

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120420\
 Data File : VU041462.D
 Acq On : 04 Dec 2020 10:29
 Operator : SY/MD
 Sample : VSTD00502
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Quant Time: Dec 05 04:56:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 05 04:54:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	56860	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	56369	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	31351	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15651	4.97	ug/L	0.00
7) Chloroethane-d5	1.92	69	13338	4.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	37322	4.97	ug/L	0.00
20) 2-Butanone-d5	4.66	46	59357	54.58	ug/L	0.00
24) Chloroform-d	5.08	84	43378	5.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	28601	5.25	ug/L	0.00
32) Benzene-d6	5.74	84	66716	5.18	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	19535	5.25	ug/L	0.00
41) Toluene-d8	7.90	98	64885	5.29	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	11649	5.39	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	46640	55.03	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	21217	5.12	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	27930	4.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	26018	4.549	ug/L 100
3) Chloromethane	1.53	50	16696	4.576	ug/L 100
5) Vinyl chloride	1.61	62	19884	4.826	ug/L 100
6) Bromomethane	1.87	94	13968	4.932	ug/L 100
8) Chloroethane	1.94	64	12421	4.451	ug/L 100
9) Trichlorofluoromethane	2.15	101	45455	4.951	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	19546	5.087	ug/L 100
12) 1,1-Dichloroethene	2.59	96	17717	5.222	ug/L 100
13) Acetone	2.66	43	42829	50.706	ug/L 100
14) Carbon disulfide	2.81	76	52646	5.489	ug/L 100
15) Methyl Acetate	2.97	43	8400	4.802	ug/L 100
16) Methylene chloride	3.06	84	19819	4.059	ug/L 100
17) Methyl tert-butyl Ether	3.38	73	53826	5.031	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	17984	5.081	ug/L 100
19) 1,1-Dichloroethane	3.89	63	33138	4.881	ug/L 100
21) 2-Butanone	4.73	43	52706	47.466	ug/L 100
22) cis-1,2-Dichloroethene	4.69	96	19721	5.062	ug/L 100
23) Bromochloromethane	4.99	128	10473	5.250	ug/L 100
25) Chloroform	5.11	83	41114	4.878	ug/L 100
27) 1,2-Dichloroethane	5.81	62	33807	5.175	ug/L 100
29) 1,1,1-Trichloroethane	5.33	97	41476	4.930	ug/L 100
30) Cyclohexane	5.40	56	26730	5.260	ug/L 100
31) Carbon tetrachloride	5.54	117	37762	4.980	ug/L 100
33) Benzene	5.79	78	72435	4.937	ug/L 100
34) Trichloroethene	6.55	95	21398	4.938	ug/L 100
35) Methylcyclohexane	6.77	83	30469	5.322	ug/L 100
37) 1,2-Dichloropropane	6.80	63	16983	4.626	ug/L 100
38) Bromodichloromethane	7.11	83	30991	4.913	ug/L 100
39) cis-1,3-Dichloropropene	7.61	75	30007	5.001	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	134959	50.119	ug/L 100

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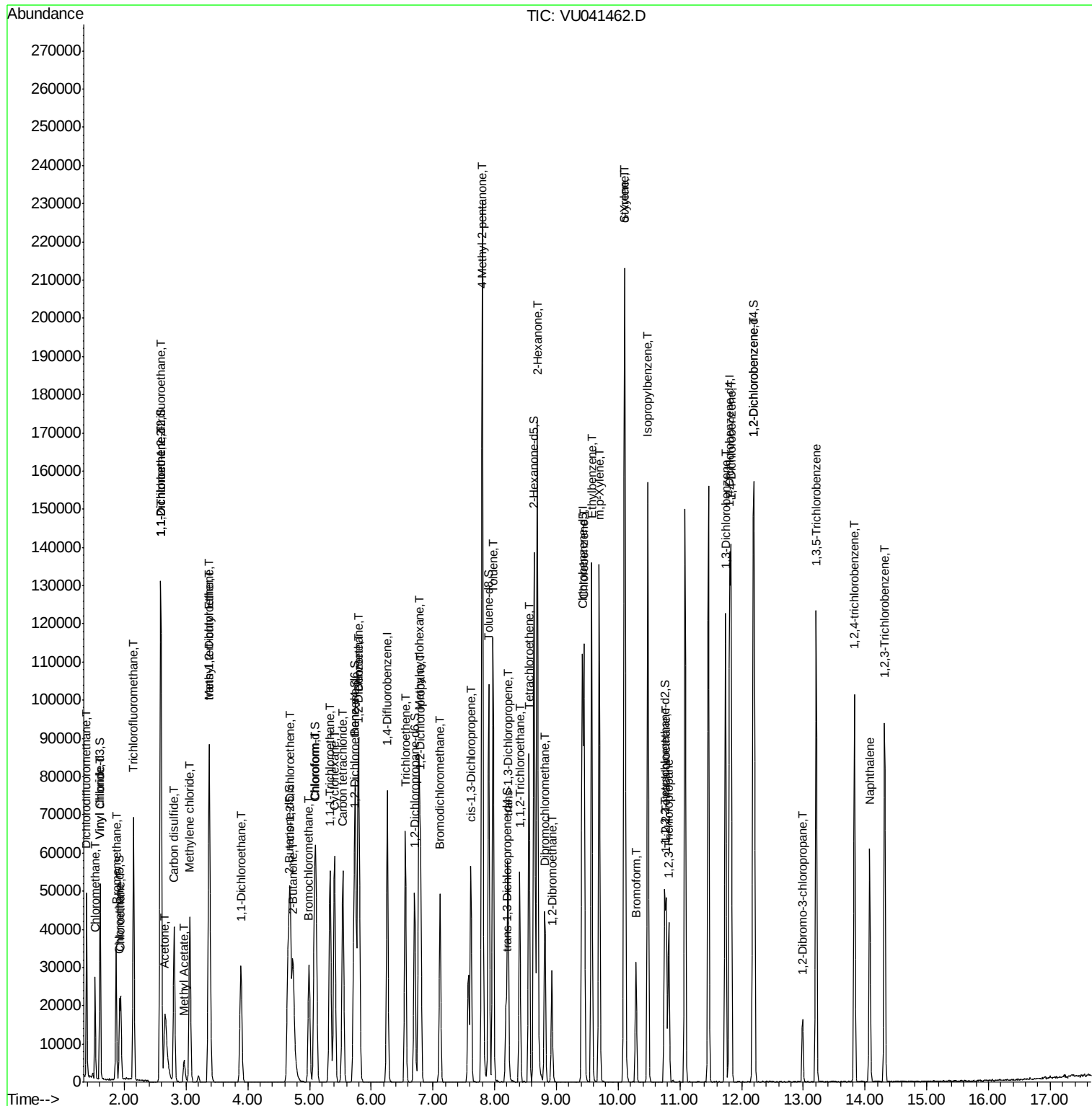
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	81424	5.056	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	31932	5.100	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	16144	5.076	ug/L	100
47) Tetrachloroethene	8.56	164	18448	5.640	ug/L	100
48) 2-Hexanone	8.69	43	107172	51.680	ug/L	100
49) Dibromochloromethane	8.81	129	22726	5.129	ug/L	100
50) 1,2-Dibromoethane	8.93	107	16360	5.220	ug/L	100
51) Chlorobenzene	9.45	112	55186	5.035	ug/L	100
52) Ethylbenzene	9.57	91	92642	4.938	ug/L	100
53) m,p-Xylene	9.69	106	34400	5.007	ug/L	100
54) o-Xylene	10.10	106	32942	5.095	ug/L	100
55) Styrene	10.11	104	58019	4.997	ug/L	100
56) Isopropylbenzene	10.48	105	93389	5.017	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	20014	4.968	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	16358	4.878	ug/L	100
61) Bromoform	10.29	173	13434	4.837	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	45981	4.830	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	45890	4.790	ug/L	100
65) 1,2-Dichlorobenzene	12.20	146	44478	4.784	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	4562	5.000	ug/L	100
67) 1,3,5-Trichlorobenzene	13.21	180	35795	4.860	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	28819	4.835	ug/L	100
69) Naphthalene	14.08	128	46706	4.717	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	25999	4.706	ug/L	100

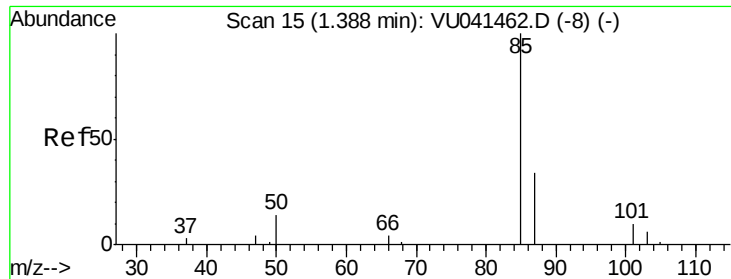
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.549 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

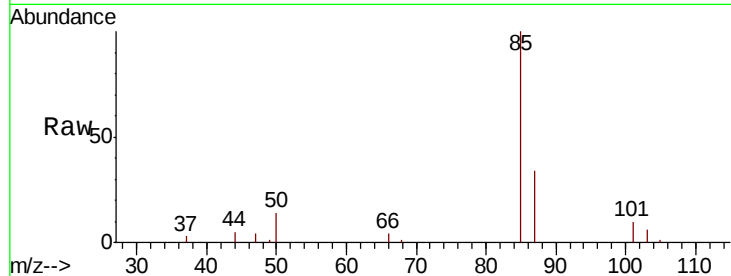
VSTD00502

Tot Ion: 85 Resp: 26018

Ion Ratio Lower Upper

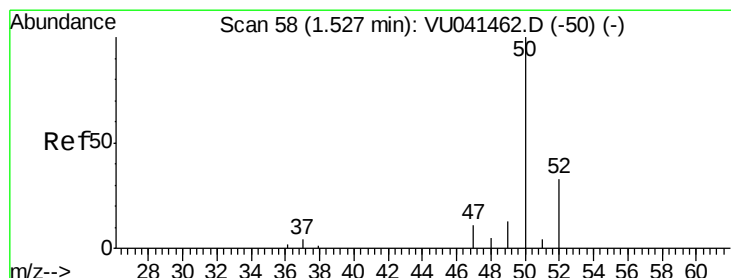
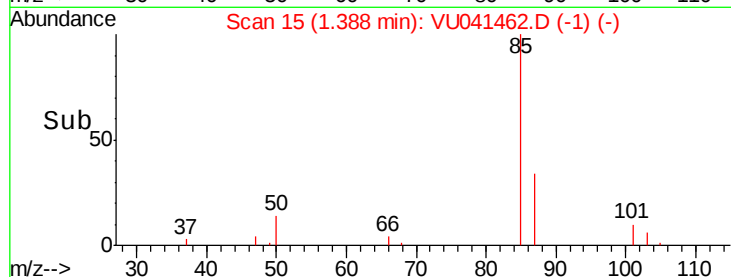
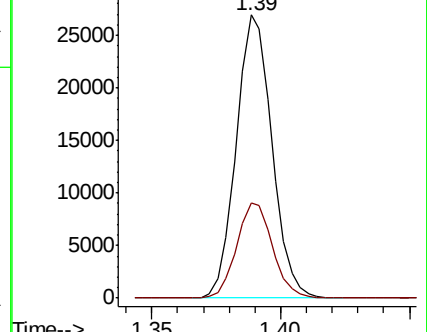
85 100

87 33.6 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VU041462.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU041462.D (-8) (-)



#3

Chloromethane

Concen: 4.576 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041462.D

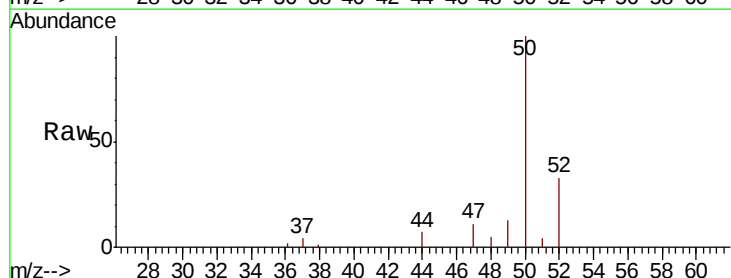
Acq: 04 Dec 2020 10:29

Tgt Ion: 50 Resp: 16696

Ion Ratio Lower Upper

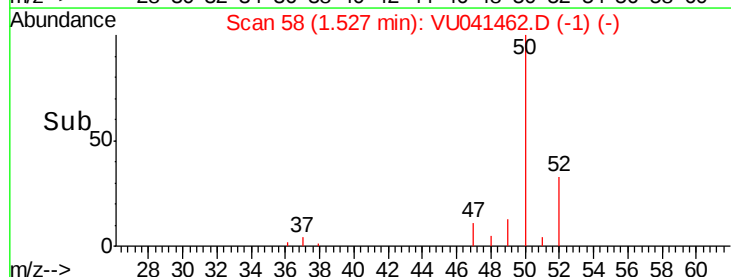
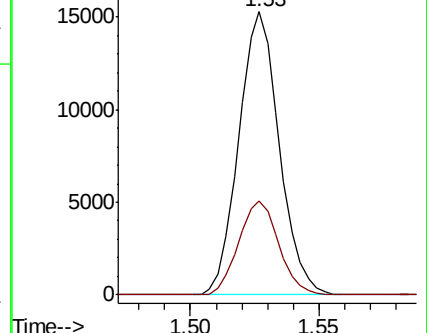
50 100

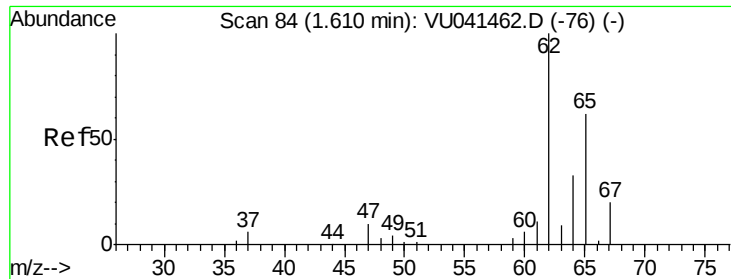
52 33.3 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU041462.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU041462.D (-50) (-)





#5

Vinyl chloride

Concen: 4.826 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

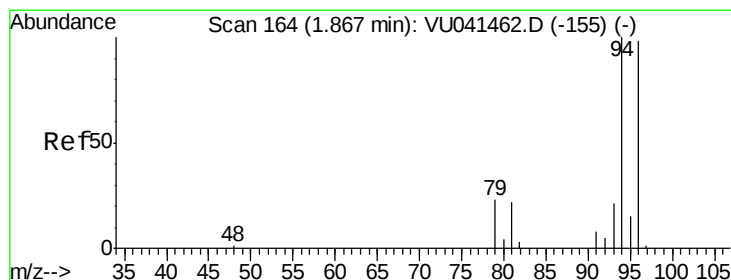
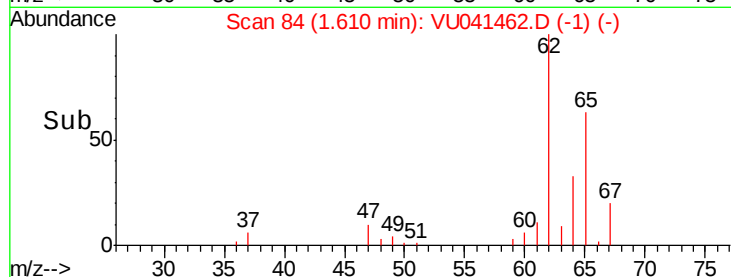
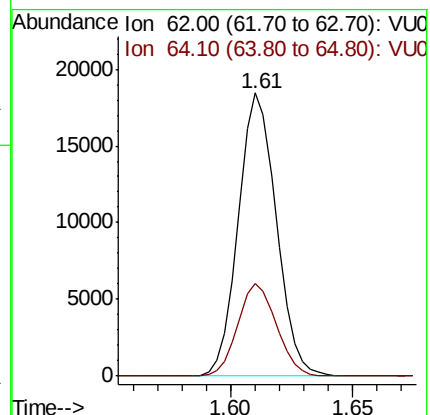
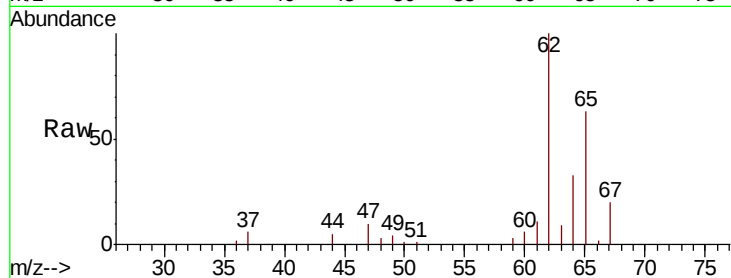
VSTD00502

Tot Ion: 62 Resp: 19884

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



#6

Bromomethane

Concen: 4.932 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041462.D

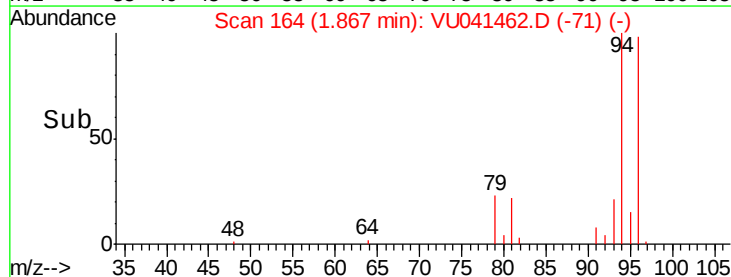
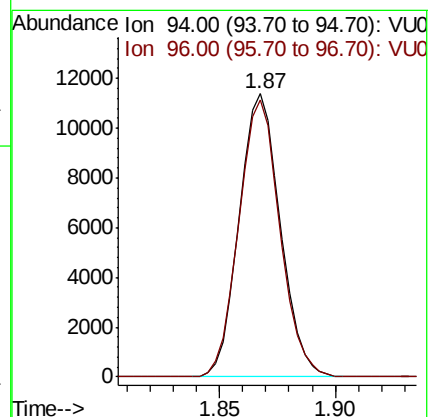
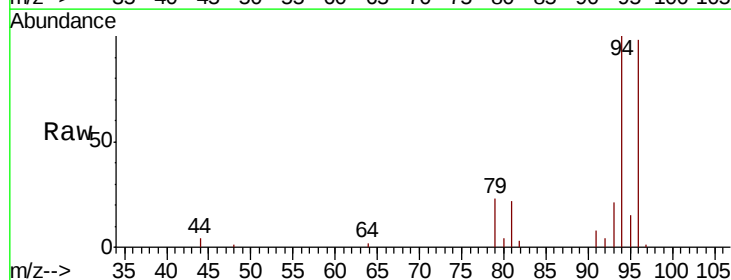
Acq: 04 Dec 2020 10:29

