

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
 Data File : VU037561.D
 Acq On : 03 Apr 2020 10:32
 Operator : JC/MD
 Sample : VSTD05032
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Quant Time: Apr 04 02:53:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 04 02:49:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	184113	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	174434	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	81753	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	72125	48.23	ug/L	0.00
7) Chloroethane-d5	1.93	69	55044	45.82	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	121136	48.19	ug/L	0.00
21) 2-Butanone-d5	4.66	46	108883	96.88	ug/L	0.00
24) Chloroform-d	5.11	84	121118	48.08	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	76186	45.55	ug/L	0.00
32) Benzene-d6	5.76	84	242670	48.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	81337	47.81	ug/L	0.00
41) Toluene-d8	7.92	98	222119	47.16	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	42881	46.42	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	83984	93.17	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	114192	46.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	77984	46.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	55969	47.022 ug/L	100
3) Chloromethane	1.54	50	59692	47.278 ug/L	100
5) Vinyl chloride	1.62	62	60221	48.033 ug/L	100
6) Bromomethane	1.87	94	28913	46.759 ug/L	100
8) Chloroethane	1.95	64	35340	47.794 ug/L	100
9) Trichlorofluoromethane	2.16	101	86052	48.378 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	48873	48.172 ug/L	100
12) 1,1-Dichloroethene	2.61	96	48632	49.380 ug/L	100
13) Acetone	2.65	43	61319	94.391 ug/L	100
14) Carbon disulfide	2.82	76	135609	47.668 ug/L	100
15) Methyl Acetate	2.98	43	69083	46.928 ug/L	100
16) Methylene chloride	3.08	84	57415	48.062 ug/L	100
17) trans-1,2-Dichloroethene	3.39	96	50687	47.795 ug/L	100
18) Methyl tert-butyl Ether	3.40	73	180437	48.538 ug/L	100
19) 1,1-Dichloroethane	3.91	63	101012	48.615 ug/L	100
20) cis-1,2-Dichloroethene	4.71	96	58424	47.839 ug/L	100
22) 2-Butanone	4.74	43	101337	95.573 ug/L	100
23) Bromochloromethane	5.01	128	28322	48.317 ug/L	100
25) Chloroform	5.13	83	104075	48.042 ug/L	100
27) 1,2-Dichloroethane	5.83	62	81693	48.862 ug/L	100
29) Cyclohexane	5.42	56	89919	49.188 ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	90861	49.140 ug/L	100
31) Carbon tetrachloride	5.56	117	72393	47.570 ug/L	100
33) Benzene	5.81	78	220683	48.284 ug/L	100
34) Trichloroethene	6.57	95	56894	47.606 ug/L	100
35) Methylcyclohexane	6.79	83	90214	48.856 ug/L	100
37) 1,2-Dichloropropane	6.82	63	62642	48.103 ug/L	100
38) Bromodichloromethane	7.13	83	81832	48.314 ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	97453	47.912 ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	204140	96.602 ug/L	100

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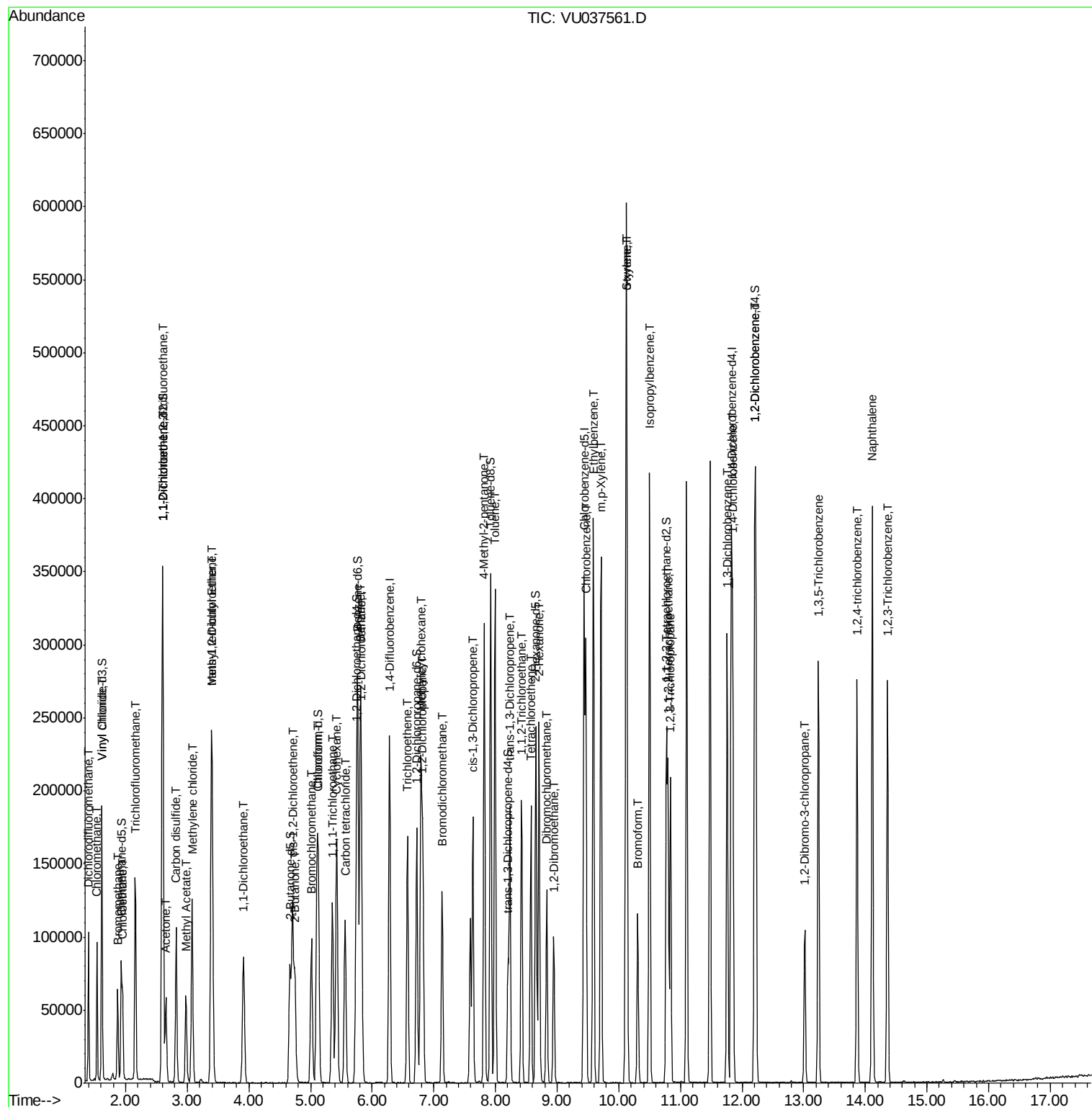
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	237418	48.002	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	97865	48.858	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	58879	49.521	ug/L	100
46) Tetrachloroethene	8.57	164	37636	46.902	ug/L	100
48) 2-Hexanone	8.71	43	155976	94.913	ug/L	100
49) Dibromochloromethane	8.83	129	63391	47.800	ug/L	100
50) 1,2-Dibromoethane	8.94	107	62806	48.032	ug/L	100
51) Chlorobenzene	9.47	112	146124	47.631	ug/L	100
52) Ethylbenzene	9.59	91	269966	48.266	ug/L	100
53) m,p-Xylene	9.71	106	99679	47.777	ug/L	100
54) o-xylene	10.12	106	97400	48.437	ug/L	100
55) Styrene	10.13	104	168392	47.293	ug/L	100
56) Isopropylbenzene	10.50	105	262197	48.091	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	102222	47.691	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	81323	48.577	ug/L	100
61) Bromoform	10.31	173	46773	50.048	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	113547	48.101	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	114212	47.938	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	111743	47.808	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	27716	49.436	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	78437	47.872	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	76349	48.880	ug/L	100
69) Naphthalene	14.11	128	300979	45.482	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	76031	48.183	ug/L	100

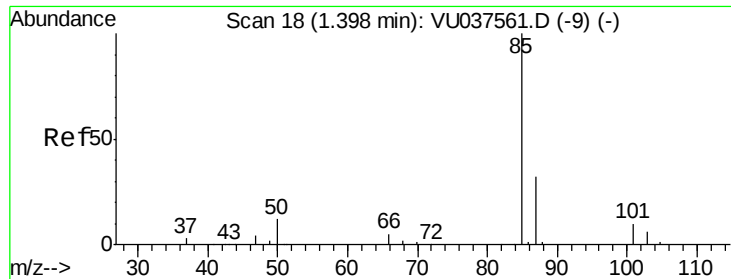
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.022 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

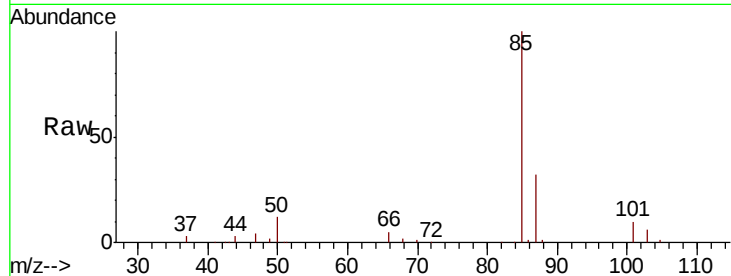
VSTD05032

Tot Ion: 85 Resp: 55969

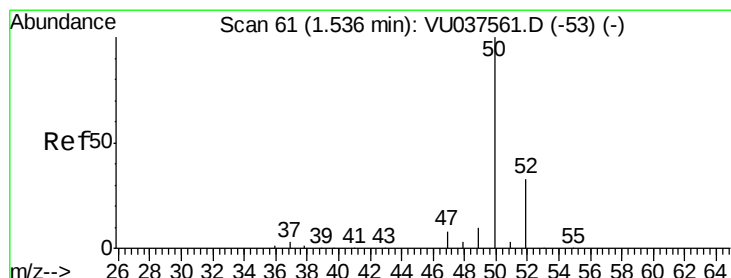
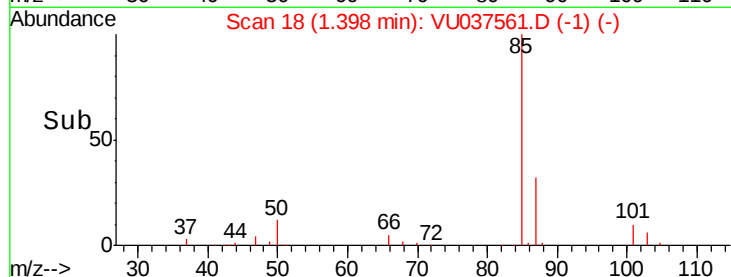
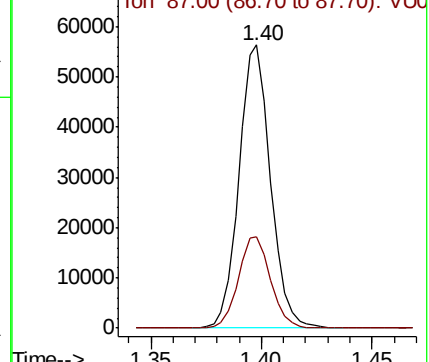
Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037561.D (-9) (-)



#3

Chloromethane

Concen: 47.278 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037561.D

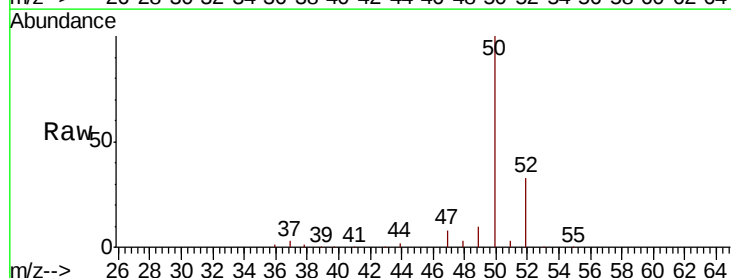
Acq: 03 Apr 2020 10:32

Tgt Ion: 50 Resp: 59692

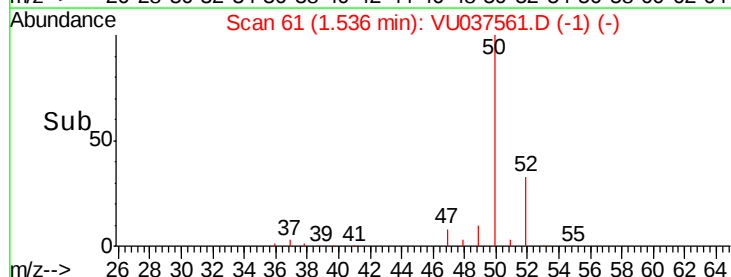
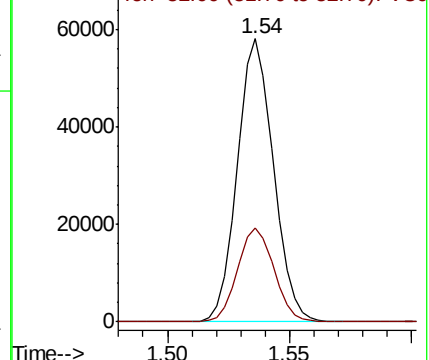
Ion Ratio Lower Upper

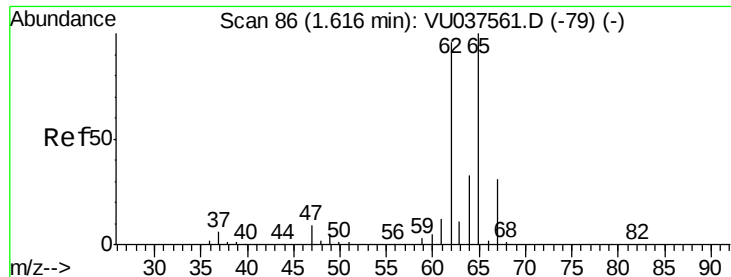
50 100

52 33.3 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU037561.D (-53) (-)





#5

Vinyl chloride

Concen: 48.033 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

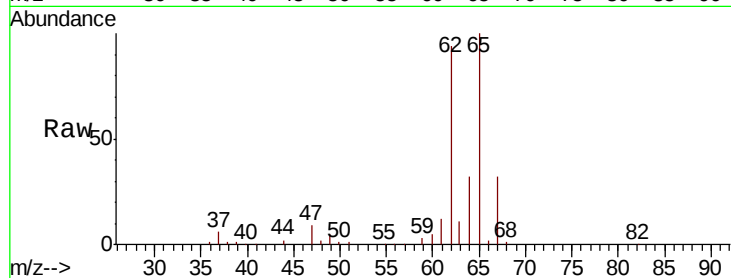
VSTD05032

Tot Ion: 62 Resp: 60221

Ion Ratio Lower Upper

62 100

64 34.3 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VU037561.D (-79) (-)

Ion 64.00 (63.70 to 64.70): VU037561.D (-79) (-)

1.62

60000

50000

40000

30000

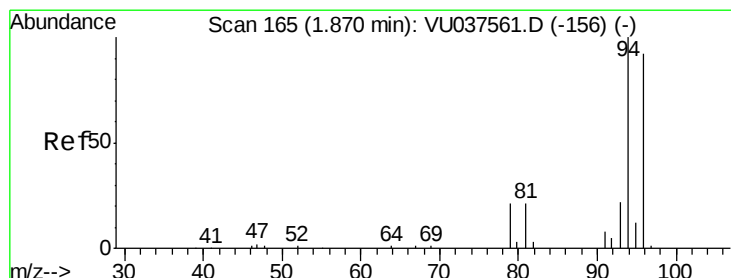
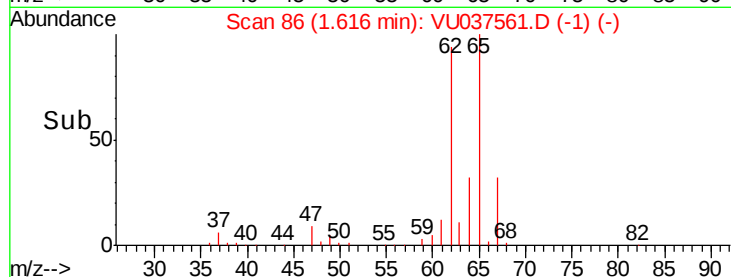
20000

10000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 46.759 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037561.D

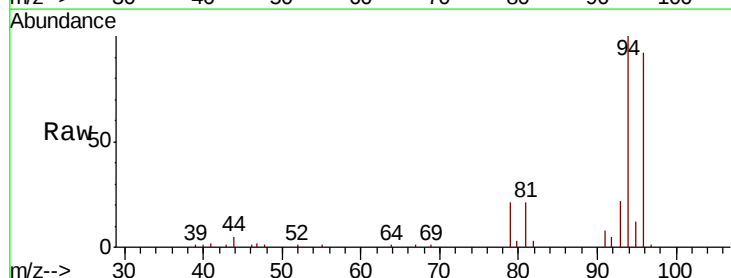
Acq: 03 Apr 2020 10:32

Tgt Ion: 94 Resp: 28913

Ion Ratio Lower Upper

94 100

96 92.0 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU037561.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037561.D (-156) (-)

1.87

25000

20000

15000

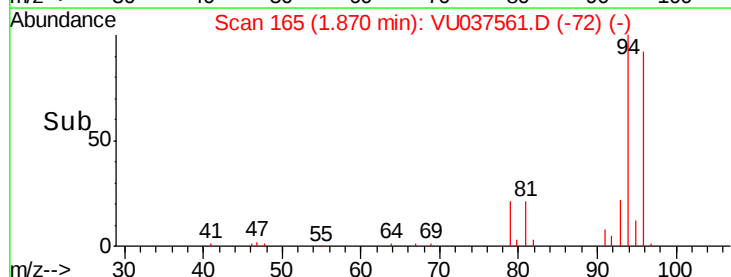
10000

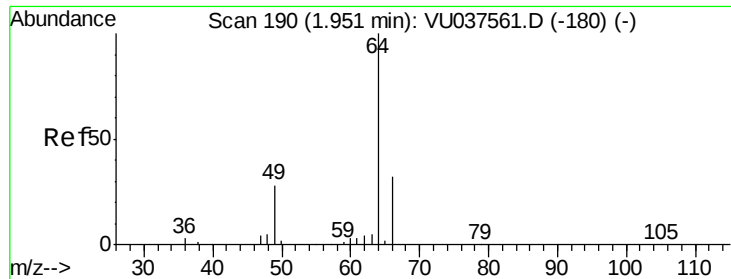
5000

0

1.85 1.90

Time-->

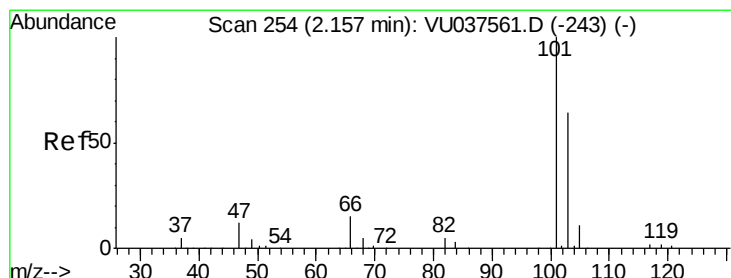
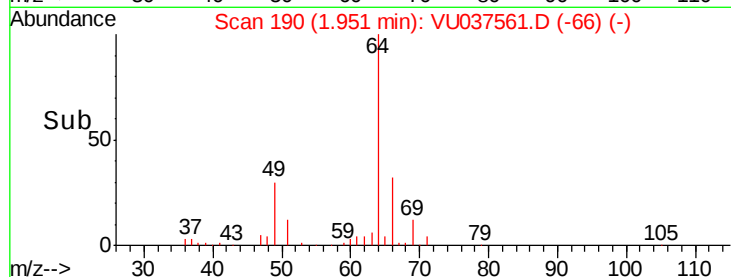
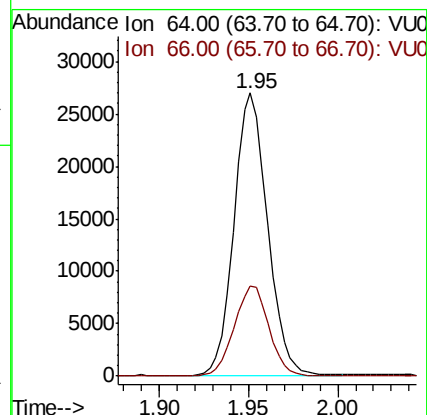
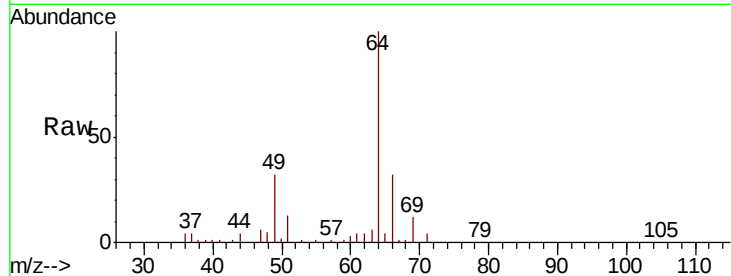




