

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120720\
 Data File : VU041481.D
 Acq On : 07 Dec 2020 09:43
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Quant Time: Dec 08 04:22:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 05 05:22:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	56606	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	53071	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	31849	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	11237	3.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.40%
7) Chloroethane-d5	1.92	69	10848	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.00%
11) 1,1-Dichloroethene-d2	2.58	63	29277	4.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.20%
20) 2-Butanone-d5	4.65	46	49785	45.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.32%
24) Chloroform-d	5.08	84	35740	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.72	65	23885	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.74	84	53550	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.70	67	15264	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.90	98	49929	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	8.18	79	9492	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.64	63	38184	44.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.58%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	17764	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	24503	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	23514	4.692	ug/L 99
3) Chloromethane	1.53	50	13920	4.297	ug/L 99
5) Vinyl chloride	1.61	62	16372	4.239	ug/L 94
6) Bromomethane	1.87	94	12772	4.783	ug/L 97
8) Chloroethane	1.94	64	11534	4.591	ug/L 93
9) Trichlorofluoromethane	2.15	101	40789	4.741	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	17790	4.613	ug/L 98
12) 1,1-Dichloroethene	2.59	96	14872	4.488	ug/L 96
13) Acetone	2.66	43	39006	45.955	ug/L 99
14) Carbon disulfide	2.81	76	44517	4.358	ug/L 97
15) Methyl Acetate	2.97	43	7626	4.910	ug/L 96
16) Methylene chloride	3.06	84	17231	3.896	ug/L 95
17) Methyl tert-butyl Ether	3.38	73	48612	4.835	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	16472	4.922	ug/L 95
19) 1,1-Dichloroethane	3.89	63	29194	4.721	ug/L 99
21) 2-Butanone	4.73	43	51977	48.939	ug/L 97
22) cis-1,2-Dichloroethene	4.68	96	17409	4.691	ug/L 97

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 Quant Title : TRACE VOA SOM01.0
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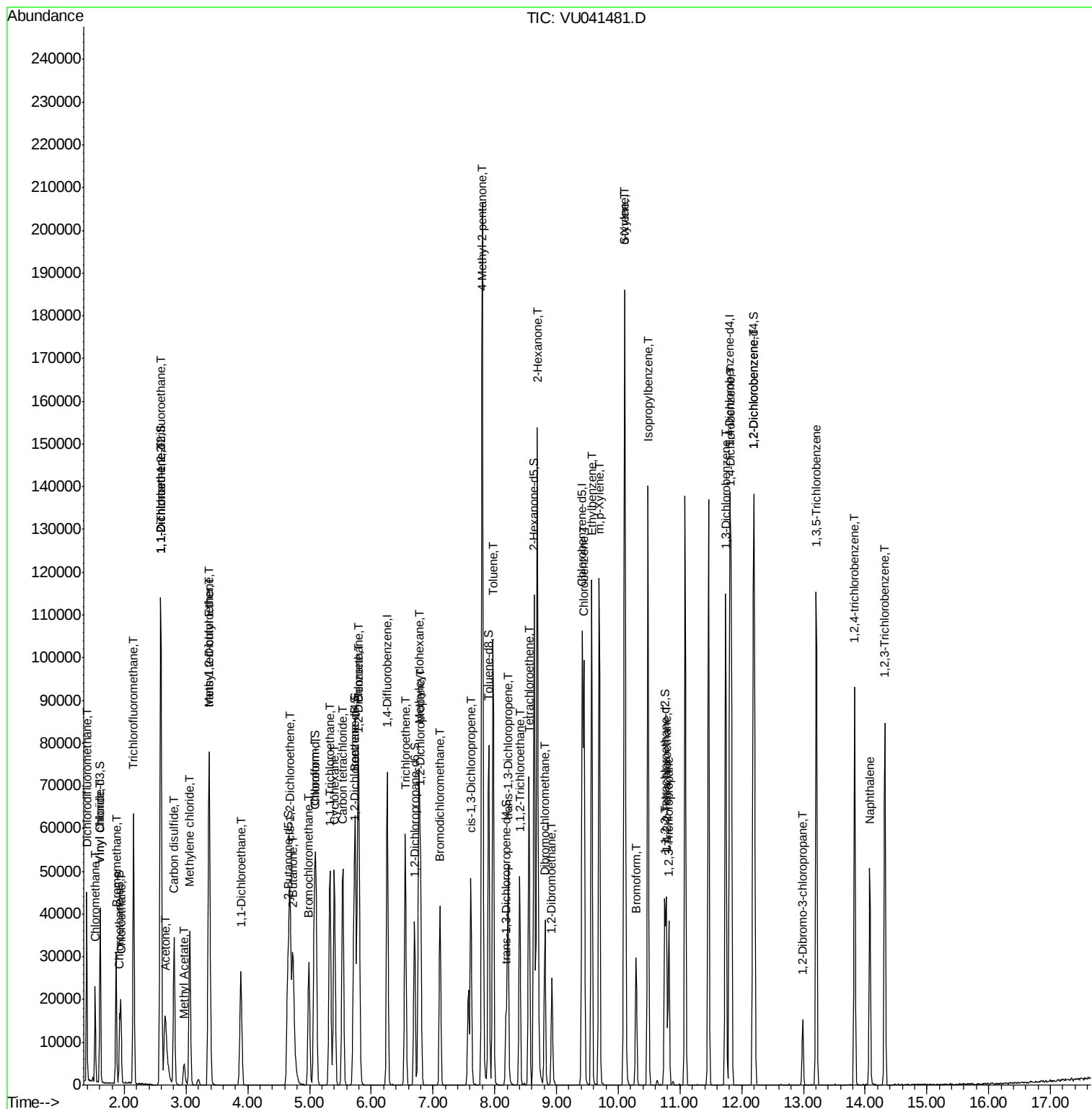
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	9633	4.966	ug/L	96
25) Chloroform	5.10	83	36943	4.690	ug/L	93
27) 1,2-Dichloroethane	5.81	62	30586	4.968	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	37992	4.995	ug/L	99
30) Cyclohexane	5.40	56	21612	4.519	ug/L	93
31) Carbon tetrachloride	5.54	117	35912	5.099	ug/L	100
33) Benzene	5.79	78	63671	4.847	ug/L	100
34) Trichloroethene	6.55	95	19855	5.008	ug/L	98
35) Methylcyclohexane	6.77	83	26443	4.889	ug/L	99
37) 1,2-Dichloropropane	6.80	63	15124	4.913	ug/L #	96
38) Bromodichloromethane	7.11	83	27633	4.914	ug/L #	99
39) cis-1,3-Dichloropropene	7.61	75	25171	4.526	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	123714	50.161	ug/L	98
42) Toluene	7.97	91	70133	4.744	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	27544	4.959	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	13369	4.503	ug/L	98
47) Tetrachloroethene	8.56	164	15055	4.808	ug/L	96
48) 2-Hexanone	8.69	43	94784	47.827	ug/L	100
49) Dibromochloromethane	8.81	129	19352	4.785	ug/L	97
50) 1,2-Dibromoethane	8.92	107	13942	4.656	ug/L #	97
51) Chlorobenzene	9.45	112	47361	4.807	ug/L	98
52) Ethylbenzene	9.57	91	79909	4.717	ug/L	96
53) m,p-Xylene	9.69	106	31487	5.120	ug/L	98
54) o-Xylene	10.10	106	29545	4.955	ug/L	98
55) Styrene	10.11	104	53885	5.322	ug/L	94
56) Isopropylbenzene	10.48	105	84463	5.018	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	17435	4.781	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	14697	4.921	ug/L	99
61) Bromoform	10.29	173	13505	5.047	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	44004	4.903	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	45385	4.932	ug/L	96
65) 1,2-Dichlorobenzene	12.20	146	41838	4.708	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4509	5.180	ug/L	86
67) 1,3,5-Trichlorobenzene	13.21	180	33071	4.611	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	28983	5.049	ug/L	98
69) Naphthalene	14.08	128	40971	4.542	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	25912	5.100	ug/L	95

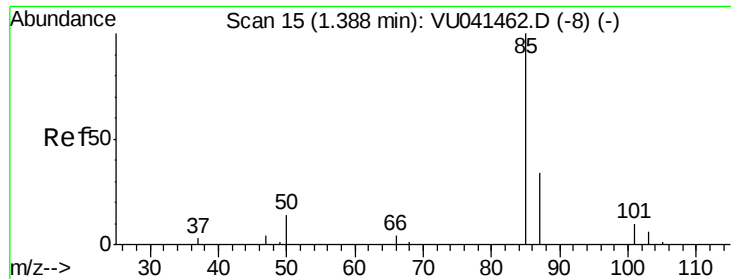
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_U
ClientSampleId :
VSTD00529

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.692 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

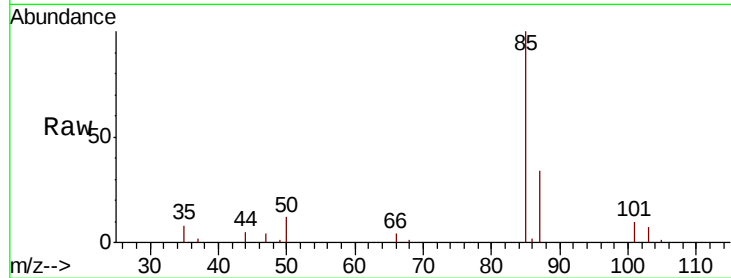
VSTD00529

Tot Ion: 85 Resp: 23514

Ion Ratio Lower Upper

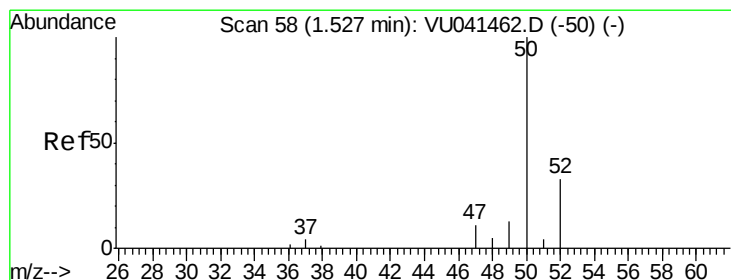
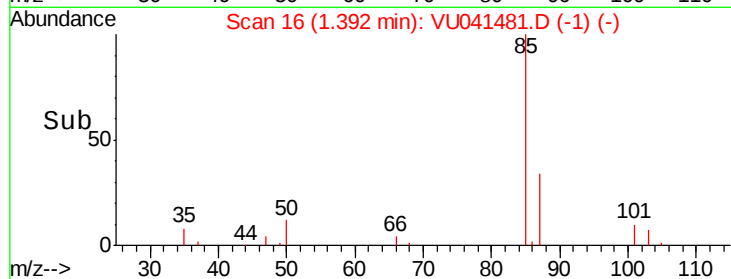
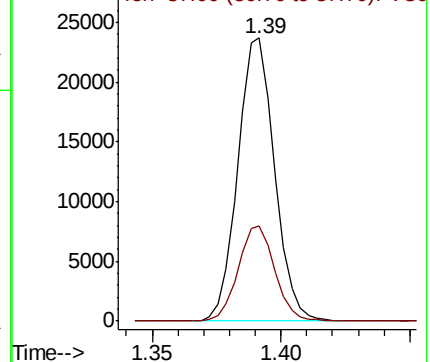
85 100

87 33.3 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.297 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041481.D

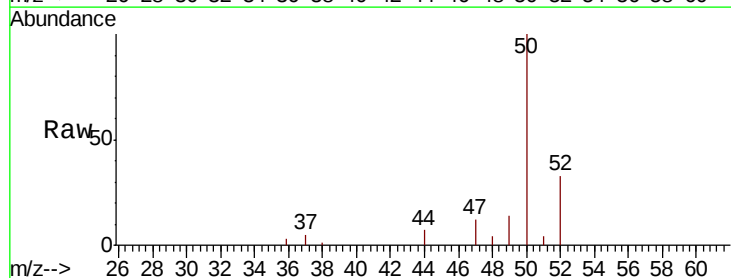
Acq: 07 Dec 2020 09:43

Tgt Ion: 50 Resp: 13920

Ion Ratio Lower Upper

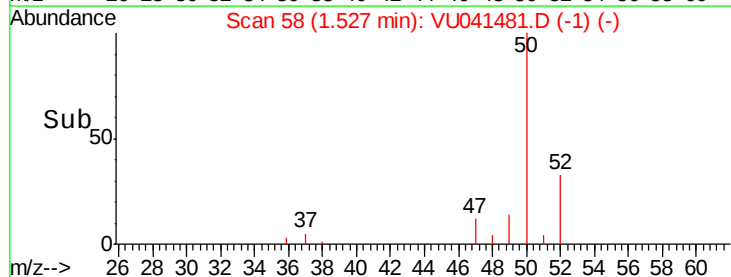
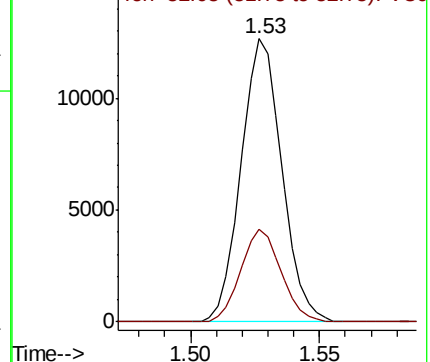
50 100

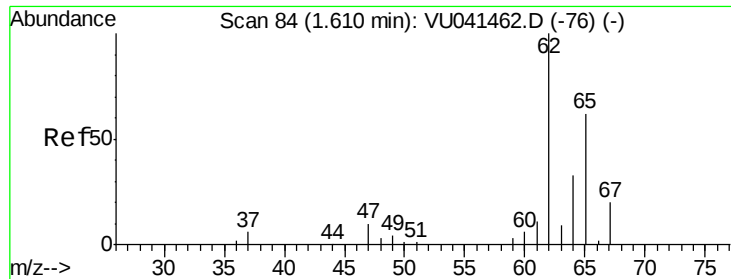
52 32.6 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.239 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