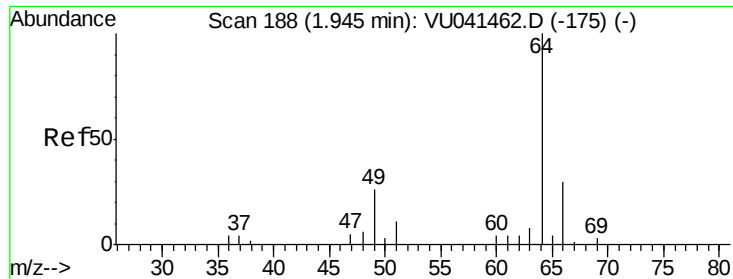
Tgt Ion: 94 Resp: 13968

Ion Ratio Lower Upper

94 100

96 97.8 68.5 127.1

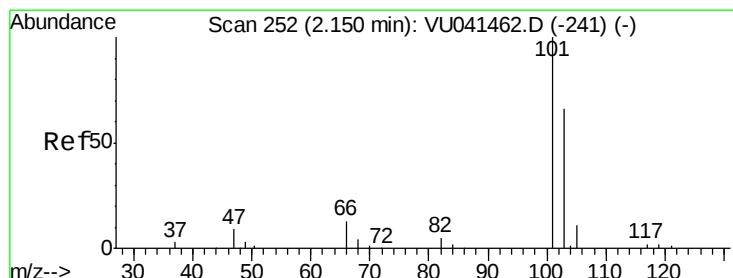
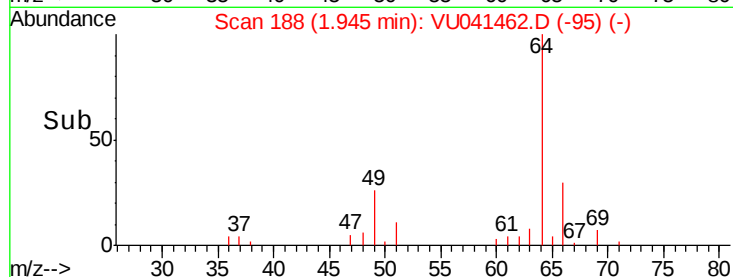
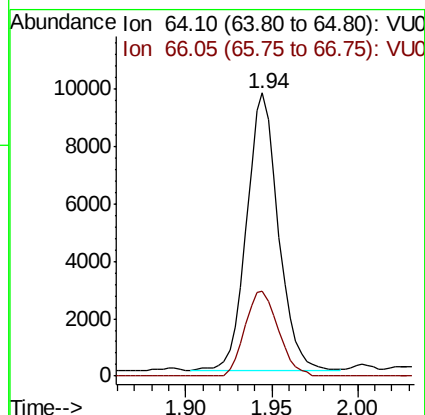
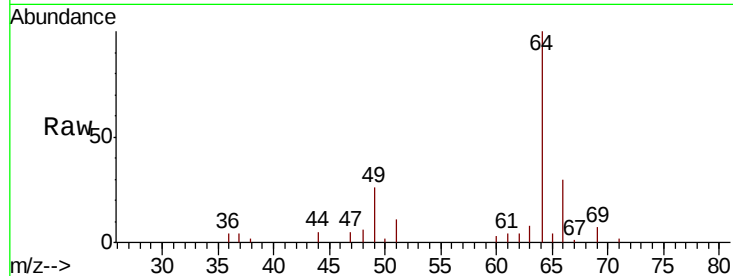




#8
Chloroethane
Concen: 4.451 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

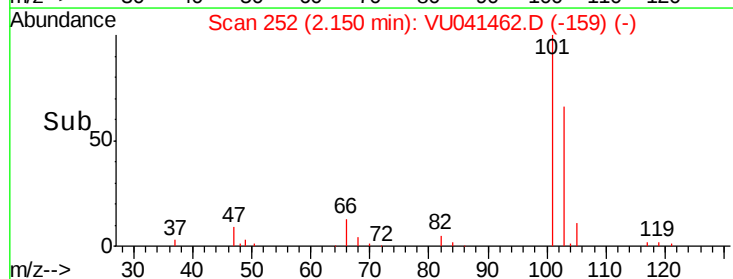
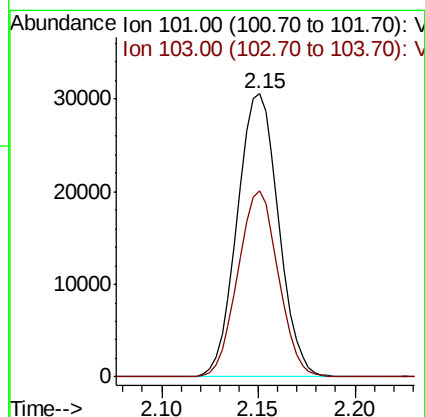
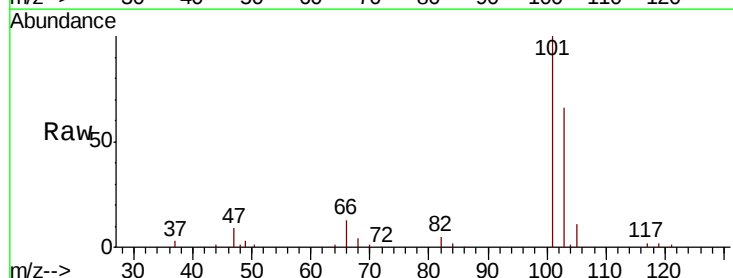
Instrument :
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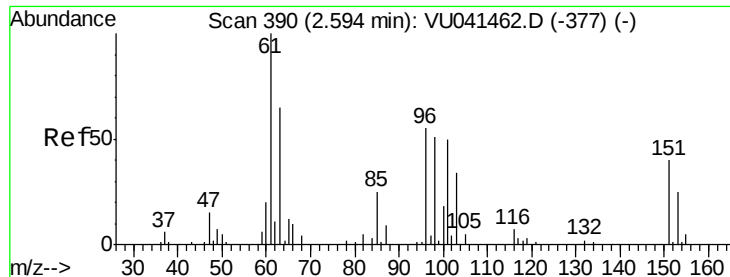
Tot Ion: 64 Resp: 12421
Ion Ratio Lower Upper
64 100
66 29.9 20.9 38.9



#9
Trichlorofluoromethane
Concen: 4.951 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

Tgt Ion:101 Resp: 45455
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.0





#10

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

Concen: 5.087 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

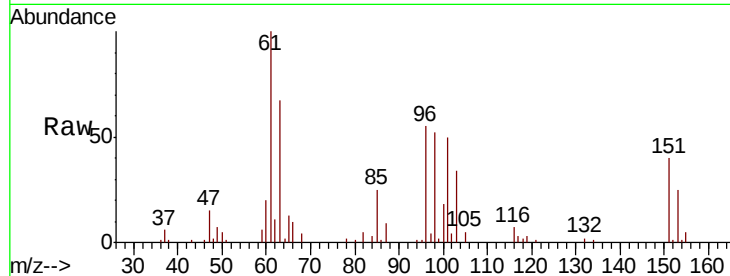
Tot Ion:101 Resp: 19546

Ion Ratio Lower Upper

101 100

85 49.3 39.4 59.2

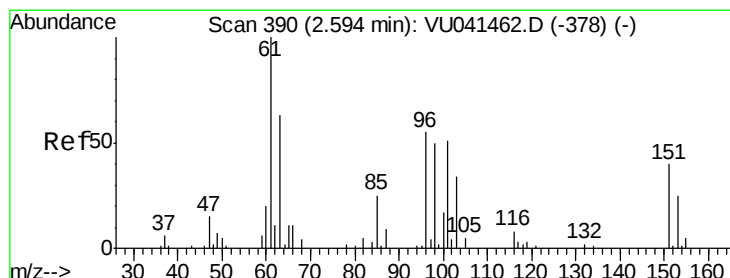
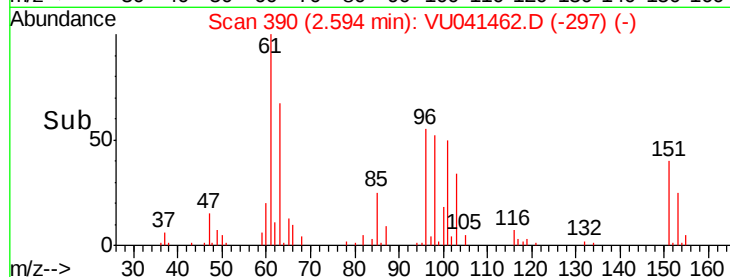
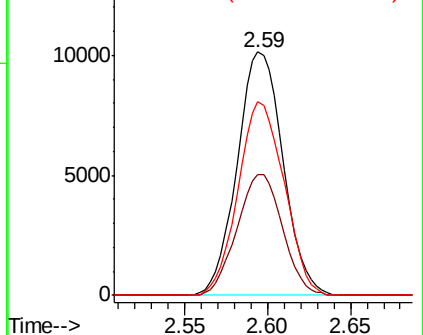
151 79.8 63.8 95.8



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: 5.222 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

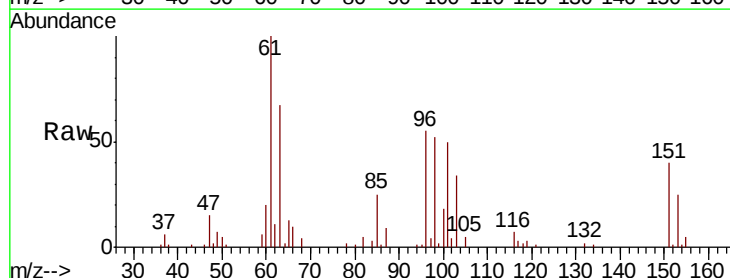
Tgt Ion: 96 Resp: 17717

Ion Ratio Lower Upper

96 100

61 182.6 127.8 237.4

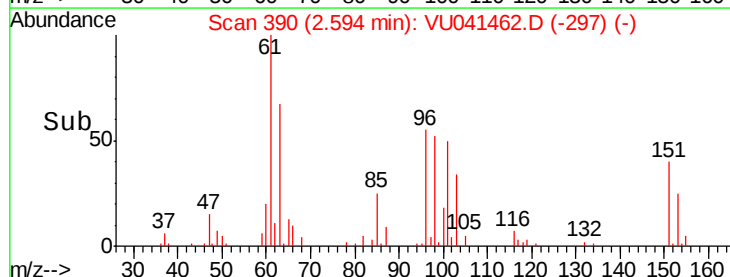
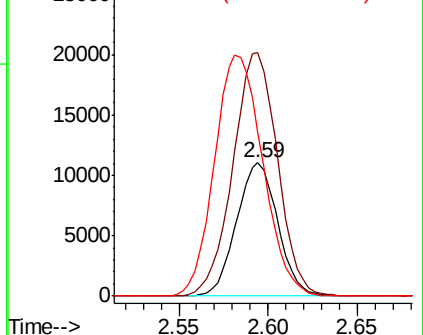
63 123.1 86.2 160.0

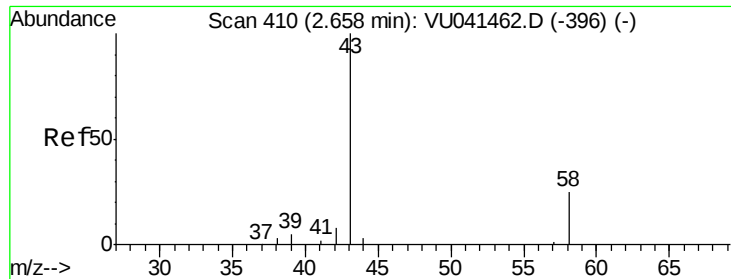


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

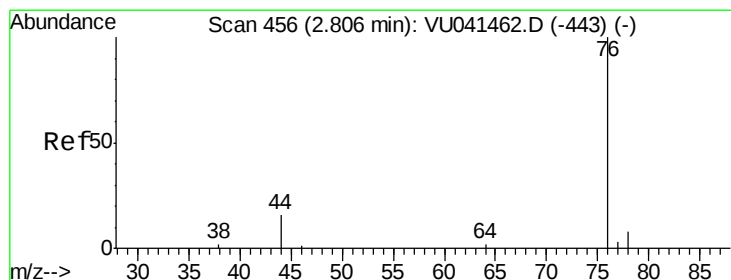
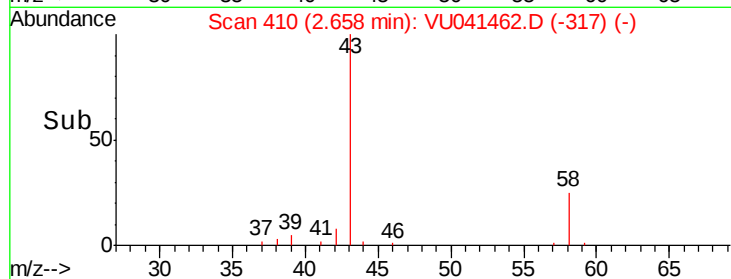
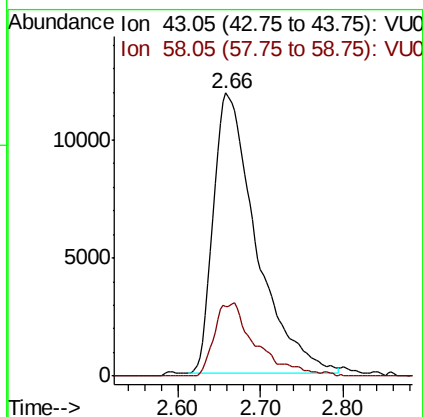
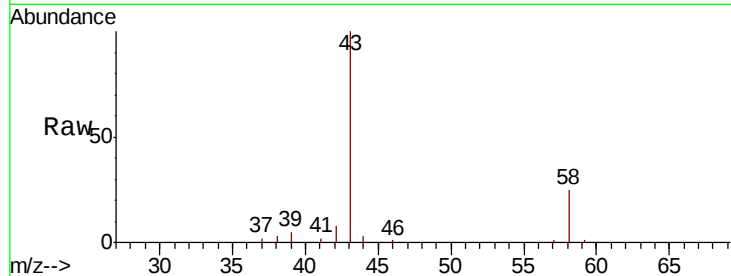




#13
Acetone
Concen: 50.706 ug/L
RT: 2.66 min Scan# 410
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

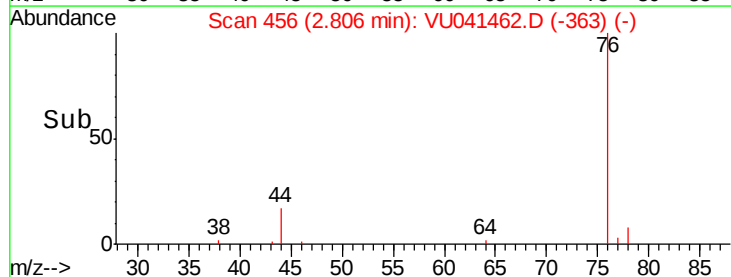
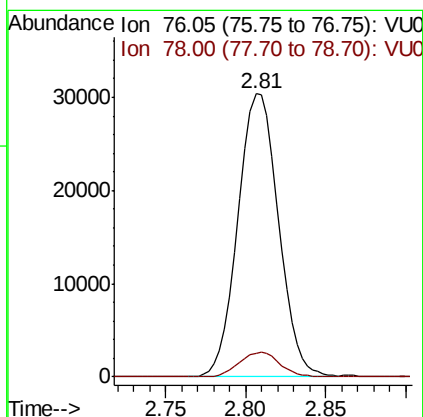
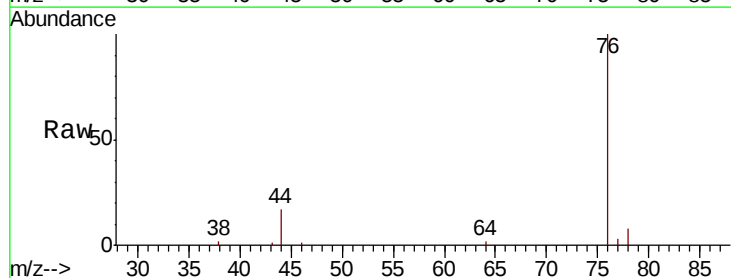
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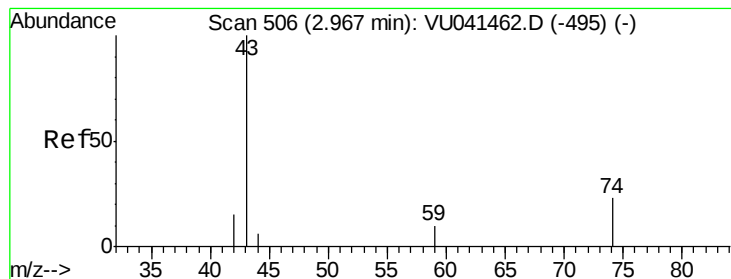
Tot Ion: 43 Resp: 42829
Ion Ratio Lower Upper
43 100
58 25.0 0.0 50.0



#14
Carbon disulfide
Concen: 5.489 ug/L
RT: 2.81 min Scan# 456
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

Tgt Ion: 76 Resp: 52646
Ion Ratio Lower Upper
76 100
78 8.5 6.8 10.2





#15

Methyl Acetate

Concen: 4.802 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

Instrument :

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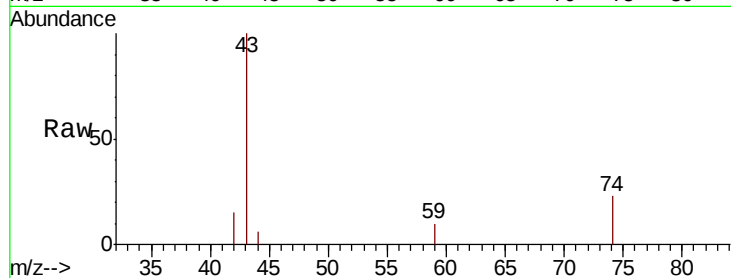
VSTD00502

Tot Ion: 43 Resp: 8400

Ion Ratio Lower Upper

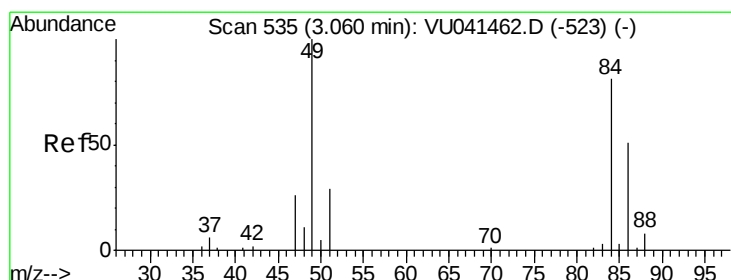
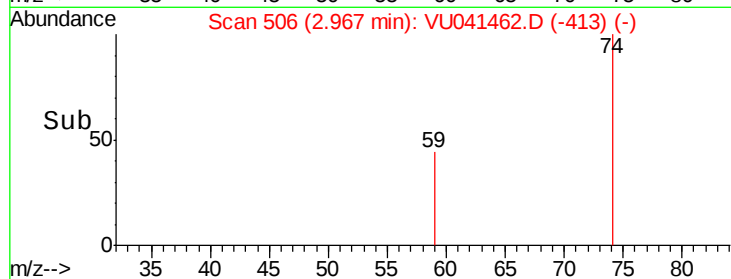
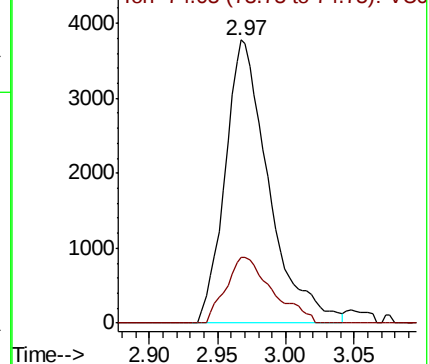
43 100