#8
Chloroethane
Concen: 47.794 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037561.D
Acq: 03 Apr 2020 10:32

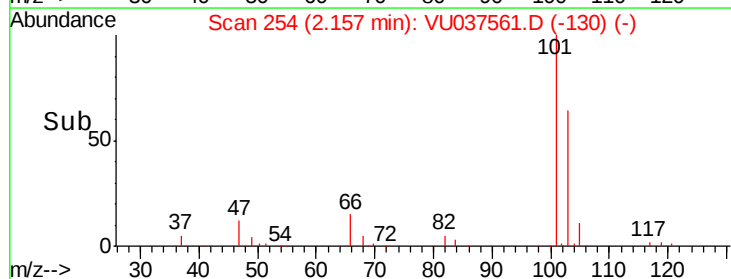
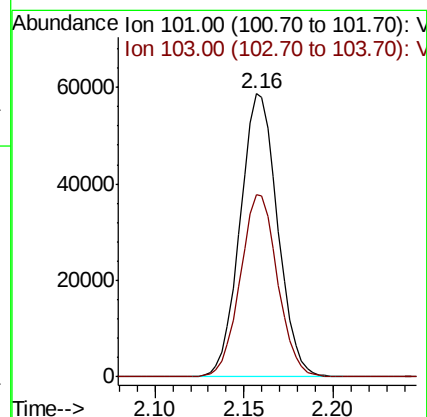
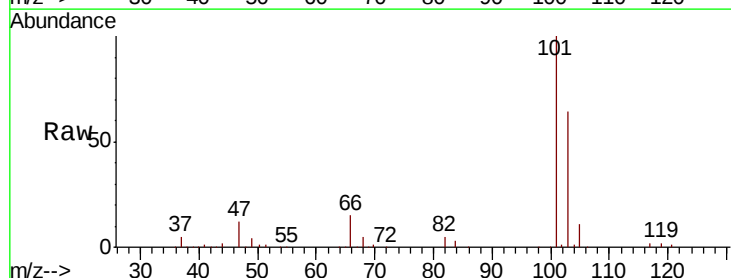
Instrument :
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ClientSampleId :
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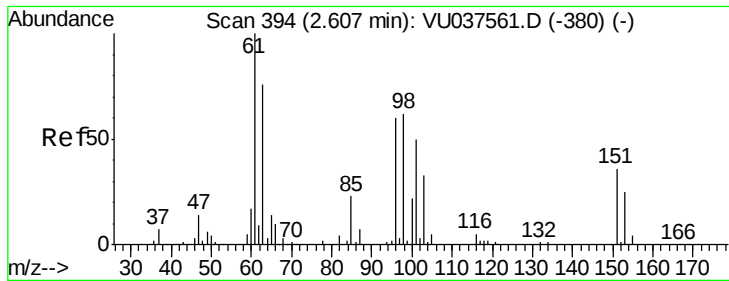
Tot Ion: 64 Resp: 35340
Ion Ratio Lower Upper
64 100
66 31.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 48.378 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037561.D
Acq: 03 Apr 2020 10:32

Tgt Ion: 101 Resp: 86052
Ion Ratio Lower Upper
101 100
103 64.0 51.2 76.8





#10

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

Concen: 48.172 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

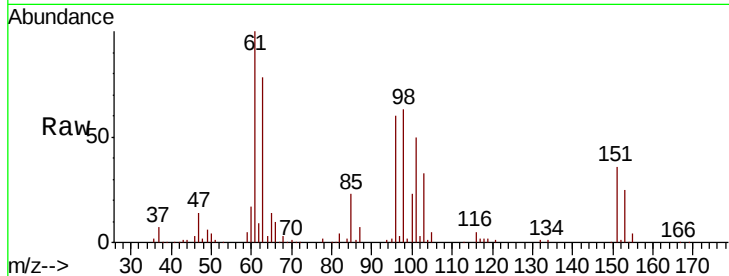
Tot Ion:101 Resp: 48873

Ion Ratio Lower Upper

101 100

85 44.3 35.4 53.2

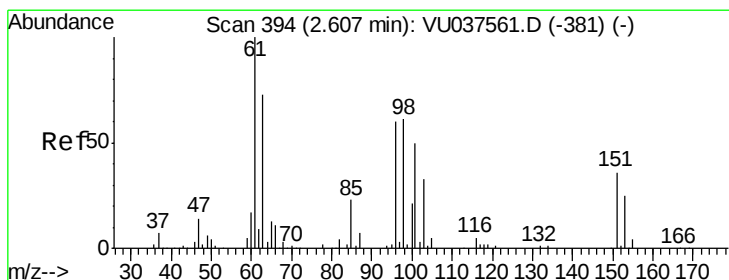
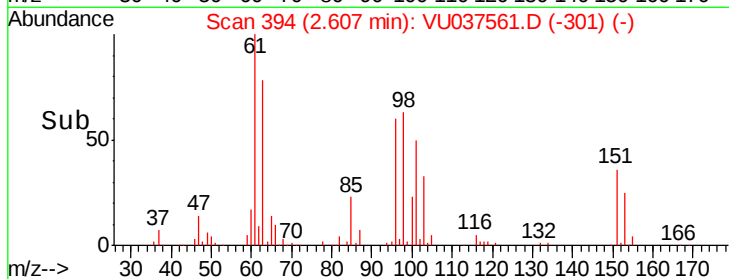
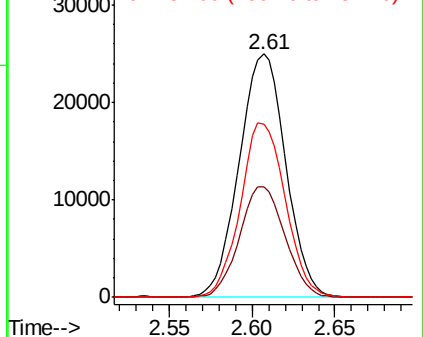
151 69.1 55.3 82.9



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: 49.380 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

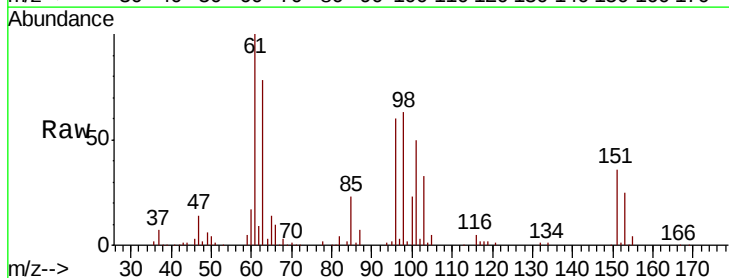
Tgt Ion: 96 Resp: 48632

Ion Ratio Lower Upper

96 100

61 167.5 117.2 217.8

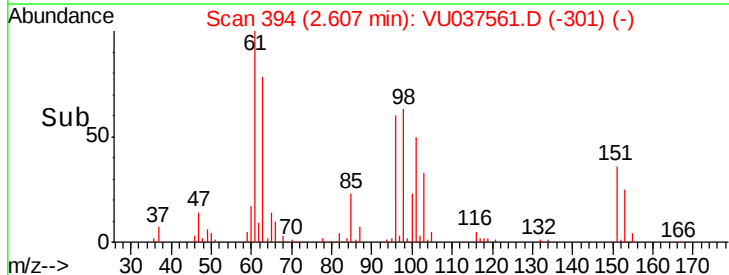
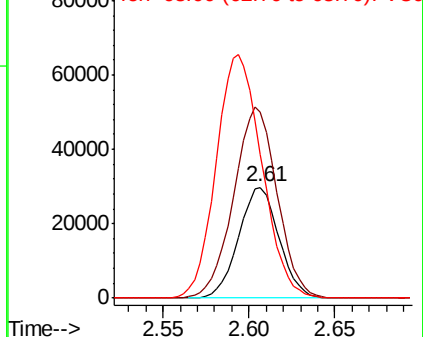
63 129.9 90.9 168.9

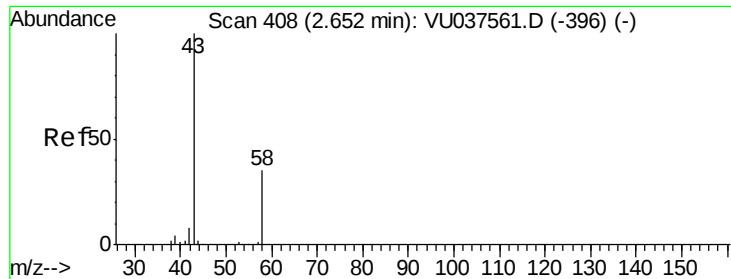


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 94.391 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

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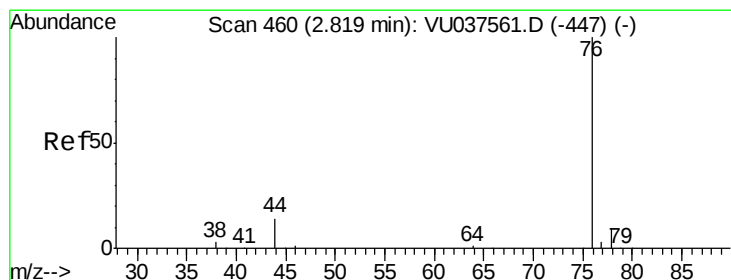
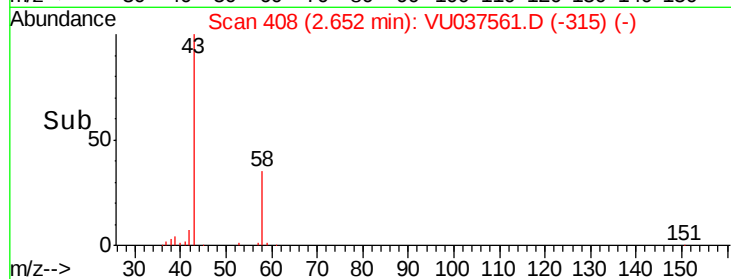
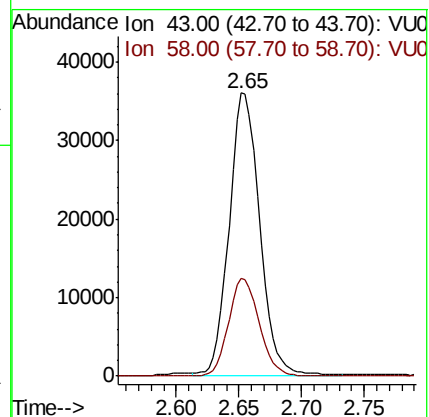
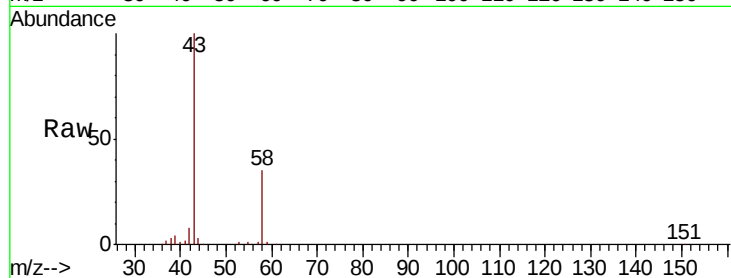
VSTD05032

Tot Ion: 43 Resp: 61319

Ion Ratio Lower Upper

43 100

58 34.4 0.0 68.8



#14

Carbon disulfide

Concen: 47.668 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037561.D

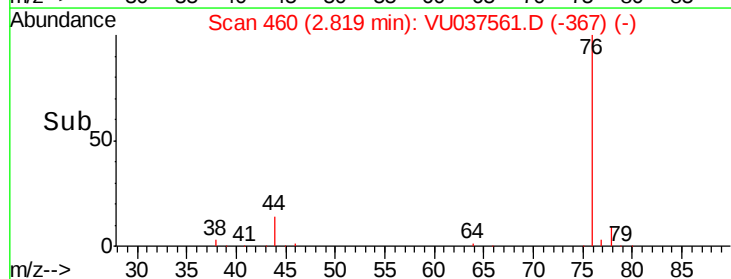
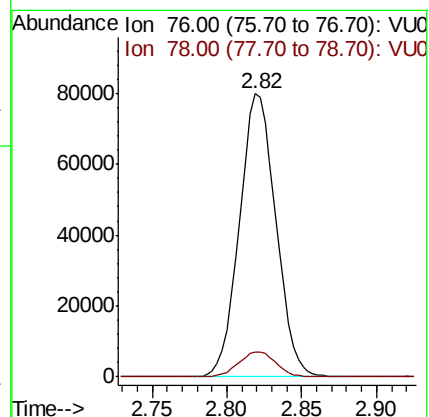
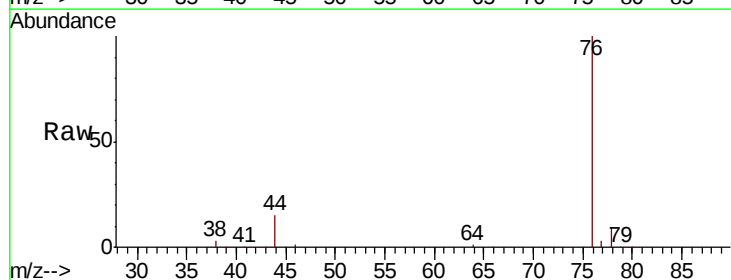
Acq: 03 Apr 2020 10:32

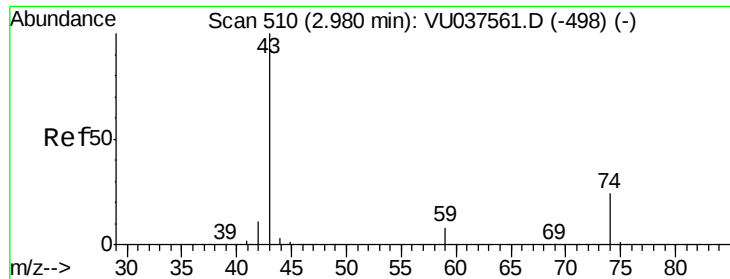
Tgt Ion: 76 Resp: 135609

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

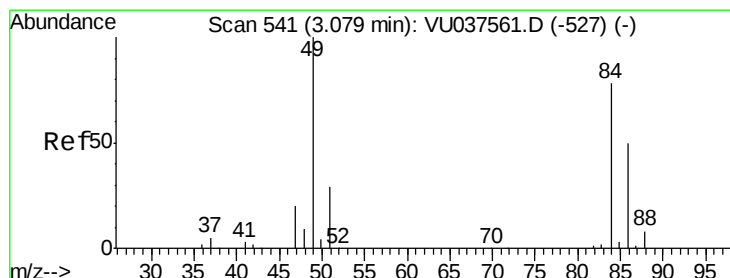
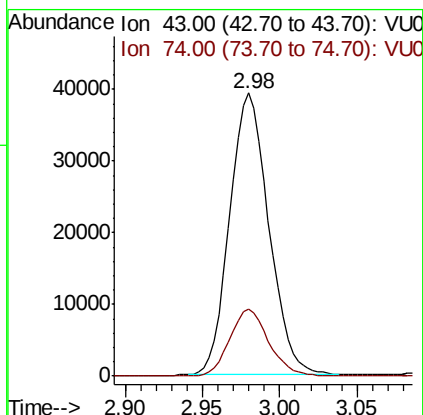
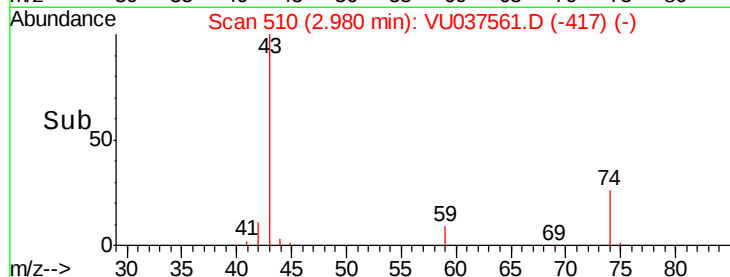
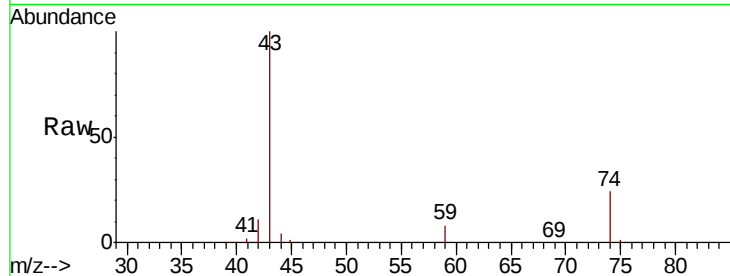




#15
Methyl Acetate
Concen: 46.928 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037561.D
Acq: 03 Apr 2020 10:32