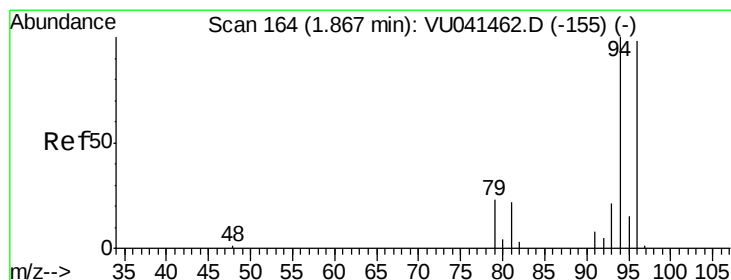
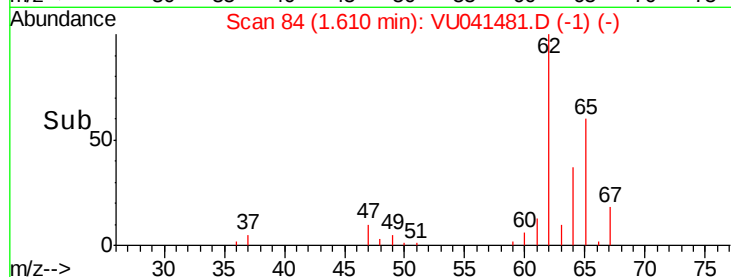
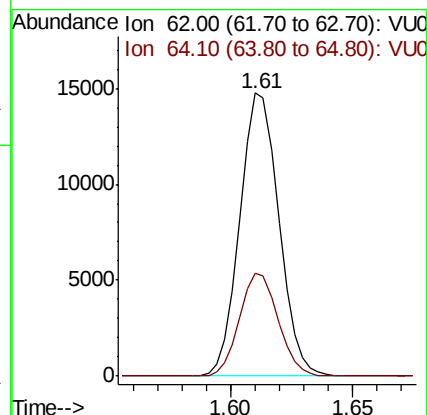
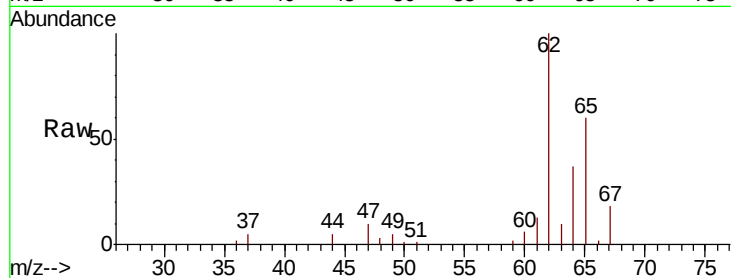
VSTD00529

Tot Ion: 62 Resp: 16372

Ion Ratio Lower Upper

62 100

64 36.5 23.0 42.8



#6

Bromomethane

Concen: 4.783 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041481.D

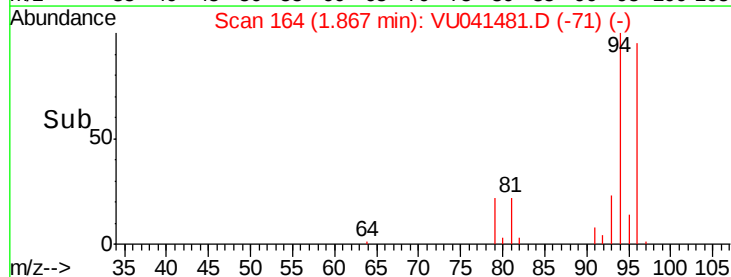
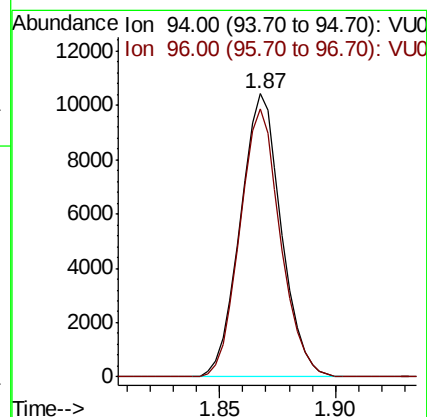
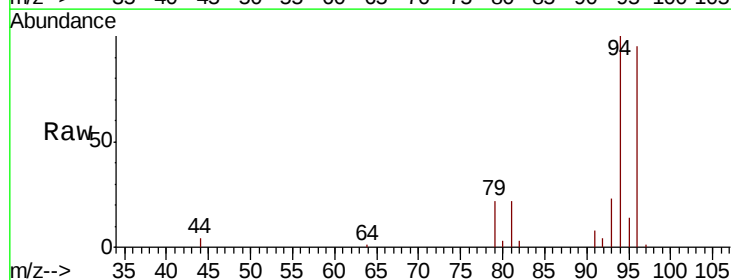
Acq: 07 Dec 2020 09:43

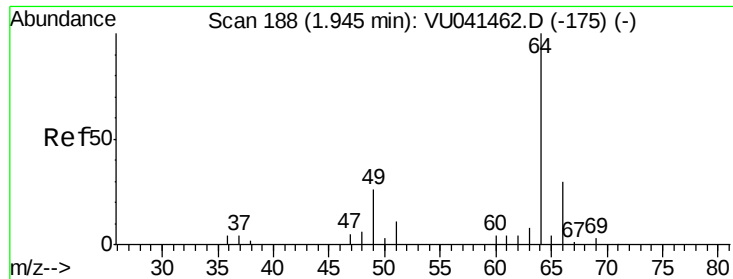
Tgt Ion: 94 Resp: 12772

Ion Ratio Lower Upper

94 100

96 94.6 68.5 127.1

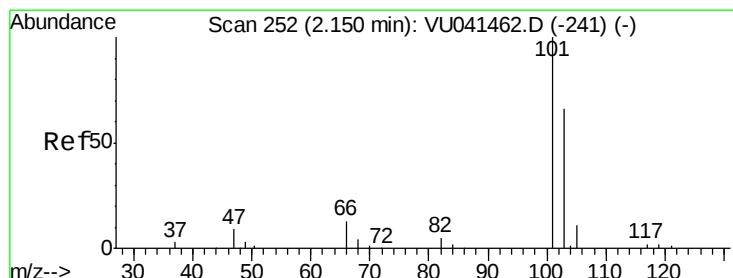
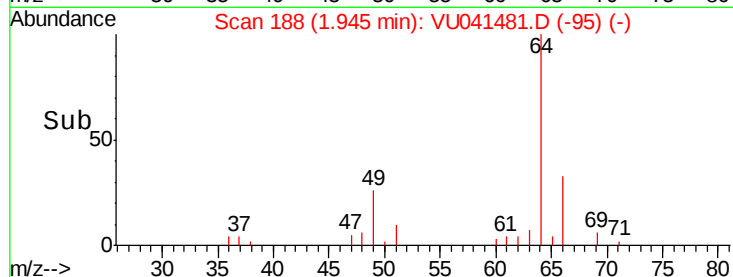
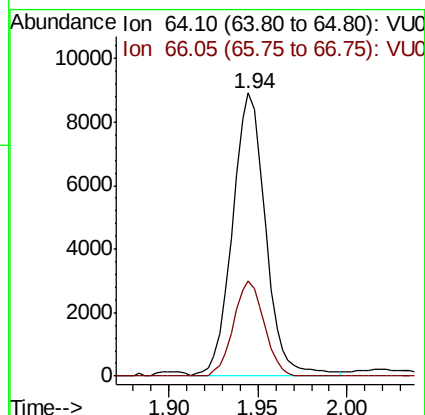
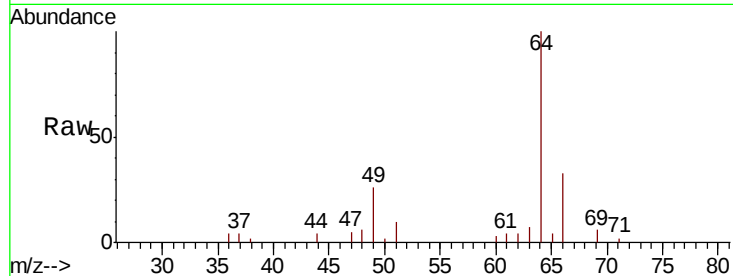




#8
Chloroethane
Concen: 4.591 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU041481.D
Acq: 07 Dec 2020 09:43

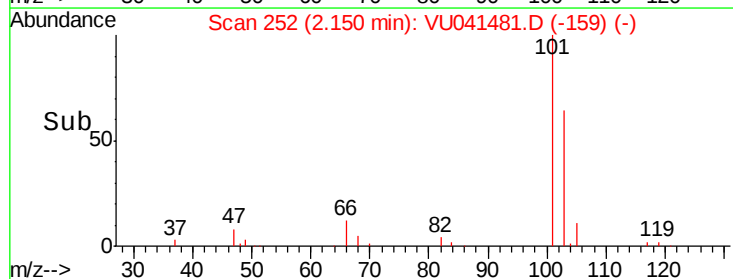
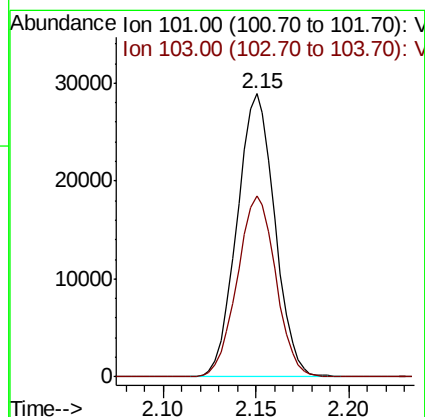
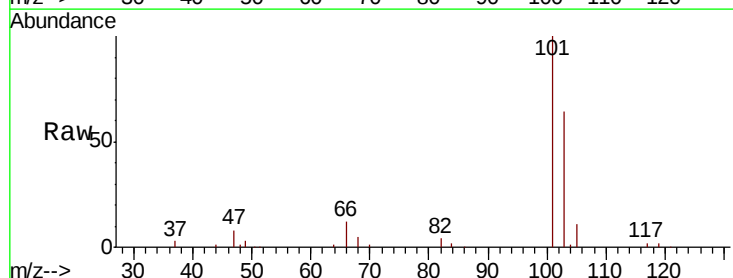
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VSTD00529

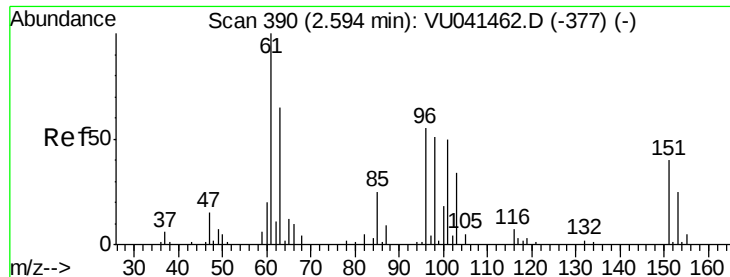
Tot Ion: 64 Resp: 11534
Ion Ratio Lower Upper
64 100
66 33.4 20.9 38.9



#9
Trichlorofluoromethane
Concen: 4.741 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU041481.D
Acq: 07 Dec 2020 09:43

Tgt Ion: 101 Resp: 40789
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.0





#10

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

Concen: 4.613 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

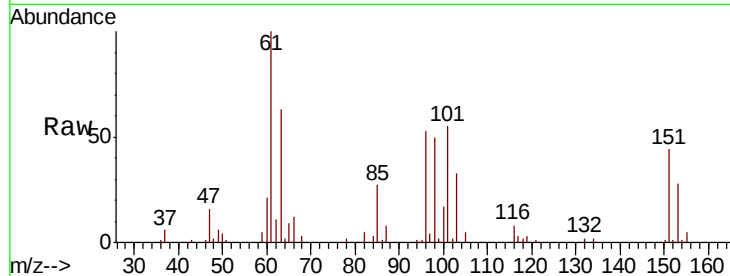
Tot Ion:101 Resp: 17790

Ion Ratio Lower Upper

101 100

85 46.9 39.4 59.2

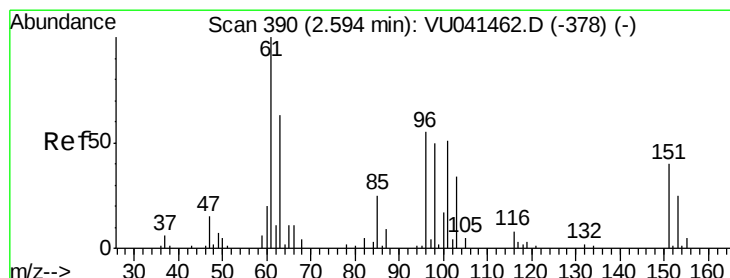
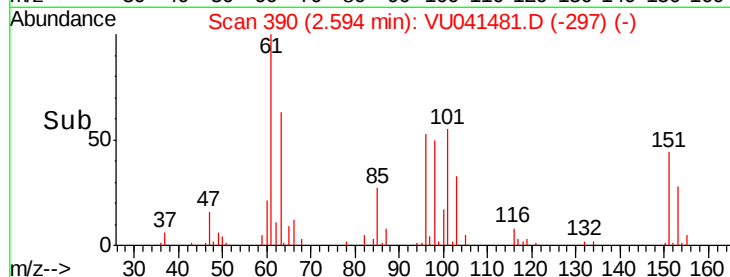
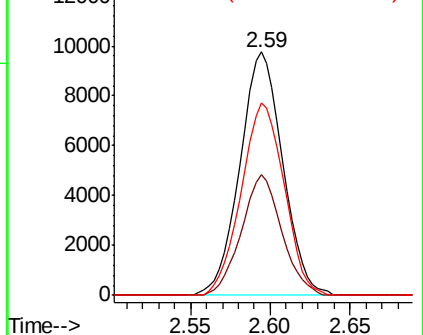
151 79.3 63.8 95.8



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: 4.488 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