74 24.6 19.7 29.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.059 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

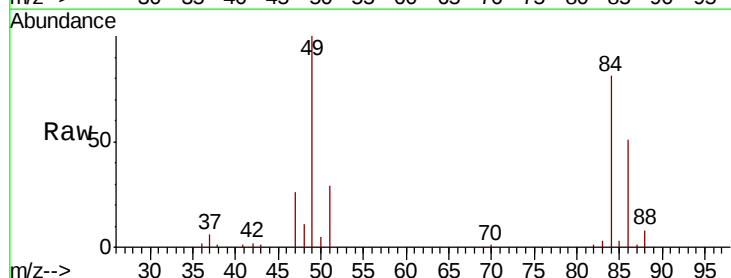
Tgt Ion: 84 Resp: 19819

Ion Ratio Lower Upper

84 100

86 63.0 44.1 81.9

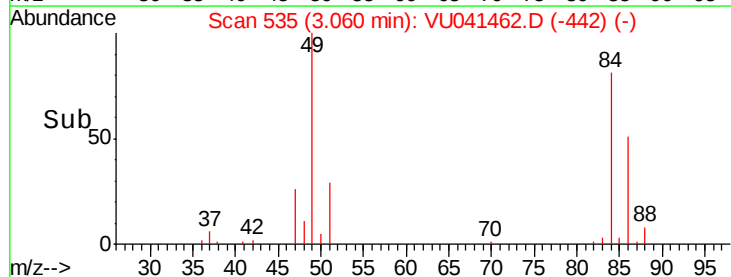
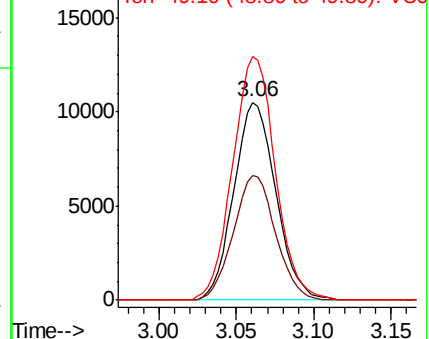
49 123.0 86.1 159.9

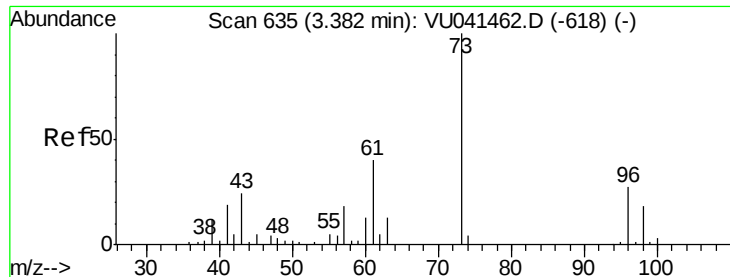


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

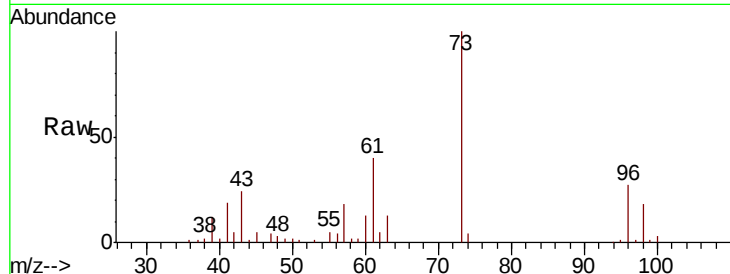




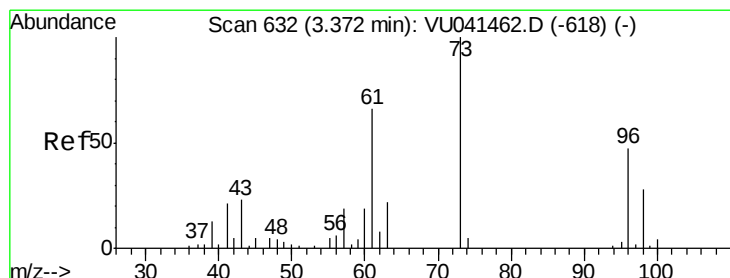
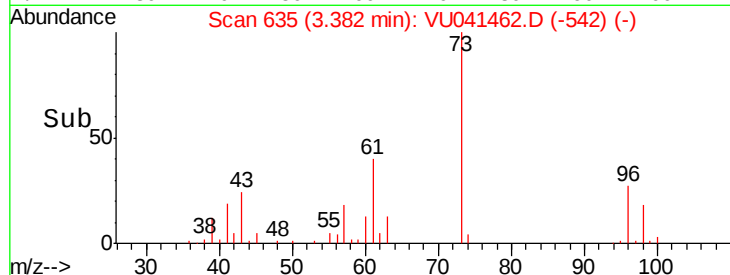
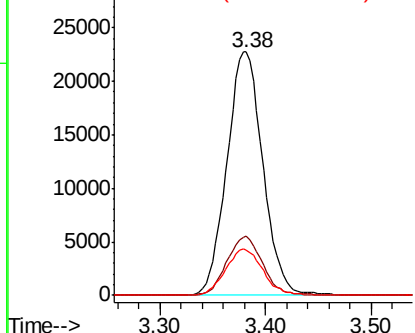
#17
Methvl tert-butvl Ether
Concen: 5.031 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Tot Ion: 73 Resp: 53826
Ion Ratio Lower Upper
73 100
43 23.9 19.1 28.7
57 19.4 15.5 23.3

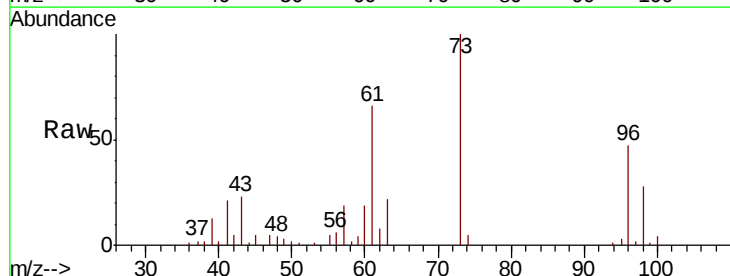


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

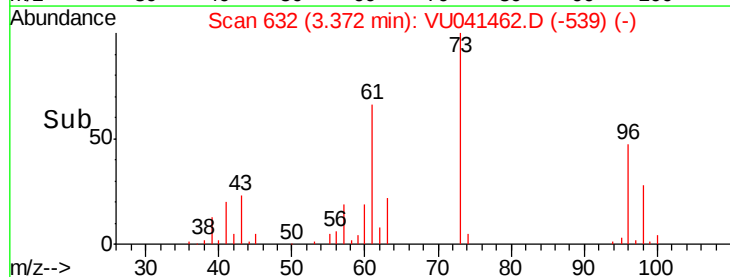
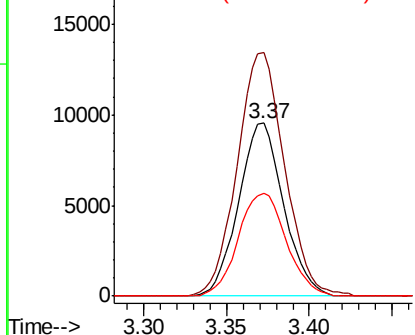


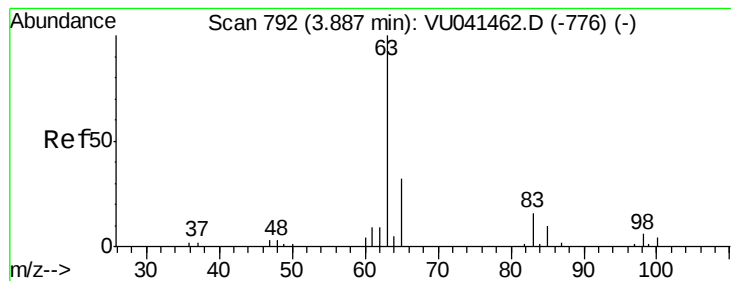
#18
trans-1,2-Dichloroethene
Concen: 5.081 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

Tgt Ion: 96 Resp: 17984
Ion Ratio Lower Upper
96 100
61 141.1 98.8 183.4
98 59.6 41.7 77.5



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: 4.881 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

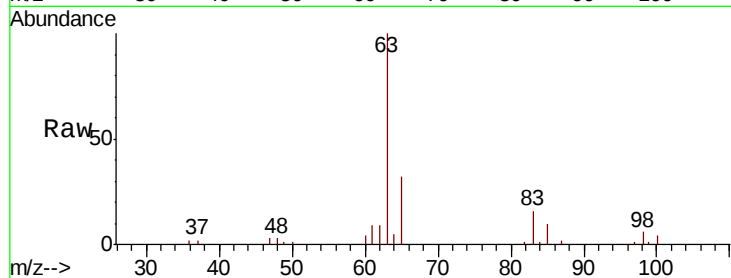
Tot Ion: 63 Resp: 33138

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.5

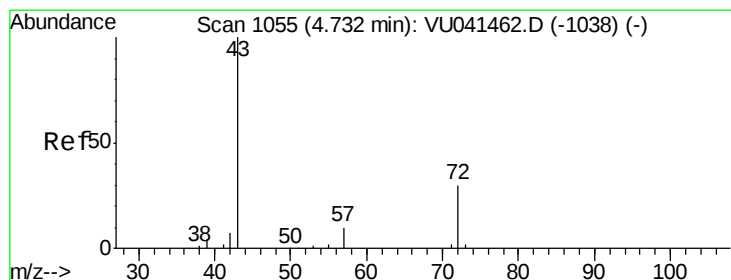
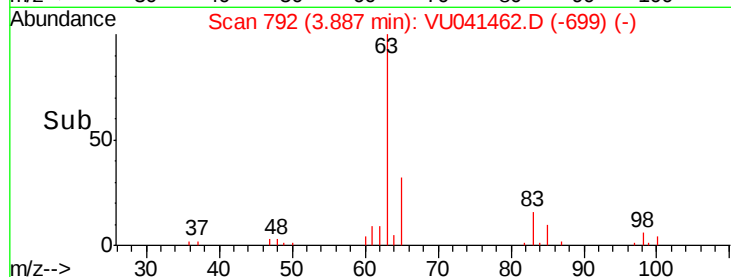
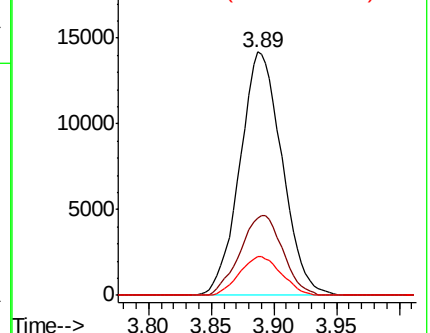
83 15.9 11.1 20.7



Abundance Ion 63.10 (62.80 to 63.80): VU041462.D (-776) (-)

Ion 65.10 (64.80 to 65.80): VU041462.D (-776) (-)

Ion 83.05 (82.75 to 83.75): VU041462.D (-776) (-)



#21

2-Butanone

Concen: 47.466 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU041462.D

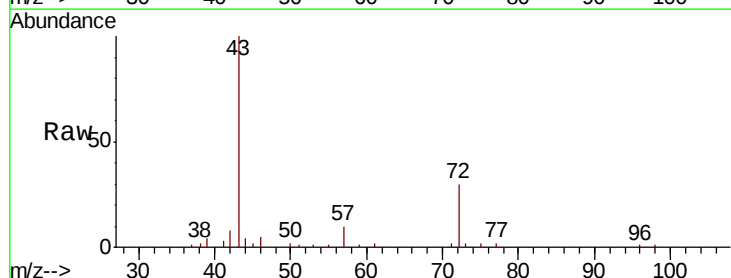
Acq: 04 Dec 2020 10:29

Tgt Ion: 43 Resp: 52706

Ion Ratio Lower Upper

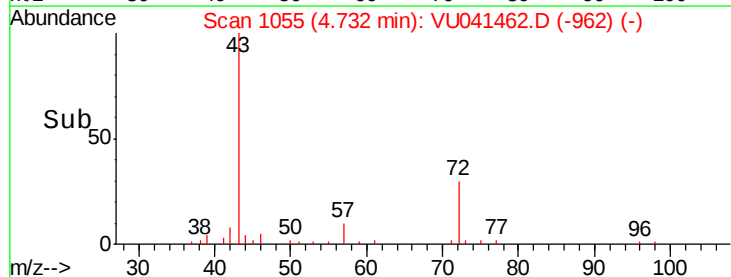
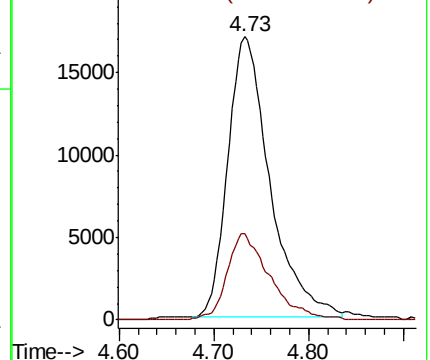
43 100

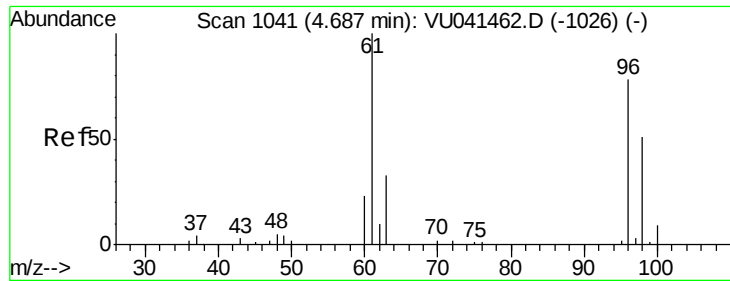
72 31.4 15.7 47.1



Abundance Ion 43.05 (42.75 to 43.75): VU041462.D (-1038) (-)

Ion 72.10 (71.80 to 72.80): VU041462.D (-1038) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.062 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

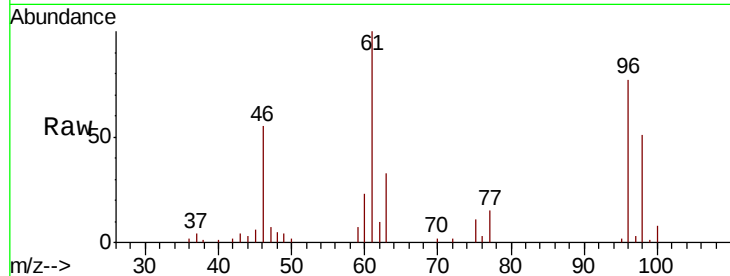
Tot Ion: 96 Resp: 19721

Ion Ratio Lower Upper

96 100

61 129.3 90.5 168.1

68 0.0 0.0 0.0

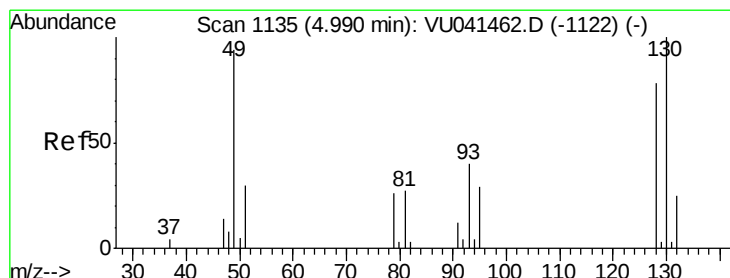
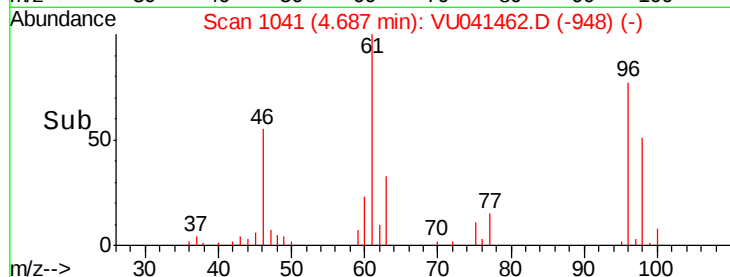
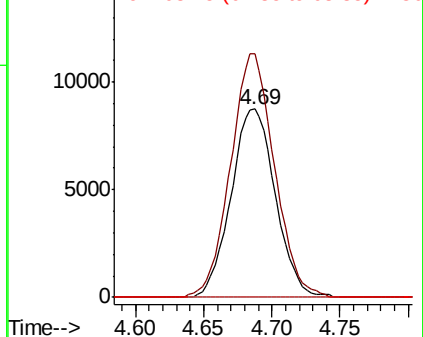


Abundance

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: 5.250 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

Tgt Ion: 128 Resp: 10473

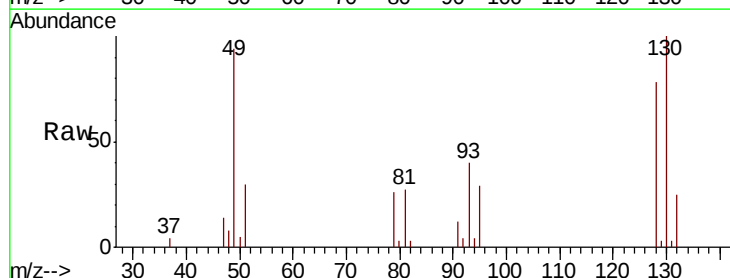
Ion Ratio Lower Upper

128 100

49 120.3 84.2 156.4

130 128.5 89.9 167.0

51 38.0 30.4 45.6



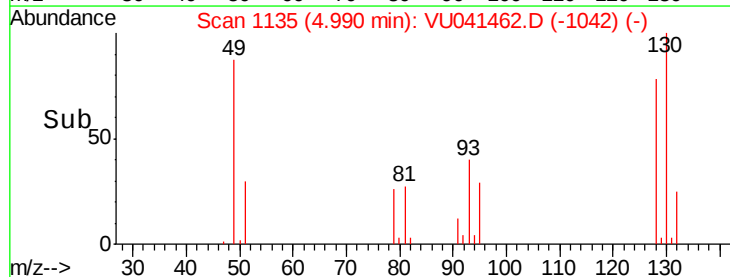
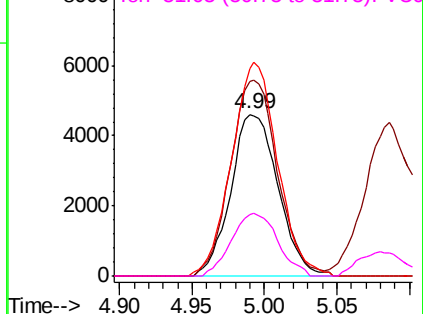
Abundance