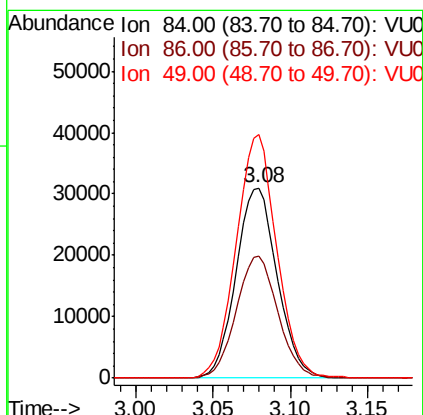
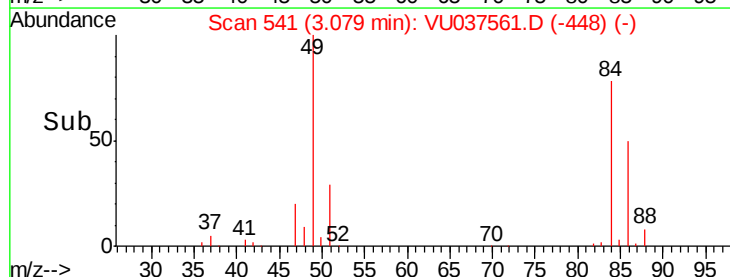
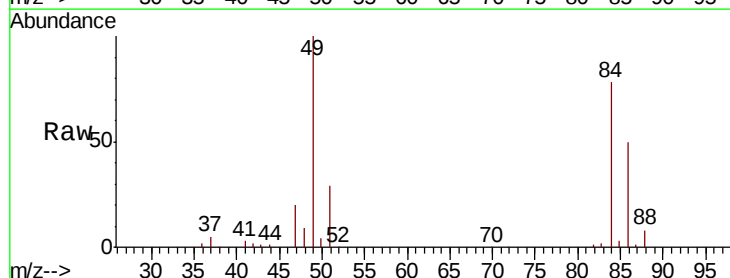
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

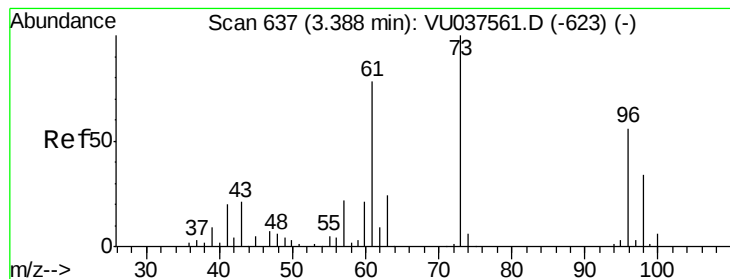
Tot Ion: 43 Resp: 69083
Ion Ratio Lower Upper
43 100
74 23.5 18.8 28.2



#16
Methylene chloride
Concen: 48.062 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037561.D
Acq: 03 Apr 2020 10:32

Tgt Ion: 84 Resp: 57415
Ion Ratio Lower Upper
84 100
86 64.0 44.8 83.2
49 128.1 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 47.795 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

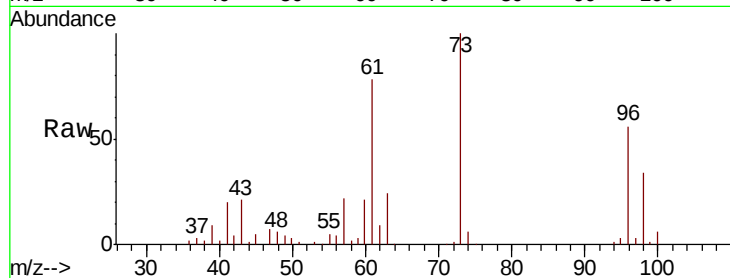
Tot Ion: 96 Resp: 50687

Ion Ratio Lower Upper

96 100

61 139.0 97.3 180.7

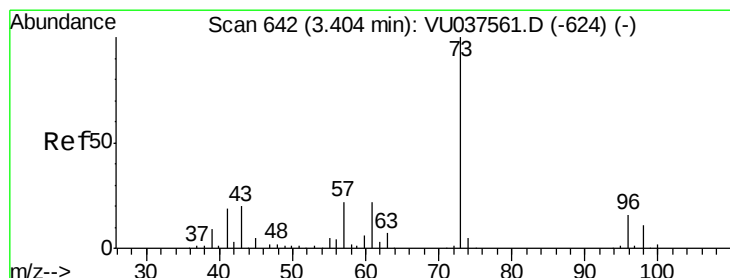
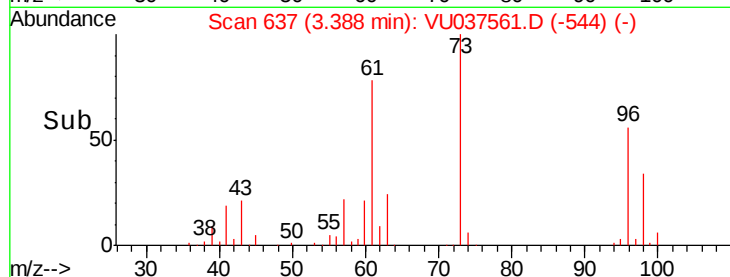
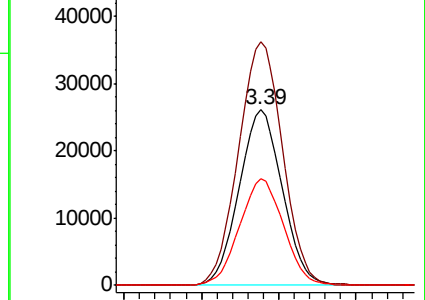
98 61.0 42.7 79.3



Abundance Ion 96.00 (95.70 to 96.70): VU037561.D (-623) (-)

Ion 61.00 (60.70 to 61.70): VU037561.D (-623) (-)

Ion 98.00 (97.70 to 98.70): VU037561.D (-623) (-)



#18

Methyl tert-butyl Ether

Concen: 48.538 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

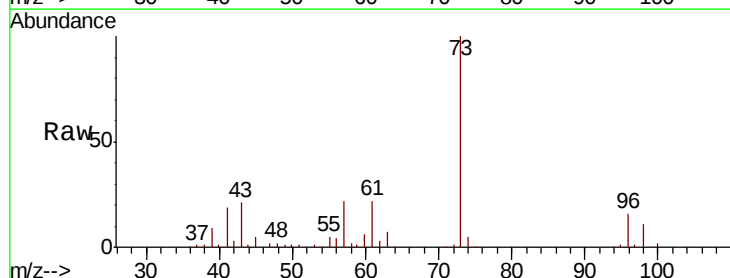
Tgt Ion: 73 Resp: 180437

Ion Ratio Lower Upper

73 100

43 20.5 16.4 24.6

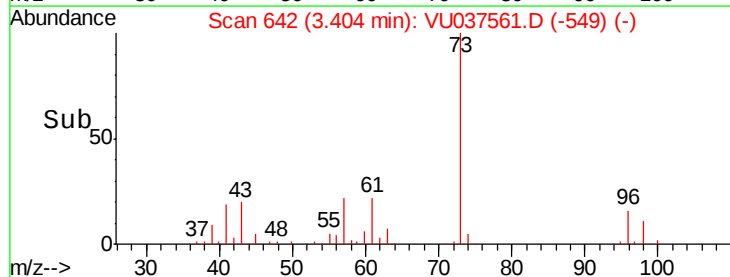
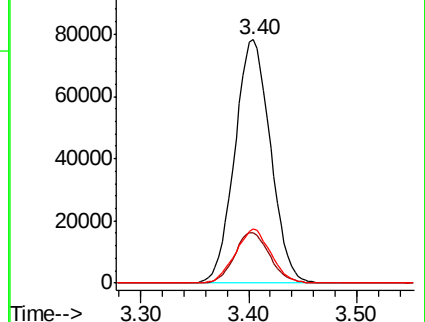
57 22.1 17.7 26.5

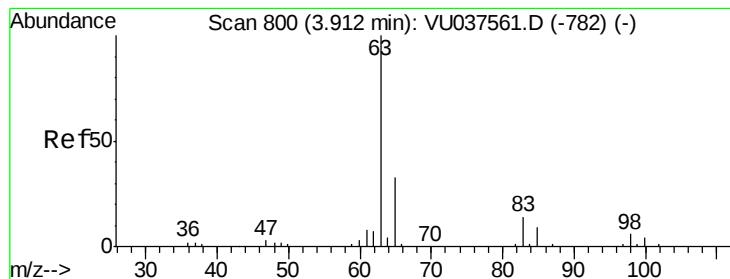


Abundance Ion 73.00 (72.70 to 73.70): VU037561.D (-624) (-)

Ion 43.00 (42.70 to 43.70): VU037561.D (-624) (-)

Ion 57.00 (56.70 to 57.70): VU037561.D (-624) (-)





#19

1,1-Dichloroethane

Concen: 48.615 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

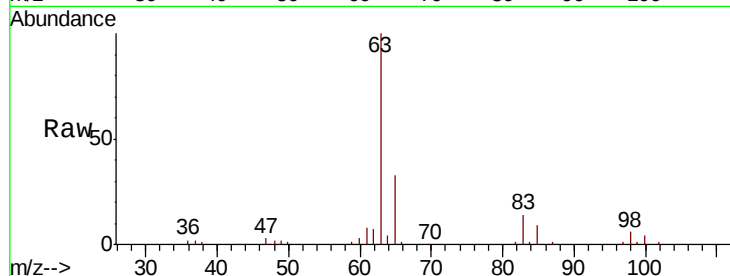
Tot Ion: 63 Resp: 101012

Ion Ratio Lower Upper

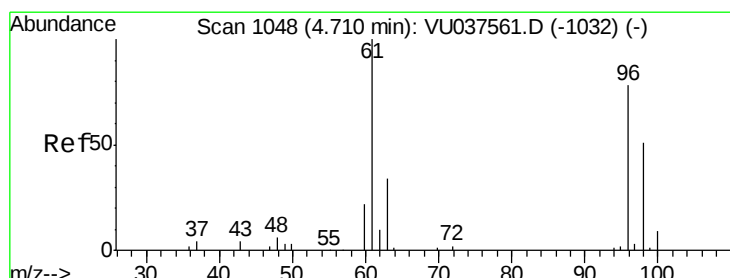
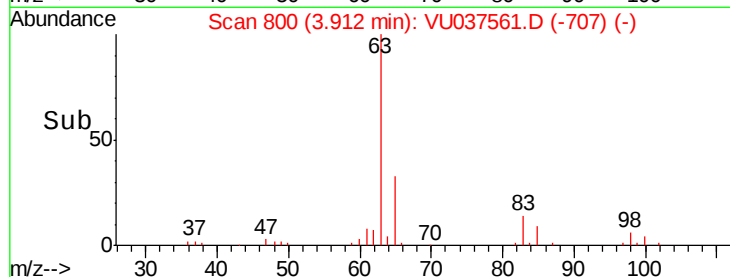
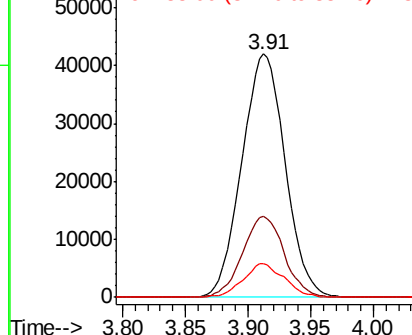
63 100

65 33.2 23.2 43.2

83 13.7 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 47.839 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

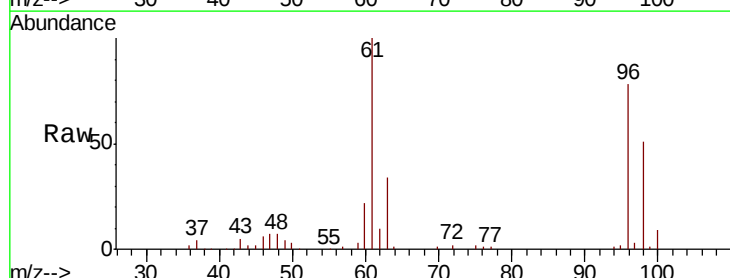
Tgt Ion: 96 Resp: 58424

Ion Ratio Lower Upper

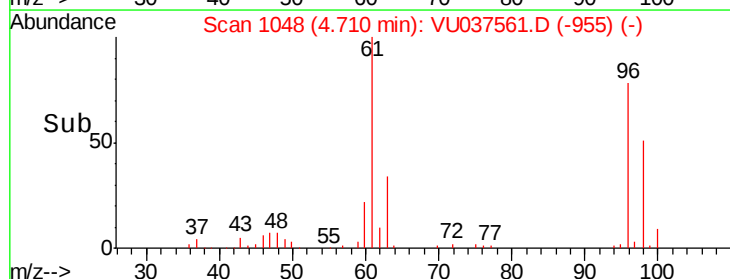
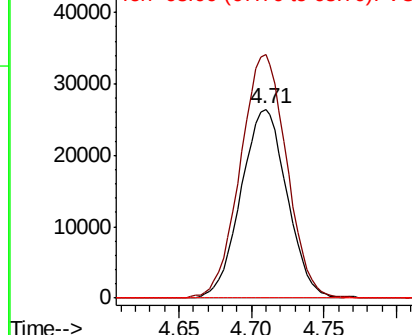
96 100

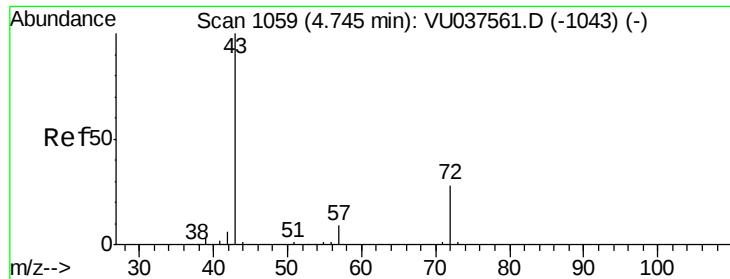
61 128.9 90.2 167.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 95.573 ug/L

RT: 4.74 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

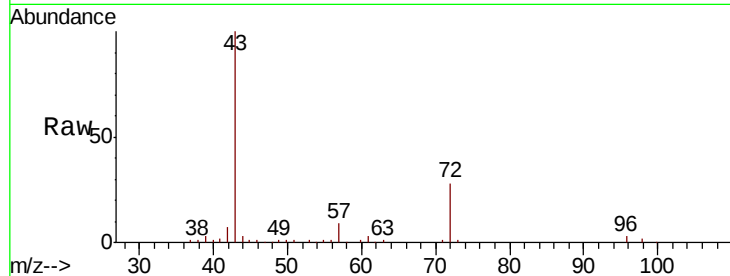
VSTD05032

Tot Ion: 43 Resp: 101337

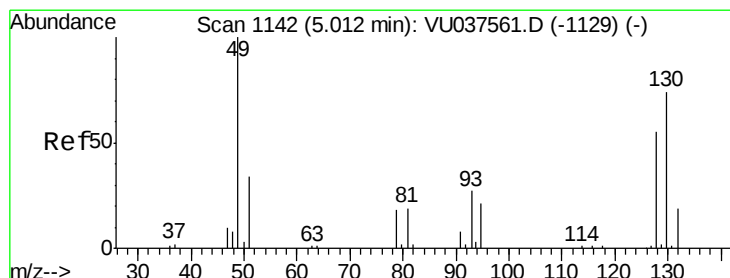
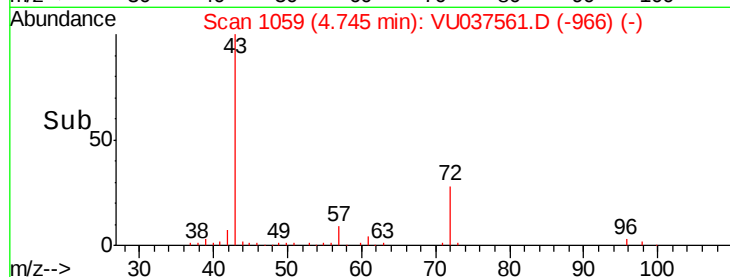
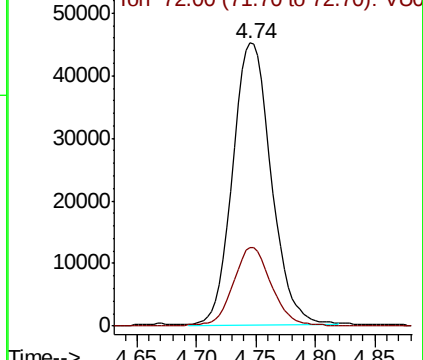
Ion Ratio Lower Upper

43 100

72 27.6 13.8 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU037561.D (-1043) (-)



#23

Bromochloromethane

Concen: 48.317 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

Tgt Ion: 128 Resp: 28322

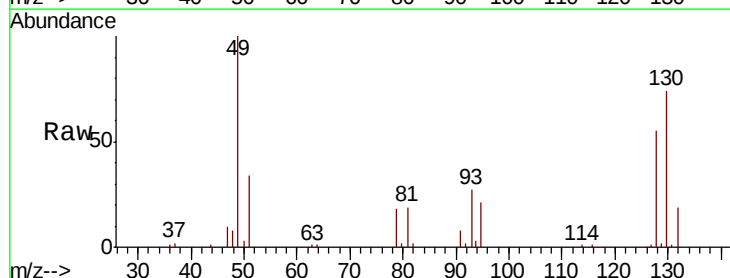
Ion Ratio Lower Upper

128 100

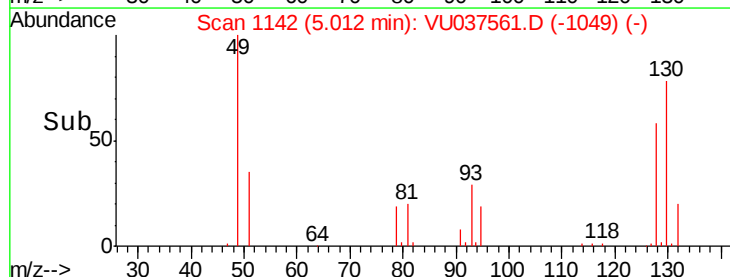
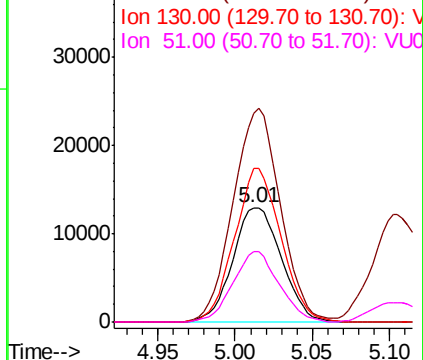
49 181.9 127.3 236.5

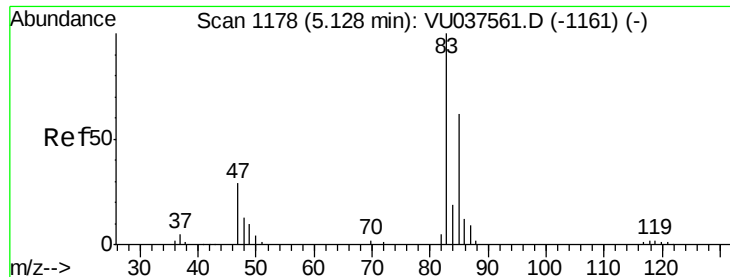
130 134.2 93.9 174.5

51 61.7 49.4 74.0



Abundance Ion 128.00 (127.70 to 128.70): VU037561.D (-1129) (-)