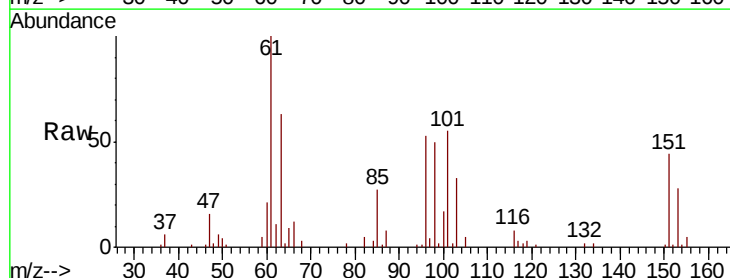
Tgt Ion: 96 Resp: 14872

Ion Ratio Lower Upper

96 100

61 189.3 127.8 237.4

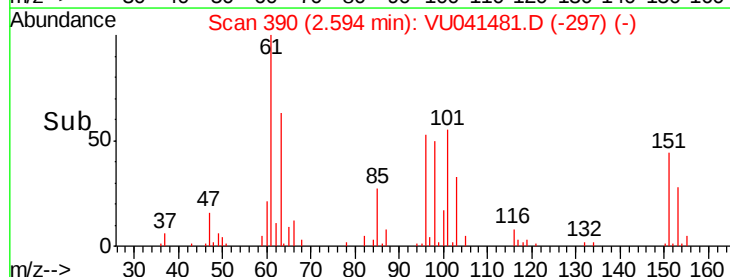
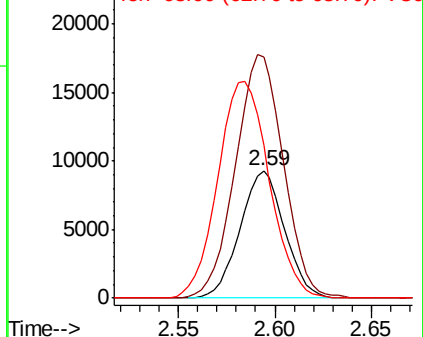
63 119.4 86.2 160.0

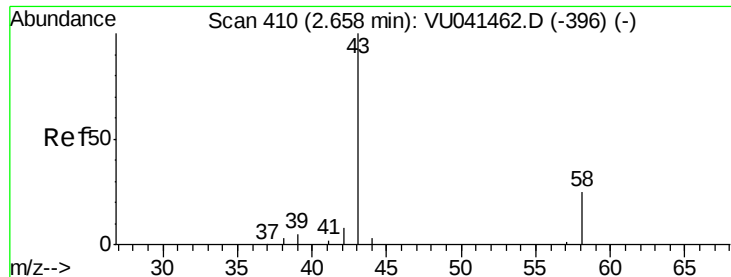


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.955 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

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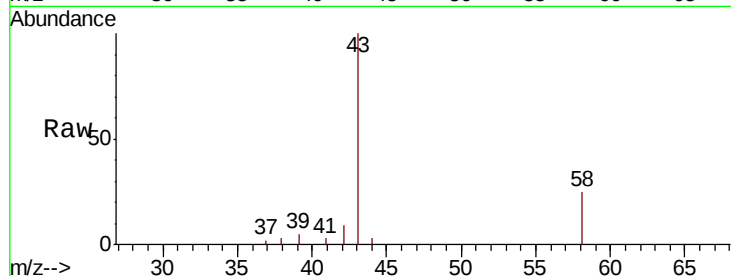
VSTD00529

Tot Ion: 43 Resp: 39006

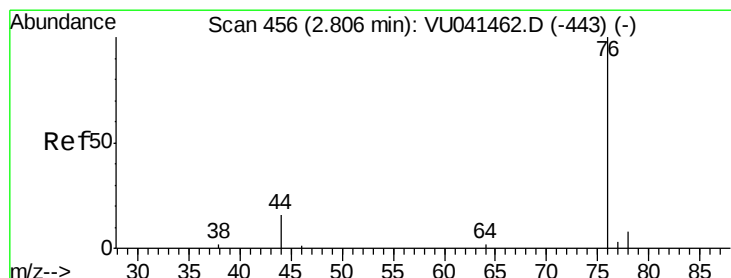
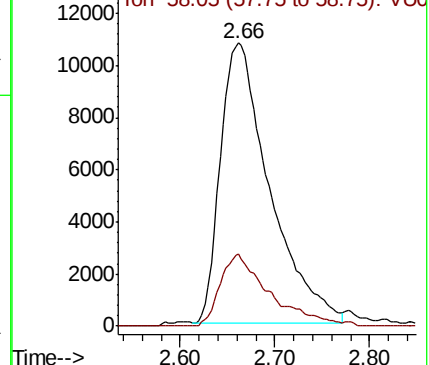
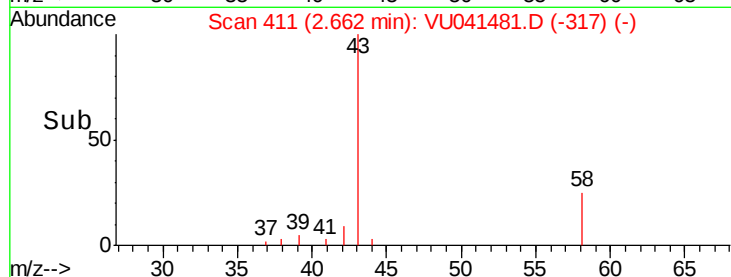
Ion Ratio Lower Upper

43 100

58 25.4 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU041481.D (-317) (-)



#14

Carbon disulfide

Concen: 4.358 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041481.D

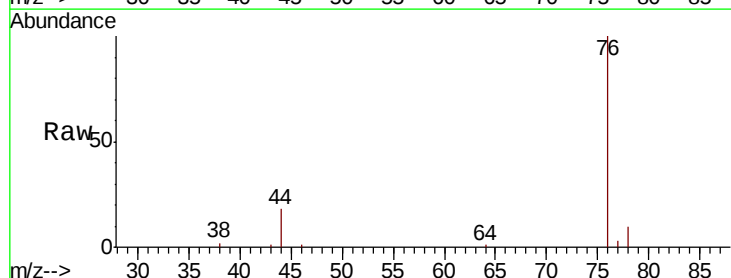
Acq: 07 Dec 2020 09:43

Tgt Ion: 76 Resp: 44517

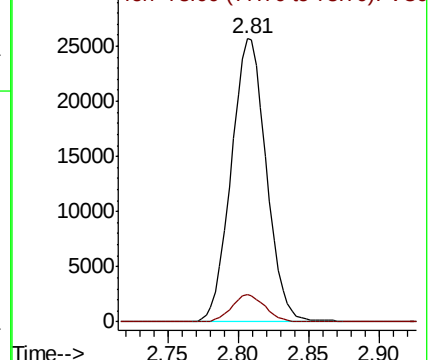
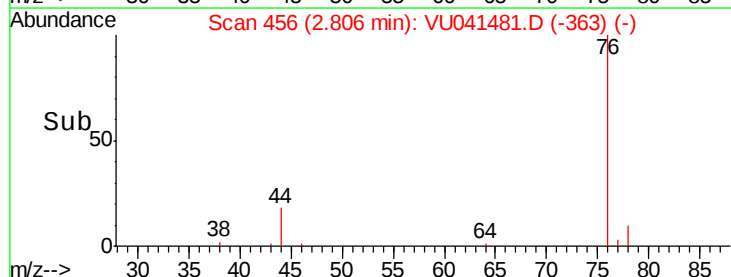
Ion Ratio Lower Upper

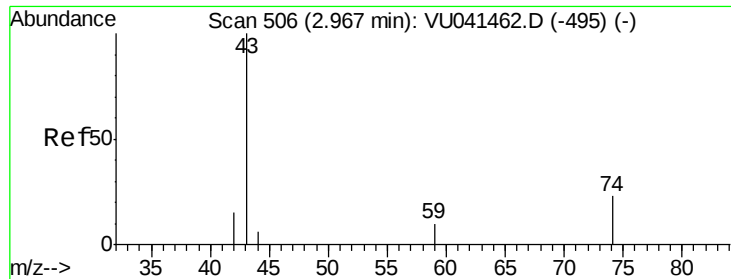
76 100

78 9.7 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU041481.D (-363) (-)





#15

Methvl Acetate

Concen: 4.910 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

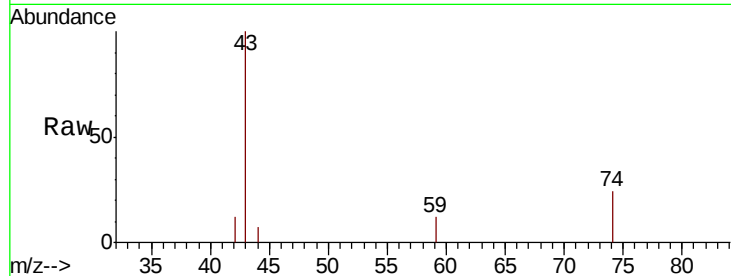
VSTD00529

Tot Ion: 43 Resp: 7626

Ion Ratio Lower Upper

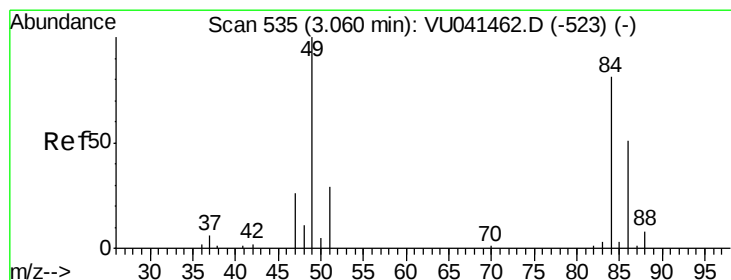
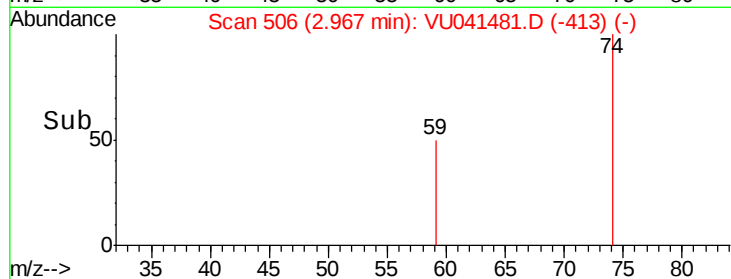
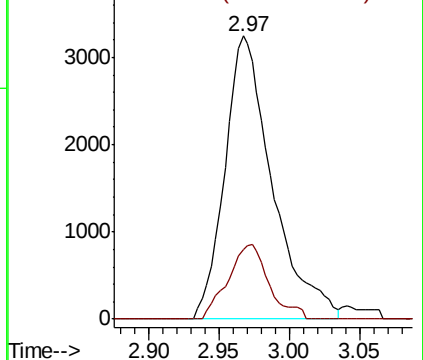
43 100

74 22.8 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: 3.896 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

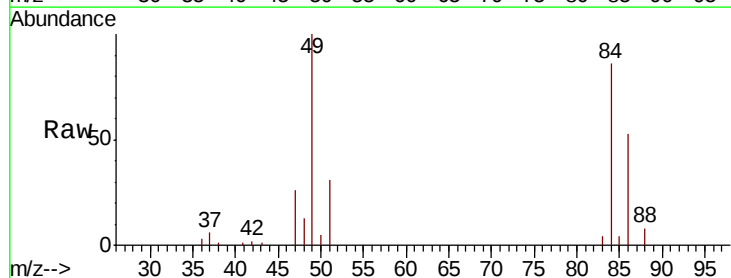
Tgt Ion: 84 Resp: 17231

Ion Ratio Lower Upper

84 100

86 61.2 44.1 81.9

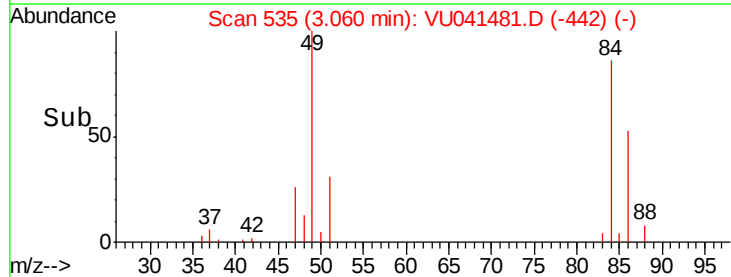
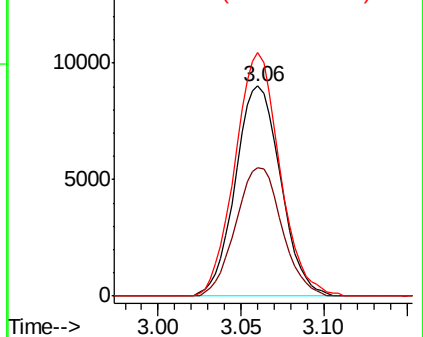
49 116.0 86.1 159.9

