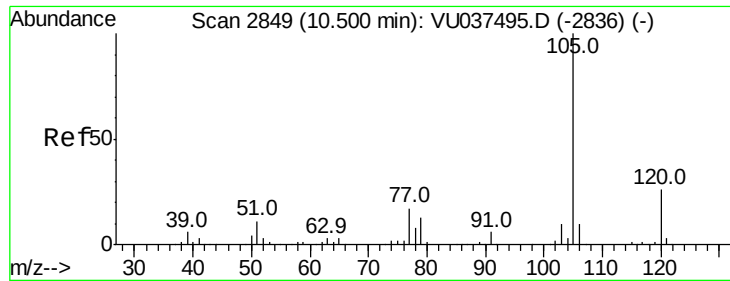
#55
Styrene
Concen: 0.535 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037493.D
Acq: 31 Mar 2020 11:24

Tgt Ion:104 Resp: 12430
Ion Ratio Lower Upper
104 100
78 47.2 35.7 66.3



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





#56

Isopropylbenzene

Concen: 0.525 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

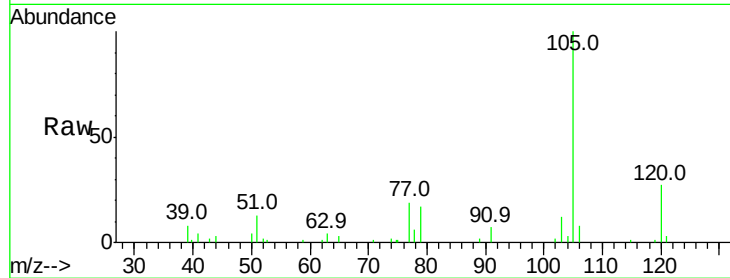
Tgt Ion:105 Resp: 19032

Ion Ratio Lower Upper

105 100

120 26.4 20.5 30.7

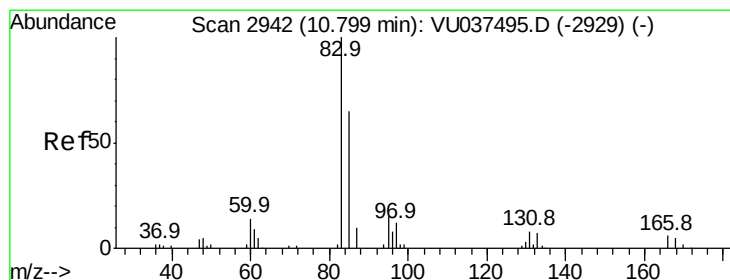
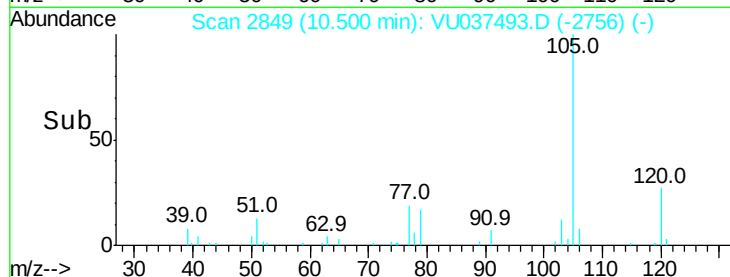
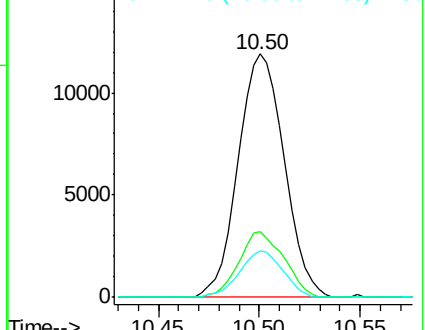
77 18.0 13.6 20.4



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: 0.567 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