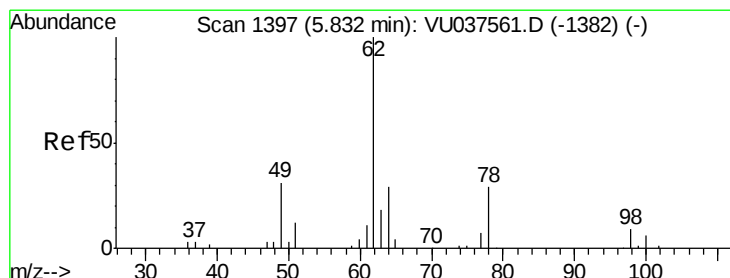
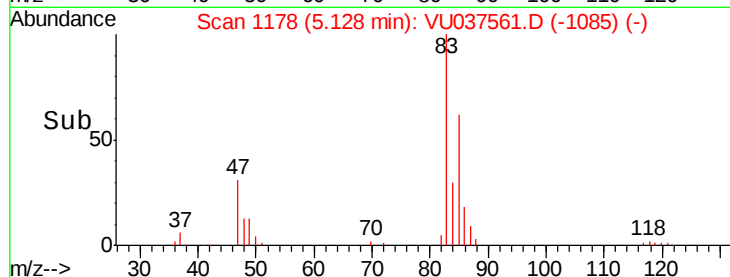
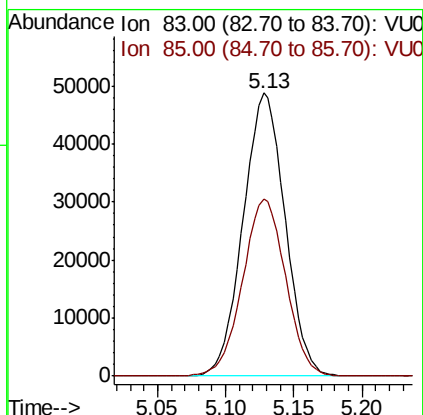
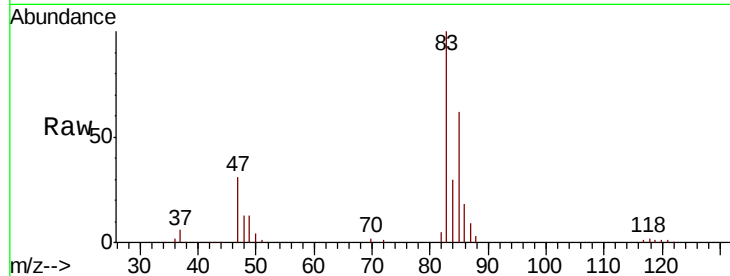




#25
Chloroform
Concen: 48.042 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037561.D
Acq: 03 Apr 2020 10:32

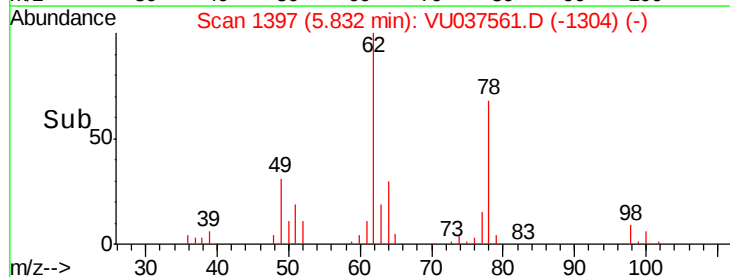
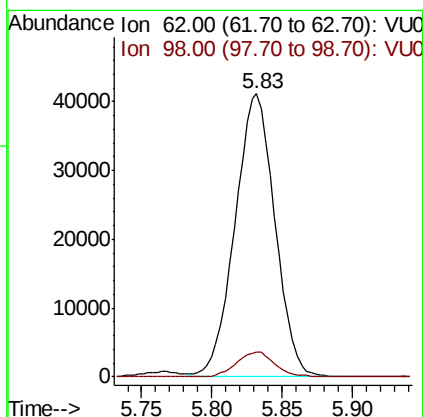
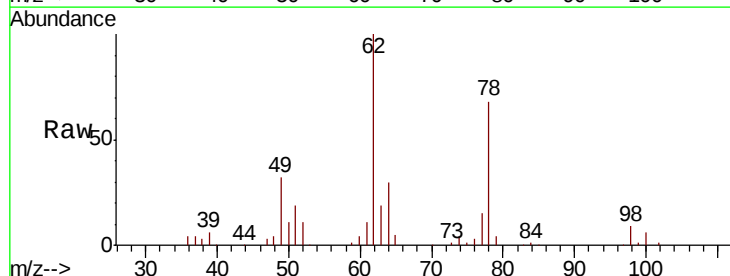
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

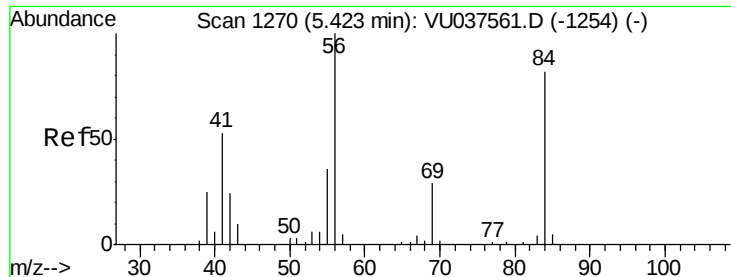
Tot Ion: 83 Resp: 104075
Ion Ratio Lower Upper
83 100
85 62.4 43.7 81.1



#27
1,2-Dichloroethane
Concen: 48.862 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037561.D
Acq: 03 Apr 2020 10:32

Tgt Ion: 62 Resp: 81693
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7

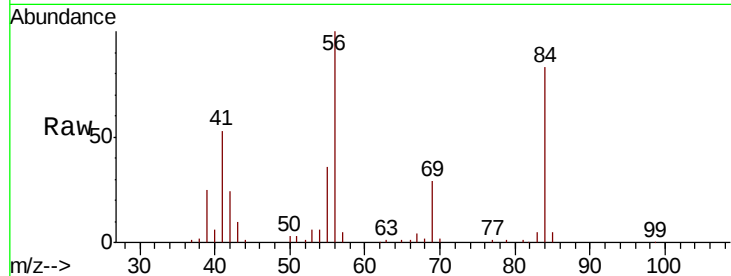




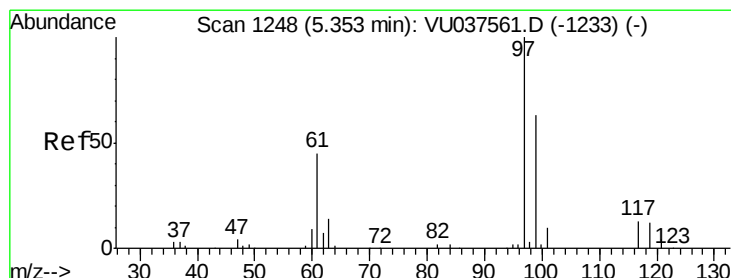
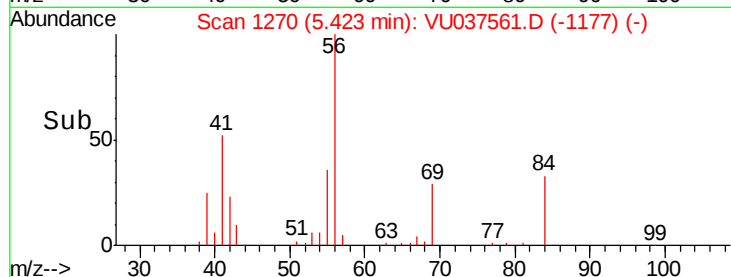
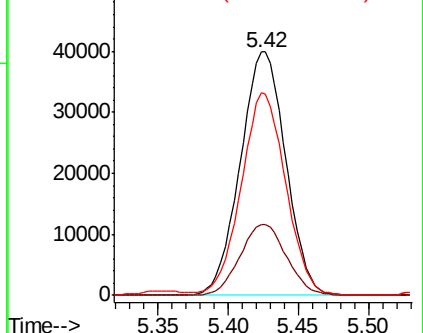
#29
Cyclohexane
Concen: 49.188 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037561.D
Acq: 03 Apr 2020 10:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Tot Ion: 56 Resp: 89919
Ion Ratio Lower Upper
56 100
69 29.7 23.8 35.6
84 81.7 65.4 98.0

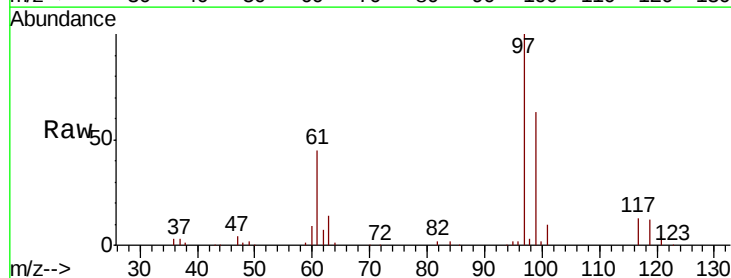


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

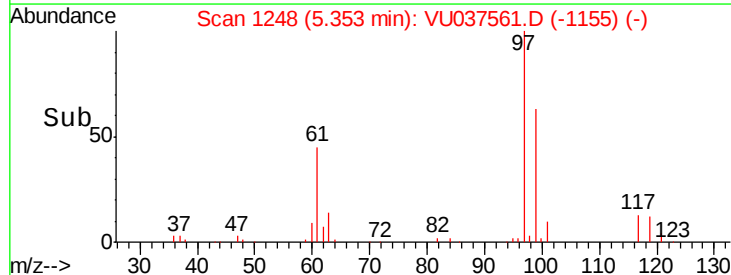
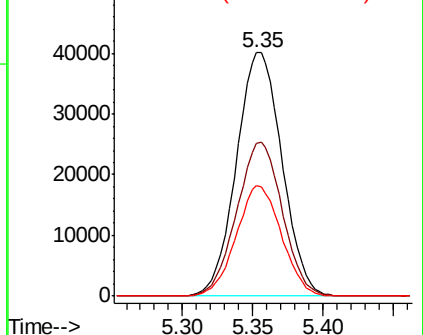


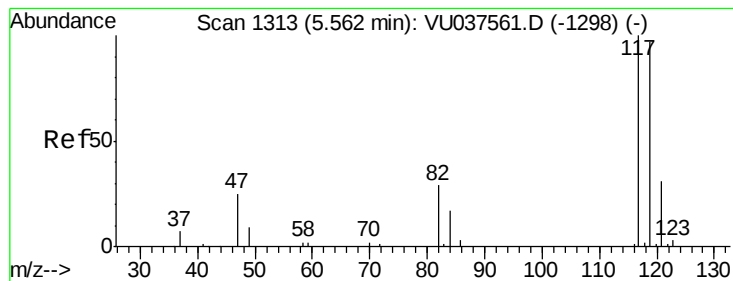
#30
1,1,1-Trichloroethane
Concen: 49.140 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037561.D
Acq: 03 Apr 2020 10:32

Tgt Ion: 97 Resp: 90861
Ion Ratio Lower Upper
97 100
99 63.2 50.6 75.8
61 44.8 35.8 53.8



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 47.570 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

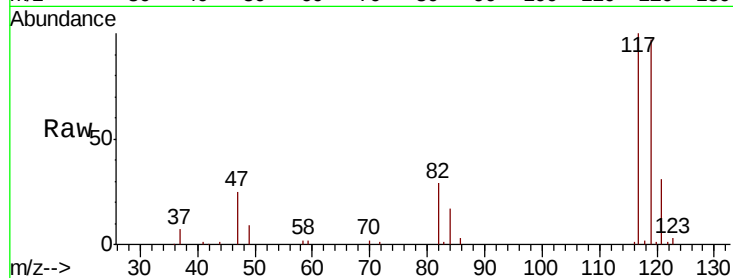
VSTD05032

Tot Ion:117 Resp: 72393

Ion Ratio Lower Upper

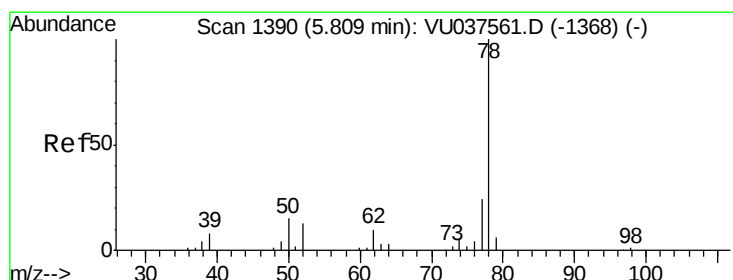
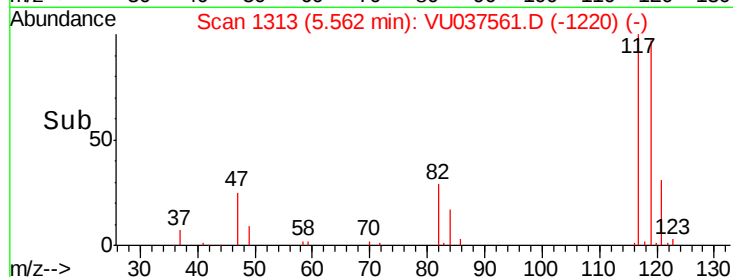
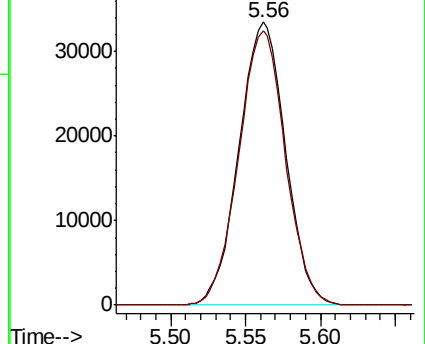
117 100

119 97.3 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.284 ug/L

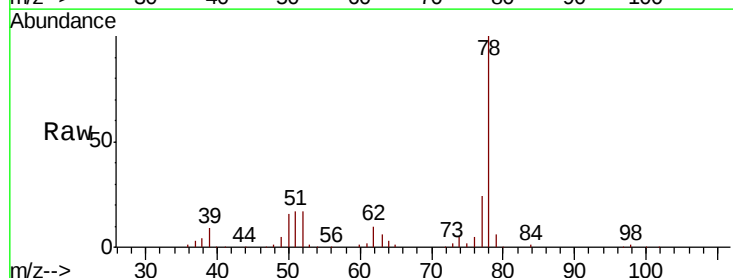
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

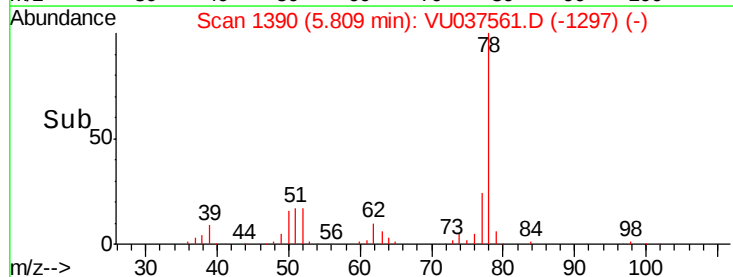
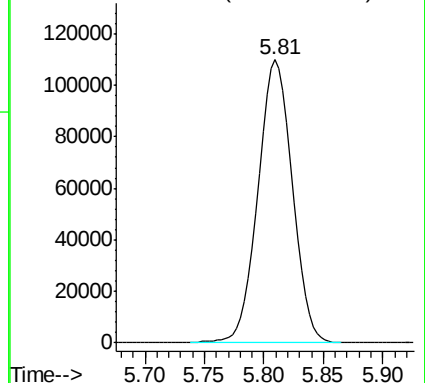
Lab File: VU037561.D

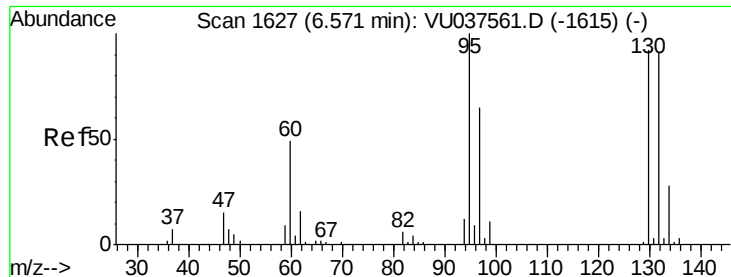
Acq: 03 Apr 2020 10:32

Tgt Ion: 78 Resp: 220683



Abundance Ion 78.00 (77.70 to 78.70): VU0

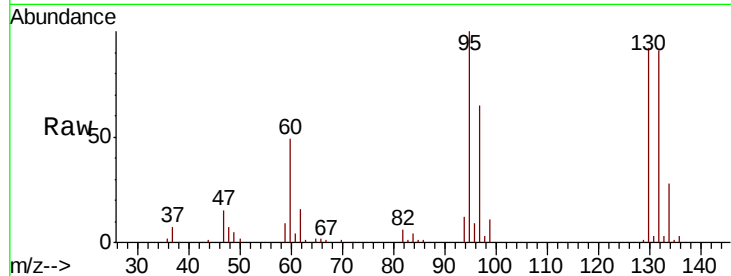




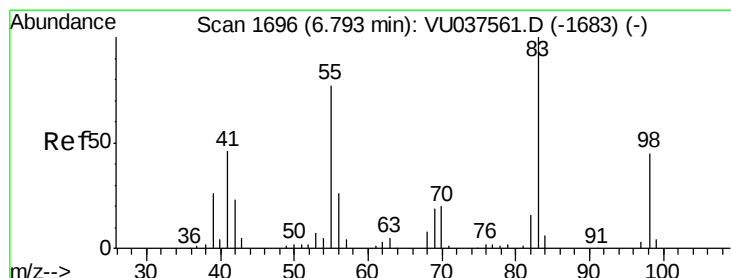
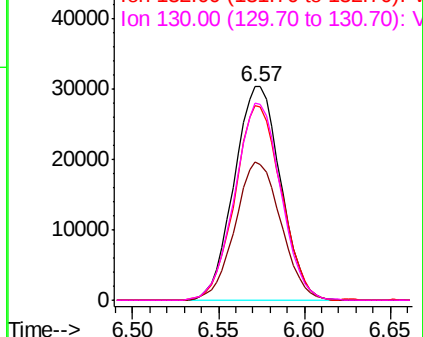
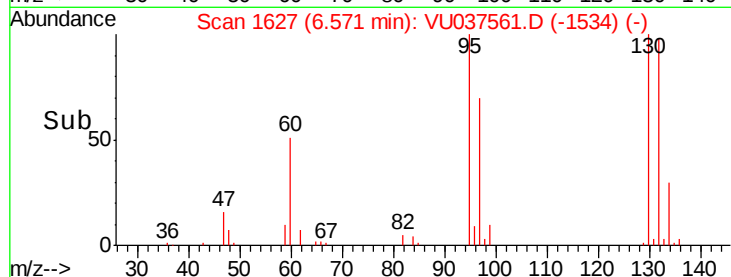
#34
 Trichloroethene
 Concen: 47.606 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037561.D
 Acq: 03 Apr 2020 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tot Ion: 95 Resp: 56894
 Ion Ratio Lower Upper
 95 100
 97 64.6 45.2 84.0
 132 91.0 63.7 118.3
 130 92.1 64.5 119.7