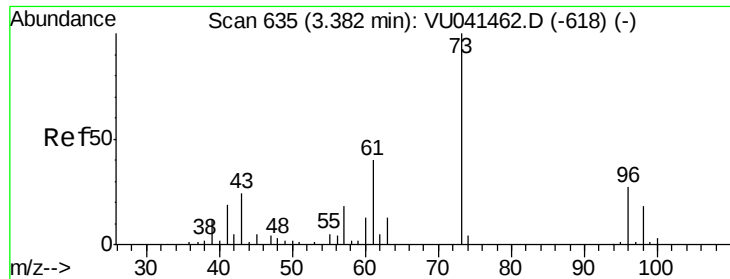


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

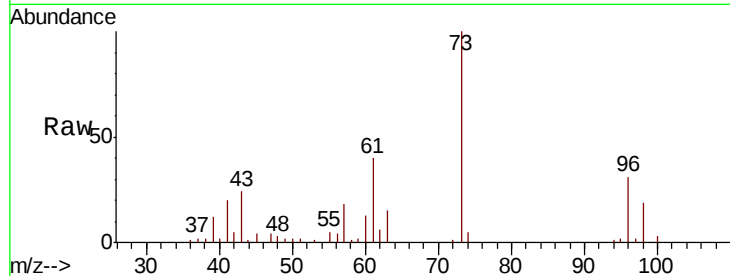




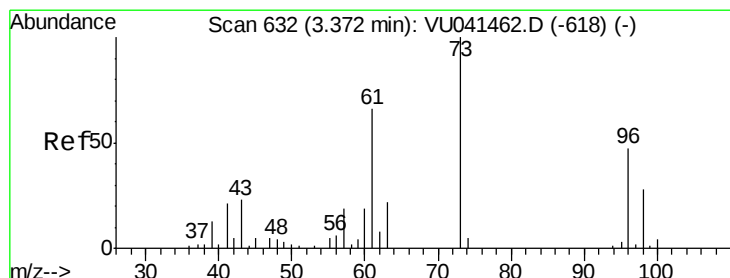
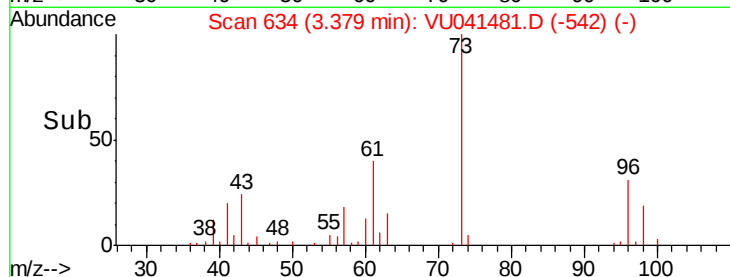
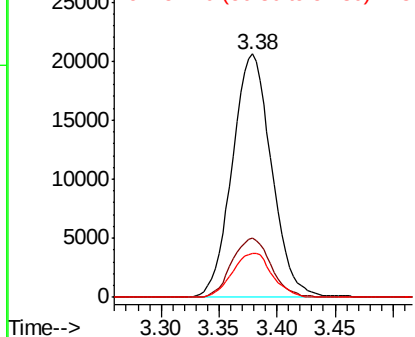
#17
Methvl tert-butvl Ether
Concen: 4.835 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041481.D
Acq: 07 Dec 2020 09:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion: 73 Resp: 48612
Ion Ratio Lower Upper
73 100
43 24.2 19.1 28.7
57 18.2 15.5 23.3

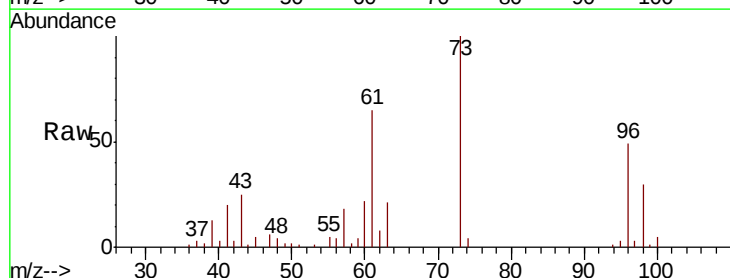


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

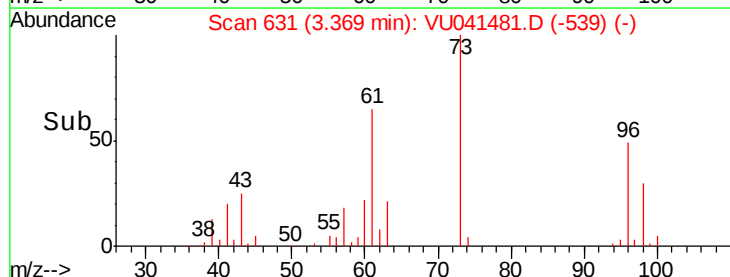
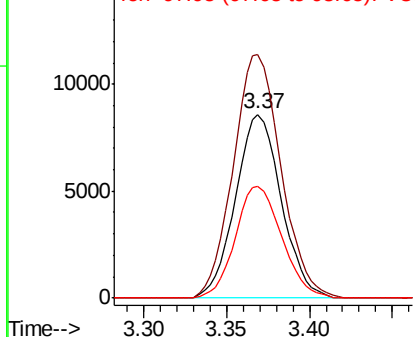


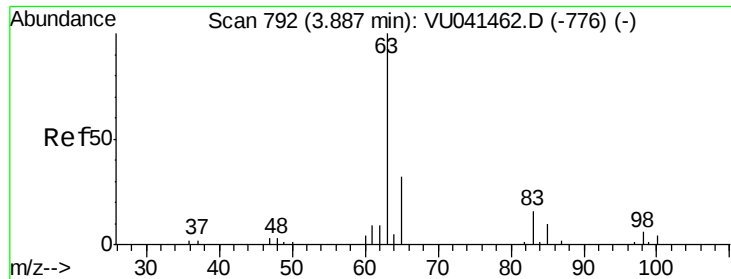
#18
trans-1,2-Dichloroethene
Concen: 4.922 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041481.D
Acq: 07 Dec 2020 09:43

Tgt Ion: 96 Resp: 16472
Ion Ratio Lower Upper
96 100
61 132.3 98.8 183.4
98 60.8 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

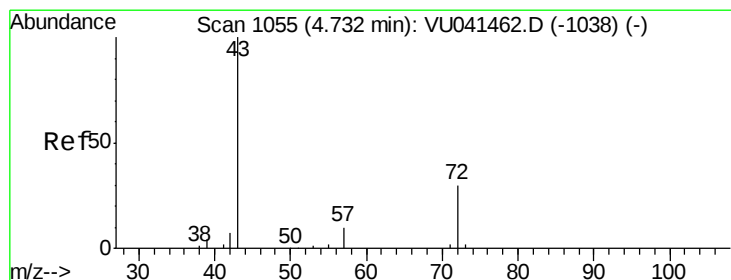
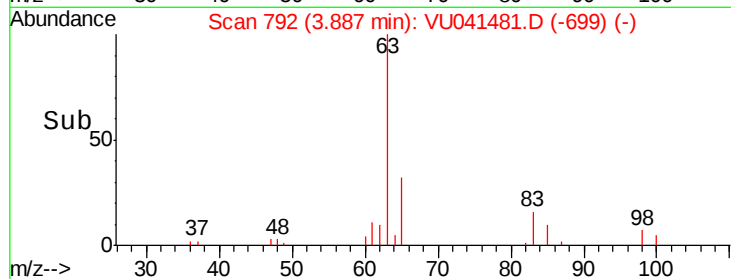
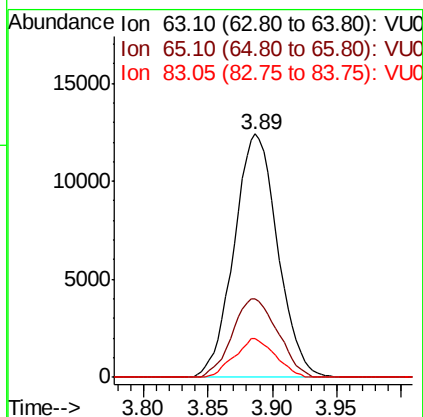
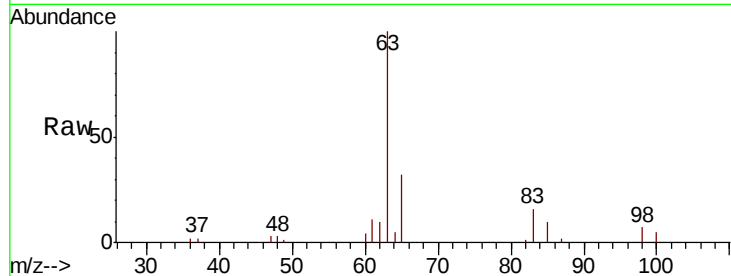




#19
 1,1-Dichloroethane
 Concen: 4.721 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041481.D
 Acq: 07 Dec 2020 09:43

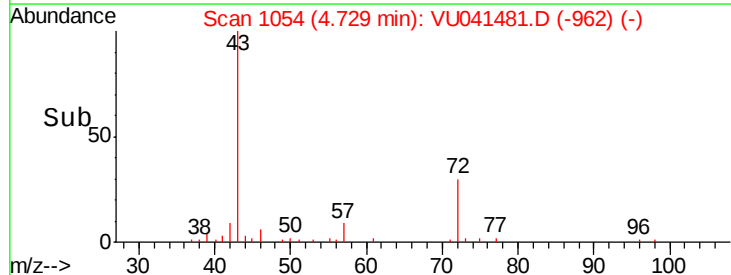
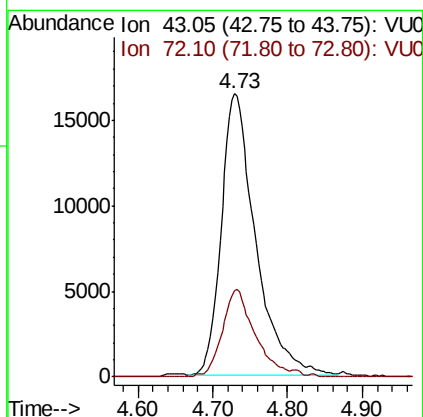
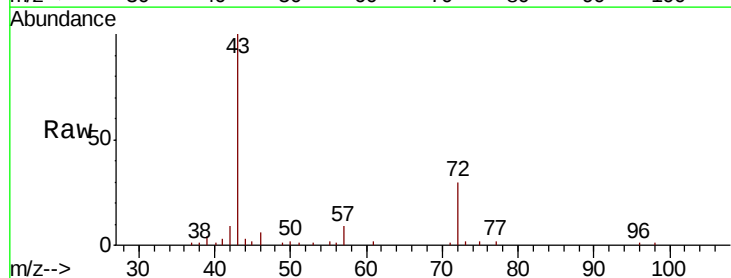
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

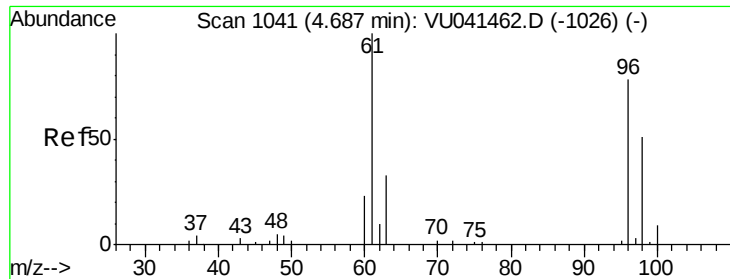
Tot Ion: 63 Resp: 29194
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.3 41.5
 83 16.2 11.1 20.7



#21
 2-Butanone
 Concen: 48.939 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VU041481.D
 Acq: 07 Dec 2020 09:43

Tgt Ion: 43 Resp: 51977
 Ion Ratio Lower Upper
 43 100
 72 29.5 15.7 47.1





#22

cis-1,2-Dichloroethene

Concen: 4.691 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

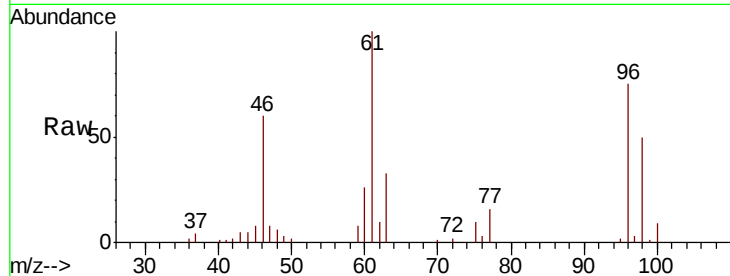
Tot Ion: 96 Resp: 17409

Ion Ratio Lower Upper

96 100

61 133.0 90.5 168.1

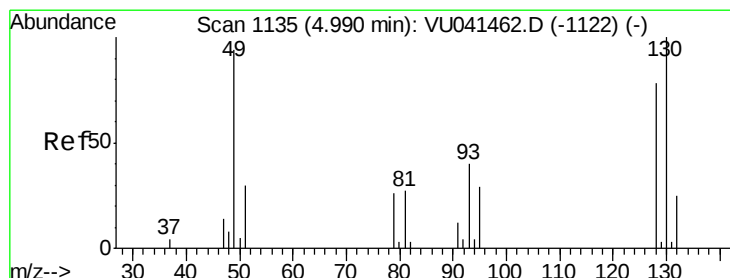
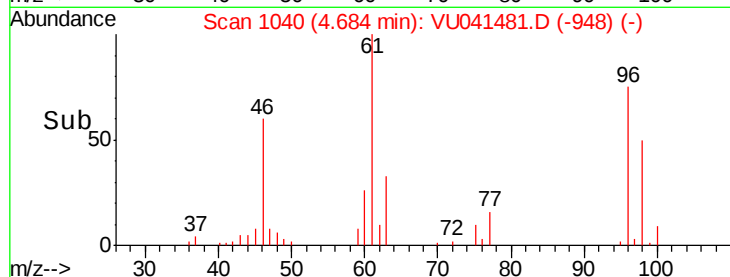
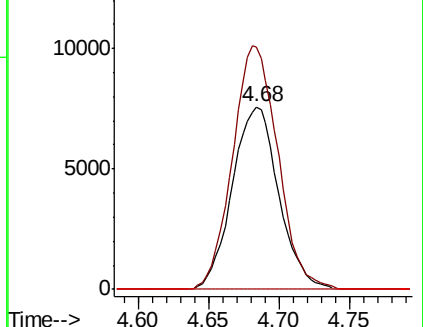
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041481.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU041481.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU041481.D (-948) (-)



#23

Bromochloromethane

Concen: 4.966 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Tgt Ion: 128 Resp: 9633

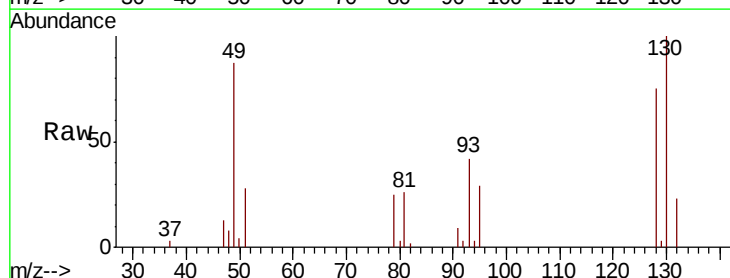
Ion Ratio Lower Upper

128 100

49 115.5 84.2 156.4

130 132.5 89.9 167.0

51 36.9 30.4 45.6

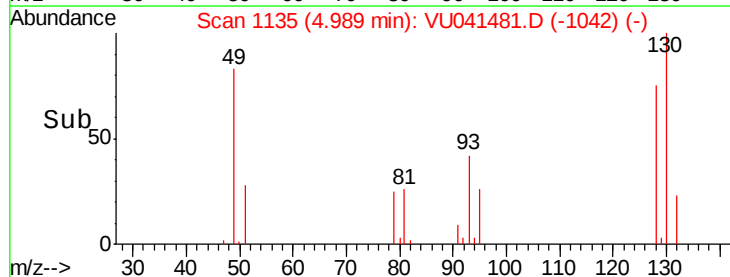
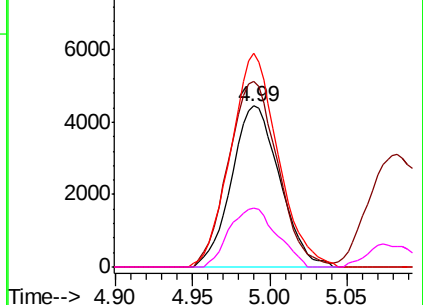