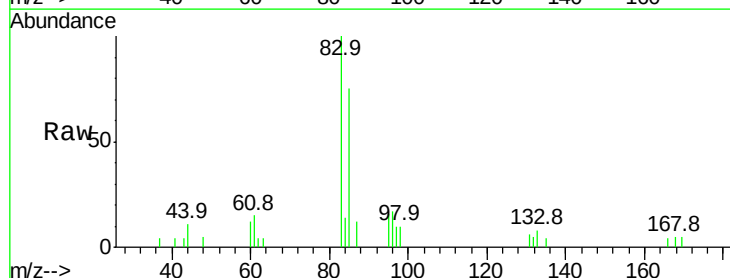
Tgt Ion: 83 Resp: 4177

Ion Ratio Lower Upper

83 100

85 74.9 45.9 85.3

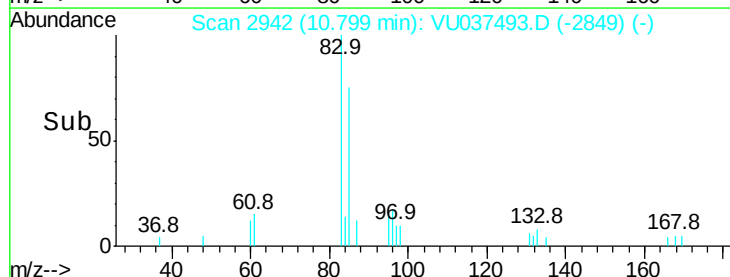
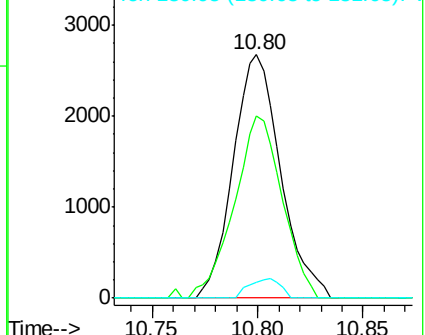
131 6.5 6.5 9.7#

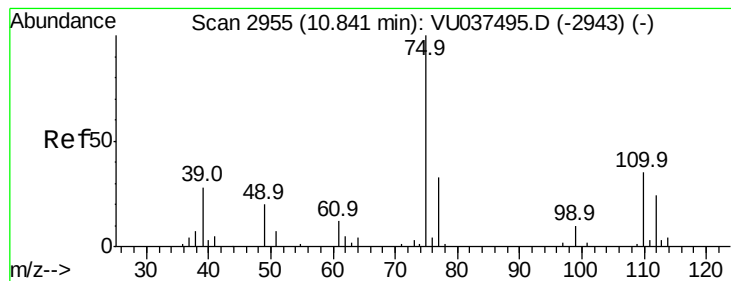


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.571 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

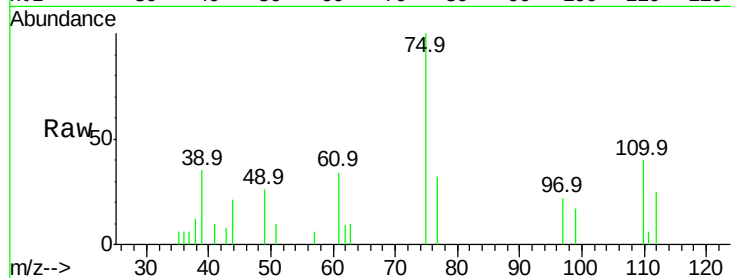
VSTD0.503

Tgt Ion: 75 Resp: 3061

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU037495.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU037495.D (-2943) (-)

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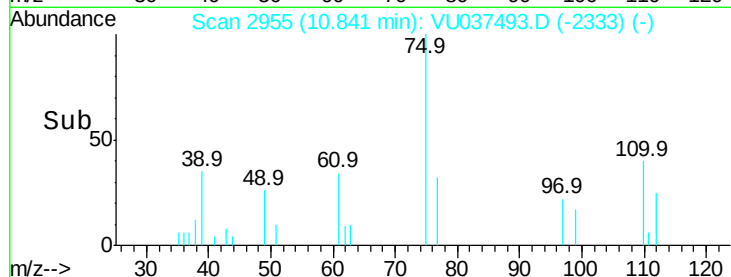
10.84