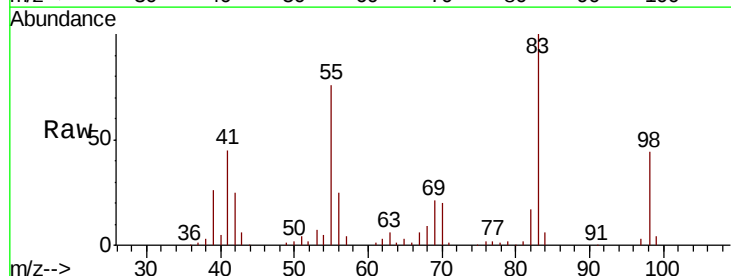


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

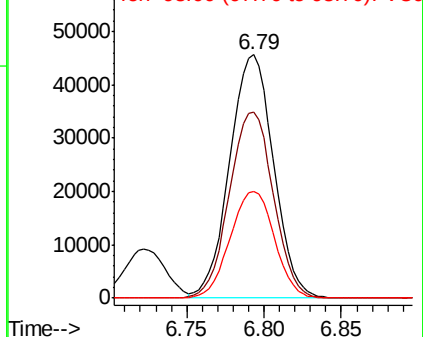
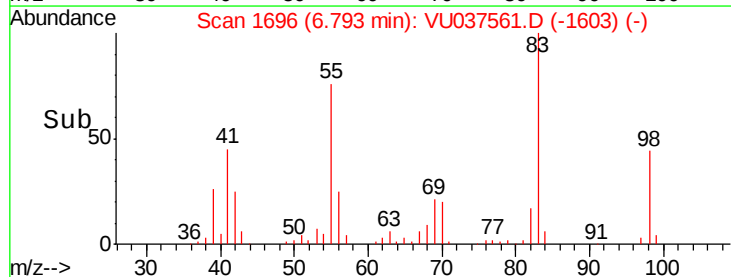


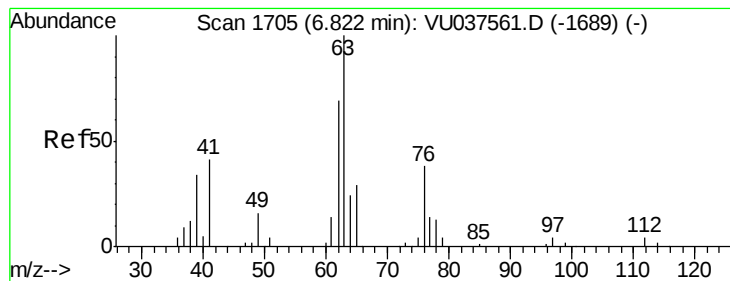
#35
 Methylcyclohexane
 Concen: 48.856 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037561.D
 Acq: 03 Apr 2020 10:32

Tgt Ion: 83 Resp: 90214
 Ion Ratio Lower Upper
 83 100
 55 76.4 61.1 91.7
 98 44.1 35.3 52.9



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 48.103 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

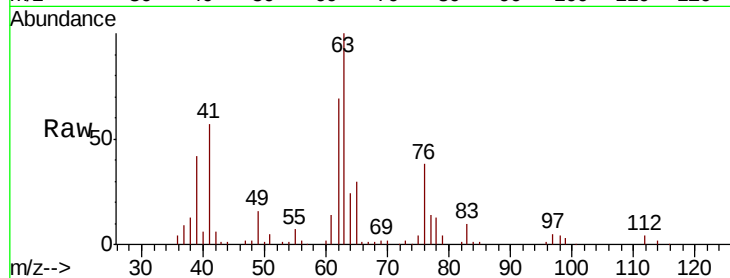
VSTD05032

Tot Ion: 63 Resp: 62642

Ion Ratio Lower Upper

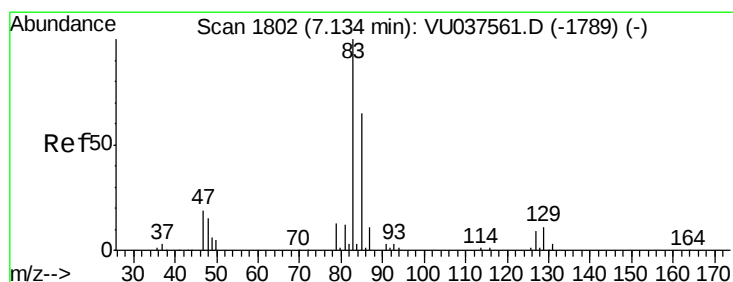
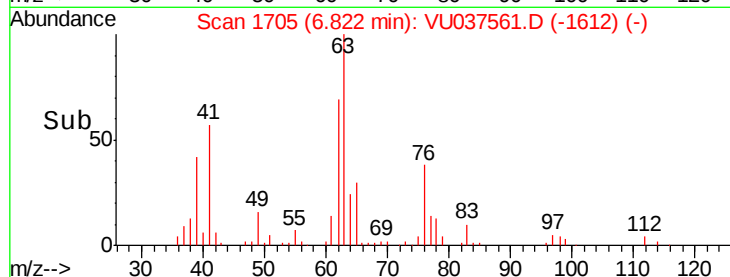
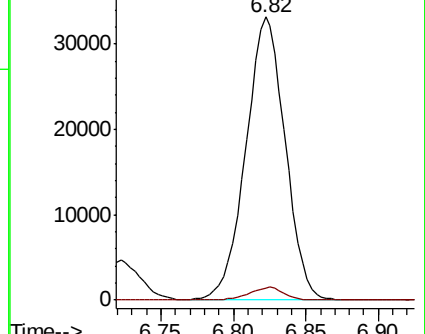
63 100

112 3.9 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU037561.D (-1689) (-)

Ion 112.00 (111.70 to 112.70): VU037561.D (-1689) (-)



#38

Bromodichloromethane

Concen: 48.314 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

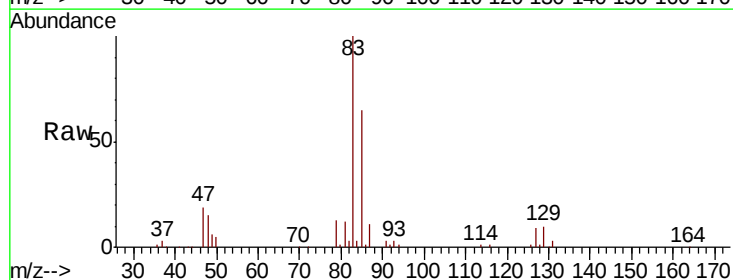
Tgt Ion: 83 Resp: 81832

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

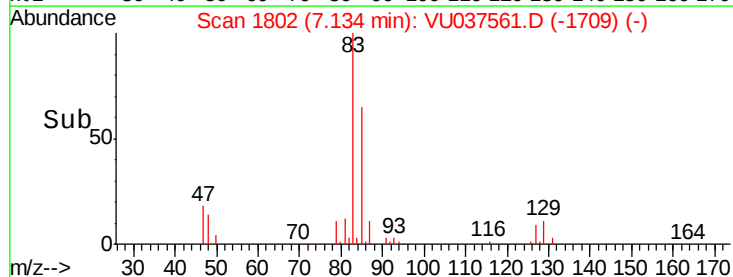
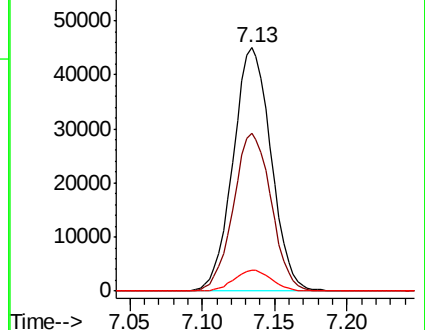
127 8.7 7.0 10.4

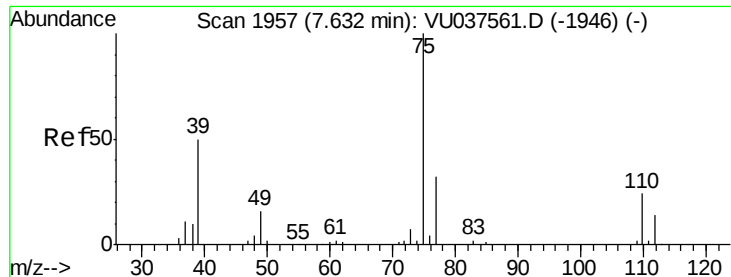


Abundance Ion 83.00 (82.70 to 83.70): VU037561.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU037561.D (-1789) (-)

Ion 127.00 (126.70 to 127.70): VU037561.D (-1789) (-)

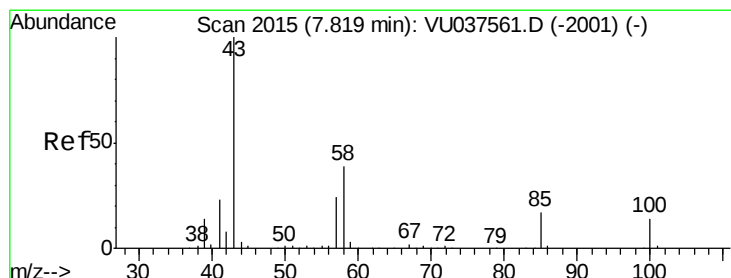
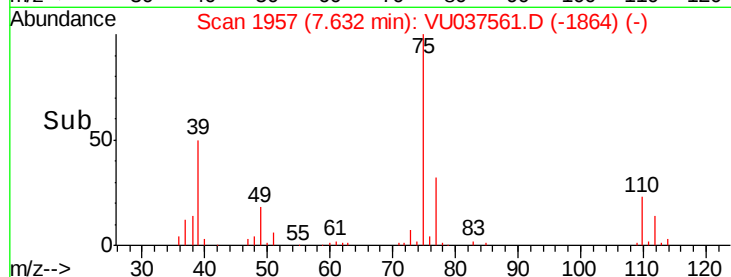
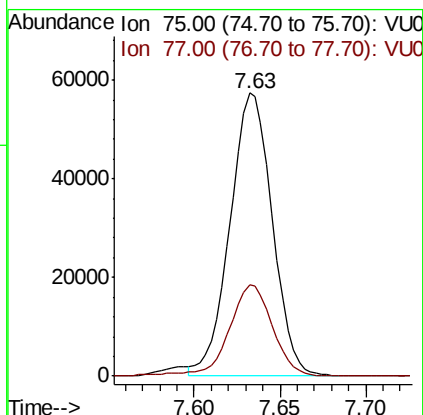
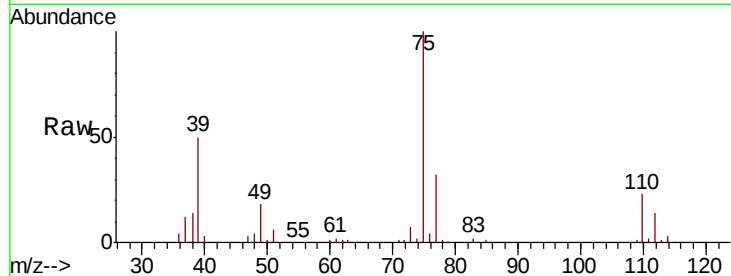




#39
 cis-1,3-Dichloropropene
 Concen: 47.912 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037561.D
 Acq: 03 Apr 2020 10:32

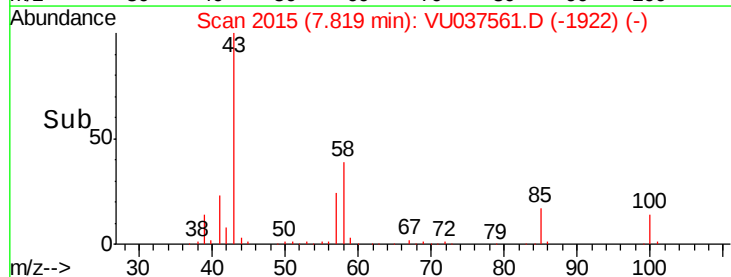
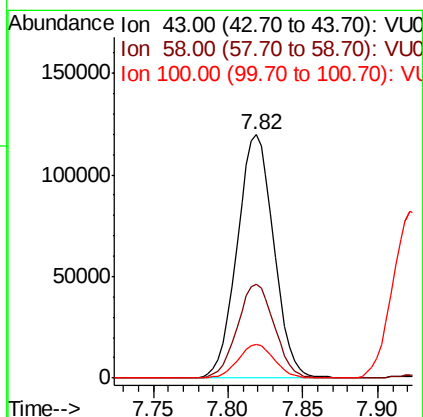
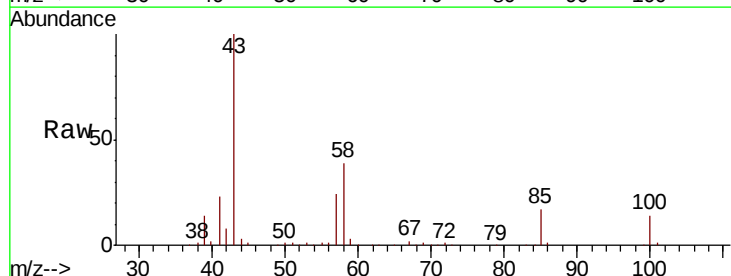
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

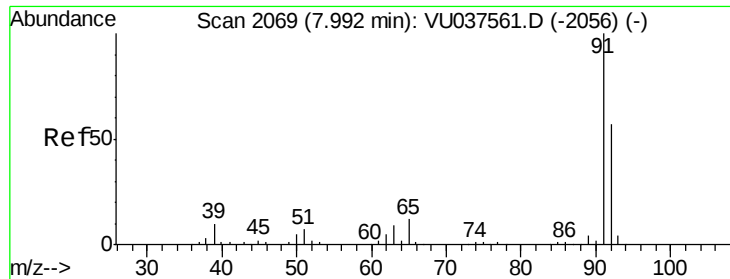
Tot Ion: 75 Resp: 97453
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 96.602 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037561.D
 Acq: 03 Apr 2020 10:32

Tgt Ion: 43 Resp: 204140
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.4 47.0
 100 13.7 11.0 16.4





#42

Toluene

Concen: 48.002 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

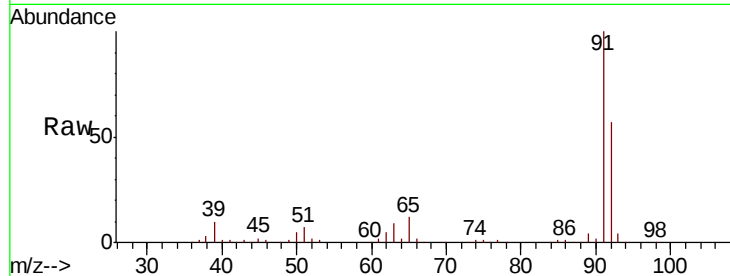
VSTD05032

Tot Ion: 91 Resp: 237418

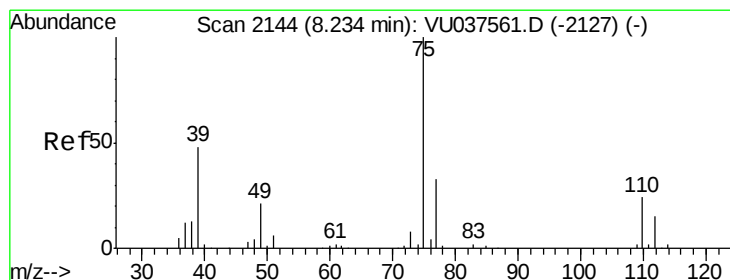
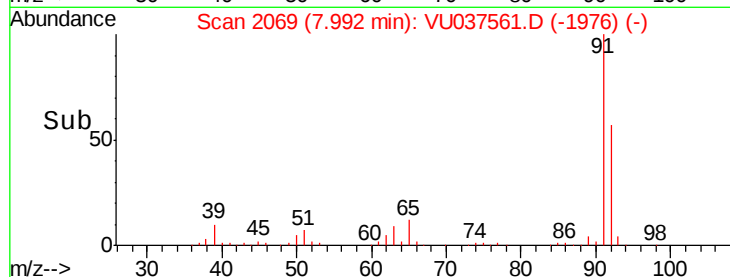
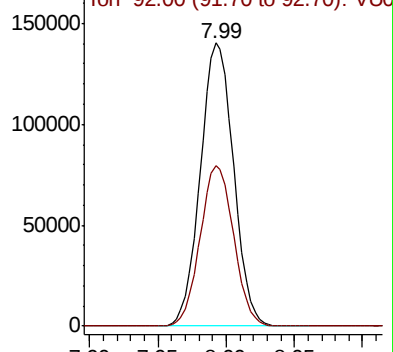
Ion Ratio Lower Upper

91 100

92 56.7 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU037561.D (-2056) (-)



#44

trans-1,3-Dichloropropene

Concen: 48.858 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037561.D

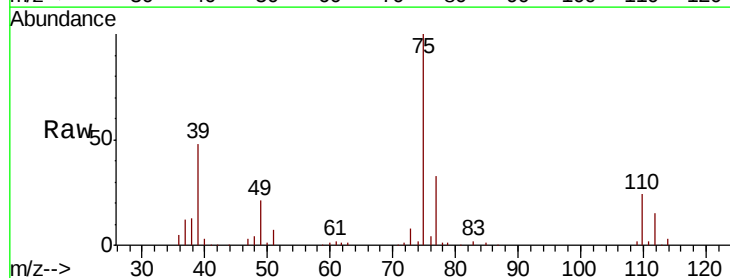
Acq: 03 Apr 2020 10:32

Tgt Ion: 75 Resp: 97865

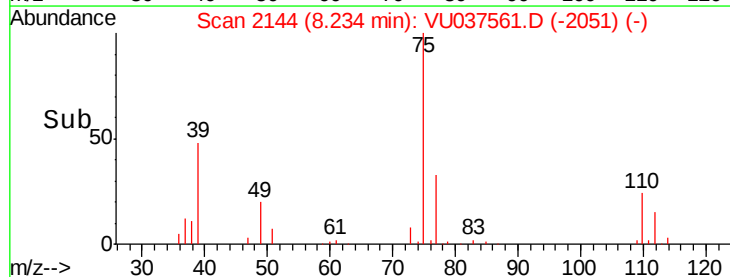
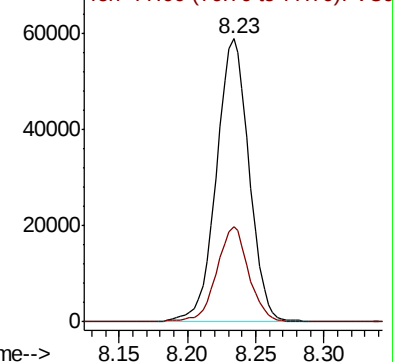
Ion Ratio Lower Upper

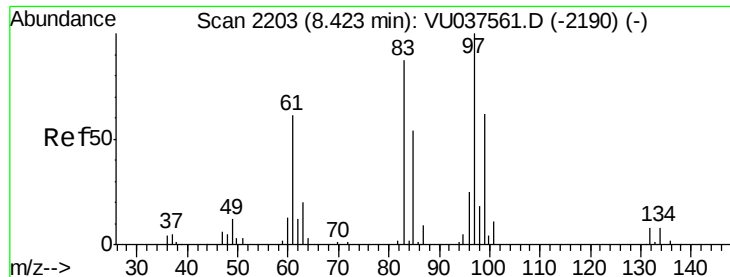
75 100

77 33.5 23.4 43.6



Abundance Ion 75.00 (74.70 to 75.70): VU037561.D (-2127) (-)