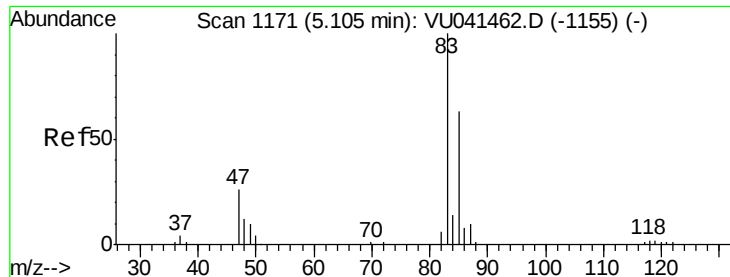
Abundance Ion 127.90 (127.60 to 128.60): VU041481.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU041481.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU041481.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU041481.D (-1042) (-)

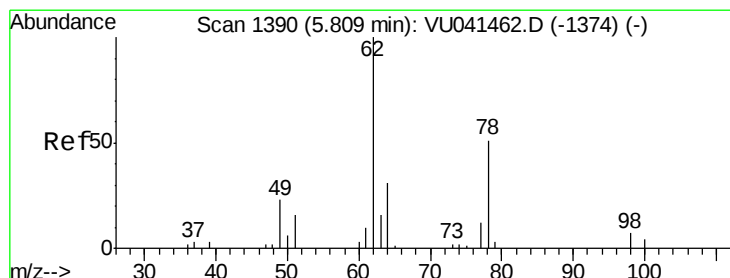
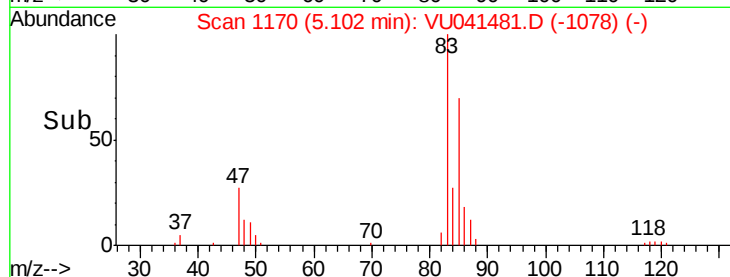
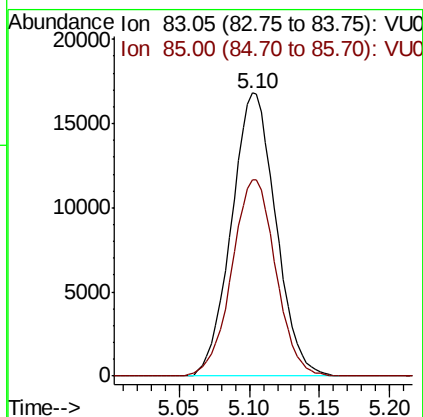
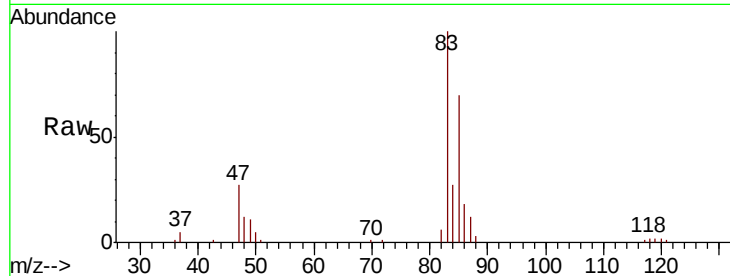




#25
Chloroform
Concen: 4.690 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041481.D
Acq: 07 Dec 2020 09:43

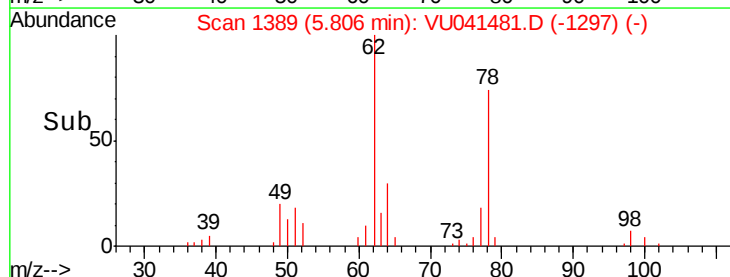
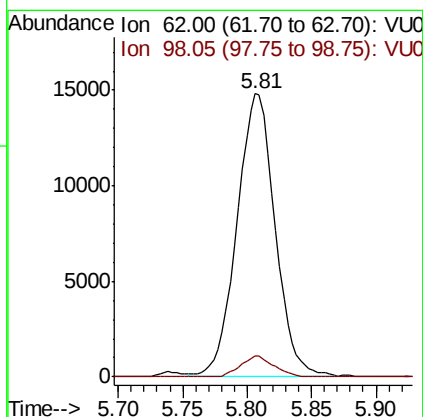
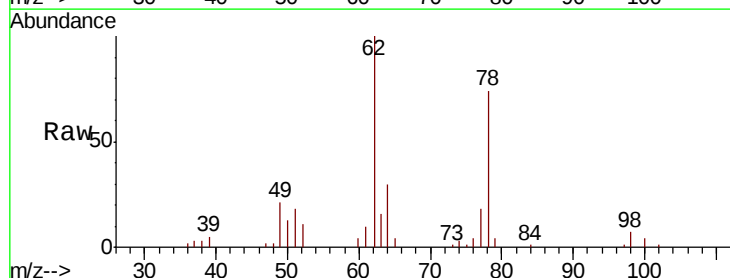
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

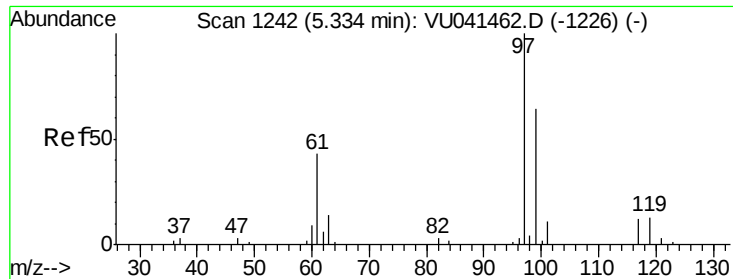
Tot Ion: 83 Resp: 36943
Ion Ratio Lower Upper
83 100
85 69.5 44.7 82.9



#27
1,2-Dichloroethane
Concen: 4.968 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041481.D
Acq: 07 Dec 2020 09:43

Tgt Ion: 62 Resp: 30586
Ion Ratio Lower Upper
62 100
98 7.5 5.7 8.5

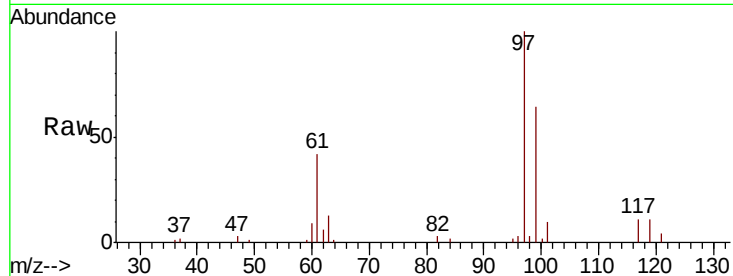




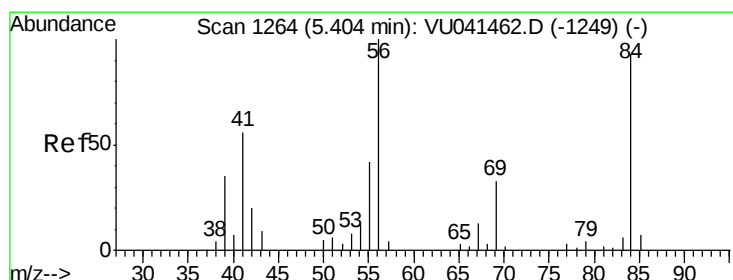
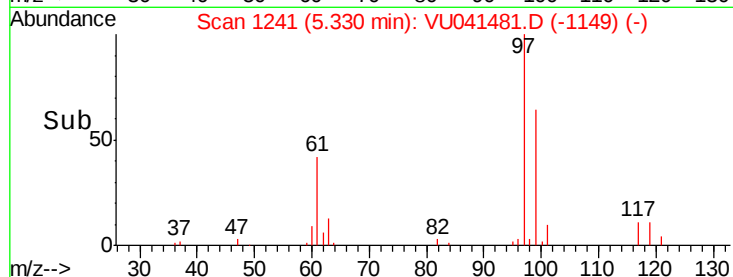
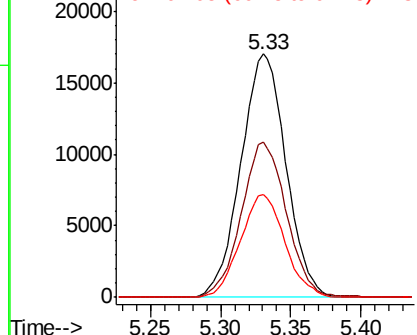
#29
 1,1,1-Trichloroethane
 Concen: 4.995 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041481.D
 Acq: 07 Dec 2020 09:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion: 97 Resp: 37992
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.0 76.6
 61 41.7 34.6 52.0

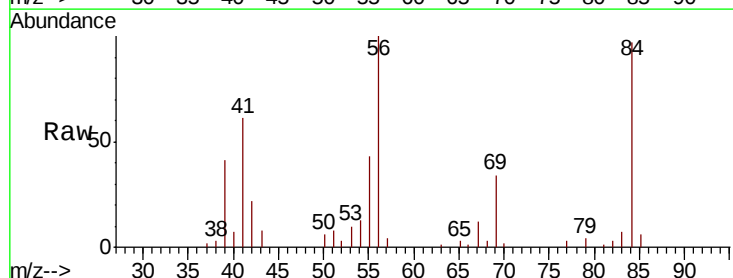


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

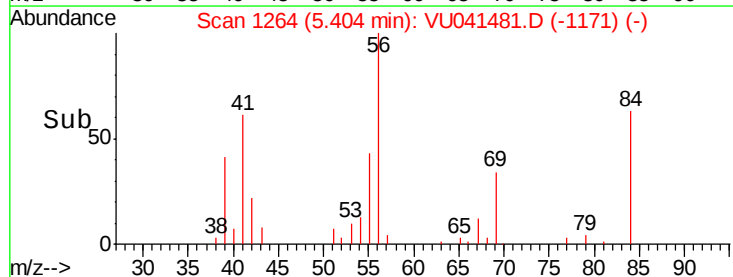
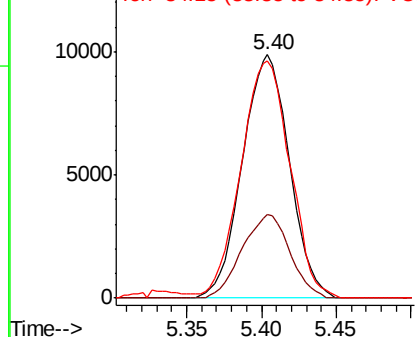


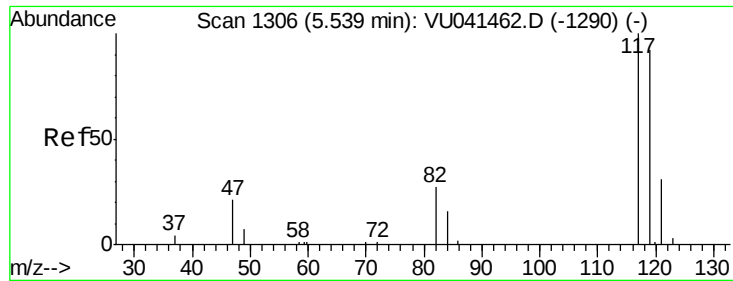
#30
 Cyclohexane
 Concen: 4.519 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041481.D
 Acq: 07 Dec 2020 09:43

Tgt Ion: 56 Resp: 21612
 Ion Ratio Lower Upper
 56 100
 69 34.6 25.9 38.9
 84 101.9 74.9 112.3



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





#31

Carbon tetrachloride

Concen: 5.099 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

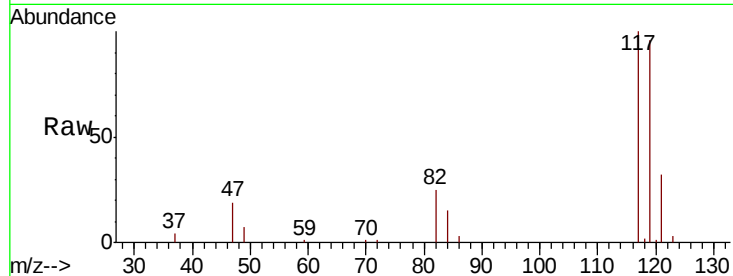
VSTD00529

Tot Ion:117 Resp: 35912

Ion Ratio Lower Upper

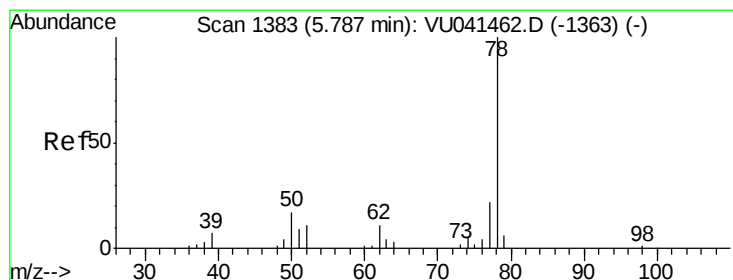
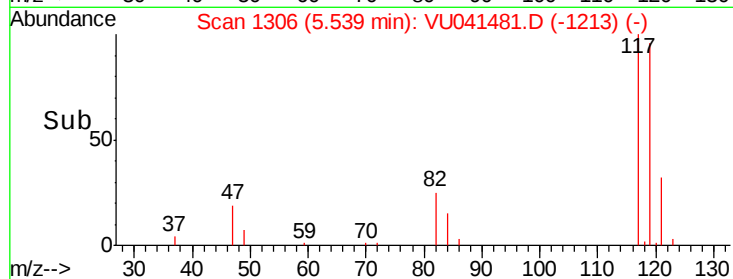
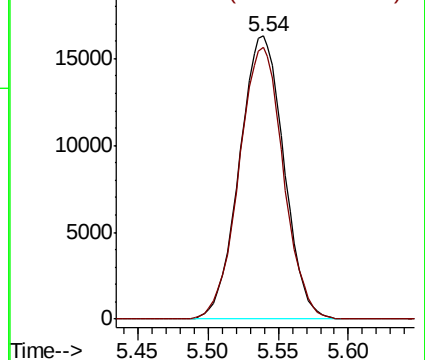
117 100