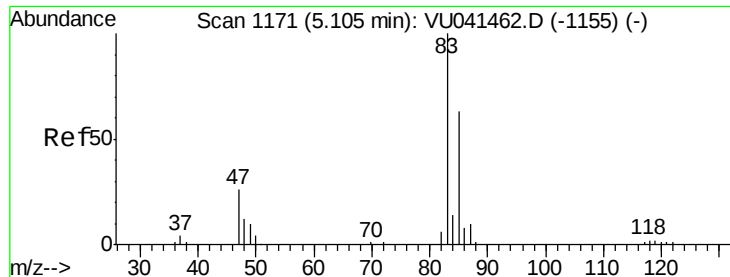
Ion 127.90 (127.60 to 128.60): V

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

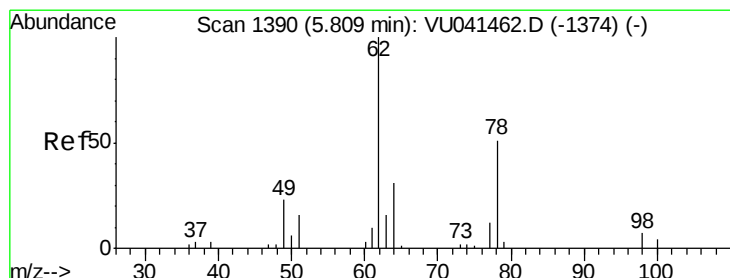
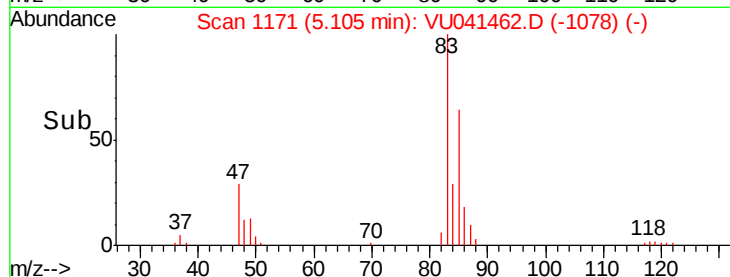
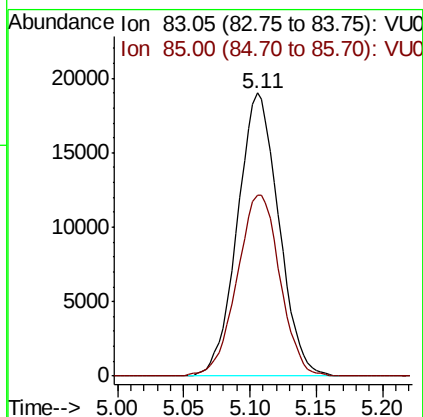
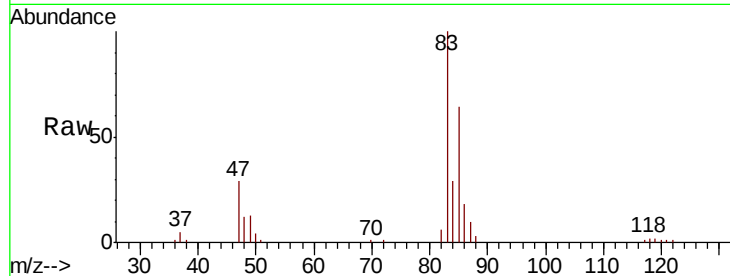




#25
Chloroform
Concen: 4.878 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

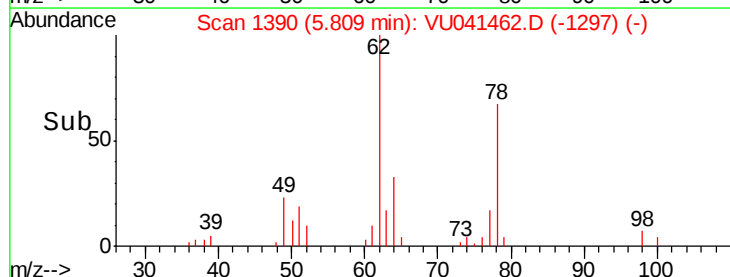
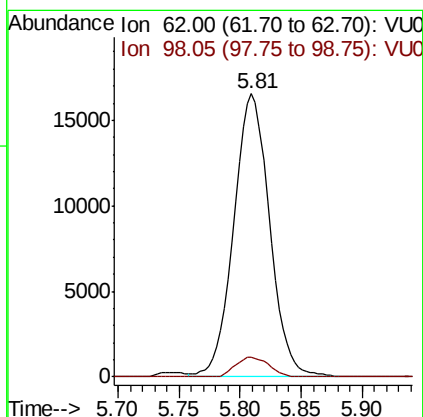
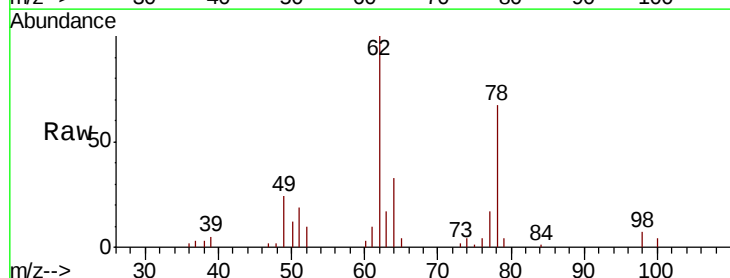
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

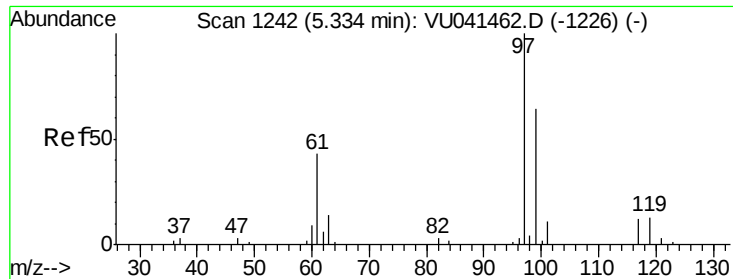
Tot Ion: 83 Resp: 41114
Ion Ratio Lower Upper
83 100
85 63.8 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.175 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

Tgt Ion: 62 Resp: 33807
Ion Ratio Lower Upper
62 100
98 7.1 5.7 8.5

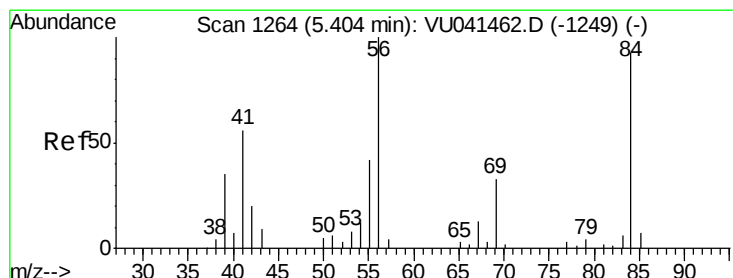
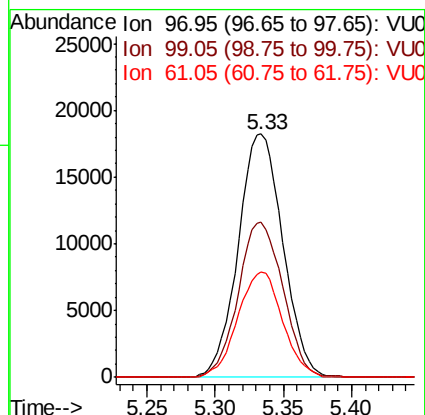
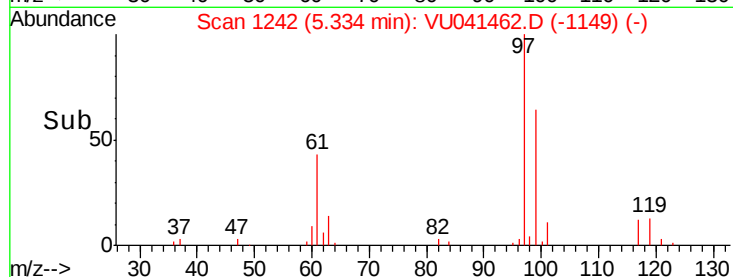
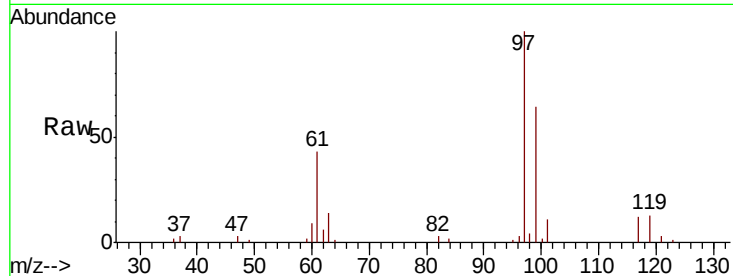




#29
1,1,1-Trichloroethane
Concen: 4.930 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

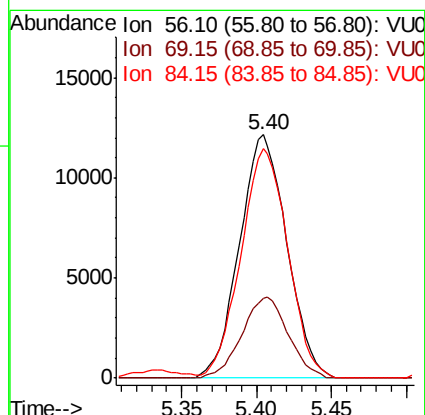
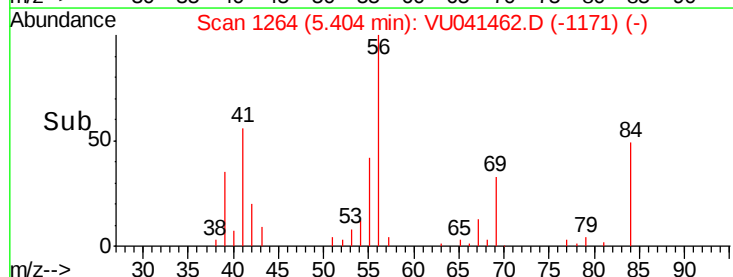
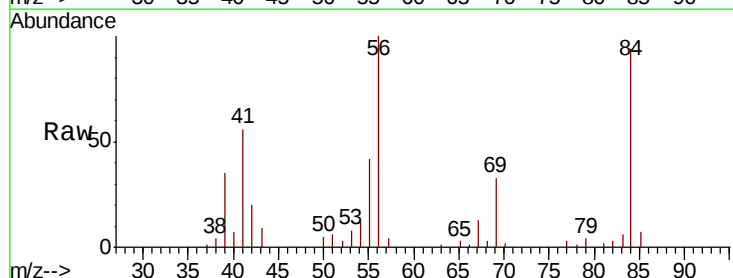
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

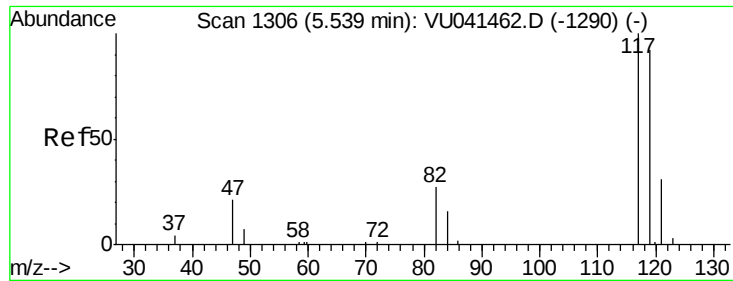
Tot Ion: 97 Resp: 41476
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 43.3 34.6 52.0



#30
Cyclohexane
Concen: 5.260 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

Tgt Ion: 56 Resp: 26730
Ion Ratio Lower Upper
56 100
69 32.4 25.9 38.9
84 93.6 74.9 112.3





#31

Carbon tetrachloride

Concen: 4.980 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

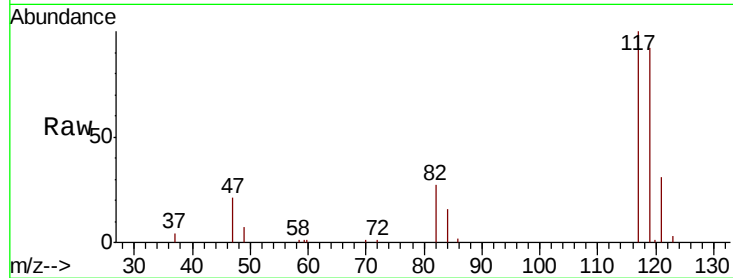
VSTD00502

Tot Ion:117 Resp: 37762

Ion Ratio Lower Upper

117 100

119 96.5 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

20000

15000

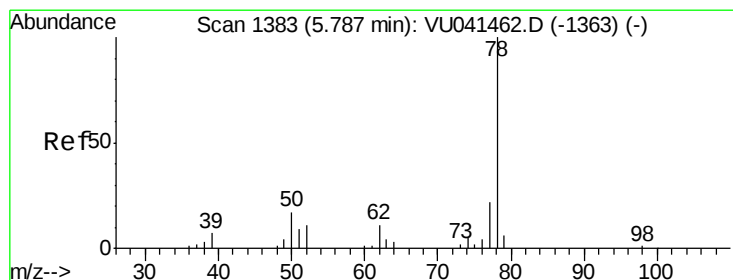
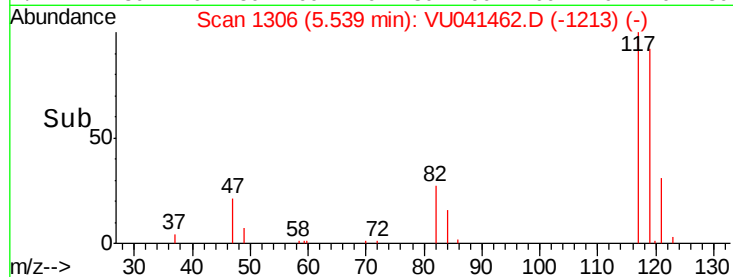
10000

5000

0

Time-->

5.45 5.50 5.55 5.60



#33

Benzene

Concen: 4.937 ug/L

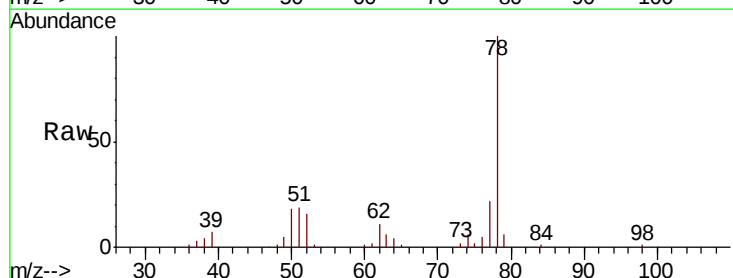
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

Tgt Ion: 78 Resp: 72435



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

40000

30000

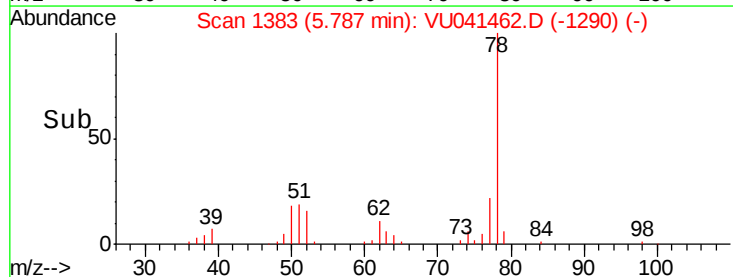
20000

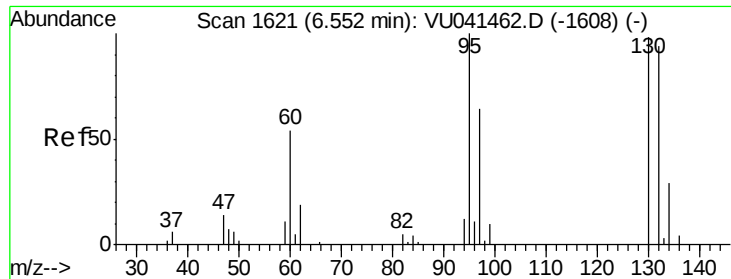
10000

0

Time-->

5.70 5.75 5.80 5.85

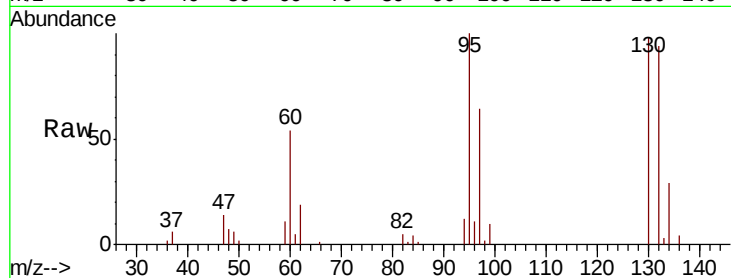




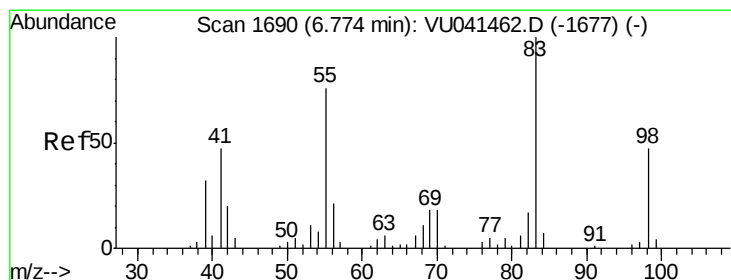
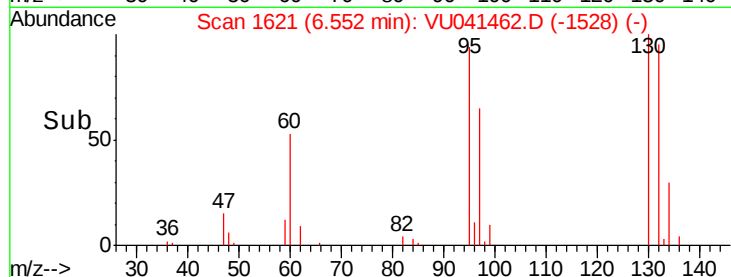
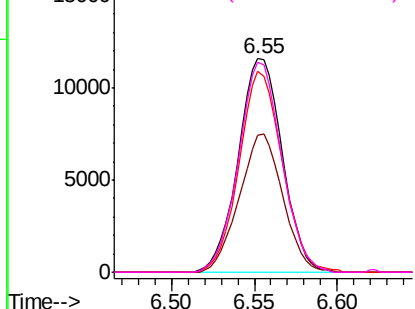
#34
 Trichloroethene
 Concen: 4.938 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041462.D
 Acq: 04 Dec 2020 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tot Ion: 95 Resp: 21398
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.7 83.1
 132 93.8 65.7 121.9
 130 98.3 68.8 127.8