10.84

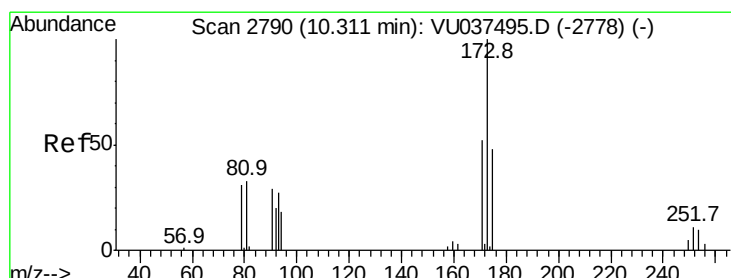
10.84

10.84

10.84



Time-->



#61

Bromoform

Concen: 0.590 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

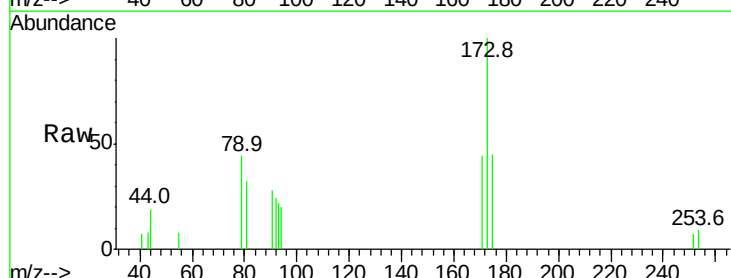
Tgt Ion: 173 Resp: 2325

Ion Ratio Lower Upper

173 100

175 45.4 40.0 60.0

254 5.9 8.4 12.6#



Abundance Ion 172.90 (172.60 to 173.60): VU037495.D (-2778) (-)

Ion 174.90 (174.60 to 175.60): VU037495.D (-2778) (-)

Ion 253.75 (253.45 to 254.45): VU037495.D (-2778) (-)

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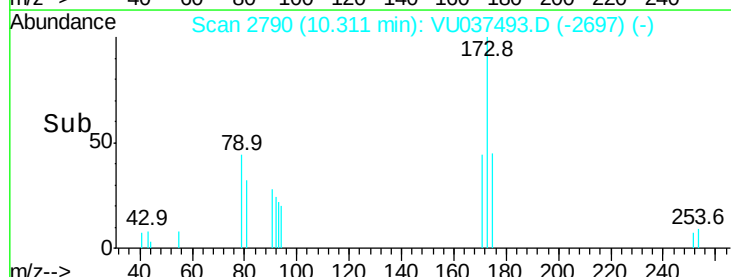
10.31