119 96.1 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.847 ug/L

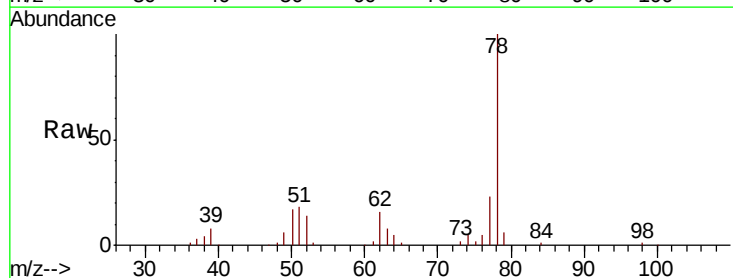
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

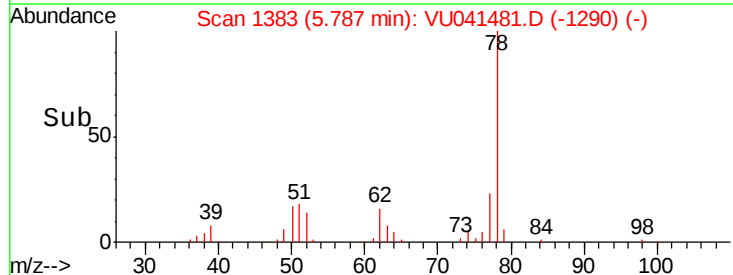
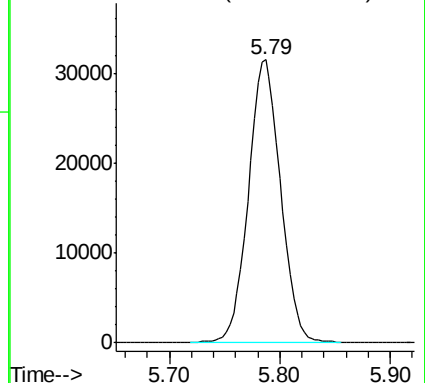
Lab File: VU041481.D

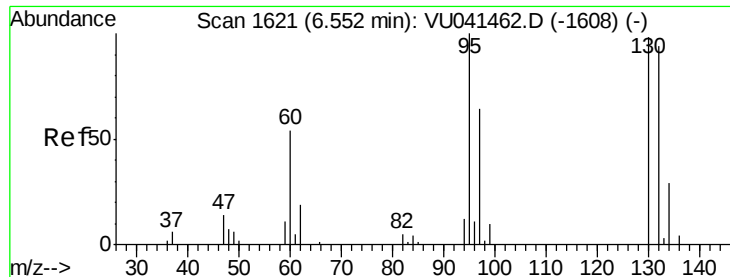
Acq: 07 Dec 2020 09:43

Tgt Ion: 78 Resp: 63671



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.008 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

Tot Ion: 95 Resp: 19855

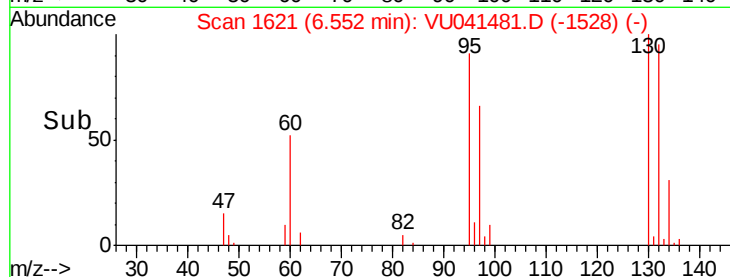
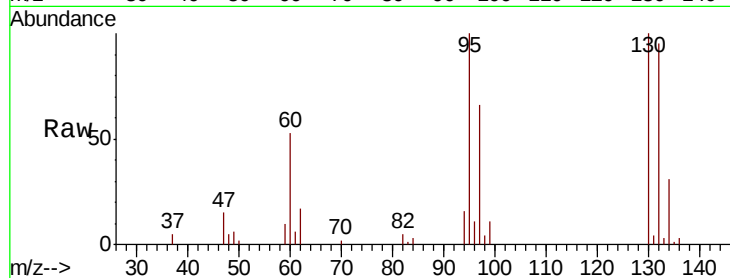
Ion Ratio Lower Upper

95 100

97 66.2 44.7 83.1

132 94.8 65.7 121.9

130 99.8 68.8 127.8

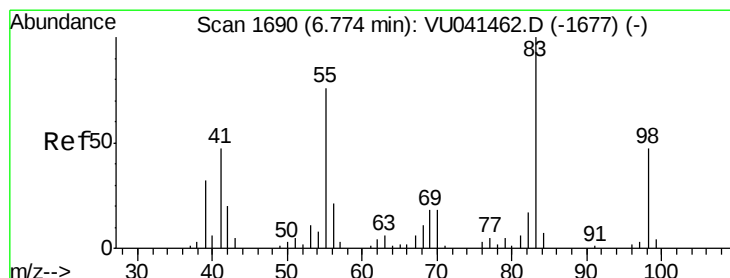
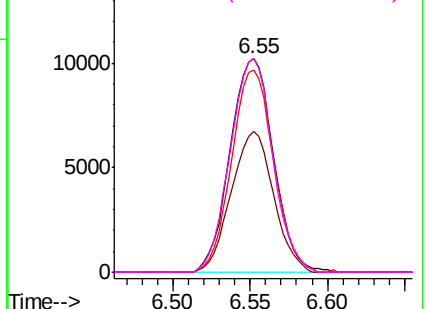


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.889 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

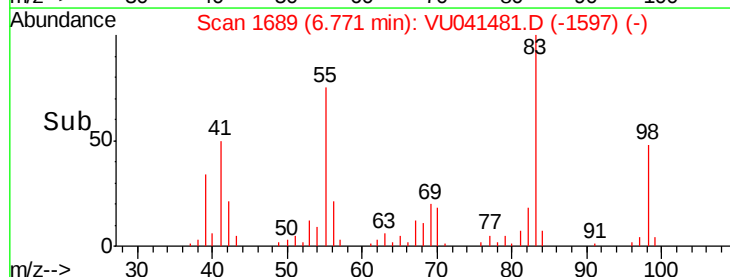
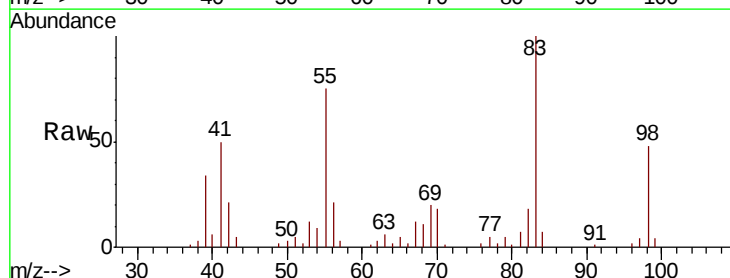
Tgt Ion: 83 Resp: 26443

Ion Ratio Lower Upper

83 100

55 76.1 62.1 93.1

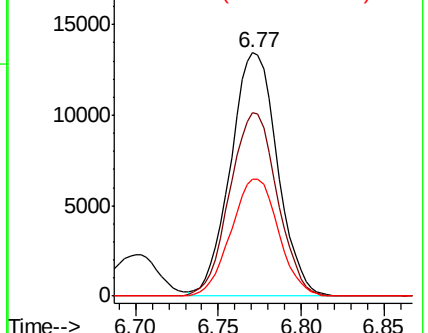
98 48.7 38.7 58.1

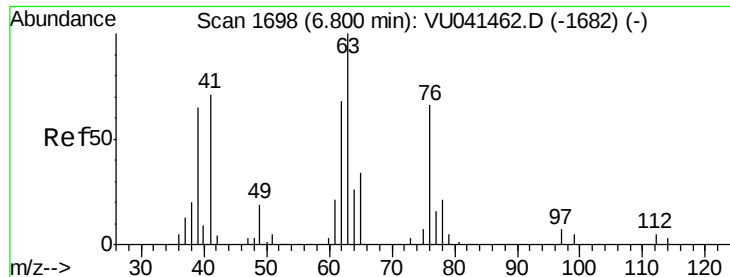


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

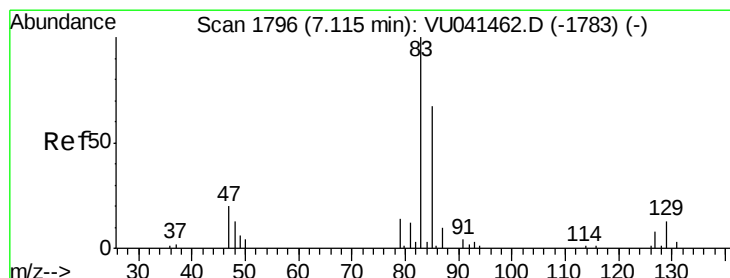
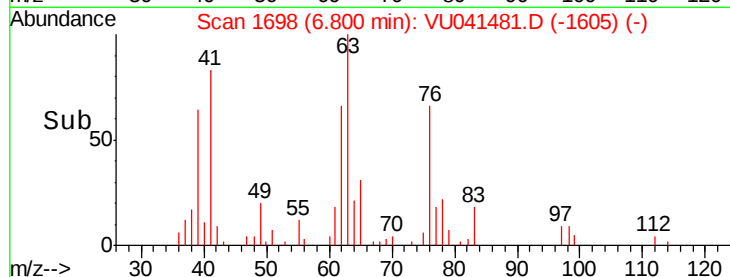
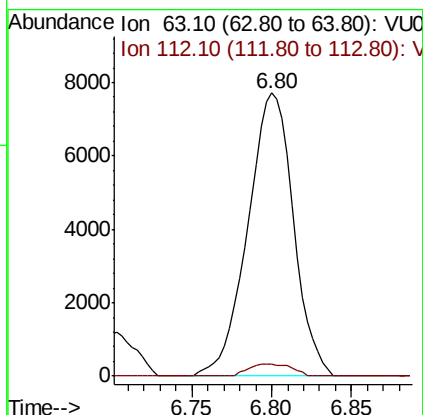
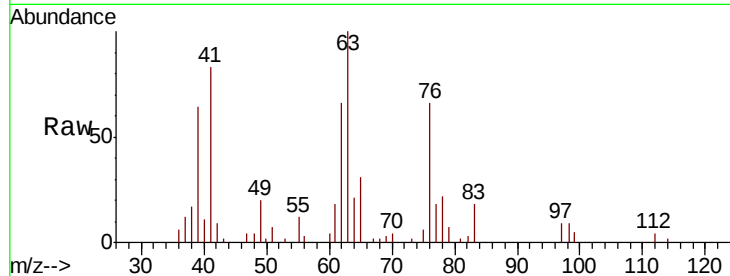




#37
 1,2-Dichloropropane
 Concen: 4.913 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041481.D
 Acq: 07 Dec 2020 09:43

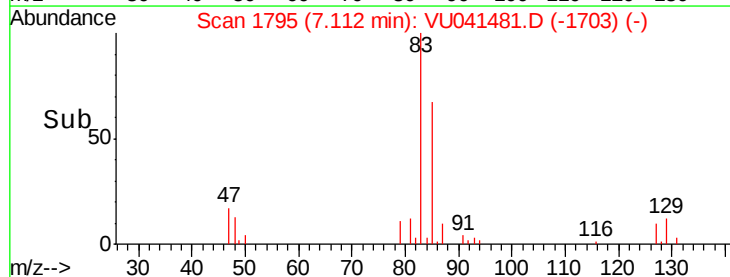
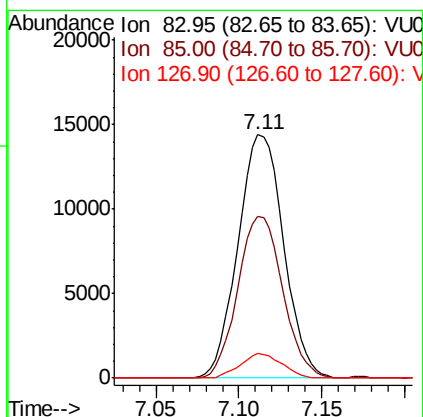
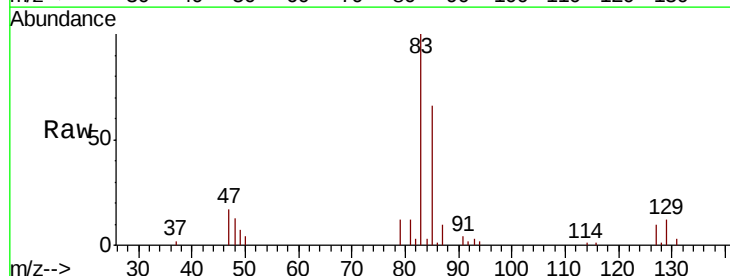
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