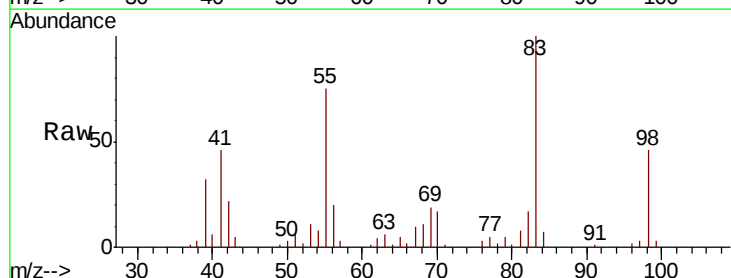


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

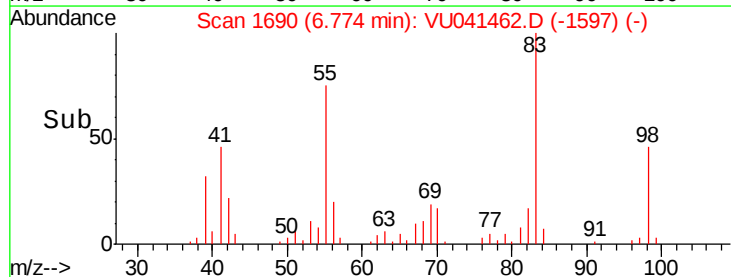
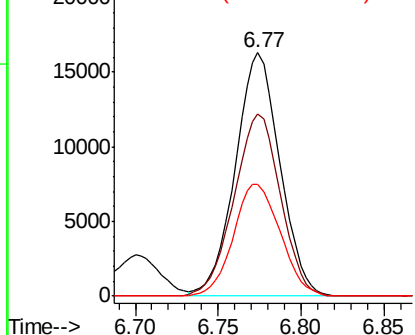


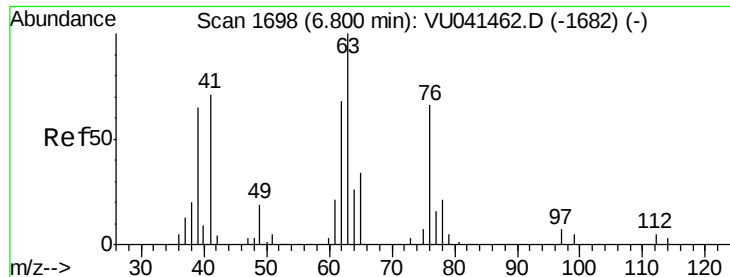
#35
 Methylcyclohexane
 Concen: 5.322 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041462.D
 Acq: 04 Dec 2020 10:29

Tgt Ion: 83 Resp: 30469
 Ion Ratio Lower Upper
 83 100
 55 77.6 62.1 93.1
 98 48.4 38.7 58.1



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

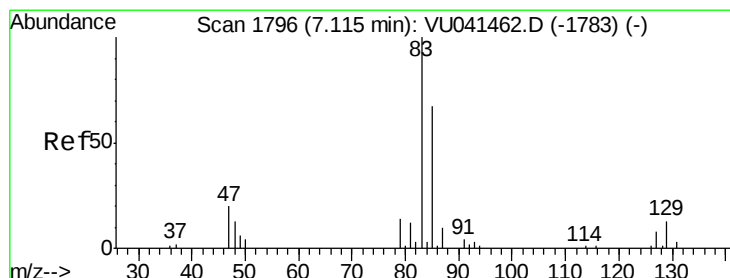
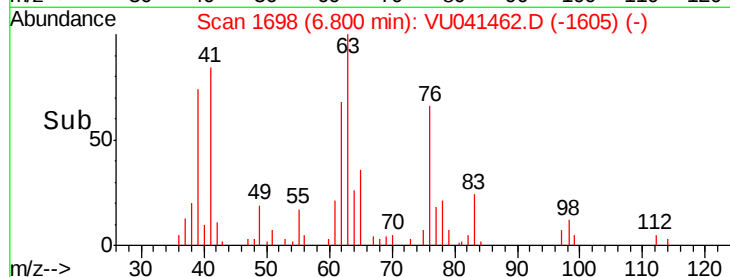
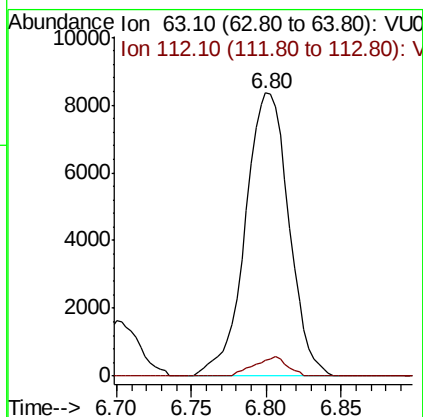
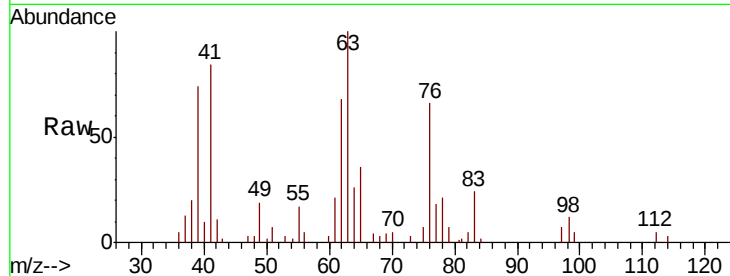




#37
 1,2-Dichloropropane
 Concen: 4.626 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU041462.D
 Acq: 04 Dec 2020 10:29

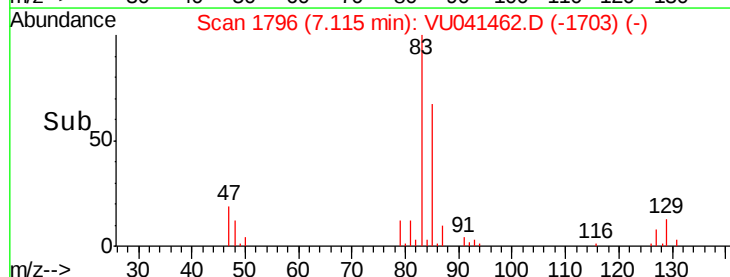
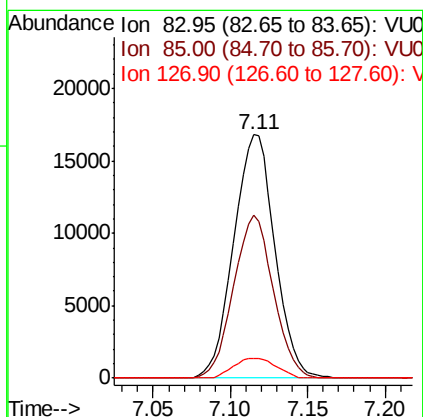
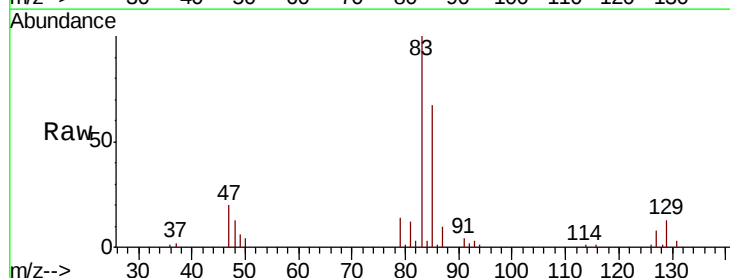
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

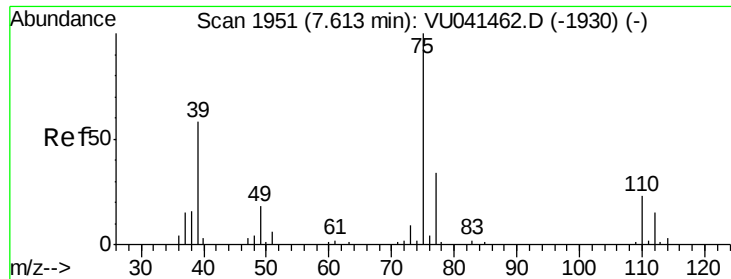
Tot Ion: 63 Resp: 16983
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.2 6.2



#38
 Bromodichloromethane
 Concen: 4.913 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041462.D
 Acq: 04 Dec 2020 10:29

Tgt Ion: 83 Resp: 30991
 Ion Ratio Lower Upper
 83 100
 85 66.7 46.7 86.7
 127 8.3 6.6 10.0

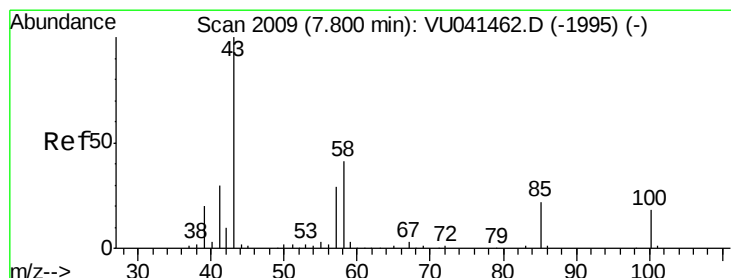
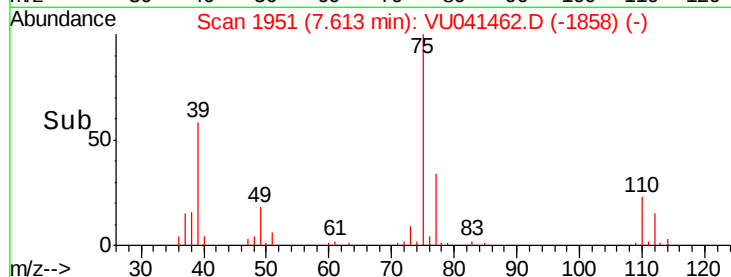
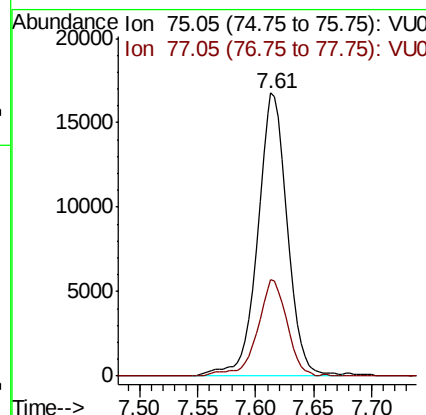
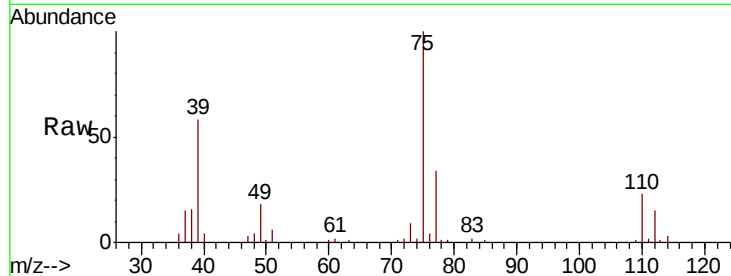




#39
 cis-1,3-Dichloropropene
 Concen: 5.001 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041462.D
 Acq: 04 Dec 2020 10:29

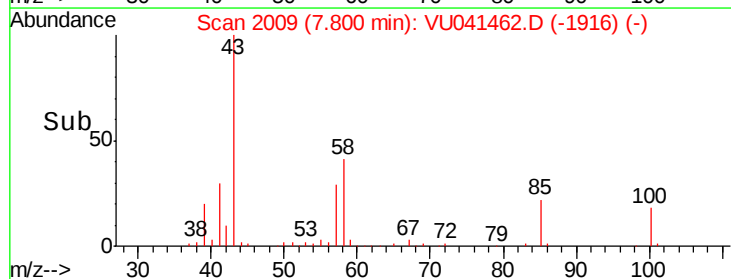
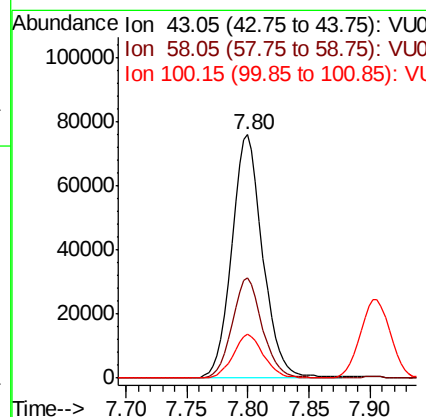
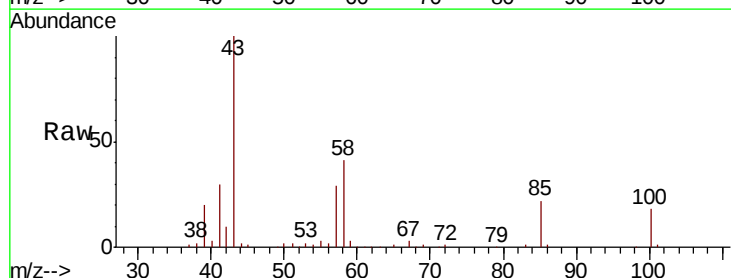
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

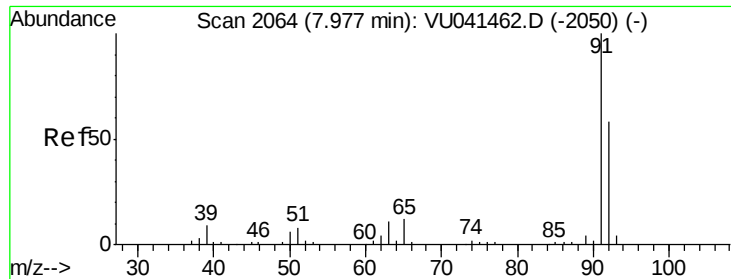
Tot Ion: 75 Resp: 30007
 Ion Ratio Lower Upper
 75 100
 77 34.3 24.0 44.6



#40
 4-Methyl-2-pentanone
 Concen: 50.119 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041462.D
 Acq: 04 Dec 2020 10:29

Tgt Ion: 43 Resp: 134959
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.0 48.0
 100 17.7 14.2 21.2





#42

Toluene

Concen: 5.056 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

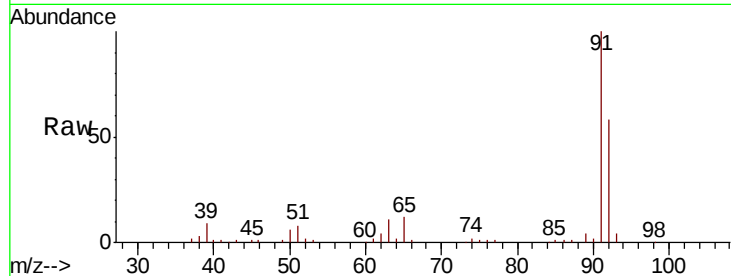
VSTD00502

Tot Ion: 91 Resp: 81424

Ion Ratio Lower Upper

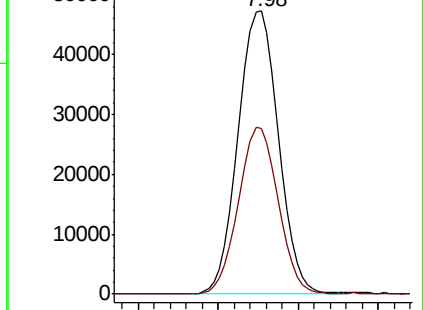
91 100

92 58.3 40.8 75.8

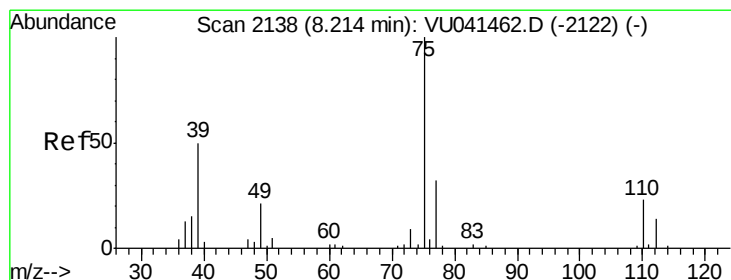
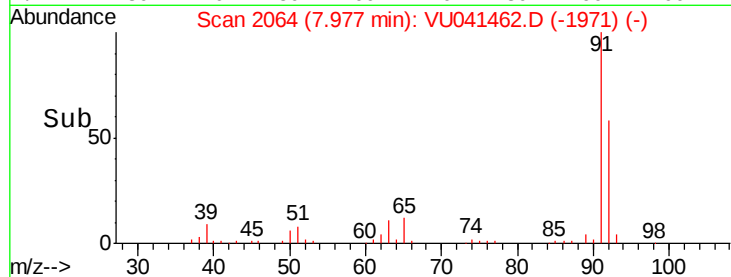


Abundance Ion 91.15 (90.85 to 91.85): VU041462.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU041462.D (-2050) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.100 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041462.D

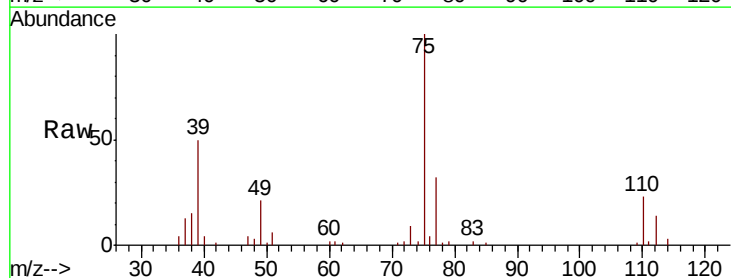
Acq: 04 Dec 2020 10:29

Tgt Ion: 75 Resp: 31932

Ion Ratio Lower Upper

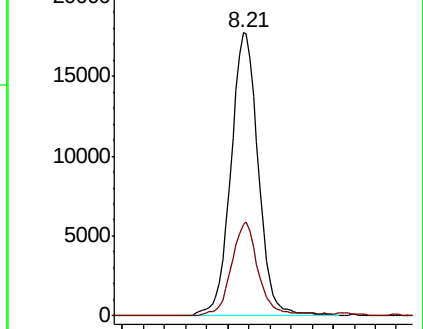
75 100

77 32.5 22.7 42.3

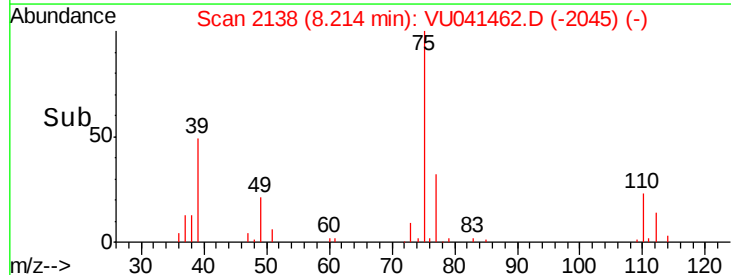


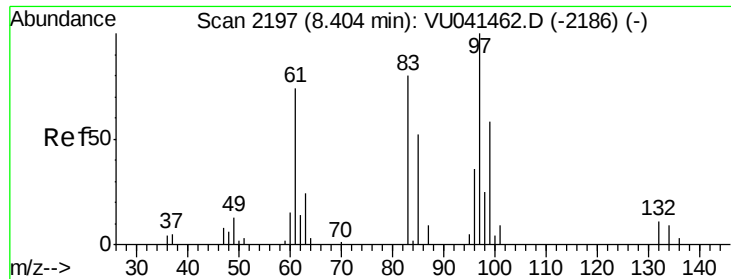
Abundance Ion 75.05 (74.75 to 75.75): VU041462.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041462.D (-2122) (-)