10.31

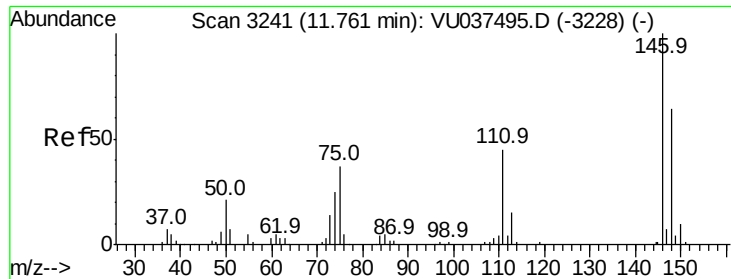
10.31

10.31

10.31



Time-->



#62

1,3-Dichlorobenzene

Concen: 0.574 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

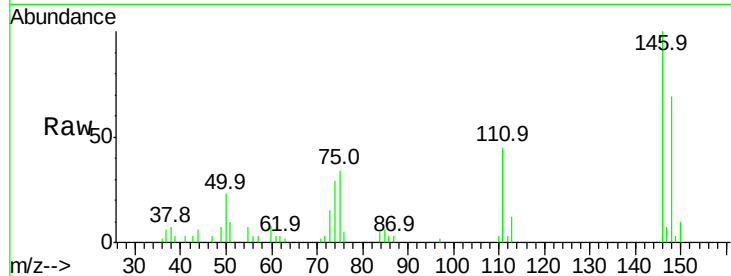
Tgt Ion:146 Resp: 8749

Ion Ratio Lower Upper

146 100

111 44.7 31.4 58.2

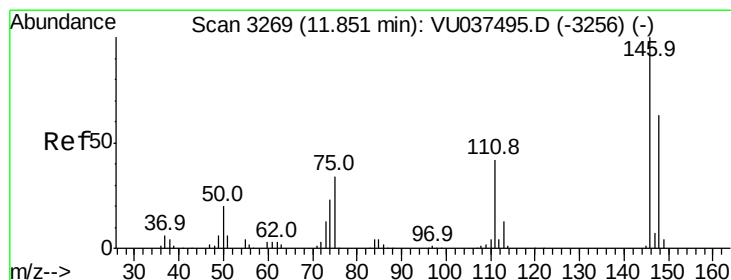
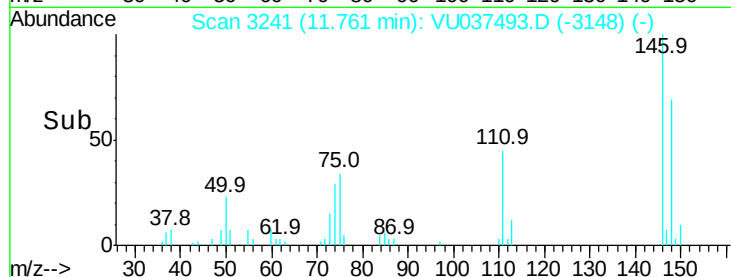
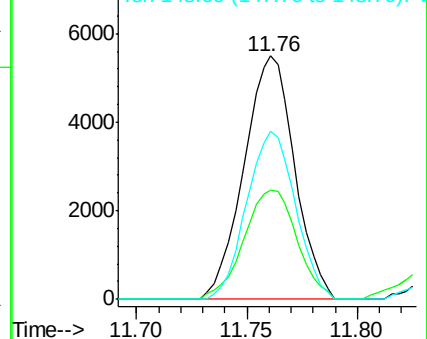
148 69.1 44.9 83.5



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



#63

1,4-Dichlorobenzene

Concen: 0.549 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

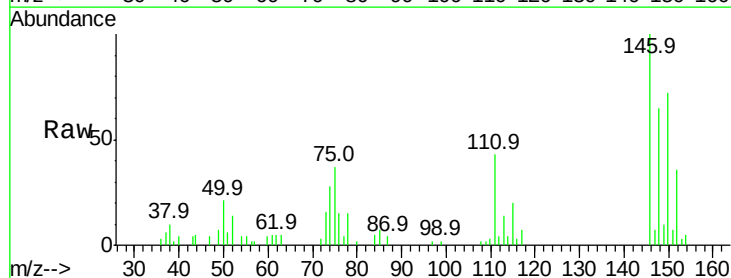
Tgt Ion:146 Resp: 8926

Ion Ratio Lower Upper

146 100

111 42.8 29.7 55.1

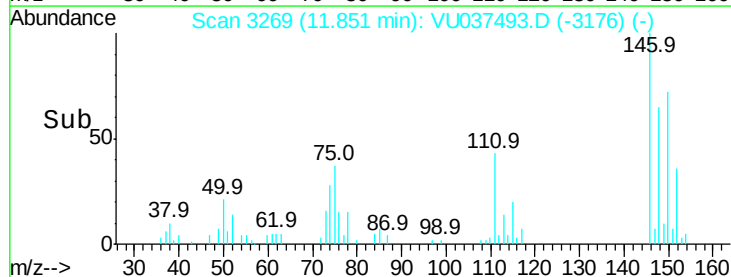
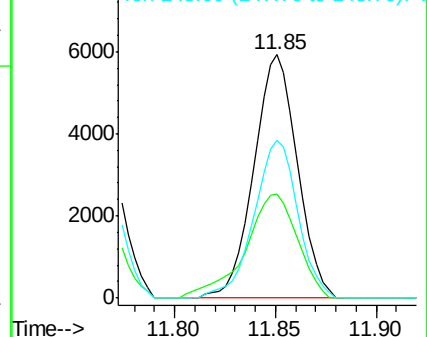
148 64.9 44.4 82.4