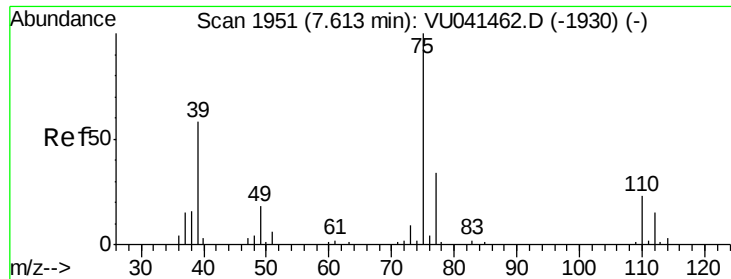
Tot Ion: 63 Resp: 15124
 Ion Ratio Lower Upper
 63 100
 112 4.0 4.2 6.2#



#38
 Bromodichloromethane
 Concen: 4.914 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU041481.D
 Acq: 07 Dec 2020 09:43

Tgt Ion: 83 Resp: 27633
 Ion Ratio Lower Upper
 83 100
 85 66.3 46.7 86.7
 127 10.0 6.6 10.0#

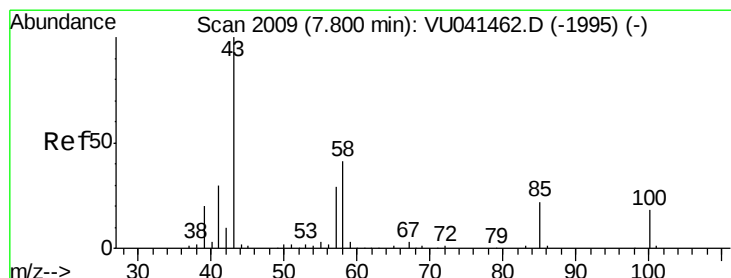
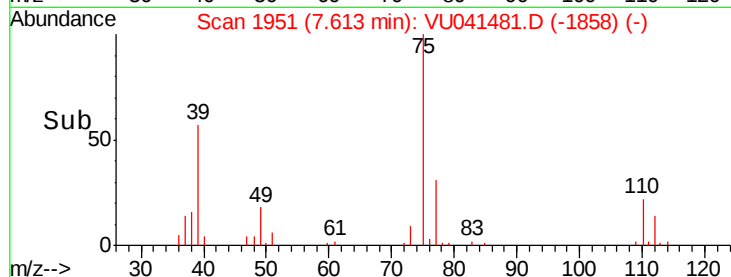
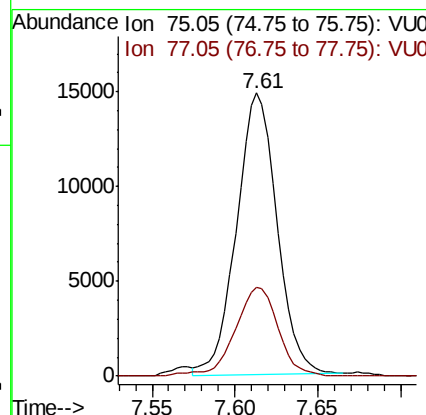
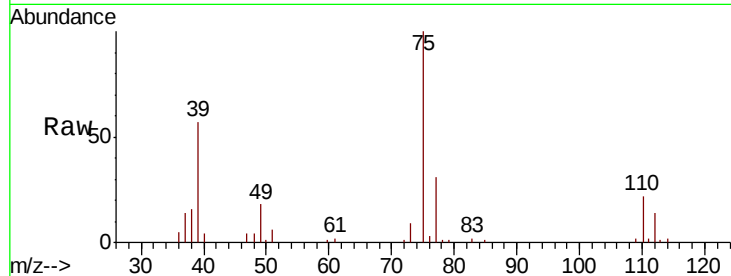




#39
 cis-1,3-Dichloropropene
 Concen: 4.526 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041481.D
 Acq: 07 Dec 2020 09:43

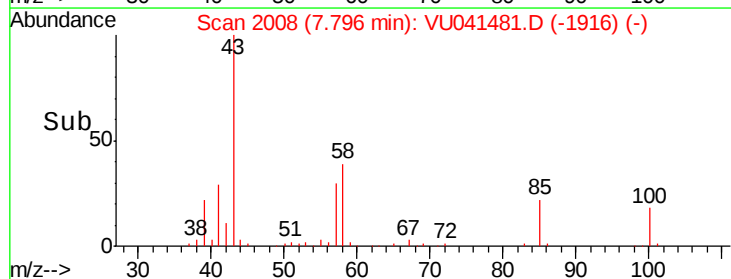
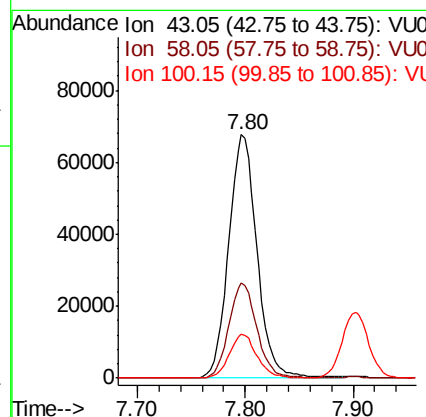
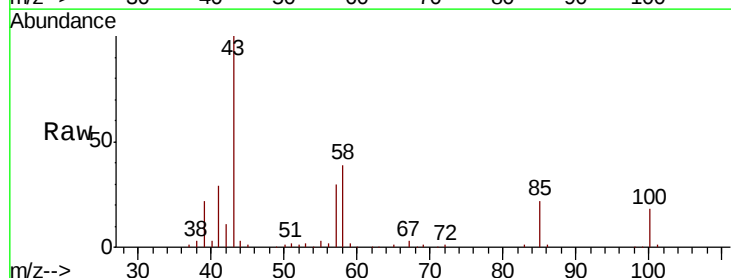
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

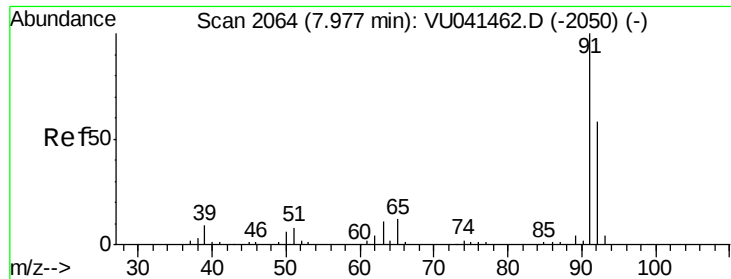
Tot Ion: 75 Resp: 25171
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.0 44.6



#40
 4-Methyl-2-pentanone
 Concen: 50.161 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU041481.D
 Acq: 07 Dec 2020 09:43

Tgt Ion: 43 Resp: 123714
 Ion Ratio Lower Upper
 43 100
 58 38.6 32.0 48.0
 100 17.4 14.2 21.2





#42

Toluene

Concen: 4.744 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

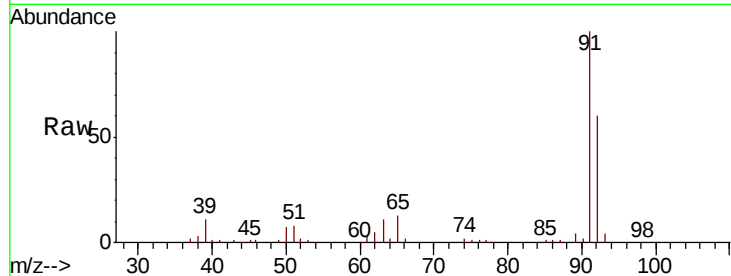
VSTD00529

Tot Ion: 91 Resp: 70133

Ion Ratio Lower Upper

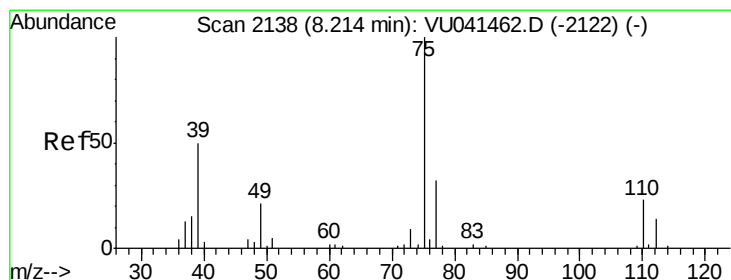
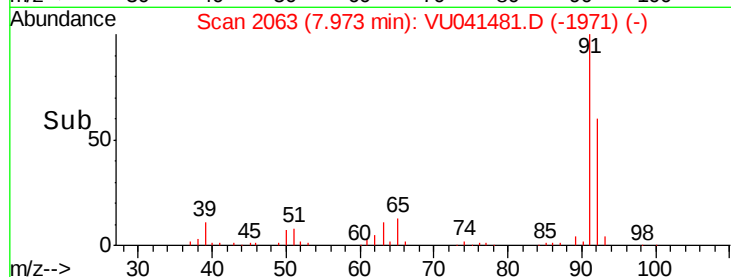
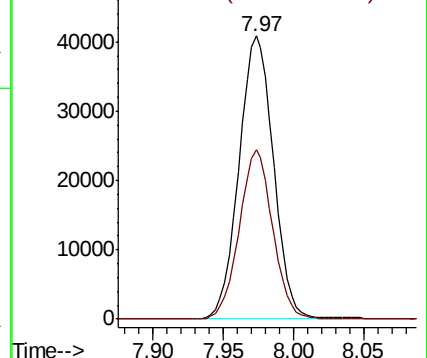
91 100

92 59.8 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.959 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041481.D

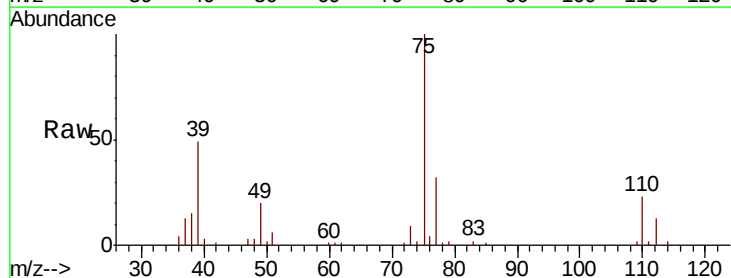
Acq: 07 Dec 2020 09:43

Tgt Ion: 75 Resp: 27544

Ion Ratio Lower Upper

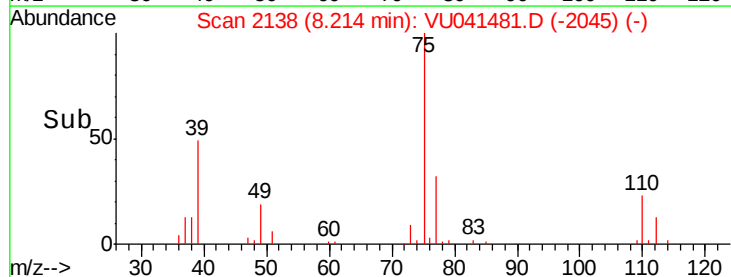
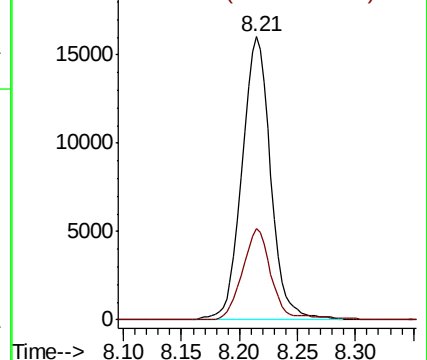
75 100

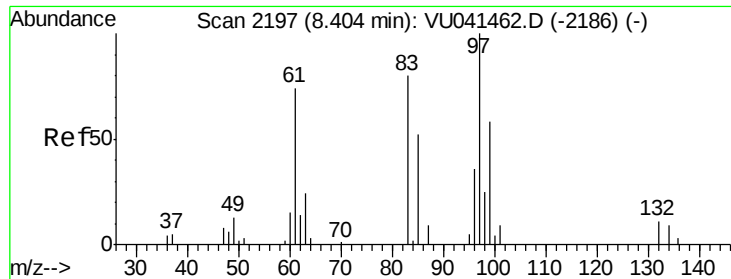
77 32.3 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

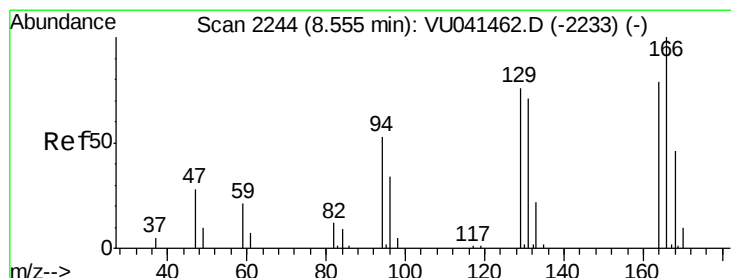
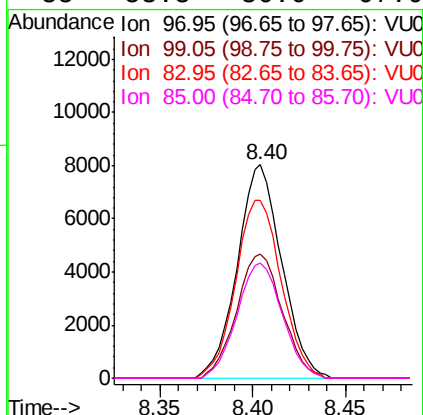
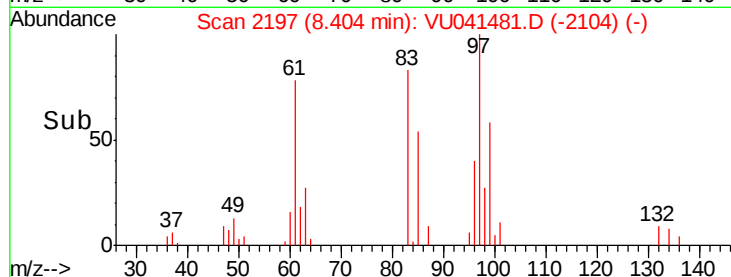
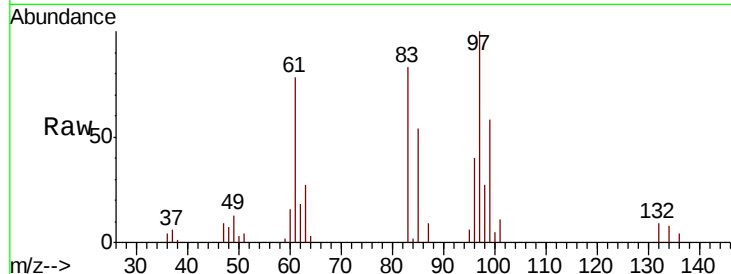