Time-->

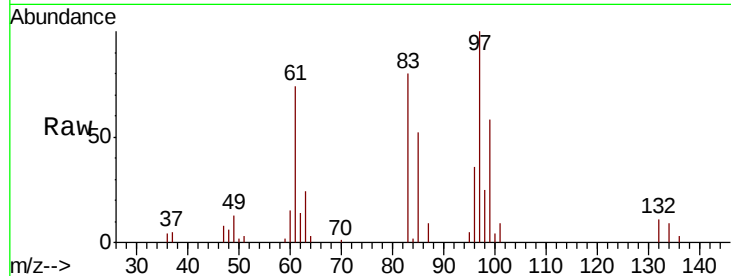




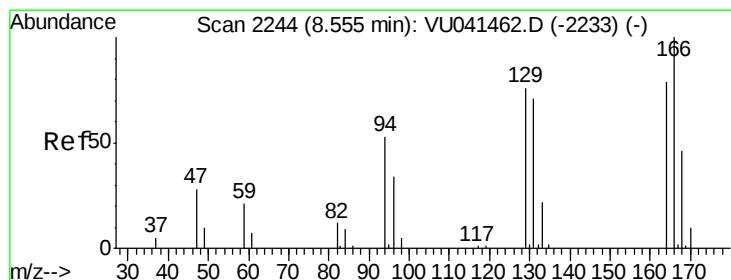
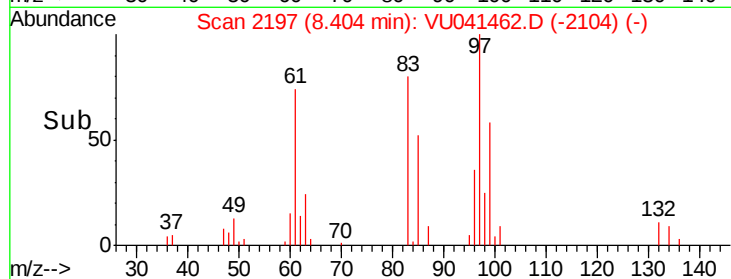
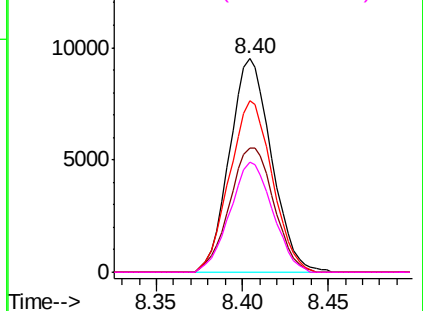
#45
 1,1,2-Trichloroethane
 Concen: 5.076 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041462.D
 Acq: 04 Dec 2020 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tot Ion:	97	Resp:	16144
Ion	Ratio	Lower	Upper
97	100		
99	58.2	40.7	75.7
83	80.3	56.2	104.4
85	51.5	36.0	67.0

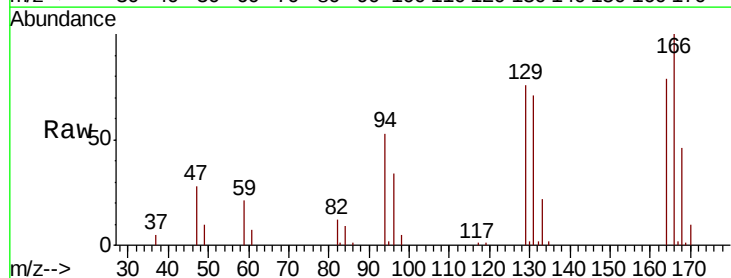


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

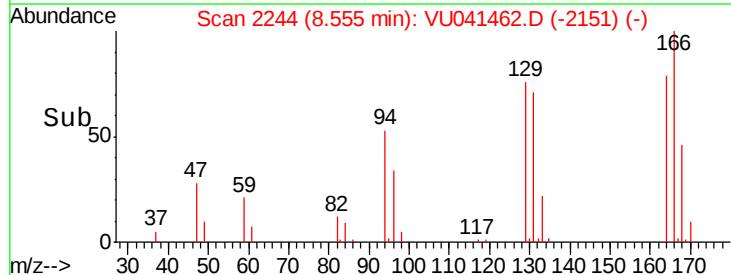
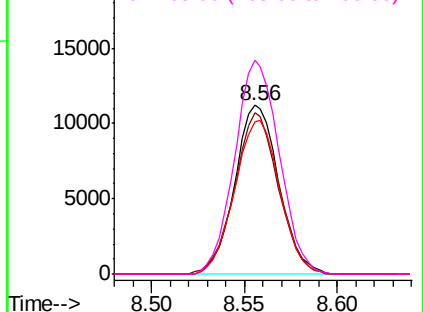


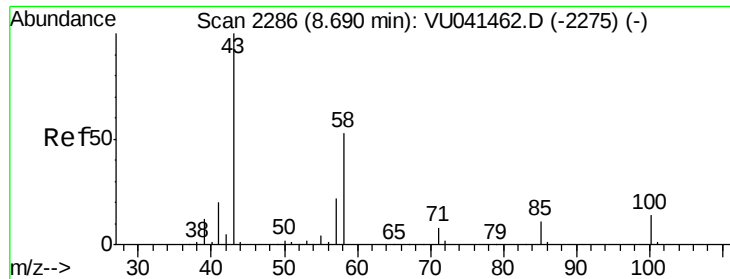
#47
 Tetrachloroethene
 Concen: 5.640 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041462.D
 Acq: 04 Dec 2020 10:29

Tgt Ion:	164	Resp:	18448
Ion	Ratio	Lower	Upper
164	100		
129	95.9	67.1	124.7
131	90.5	63.3	117.7
166	126.8	88.8	164.8



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

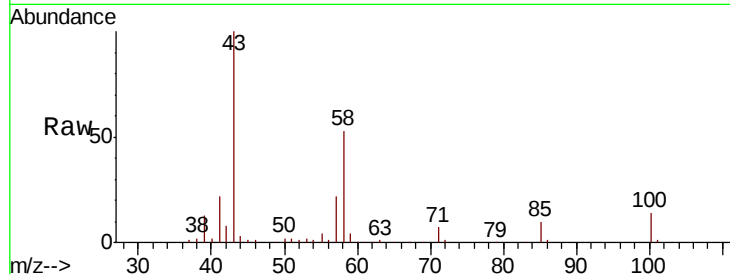




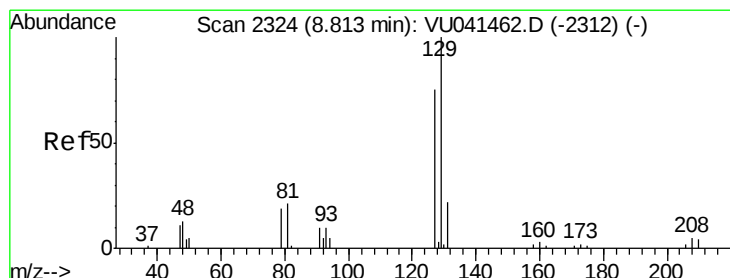
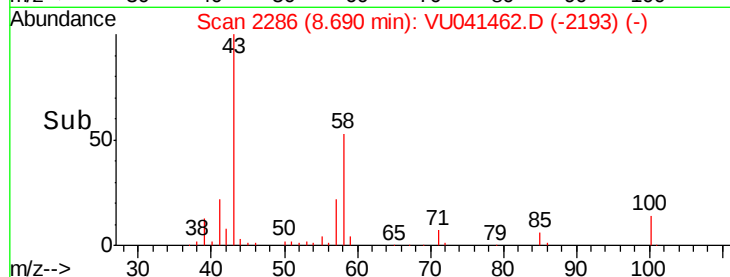
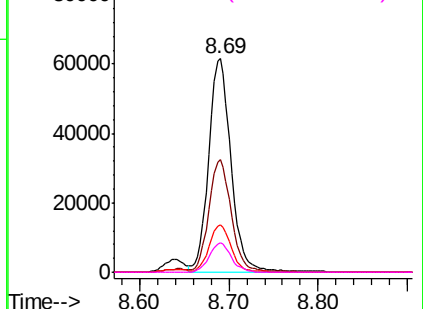
#48
2-Hexanone
Concen: 51.680 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Tot Ion: 43 Resp: 107172
Ion Ratio Lower Upper
43 100
58 51.7 41.4 62.0
57 21.4 17.1 25.7
100 13.3 10.6 16.0

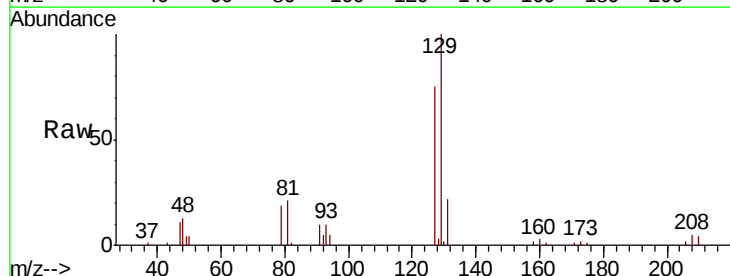


Abundance Ion 43.05 (42.75 to 43.75): VU041462.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU041462.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU041462.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU041462.D (-2275) (-)

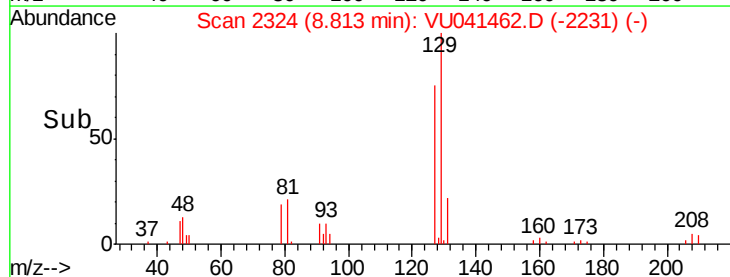
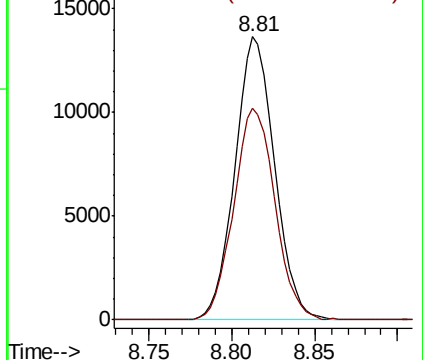


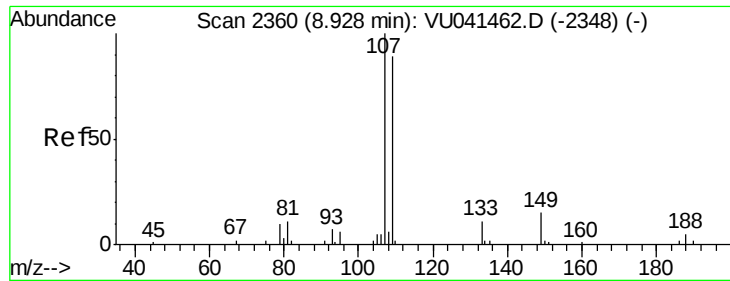
#49
Dibromochloromethane
Concen: 5.129 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

Tgt Ion: 129 Resp: 22726
Ion Ratio Lower Upper
129 100
127 74.8 52.4 97.2



Abundance Ion 128.95 (128.65 to 129.65): VU041462.D (-2312) (-)
Ion 126.90 (126.60 to 127.60): VU041462.D (-2312) (-)

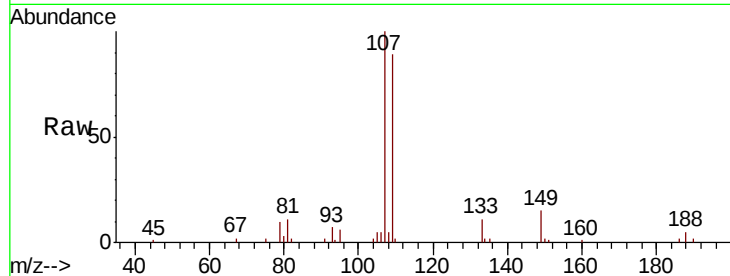




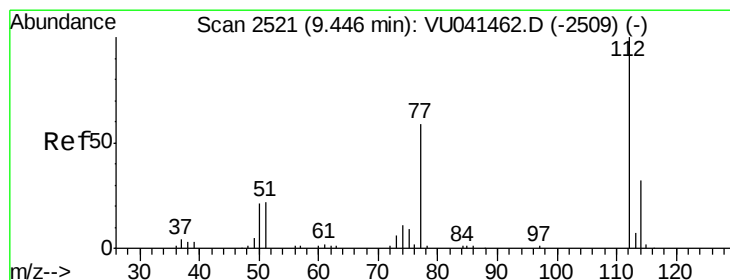
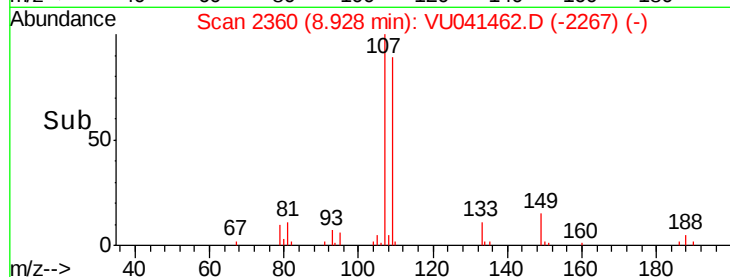
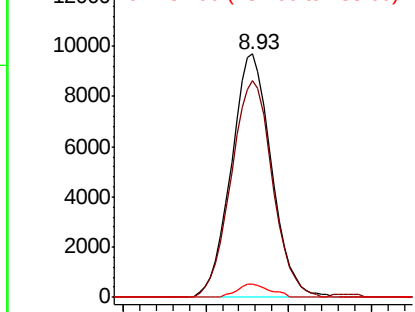
#50
1,2-Dibromoethane
Concen: 5.220 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Tot Ion:107 Resp: 16360
Ion Ratio Lower Upper
107 100
109 89.0 62.3 115.7
188 5.3 4.2 6.4

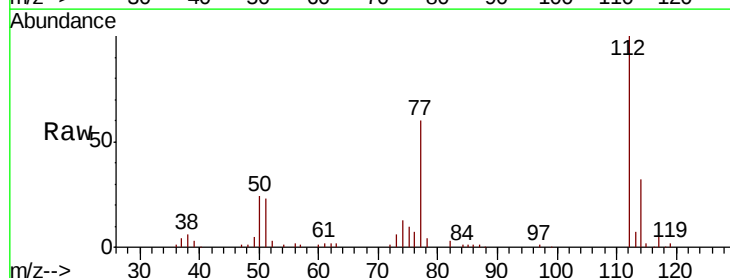


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

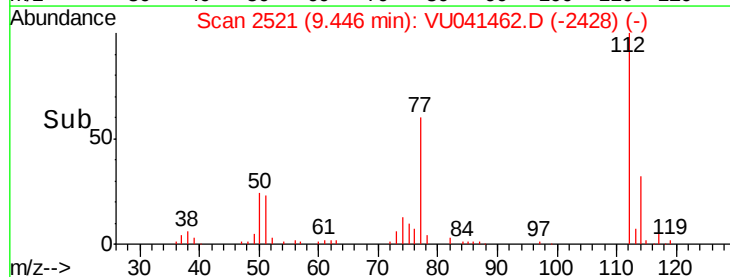
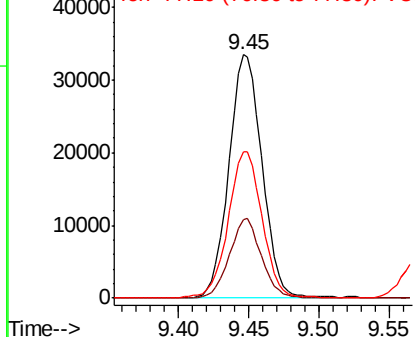


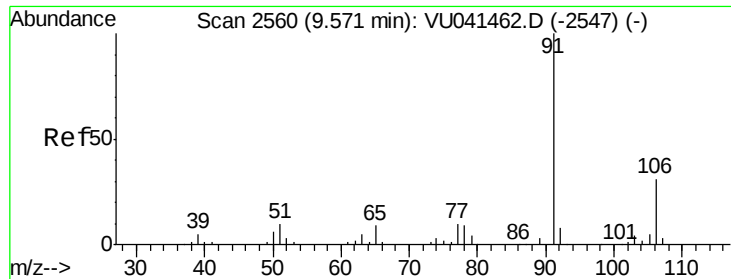
#51
Chlorobenzene
Concen: 5.035 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

Tgt Ion:112 Resp: 55186
Ion Ratio Lower Upper
112 100
114 32.4 22.7 42.1
77 60.2 48.2 72.2



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: 4.938 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

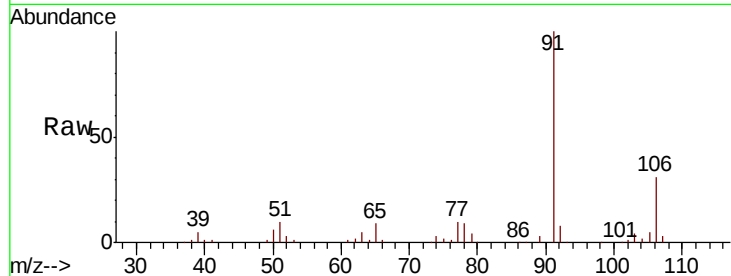
VSTD00502

Tot Ion: 91 Resp: 92642

Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU041462.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU041462.D (-2547) (-)

9.57

60000

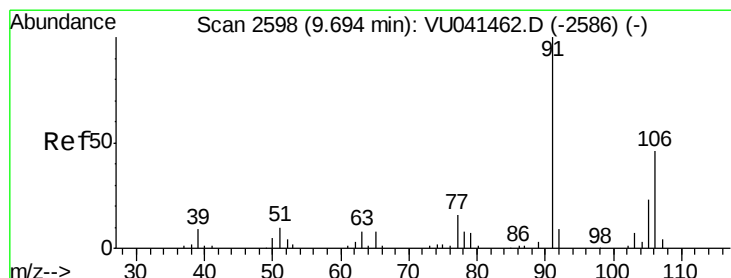
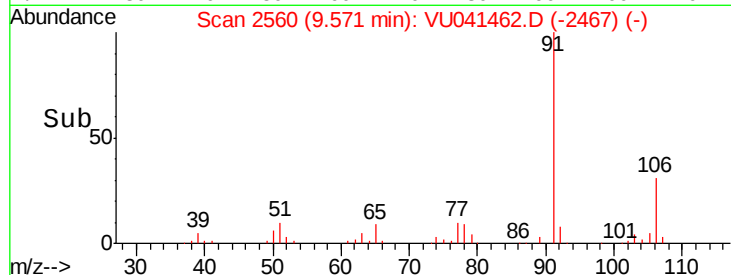
40000

20000

0

9.50 9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 5.007 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041462.D