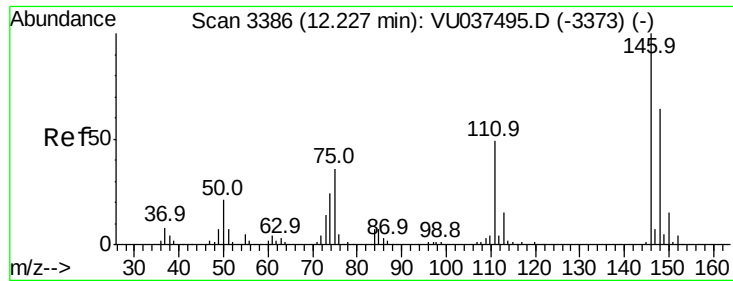


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

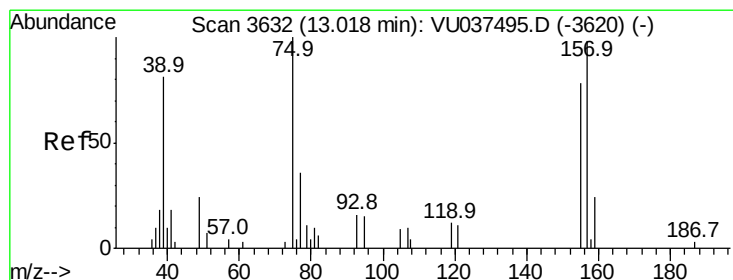
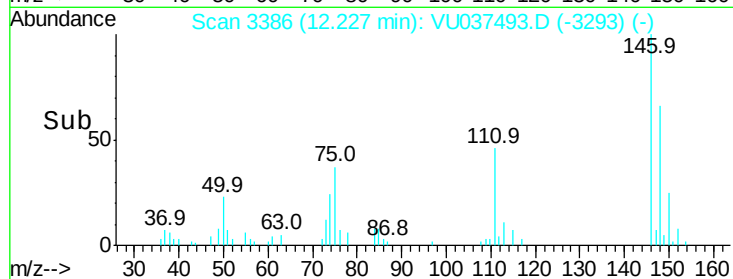
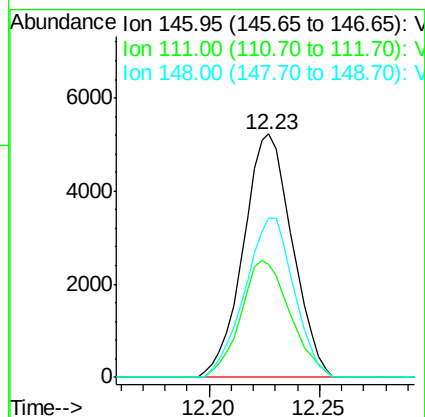
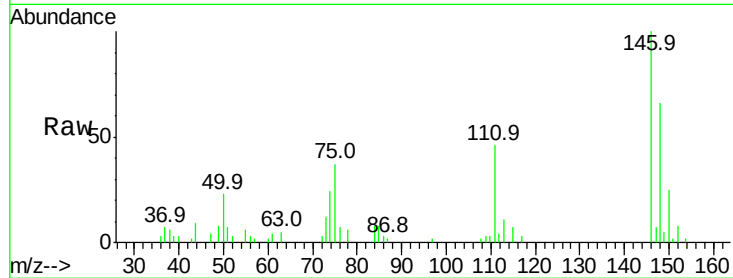




#65
 1,2-Dichlorobenzene
 Concen: 0.546 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