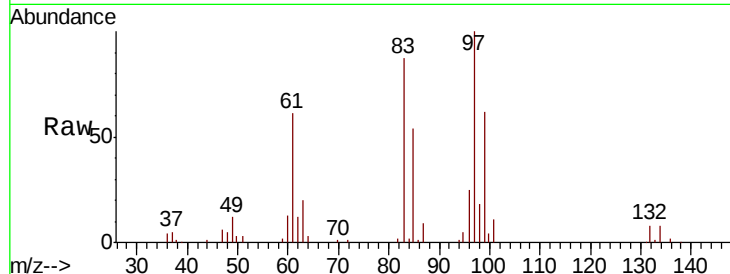




#45
 1,1,2-Trichloroethane
 Concen: 49.521 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037561.D
 Acq: 03 Apr 2020 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tot Ion:	97	Resp:	58879
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.3	80.5
83	86.8	60.8	112.8
85	54.2	37.9	70.5



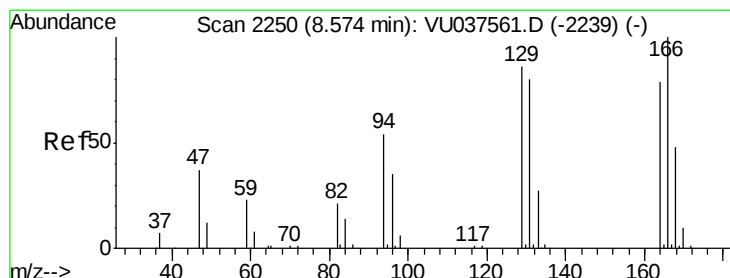
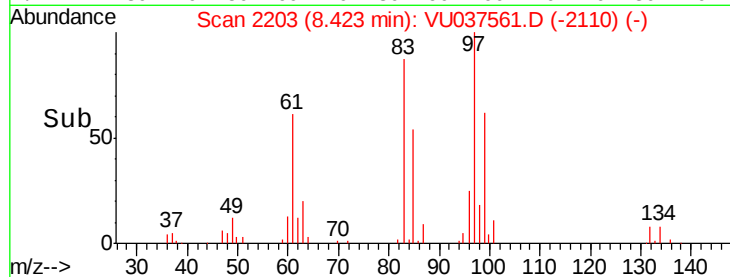
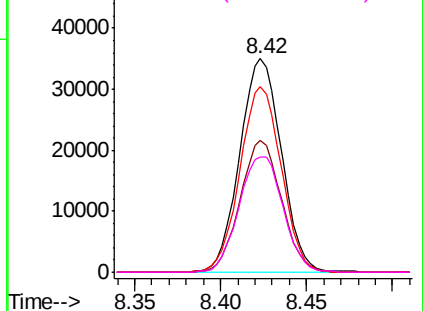
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

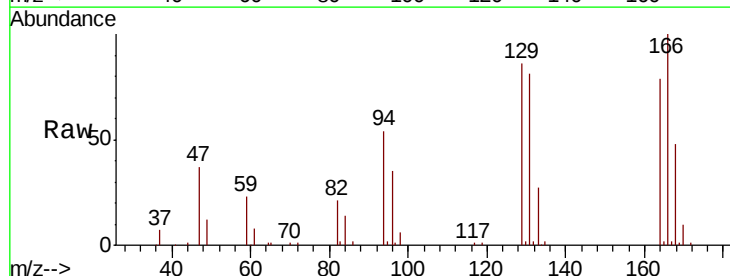
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 46.902 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037561.D
 Acq: 03 Apr 2020 10:32

Tgt Ion:	164	Resp:	37636
Ion	Ratio	Lower	Upper
164	100		
129	109.3	76.5	142.1
131	102.4	71.7	133.1
166	126.9	88.8	165.0



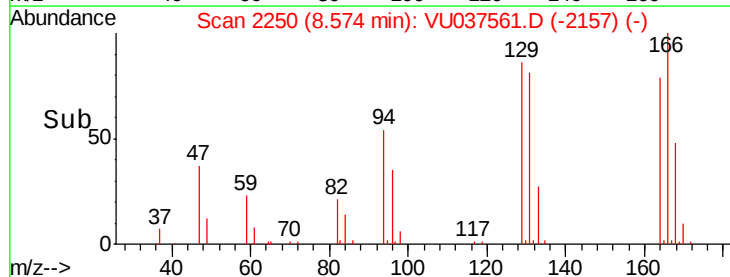
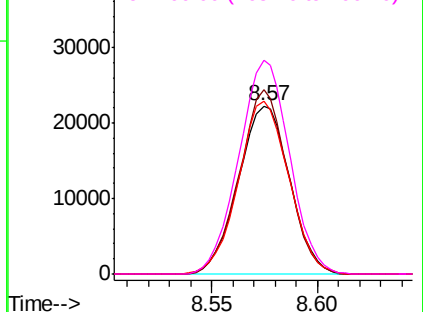
Abundance

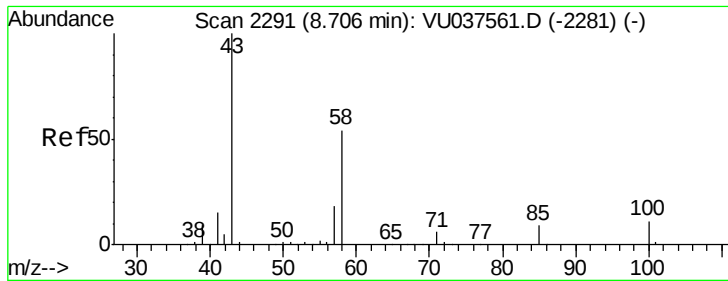
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 94.913 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

Tot Ion: 43 Resp: 155976

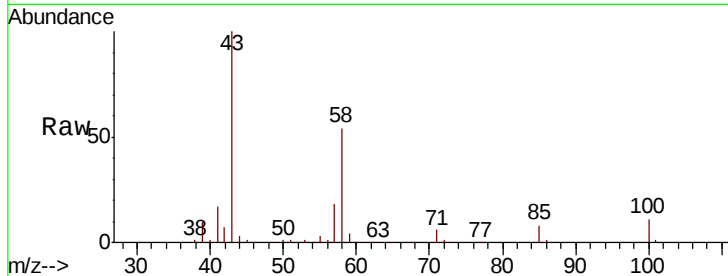
Ion Ratio Lower Upper

43 100

58 55.5 44.4 66.6

57 18.9 15.1 22.7

100 10.9 8.7 13.1

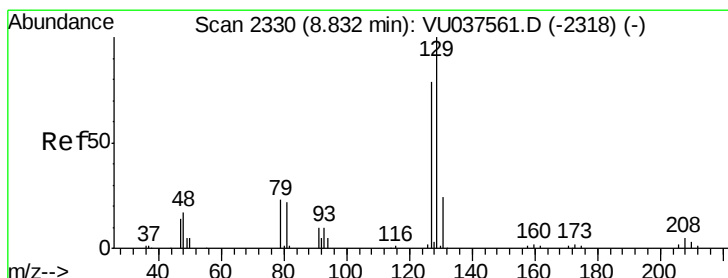
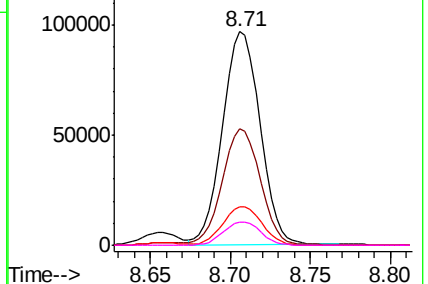
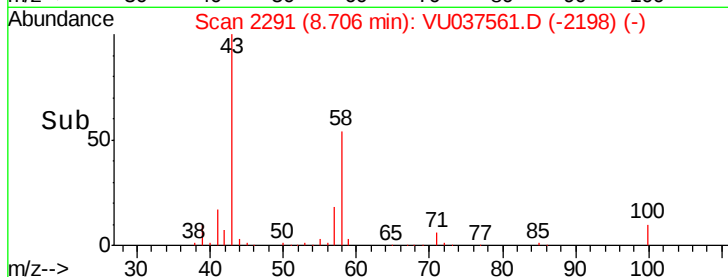


Abundance Ion 43.00 (42.70 to 43.70): VU037561.D (-2281) (-)

Ion 58.00 (57.70 to 58.70): VU037561.D (-2281) (-)

Ion 57.00 (56.70 to 57.70): VU037561.D (-2281) (-)

Ion 100.00 (99.70 to 100.70): VU037561.D (-2281) (-)



#49

Dibromochloromethane

Concen: 47.800 ug/L

RT: 8.83 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU037561.D

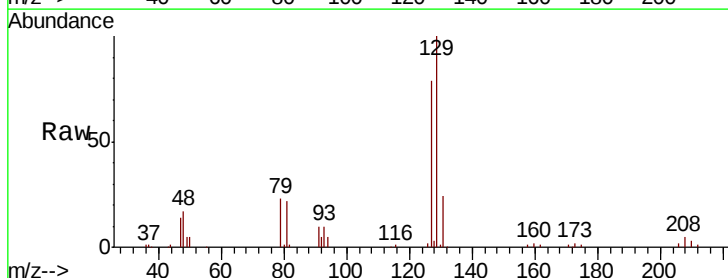
Acq: 03 Apr 2020 10:32

Tgt Ion: 129 Resp: 63391

Ion Ratio Lower Upper

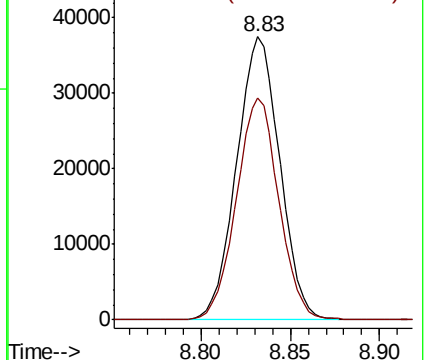
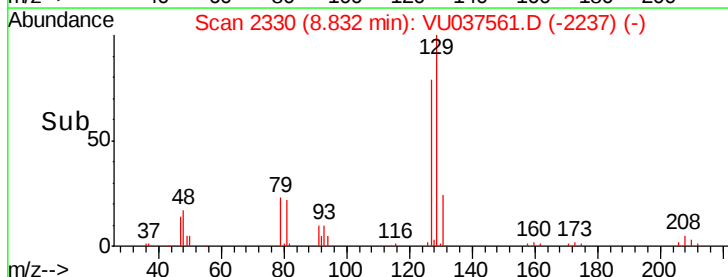
129 100

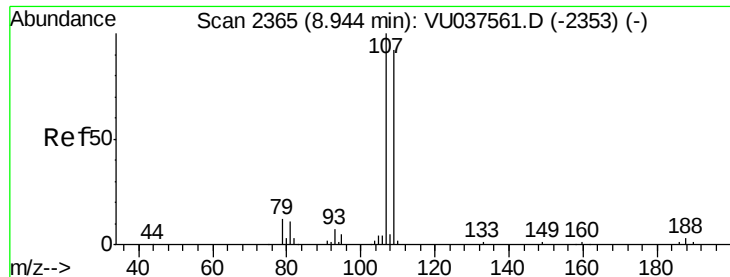
127 78.6 55.0 102.2



Abundance Ion 129.00 (128.70 to 129.70): VU037561.D (-2330) (-)

Ion 127.00 (126.70 to 127.70): VU037561.D (-2330) (-)

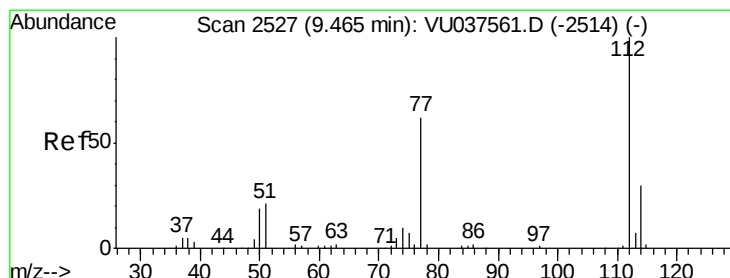
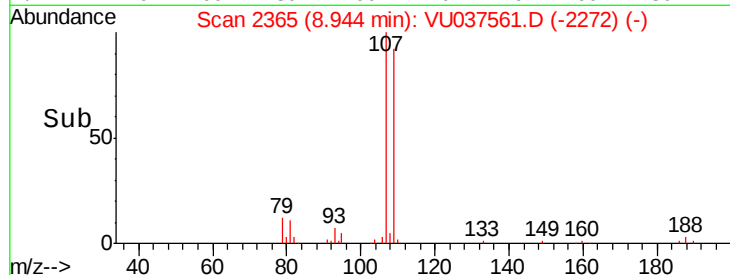
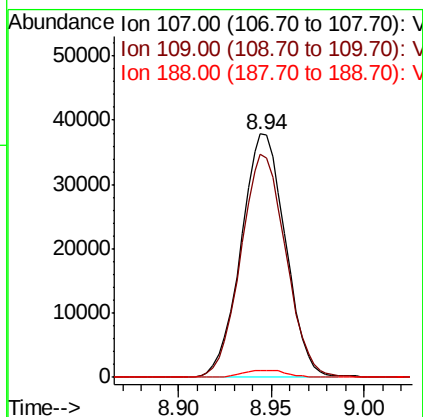
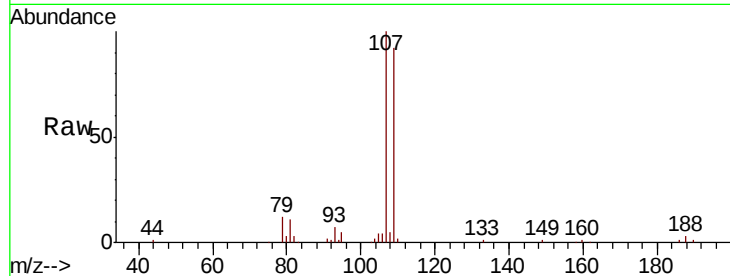




#50
 1,2-Dibromoethane
 Concen: 48.032 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU037561.D
 Acq: 03 Apr 2020 10:32

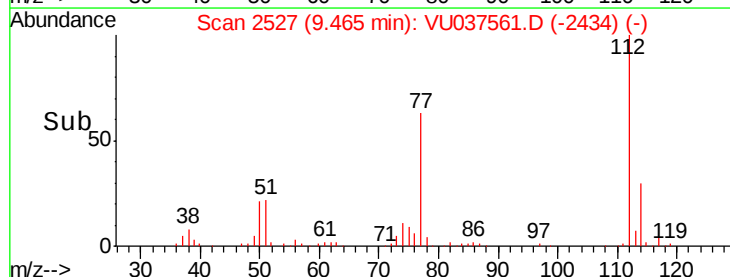
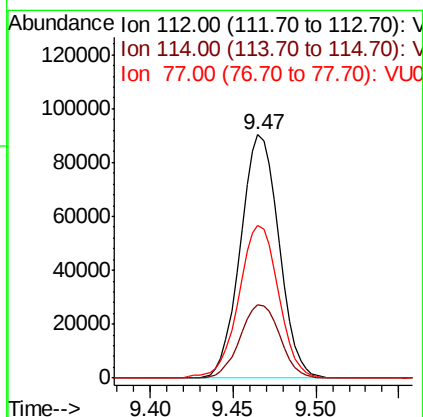
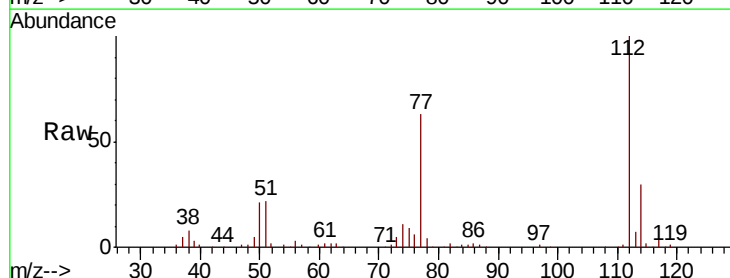
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

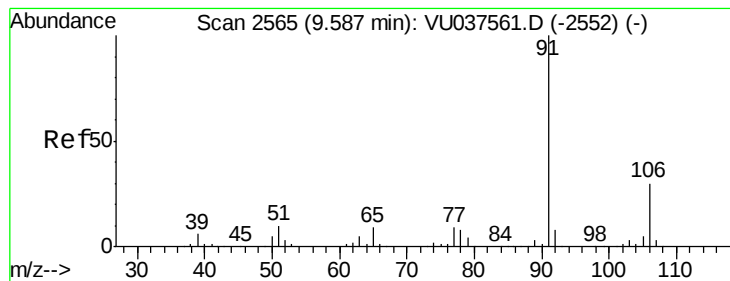
Tot Ion:107 Resp: 62806
 Ion Ratio Lower Upper
 107 100
 109 91.6 64.1 119.1
 188 2.9 2.3 3.5



#51
 Chlorobenzene
 Concen: 47.631 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU037561.D
 Acq: 03 Apr 2020 10:32

Tgt Ion:112 Resp: 146124
 Ion Ratio Lower Upper
 112 100
 114 30.0 21.0 39.0
 77 62.8 50.2 75.4





#52

Ethylbenzene

Concen: 48.266 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

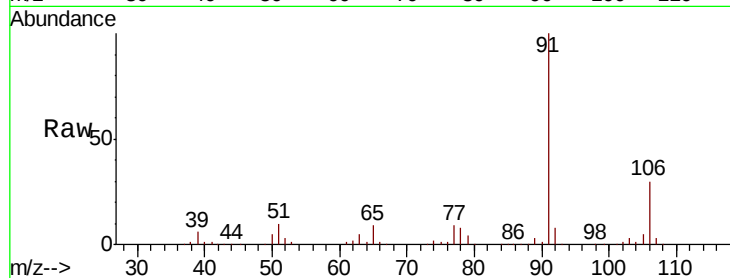
VSTD05032

Tot Ion: 91 Resp: 269966

Ion Ratio Lower Upper

91 100

106 29.7 20.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VU037561.D (-2552) (-)

Ion 106.00 (105.70 to 106.70): VU037561.D (-2552) (-)

9.59

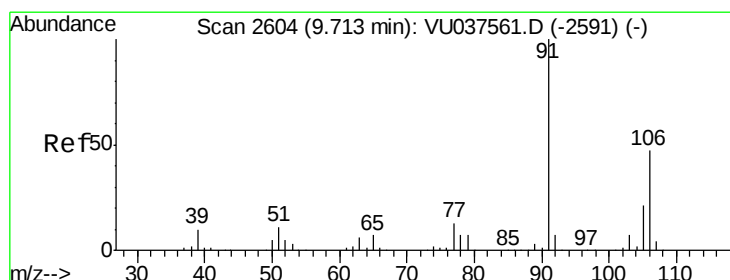
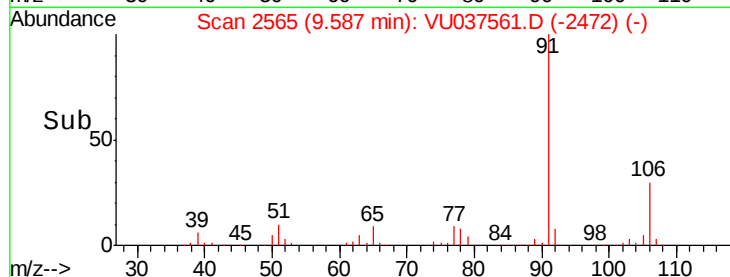
150000