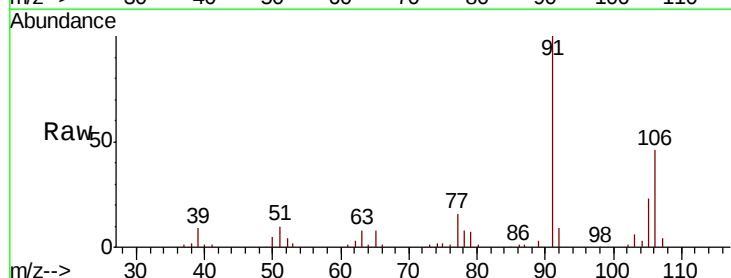
Acq: 04 Dec 2020 10:29

Tgt Ion: 106 Resp: 34400

Ion Ratio Lower Upper

106 100

91 216.9 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): VU041462.D (-2586) (-)

Ion 91.15 (90.85 to 91.85): VU041462.D (-2586) (-)

9.69

50000

40000

30000

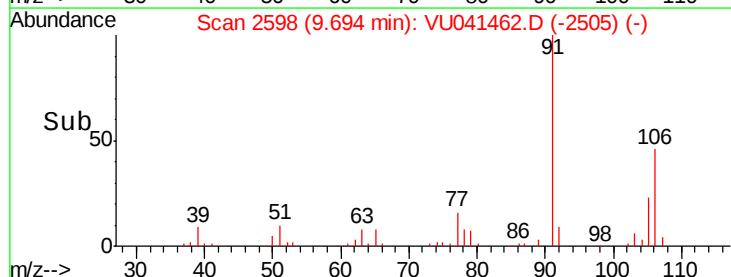
20000

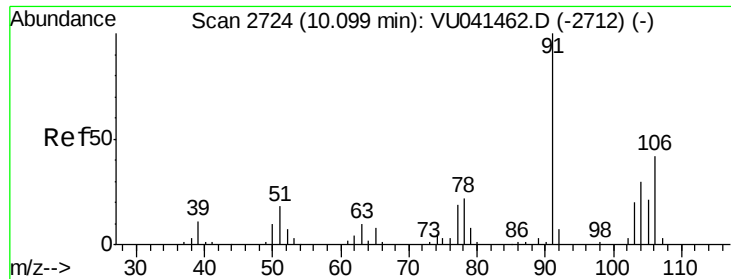
10000

0

9.65 9.70 9.75

Time-->

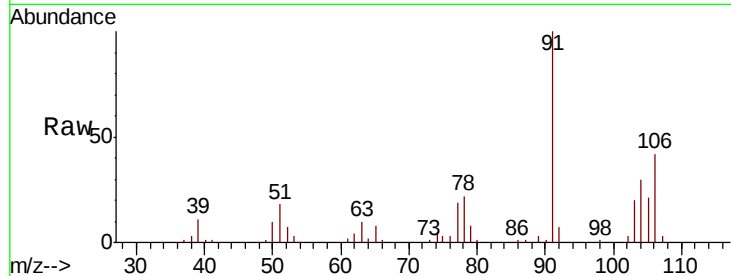




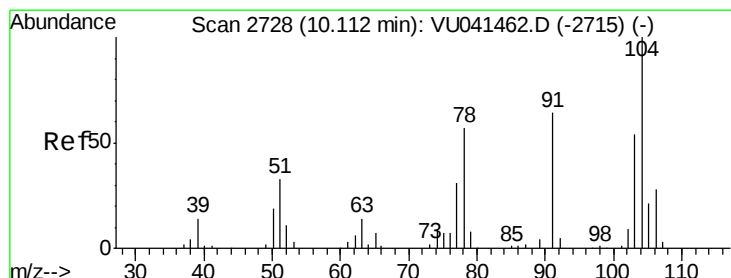
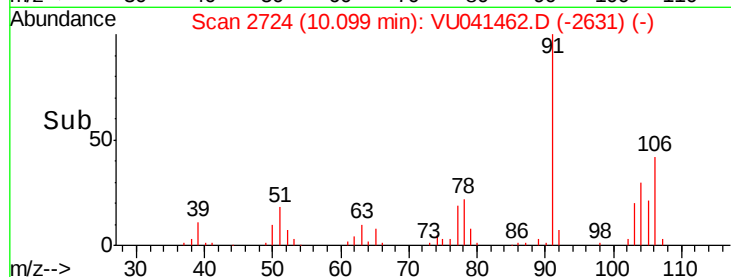
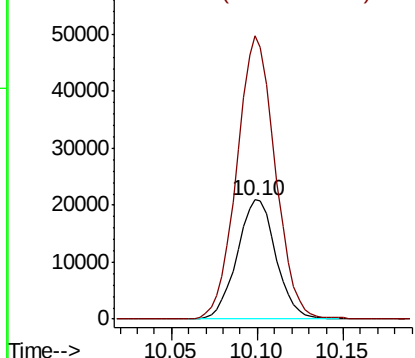
#54
o-Xylene
Concen: 5.095 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Tot Ion:106 Resp: 32942
Ion Ratio Lower Upper
106 100
91 236.9 165.8 308.0

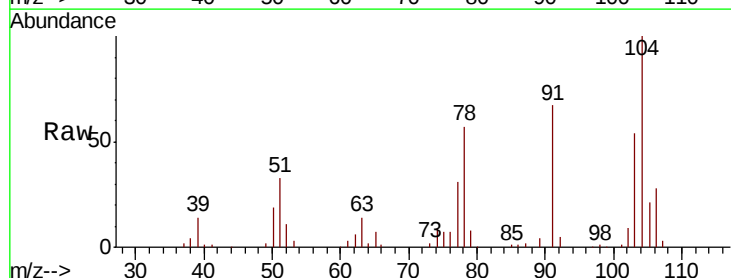


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

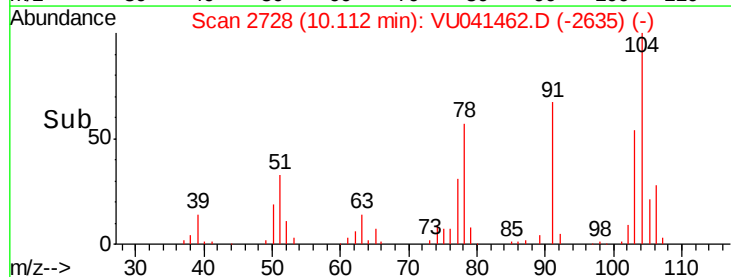
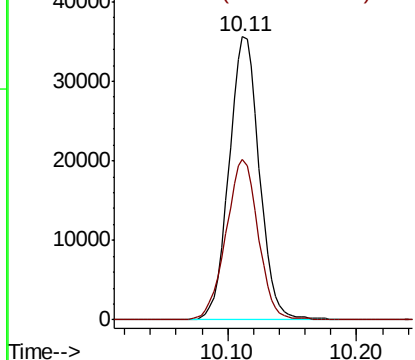


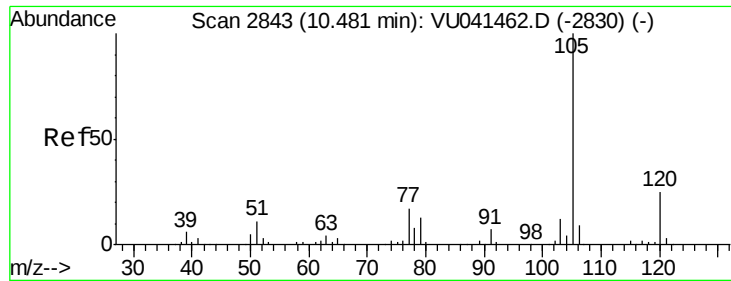
#55
Styrene
Concen: 4.997 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. 0.00 min
Lab File: VU041462.D
Acq: 04 Dec 2020 10:29

Tgt Ion:104 Resp: 58019
Ion Ratio Lower Upper
104 100
78 56.9 39.8 74.0



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





#56

Isopropylbenzene

Concen: 5.017 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

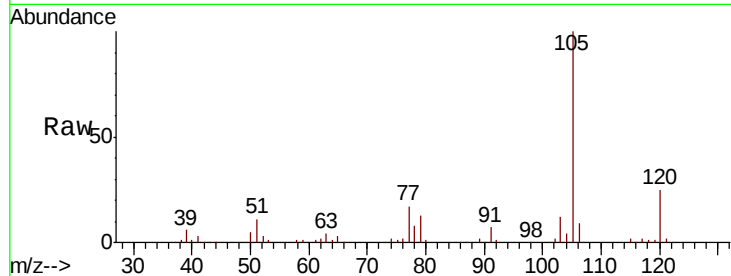
Tot Ion: 105 Resp: 93389

Ion Ratio Lower Upper

105 100

120 25.0 20.0 30.0

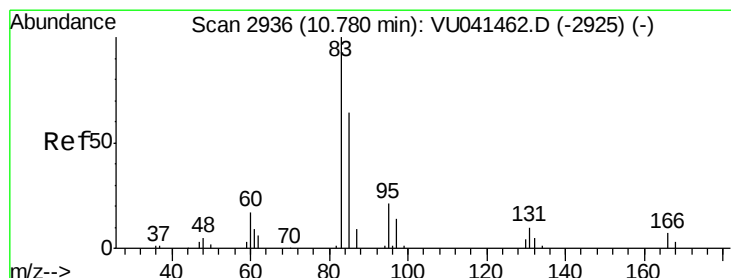
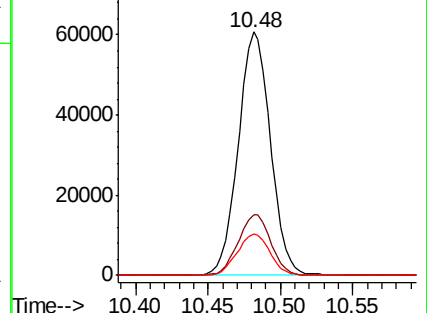
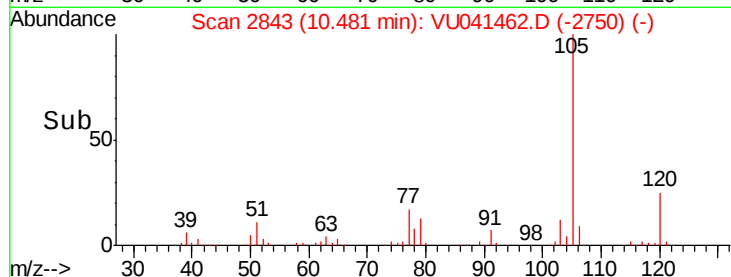
77 17.4 13.9 20.9



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: 4.968 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

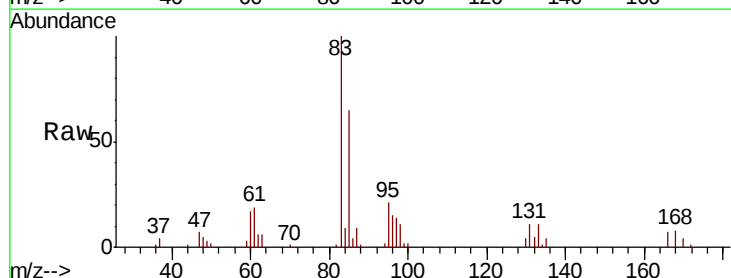
Tgt Ion: 83 Resp: 20014

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

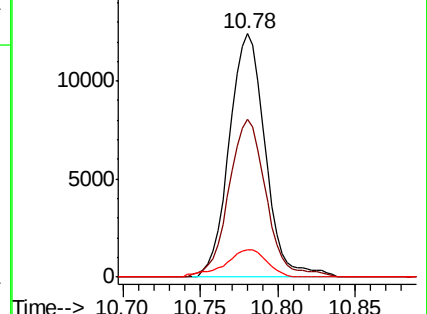
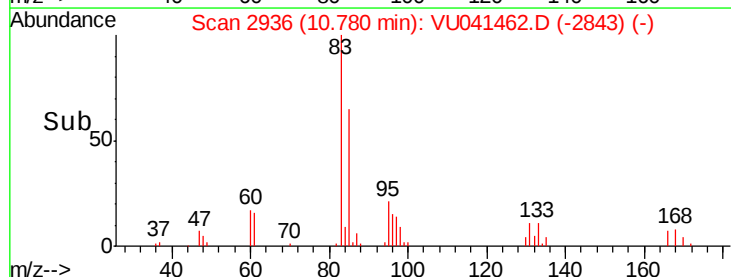
131 11.4 9.1 13.7

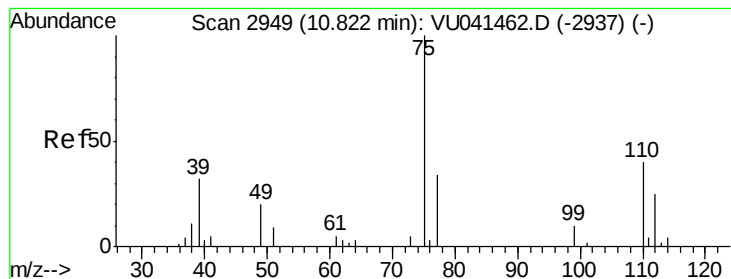


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.878 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

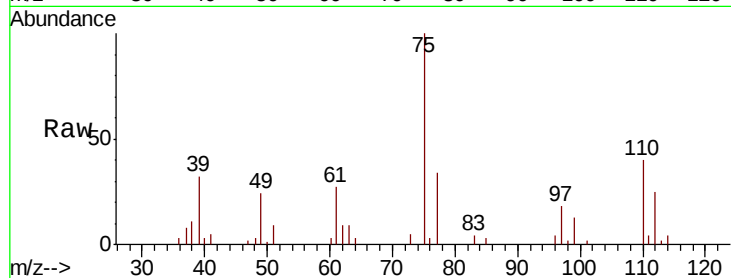
VSTD00502

Tot Ion: 75 Resp: 16358

Ion Ratio Lower Upper

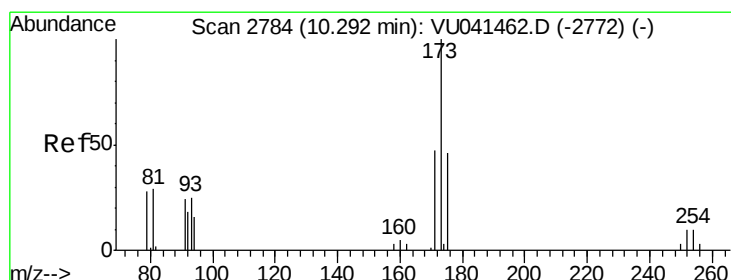
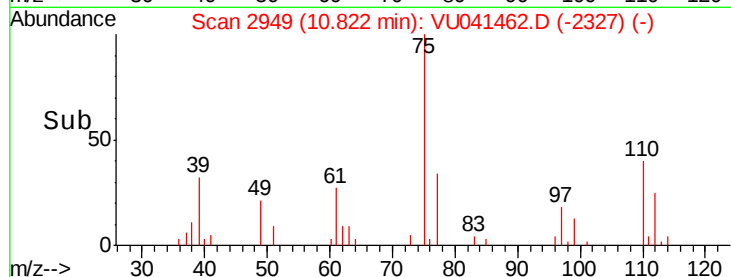
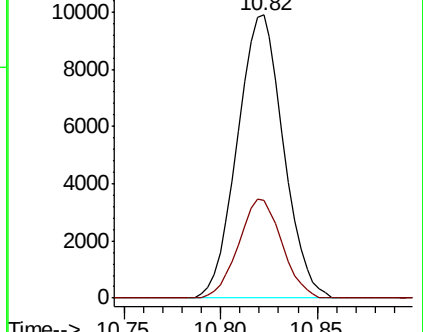
75 100

77 32.9 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VU041462.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041462.D (-2937) (-)



#61

Bromoform

Concen: 4.837 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

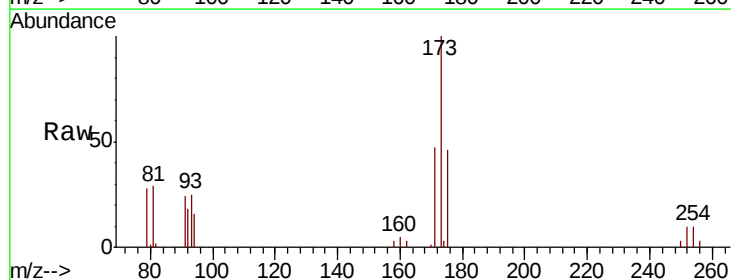
Tgt Ion: 173 Resp: 13434

Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

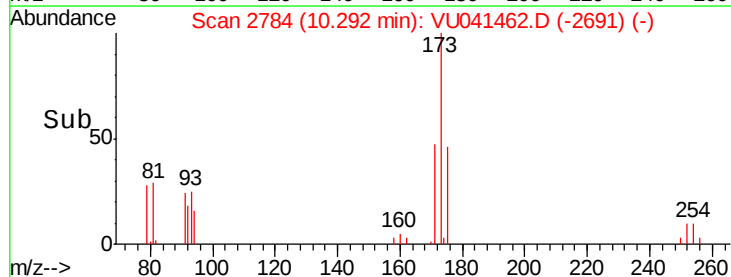
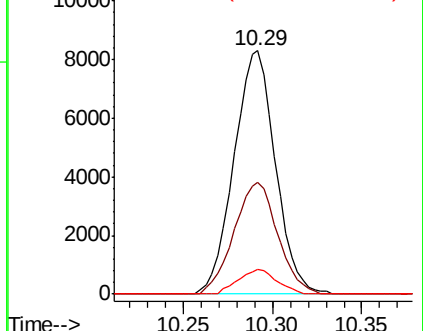
254 9.5 7.6 11.4

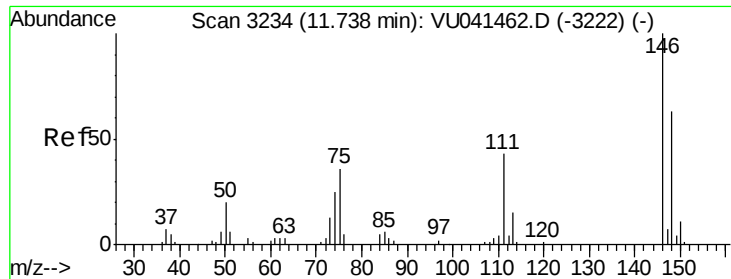


Abundance Ion 172.90 (172.60 to 173.60): VU041462.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041462.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041462.D (-2772) (-)