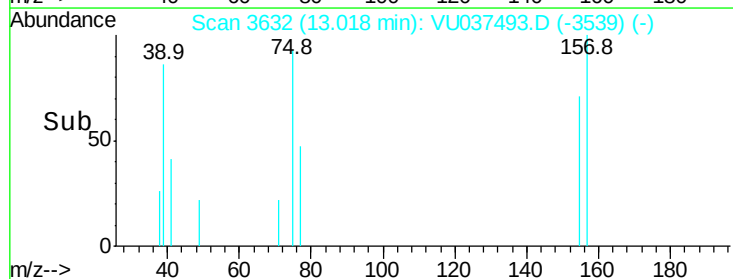
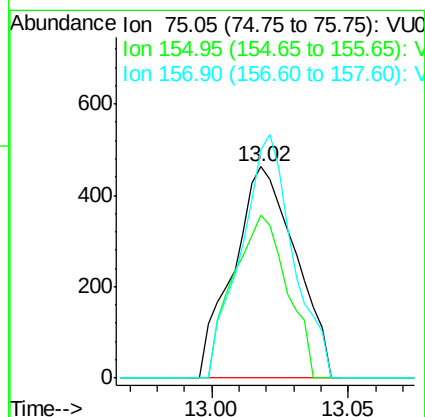
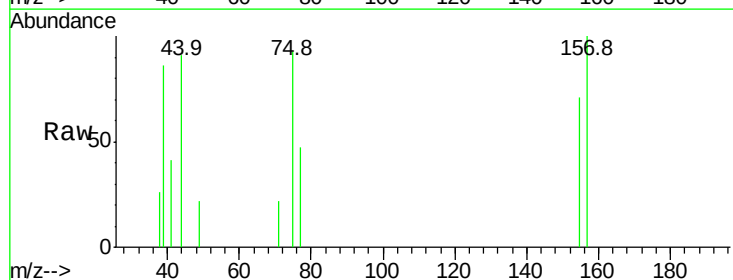
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

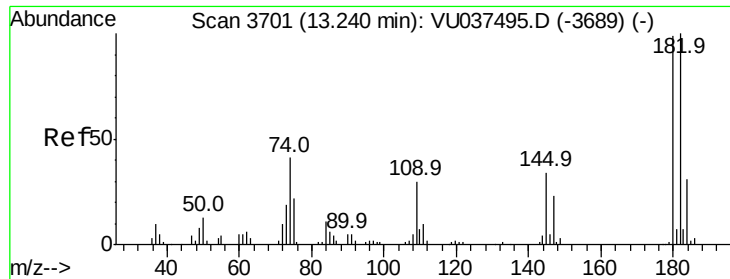
Tgt Ion:146 Resp: 8030
 Ion Ratio Lower Upper
 146 100
 111 46.4 38.9 58.3
 148 65.6 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.570 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

Tgt Ion: 75 Resp: 737
 Ion Ratio Lower Upper
 75 100
 155 77.1 62.4 93.6
 157 108.0 78.7 118.1