100000

50000

0

Time--> 9.50 9.55 9.60 9.65



#53

m,p-Xylene

Concen: 47.777 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037561.D

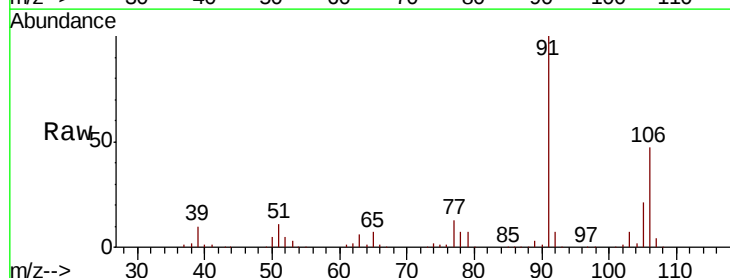
Acq: 03 Apr 2020 10:32

Tgt Ion: 106 Resp: 99679

Ion Ratio Lower Upper

106 100

91 212.6 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): VU037561.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VU037561.D (-2591) (-)

9.71

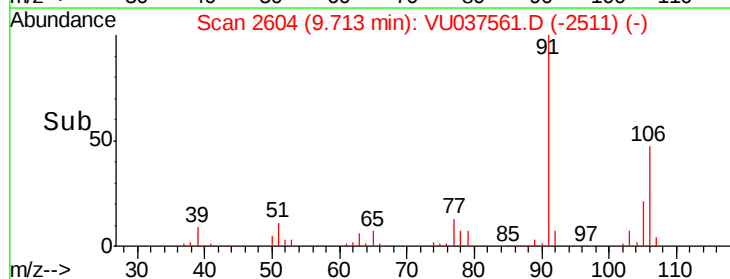
150000

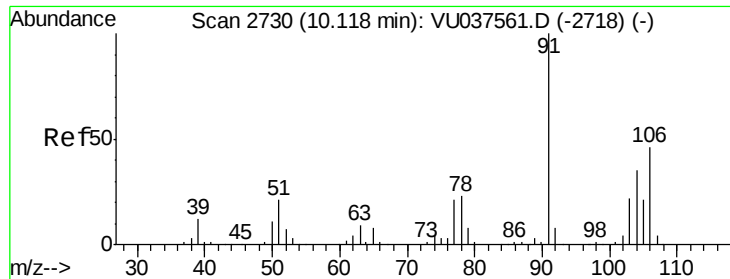
100000

50000

0

Time--> 9.65 9.70 9.75

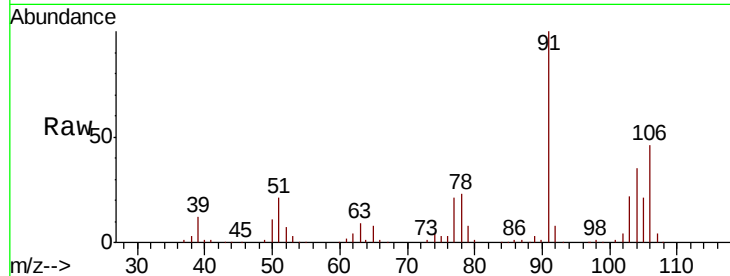




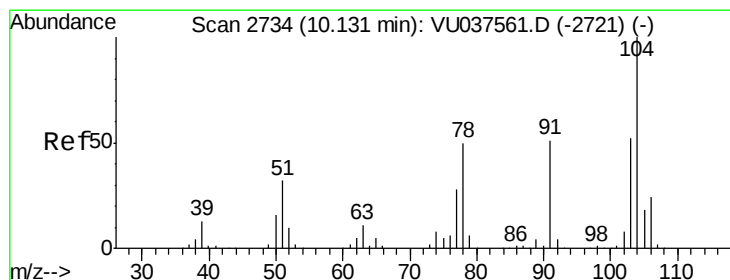
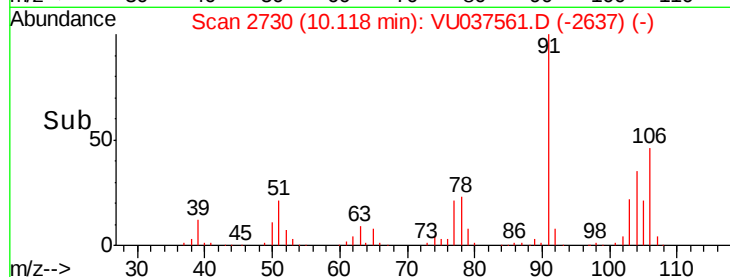
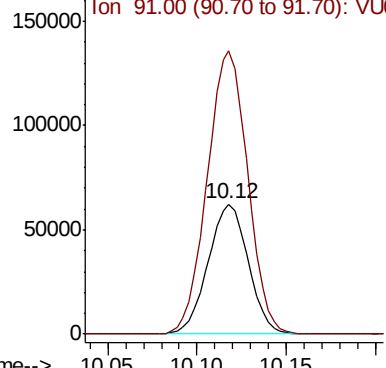
#54
o-xylene
Concen: 48.437 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037561.D
Acq: 03 Apr 2020 10:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Tot Ion:106 Resp: 97400
Ion Ratio Lower Upper
106 100
91 218.0 152.6 283.4

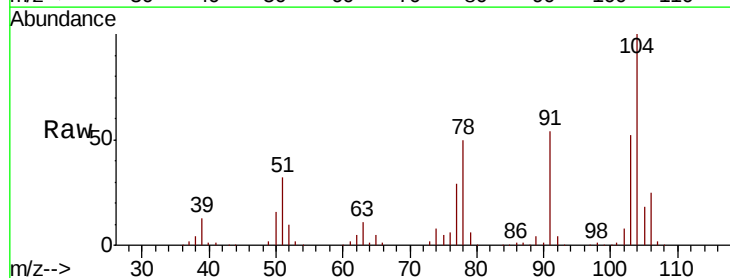


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

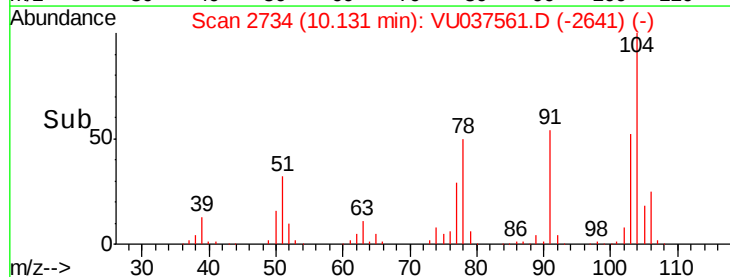
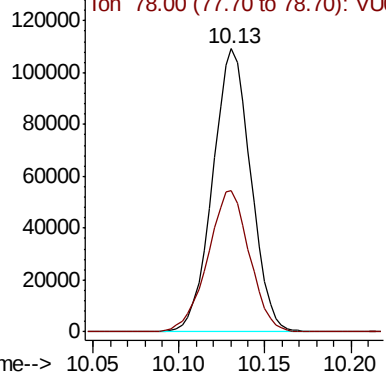


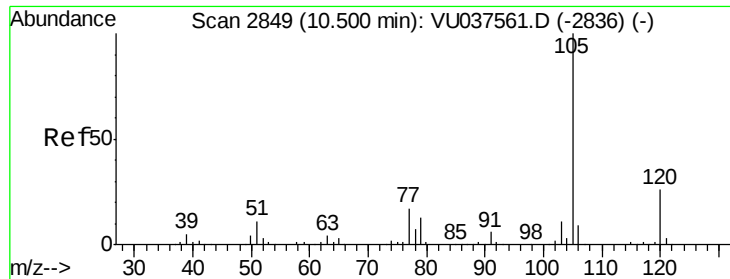
#55
Styrene
Concen: 47.293 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037561.D
Acq: 03 Apr 2020 10:32

Tgt Ion:104 Resp: 168392
Ion Ratio Lower Upper
104 100
78 49.9 34.9 64.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 48.091 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

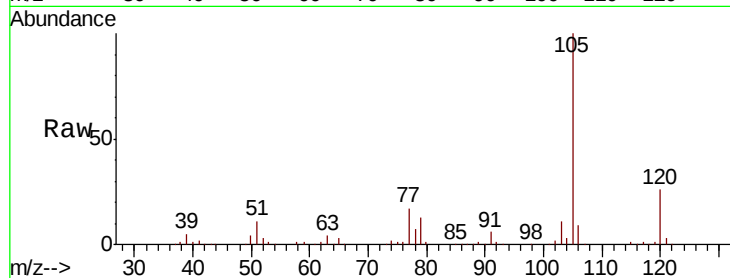
Tot Ion:105 Resp: 262197

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

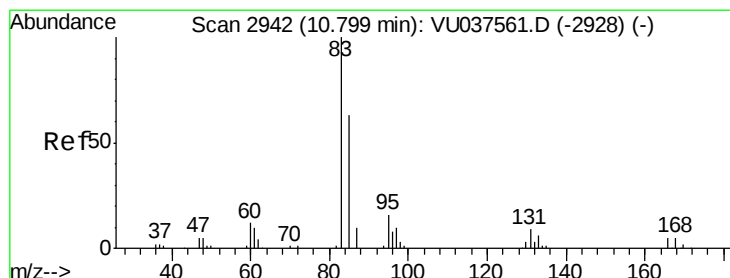
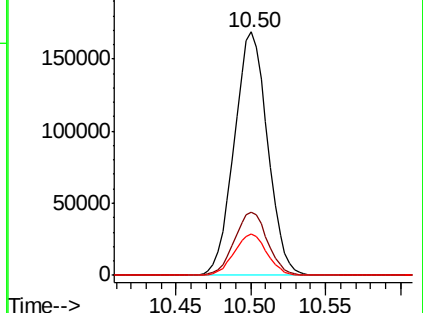
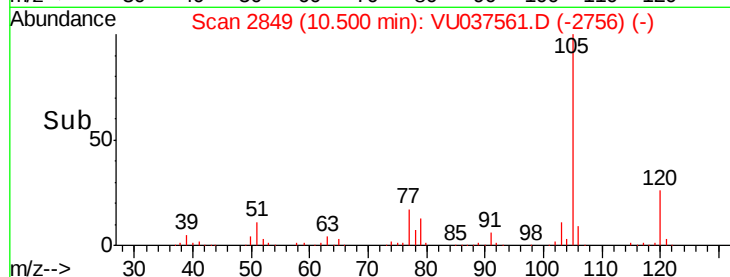
77 16.7 13.4 20.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.691 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

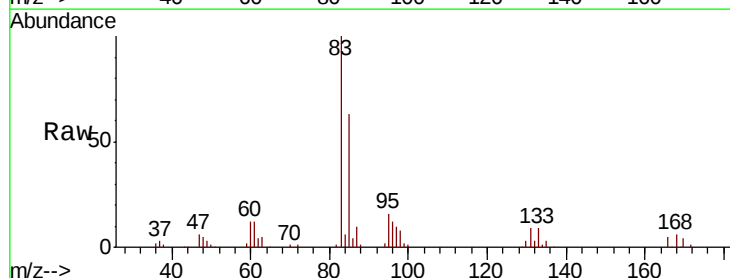
Tgt Ion: 83 Resp: 102222

Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.2

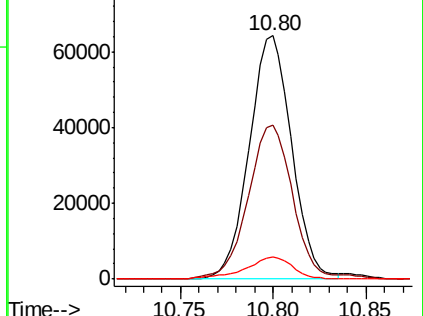
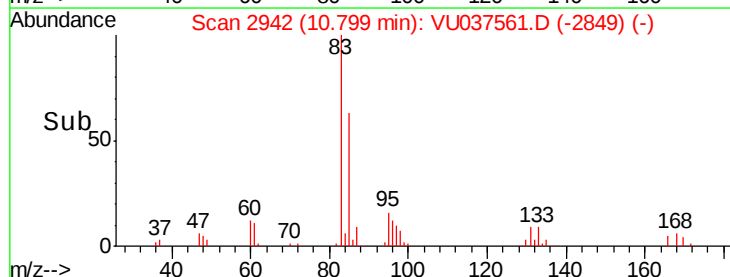
131 9.0 7.2 10.8

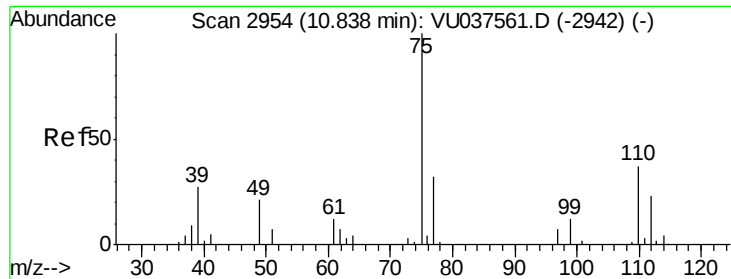


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

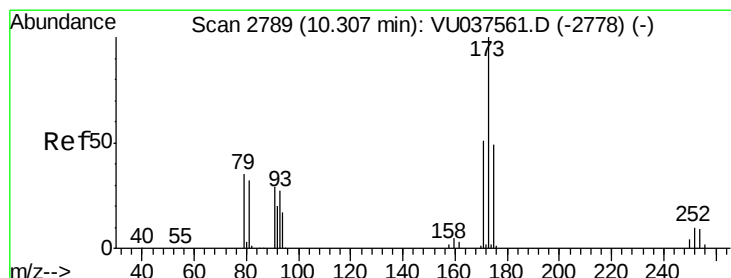
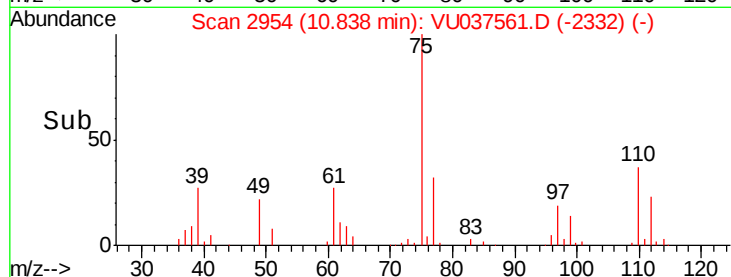
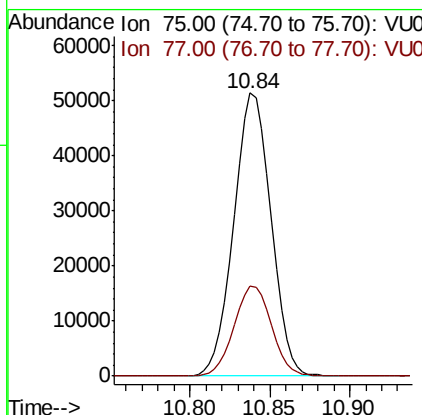
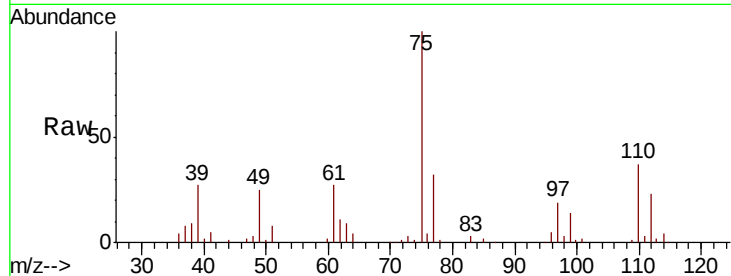




#59
 1,2,3-Trichloropropane
 Concen: 48.577 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU037561.D
 Acq: 03 Apr 2020 10:32

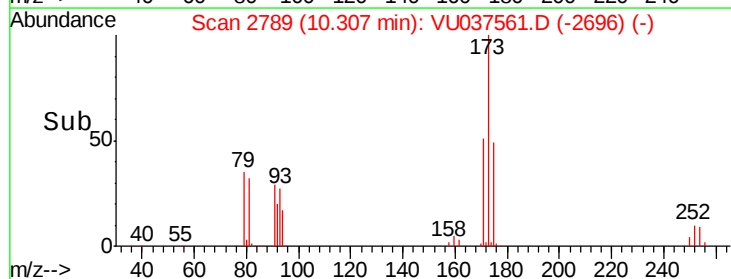
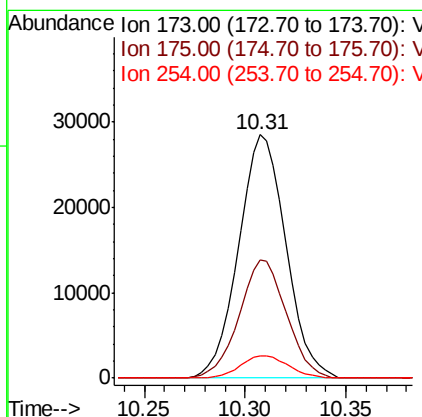
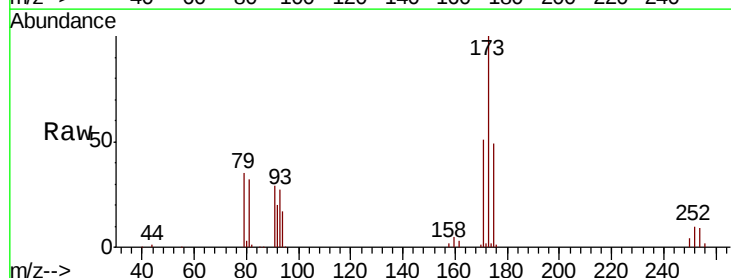
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD05032

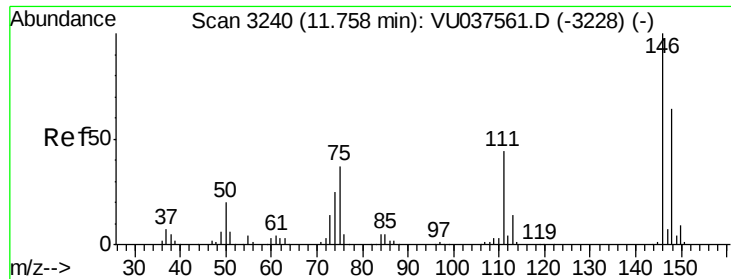
Tot Ion: 75 Resp: 81323
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3



#61
 Bromoform
 Concen: 50.048 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU037561.D
 Acq: 03 Apr 2020 10:32

Tgt Ion:173 Resp: 46773
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.6 58.0
 254 9.3 7.4 11.2