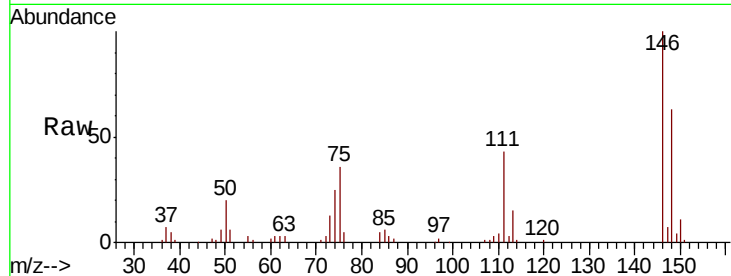




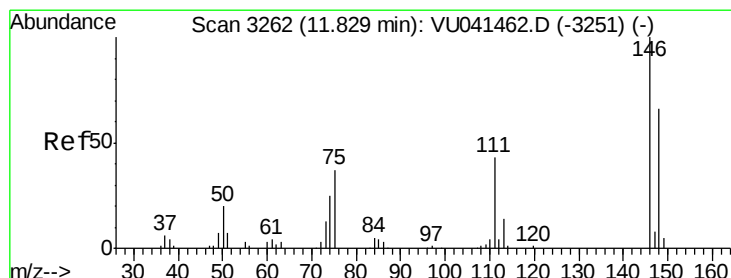
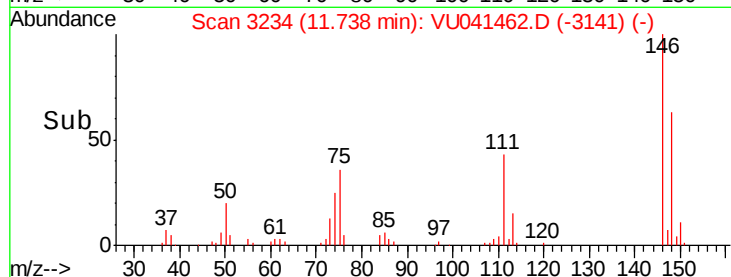
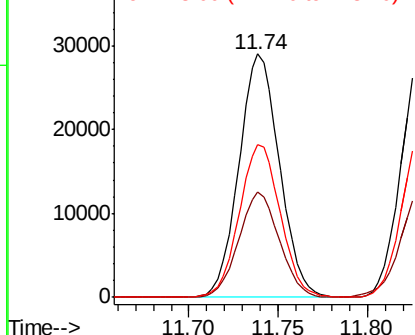
#62
 1,3-Dichlorobenzene
 Concen: 4.830 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU041462.D
 Acq: 04 Dec 2020 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tot Ion:146 Resp: 45981
 Ion Ratio Lower Upper
 146 100
 111 43.1 30.2 56.0
 148 62.8 44.0 81.6

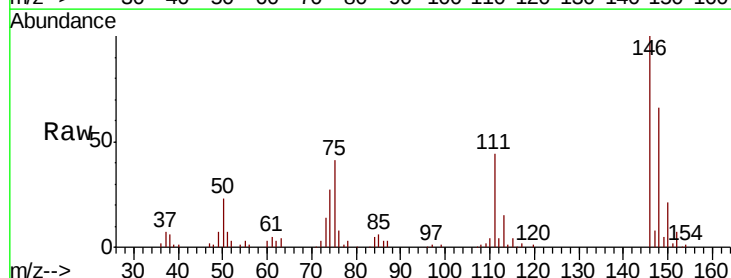


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

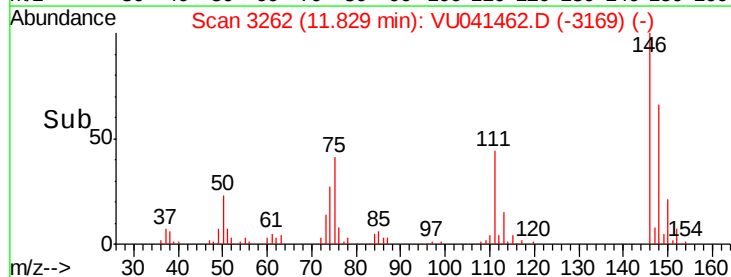
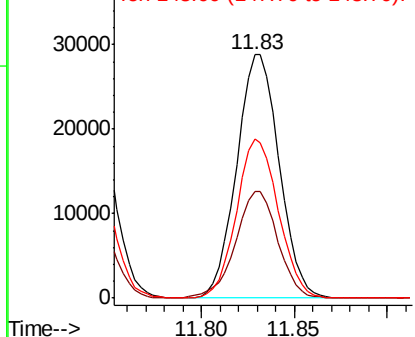


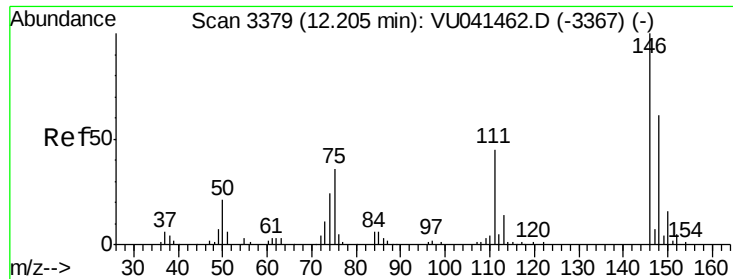
#63
 1,4-Dichlorobenzene
 Concen: 4.790 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.00 min
 Lab File: VU041462.D
 Acq: 04 Dec 2020 10:29

Tgt Ion:146 Resp: 45890
 Ion Ratio Lower Upper
 146 100
 111 43.9 30.7 57.1
 148 65.5 45.8 85.2



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

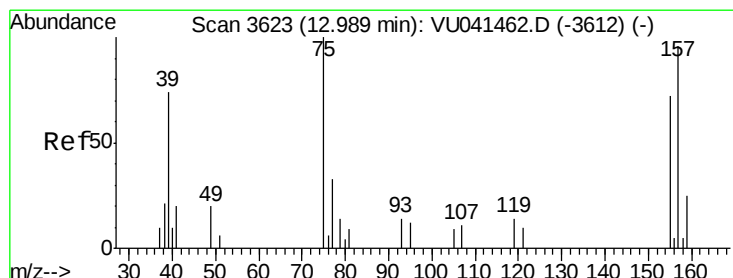
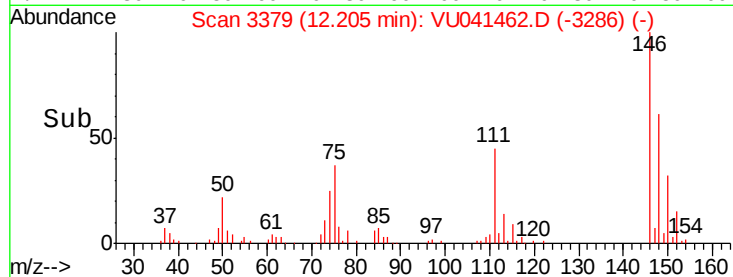
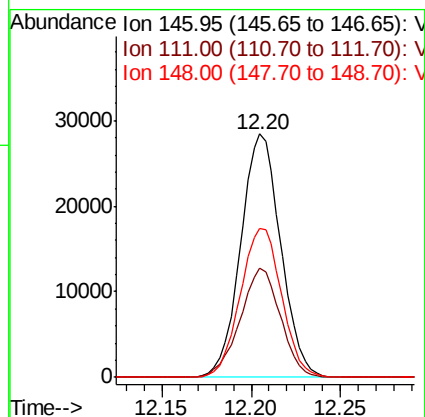
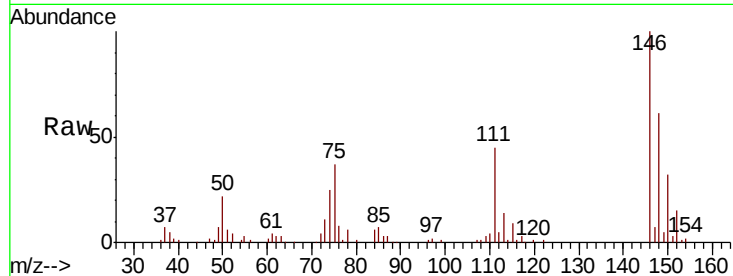




#65
 1,2-Dichlorobenzene
 Concen: 4.784 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU041462.D
 Acq: 04 Dec 2020 10:29

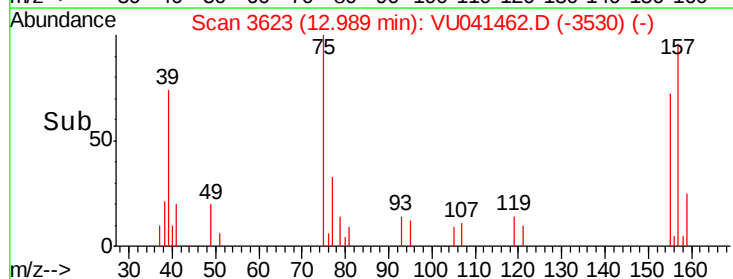
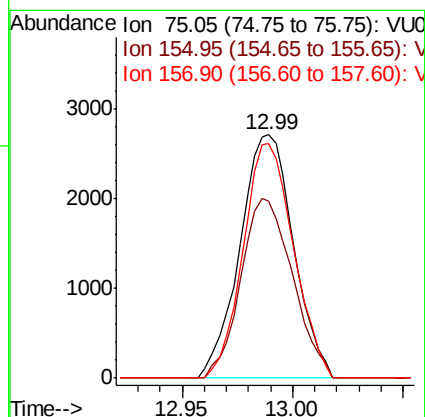
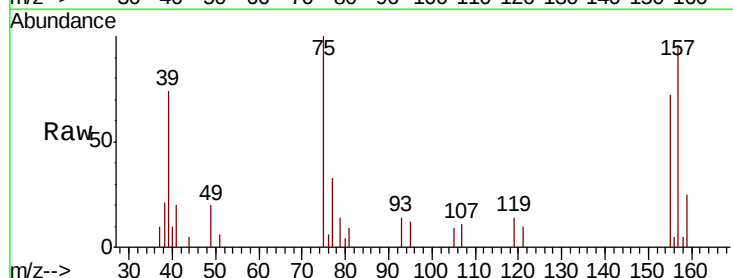
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

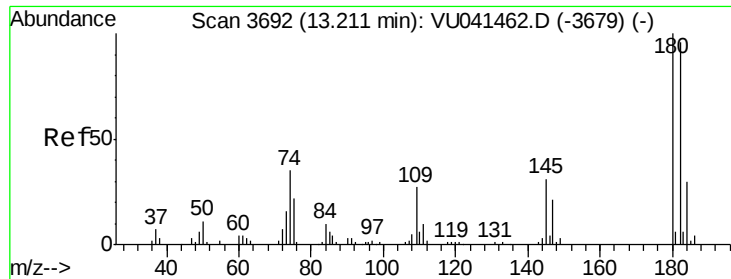
Tot Ion:146 Resp: 44478
 Ion Ratio Lower Upper
 146 100
 111 45.0 36.0 54.0
 148 61.3 49.0 73.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.000 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041462.D
 Acq: 04 Dec 2020 10:29

Tgt Ion: 75 Resp: 4562
 Ion Ratio Lower Upper
 75 100
 155 72.5 58.0 87.0
 157 96.4 77.1 115.7

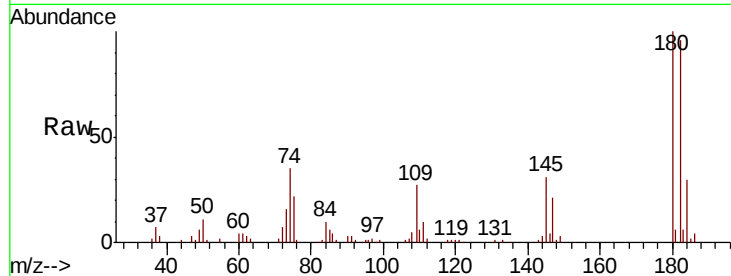




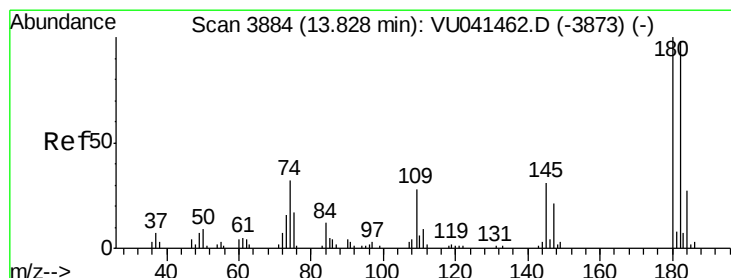
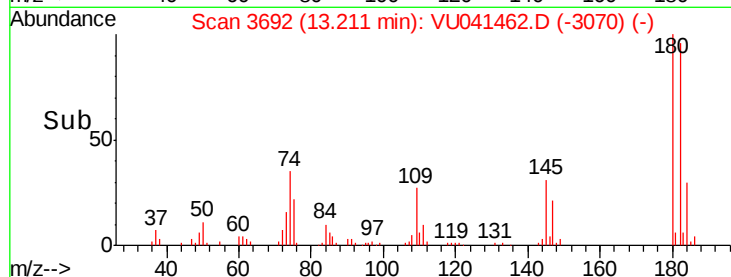
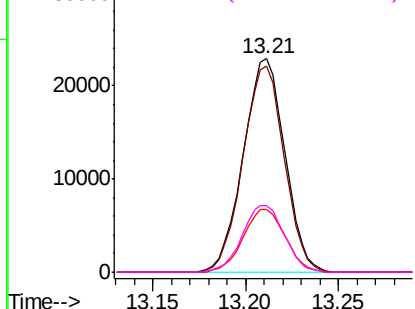
#67
 1,3,5-Trichlorobenzene
 Concen: 4.860 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041462.D
 Acq: 04 Dec 2020 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tot Ion:180	Resp:	35795
Ion	Ratio	Lower Upper
180	100	
182	95.4	76.3 114.5
184	29.7	23.8 35.6
145	31.4	25.1 37.7

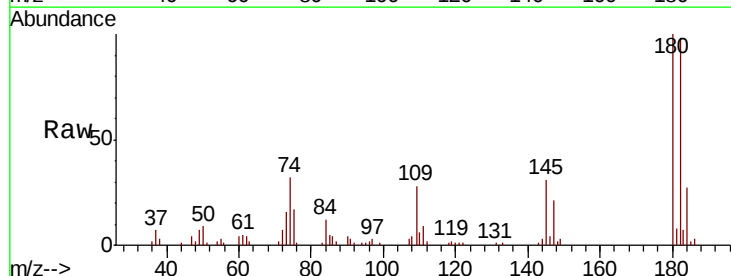


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

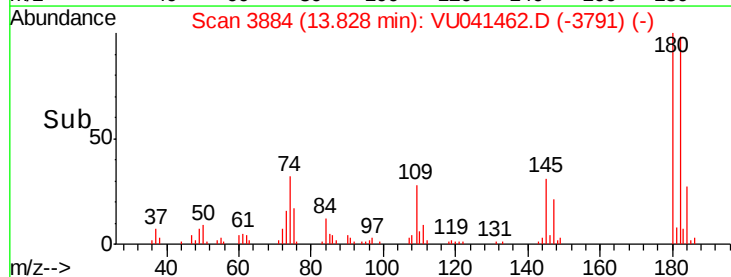
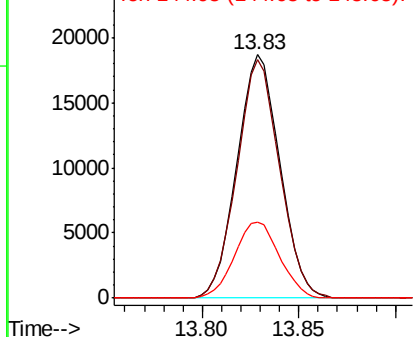


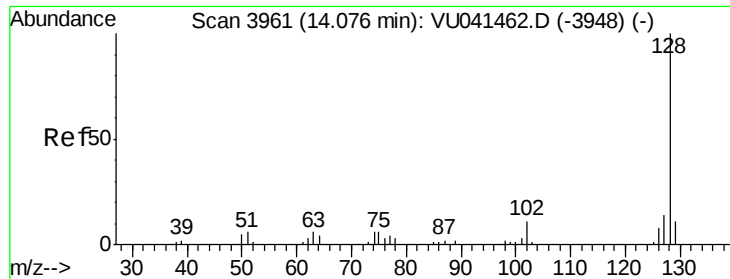
#68
 1,2,4-trichlorobenzene
 Concen: 4.835 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041462.D
 Acq: 04 Dec 2020 10:29

Tgt Ion:180	Resp:	28819
Ion	Ratio	Lower Upper
180	100	
182	97.3	77.8 116.8
145	33.0	26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.717 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

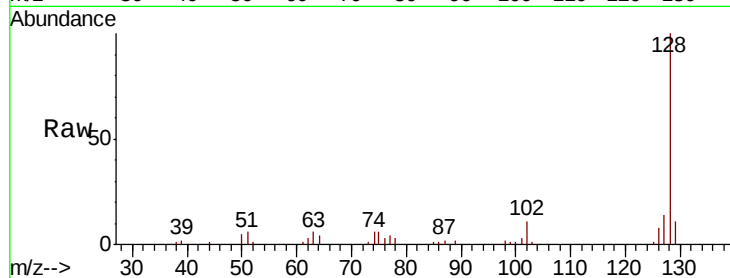
Tot Ion:128 Resp: 46706

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 13.6 10.9 16.3

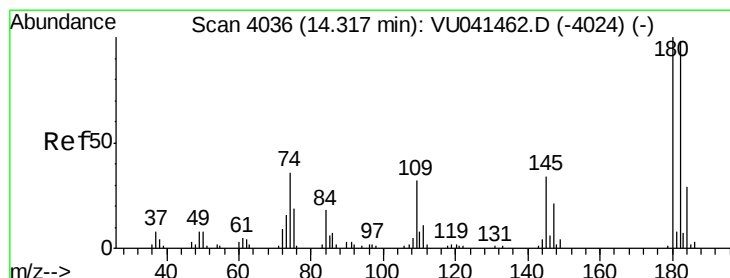
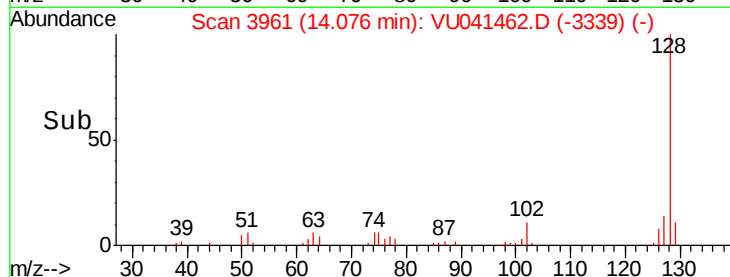
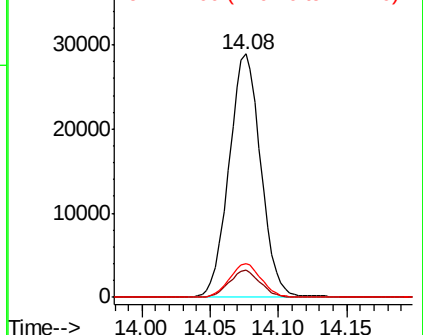


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.706 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041462.D

Acq: 04 Dec 2020 10:29

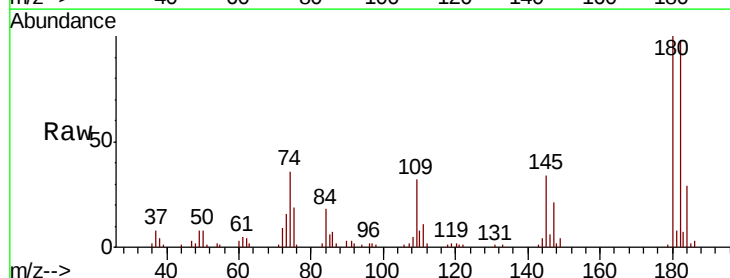
Tgt Ion:180 Resp: 25999

Ion Ratio Lower Upper

180 100

182 98.9 79.1 118.7

145 34.8 27.8 41.8



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