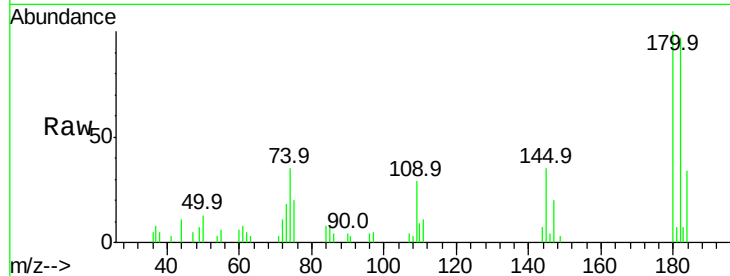




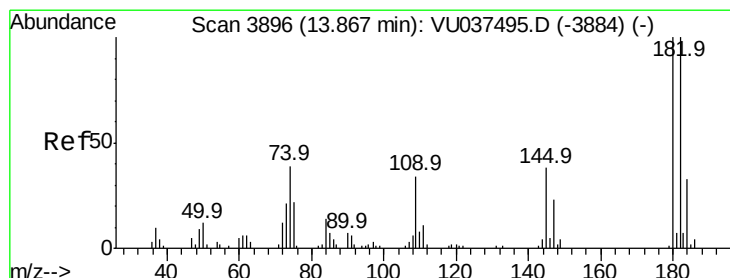
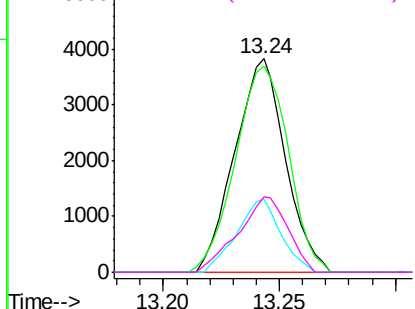
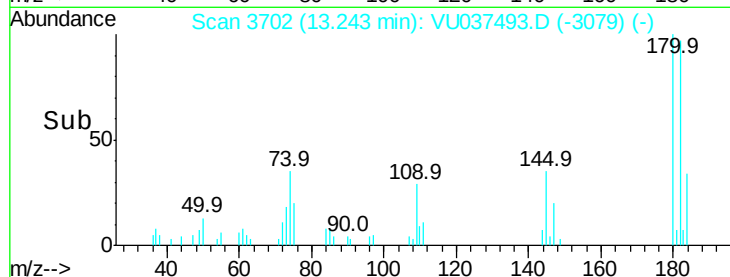
#67
 1,3,5-Trichlorobenzene
 Concen: 0.490 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion:180 Resp: 5787
 Ion Ratio Lower Upper
 180 100
 182 101.3 77.3 115.9
 184 29.9 25.0 37.4
 145 34.6 27.0 40.6

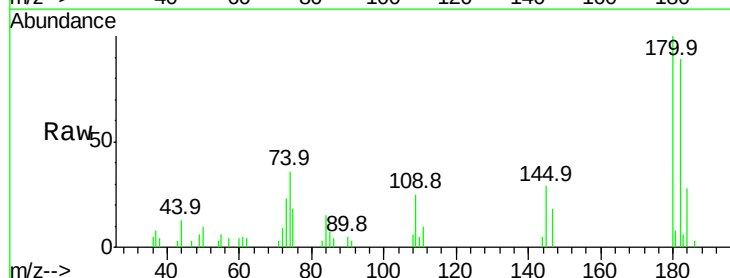


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

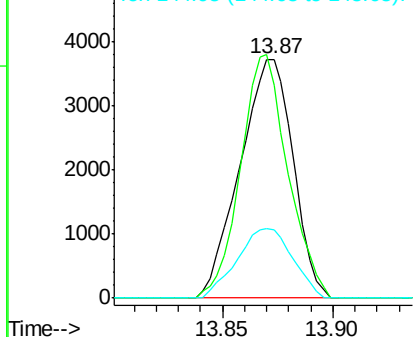
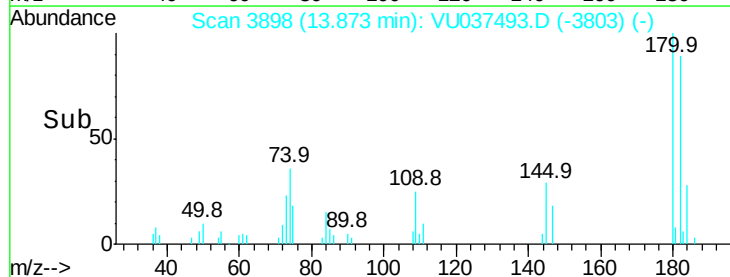


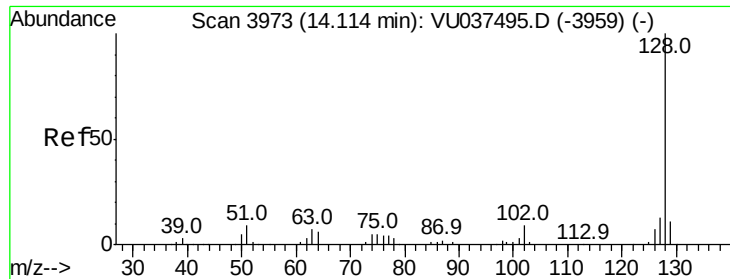
#68
 1,2,4-trichlorobenzene
 Concen: 0.545 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU037493.D
 Acq: 31 Mar 2020 11:24