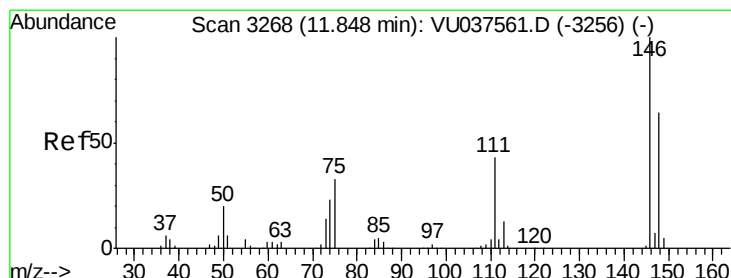
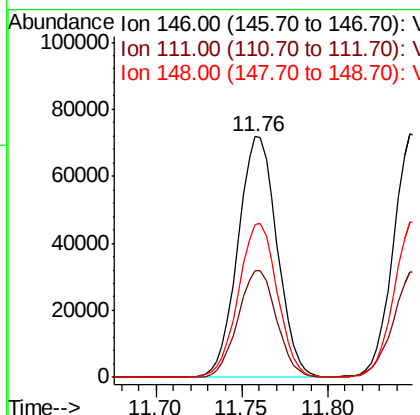
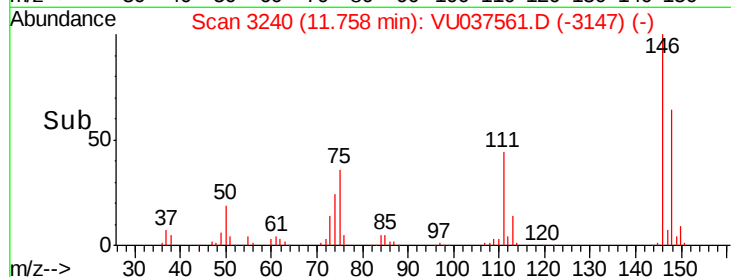
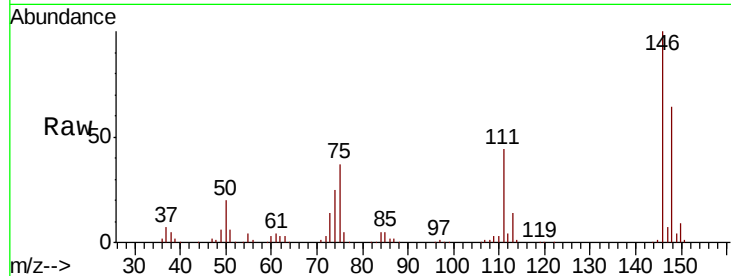




#62
 1,3-Dichlorobenzene
 Concen: 48.101 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU037561.D
 Acq: 03 Apr 2020 10:32

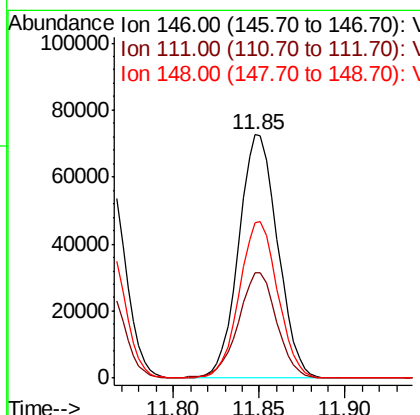
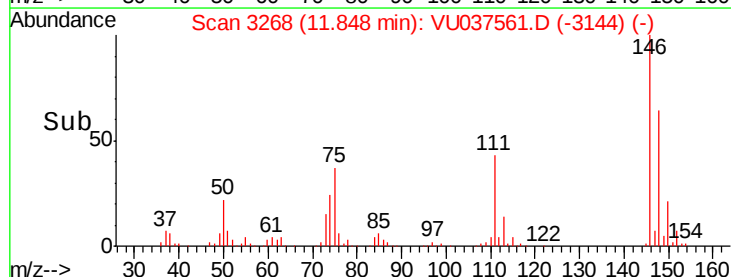
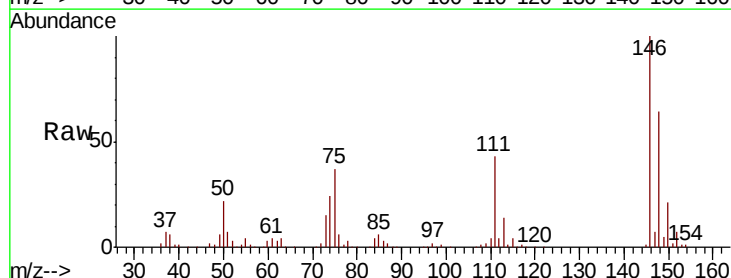
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

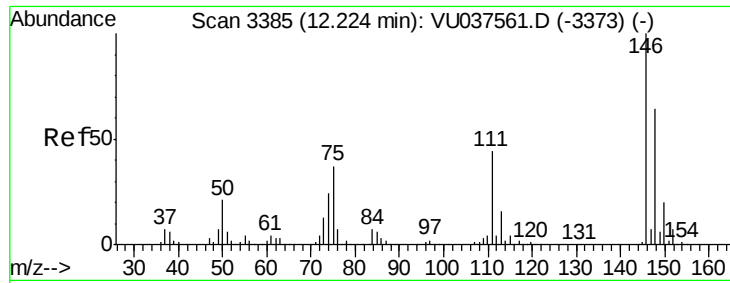
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	31.1	57.7
148	63.5	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 47.938 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU037561.D
 Acq: 03 Apr 2020 10:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	30.1	55.9
148	63.8	44.7	82.9





#65

1,2-Dichlorobenzene

Concen: 47.808 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

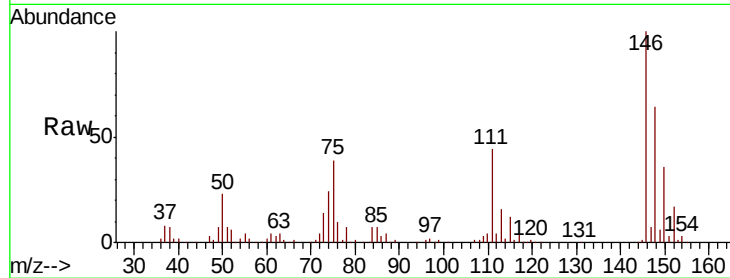
Tot Ion:146 Resp: 111743

Ion Ratio Lower Upper

146 100

111 44.5 35.6 53.4

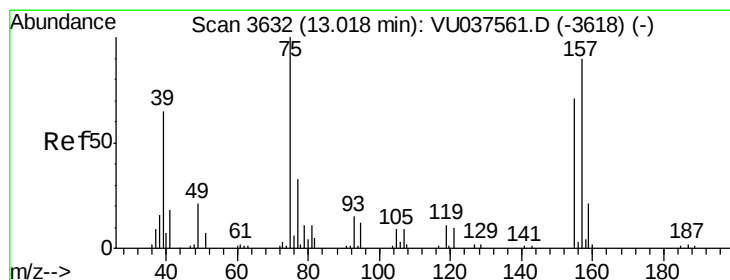
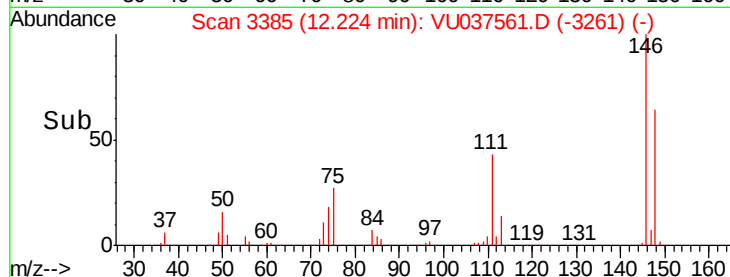
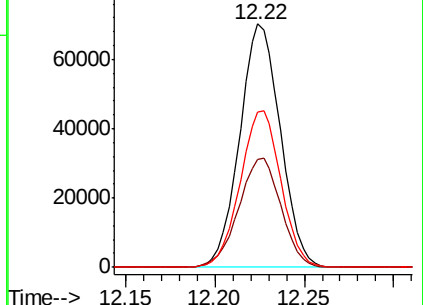
148 63.8 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): 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: 49.436 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

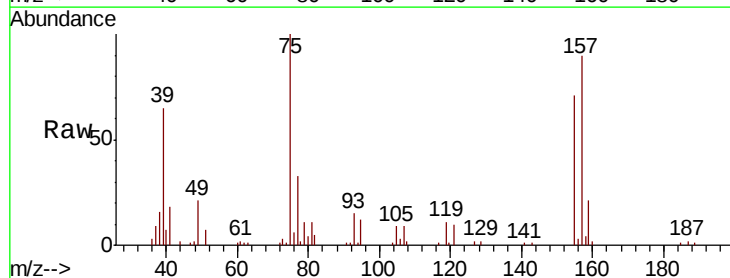
Tgt Ion: 75 Resp: 27716

Ion Ratio Lower Upper

75 100

155 70.8 56.6 85.0

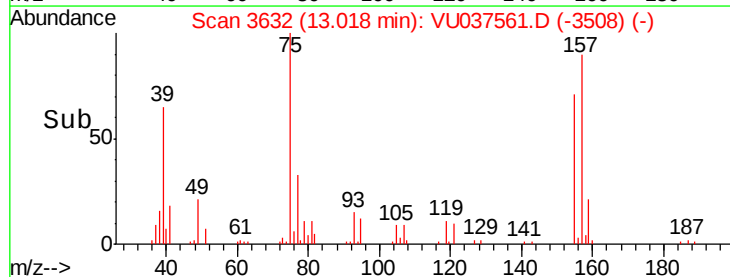
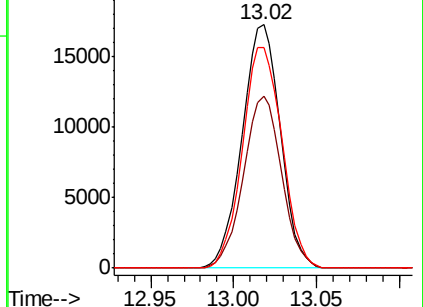
157 90.5 72.4 108.6

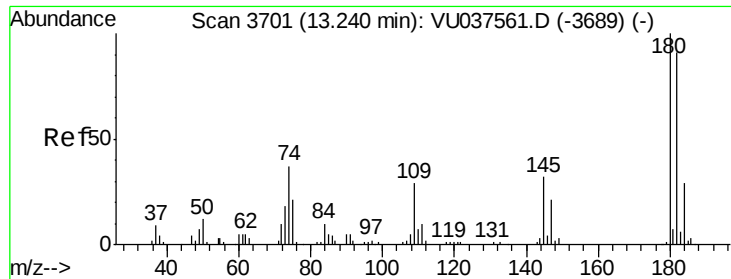


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

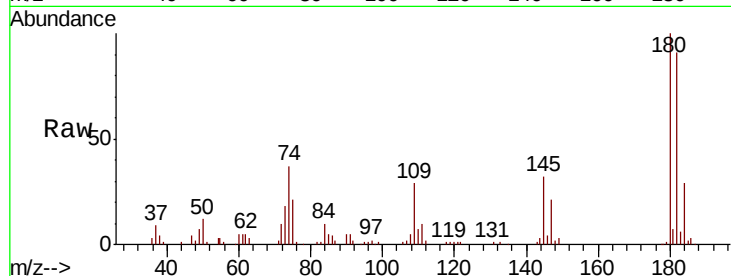




#67
 1,3,5-Trichlorobenzene
 Concen: 47.872 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037561.D
 Acq: 03 Apr 2020 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	74.9	112.3
184	29.5	23.6	35.4
145	32.1	25.7	38.5



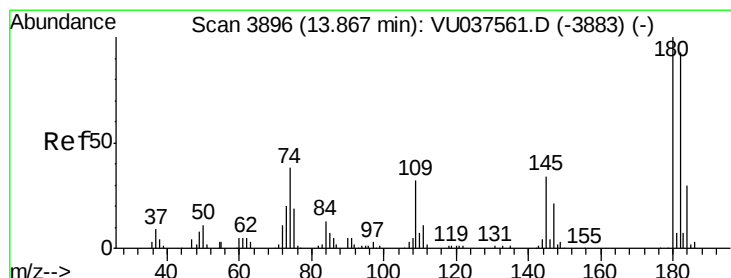
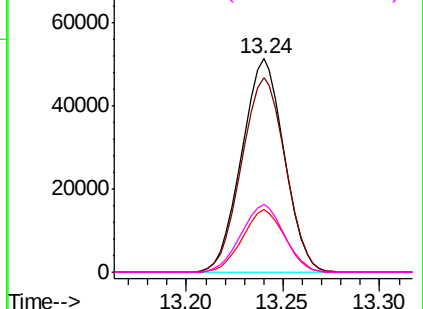
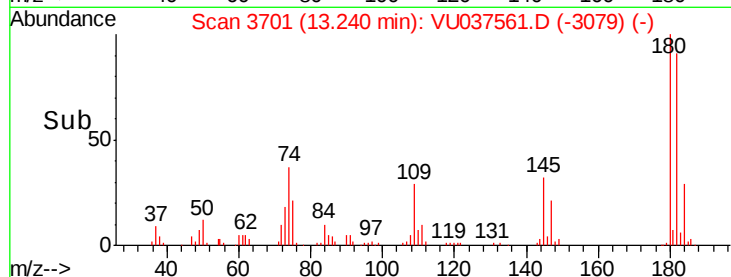
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

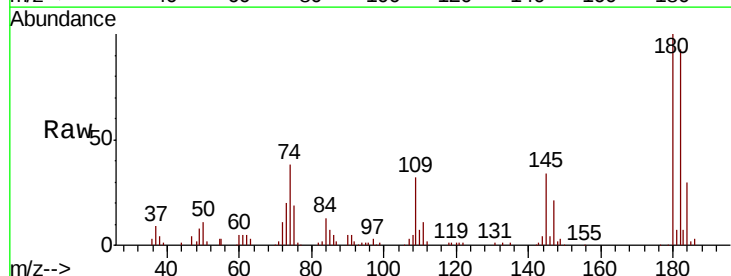
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.880 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037561.D
 Acq: 03 Apr 2020 10:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	74.4	111.6
145	33.6	26.9	40.3

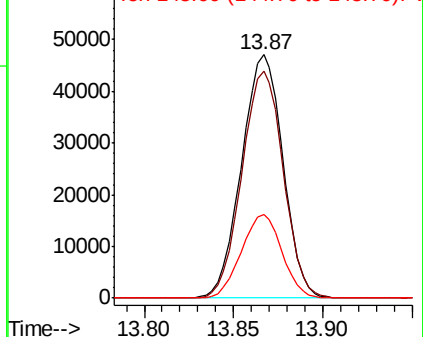
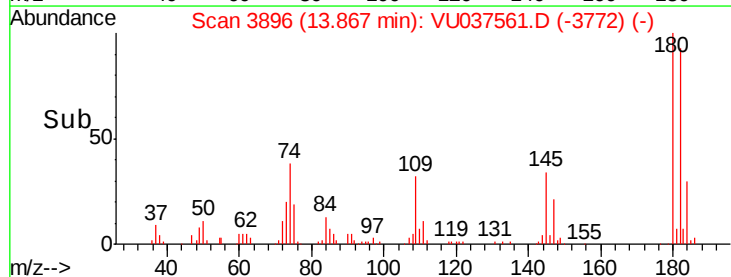


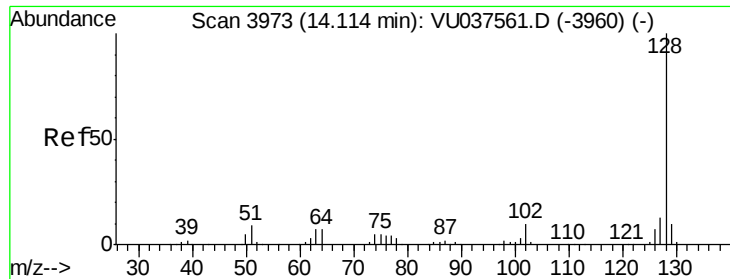
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 45.482 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

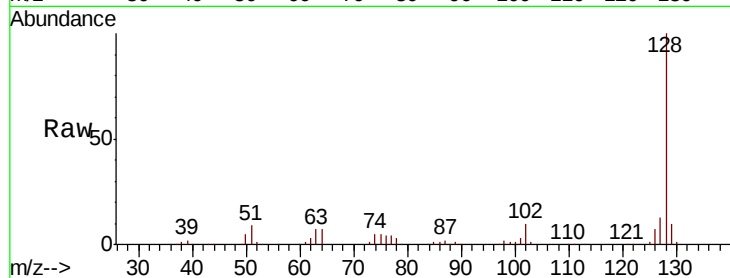
Tot Ion:128 Resp: 300979

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

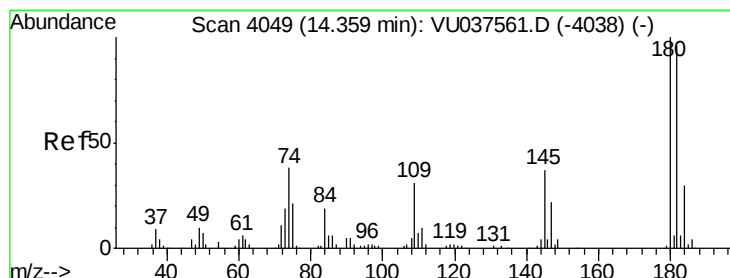
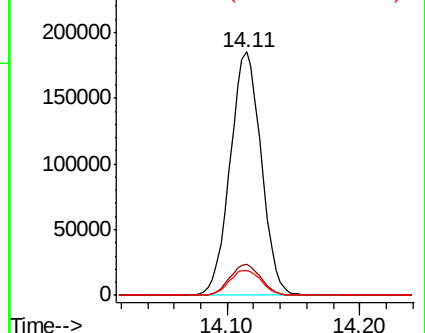
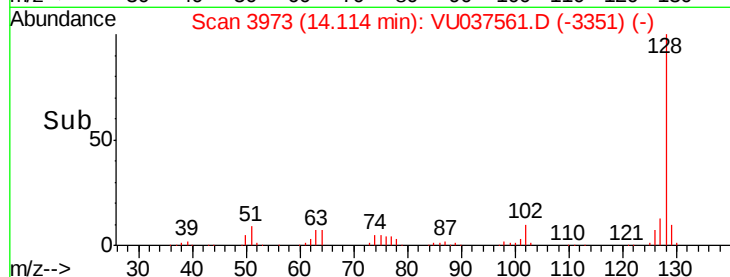
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.183 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU037561.D

Acq: 03 Apr 2020 10:32

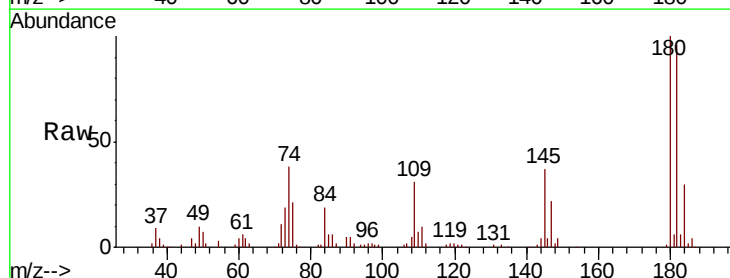
Tgt Ion:180 Resp: 76031

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 36.3 29.0 43.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