Tgt Ion:180 Resp: 6206
 Ion Ratio Lower Upper
 180 100
 182 91.2 80.4 120.6
 145 30.5 28.6 43.0



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: 0.627 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

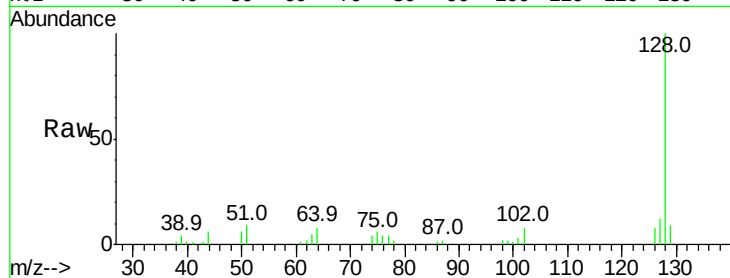
Tgt Ion:128 Resp: 13856

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

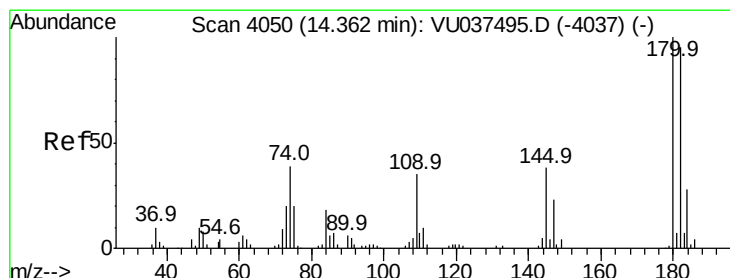
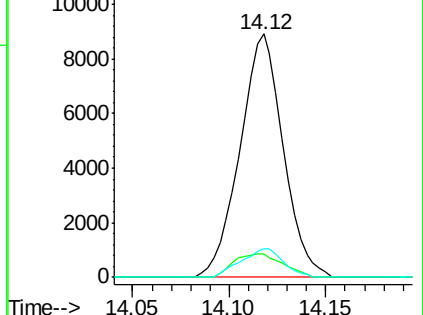
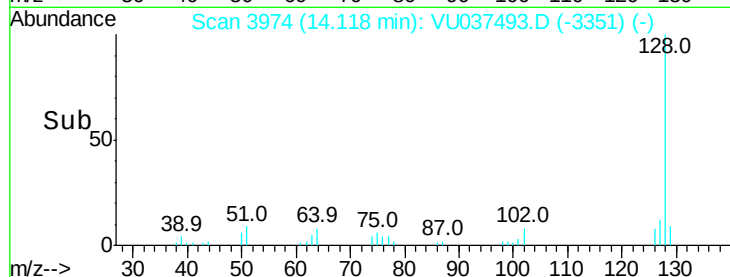
127 11.5 10.2 15.2



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: 0.493 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.00 min

Lab File: VU037493.D

Acq: 31 Mar 2020 11:24

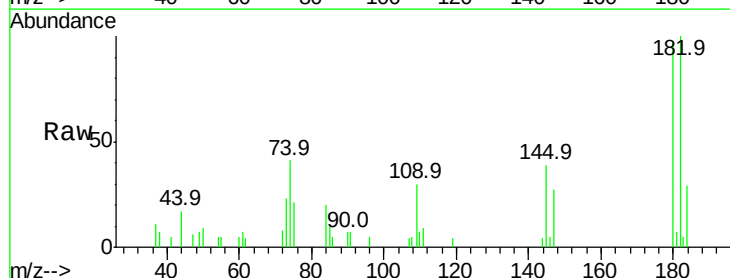
Tgt Ion:180 Resp: 5052

Ion Ratio Lower Upper

180 100

182 98.9 74.7 112.1

145 36.6 30.0 45.0



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