#45
1,1,2-Trichloroethane
Concen: 4.503 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041481.D
Acq: 07 Dec 2020 09:43

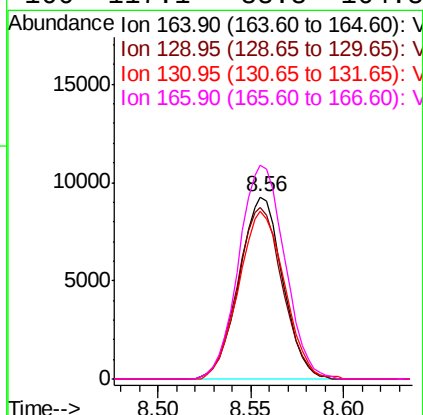
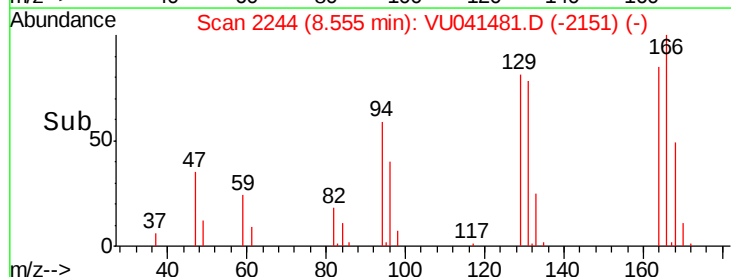
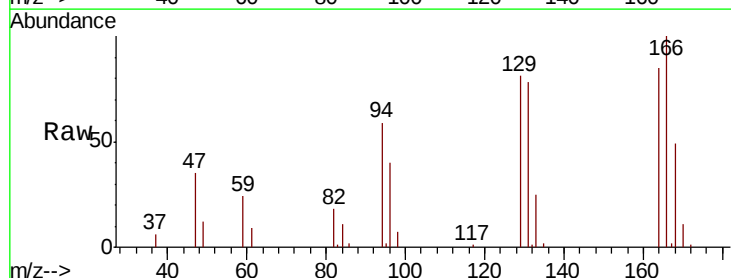
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

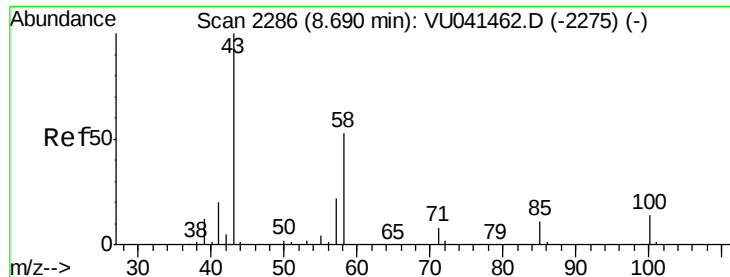
Tot Ion:	97	Resp:	13369
Ion	Ratio	Lower	Upper
97	100		
99	58.3	40.7	75.7
83	83.1	56.2	104.4
85	53.8	36.0	67.0



#47
Tetrachloroethene
Concen: 4.808 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041481.D
Acq: 07 Dec 2020 09:43

Tgt Ion:	164	Resp:	15055
Ion	Ratio	Lower	Upper
164	100		
129	94.3	67.1	124.7
131	91.9	63.3	117.7
166	117.1	88.8	164.8

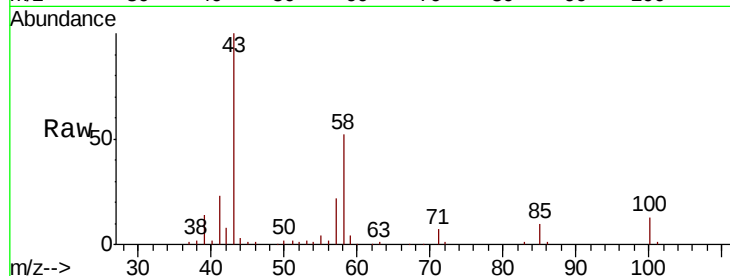




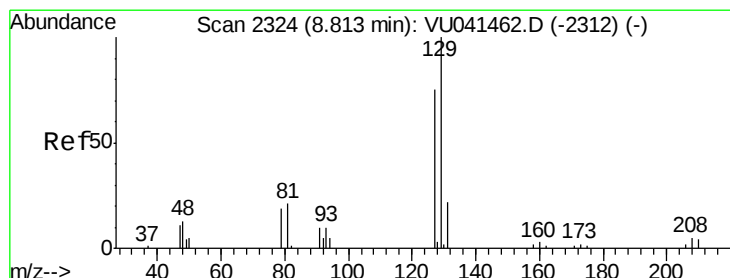
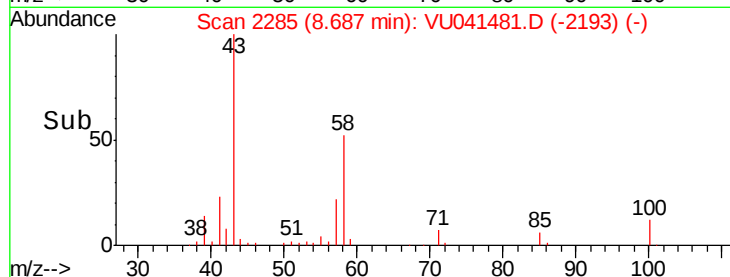
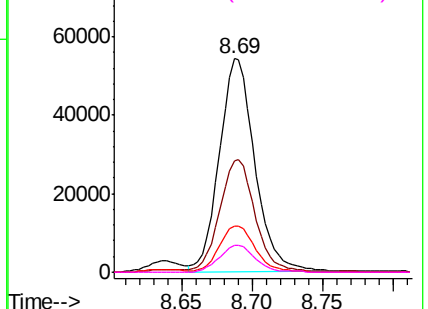
#48
2-Hexanone
Concen: 47.827 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041481.D
Acq: 07 Dec 2020 09:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion: 43 Resp: 94784
Ion Ratio Lower Upper
43 100
58 51.9 41.4 62.0
57 21.7 17.1 25.7
100 13.0 10.6 16.0

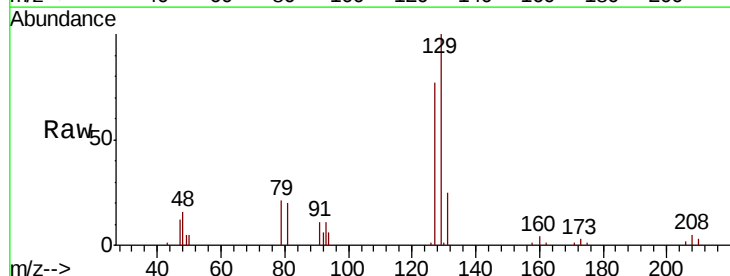


Abundance Ion 43.05 (42.75 to 43.75): VU041481.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU041481.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU041481.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU041481.D (-2193) (-)

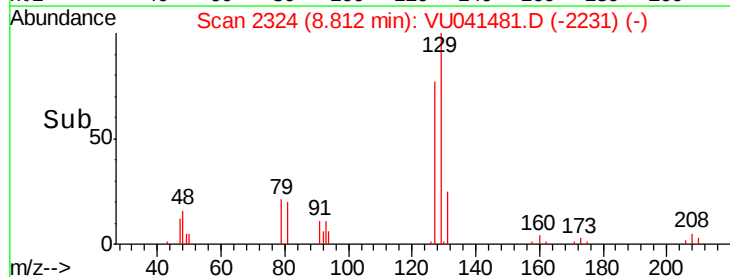
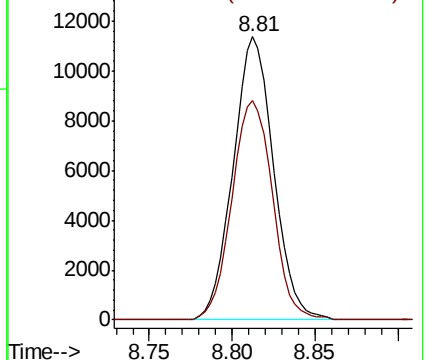


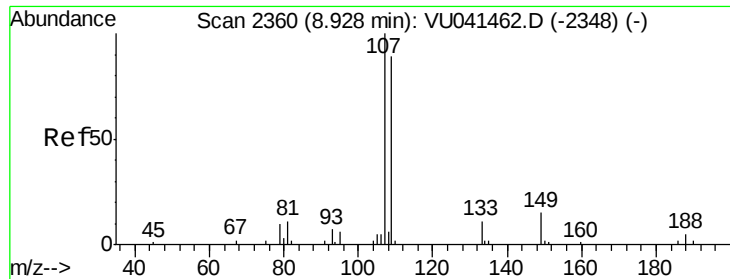
#49
Dibromochloromethane
Concen: 4.785 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041481.D
Acq: 07 Dec 2020 09:43

Tgt Ion: 129 Resp: 19352
Ion Ratio Lower Upper
129 100
127 77.3 52.4 97.2



Abundance Ion 128.95 (128.65 to 129.65): VU041481.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041481.D (-2231) (-)

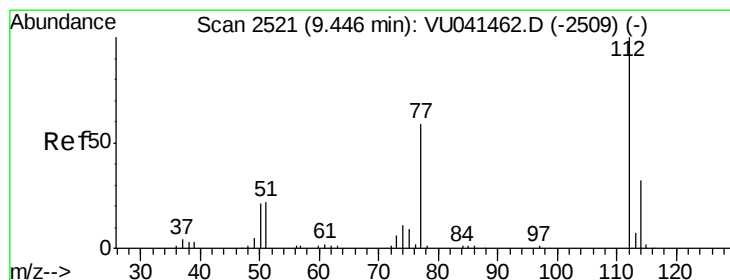
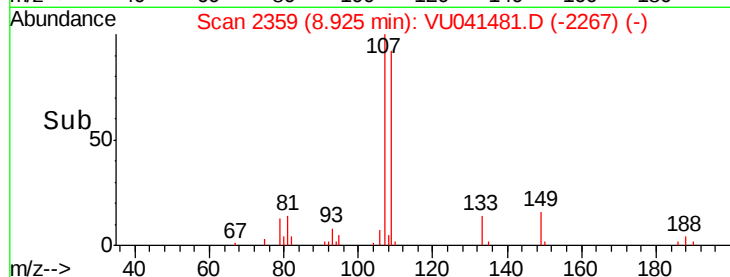
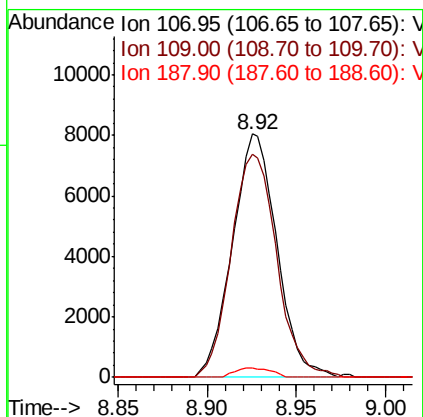
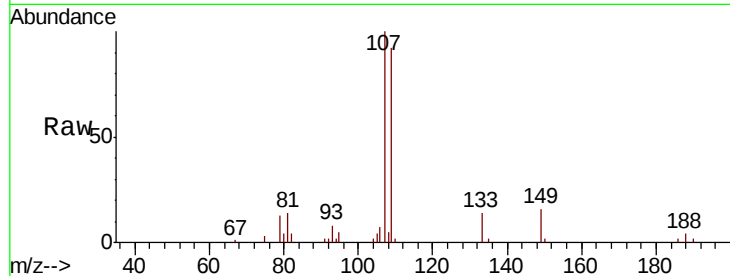




#50
1,2-Dibromoethane
Concen: 4.656 ug/L
RT: 8.92 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU041481.D
Acq: 07 Dec 2020 09:43

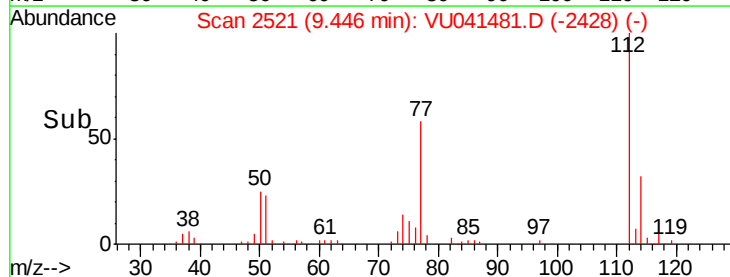
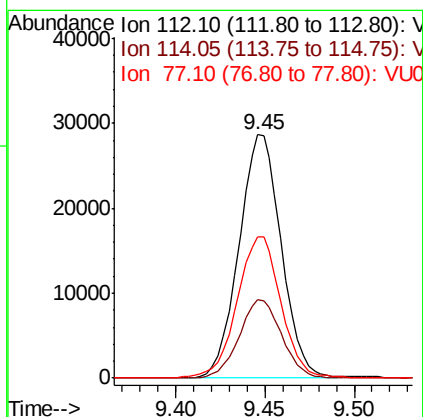
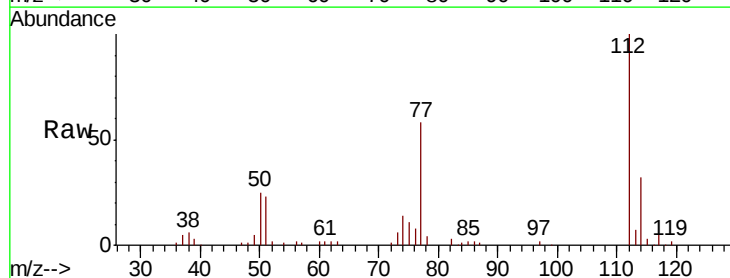
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

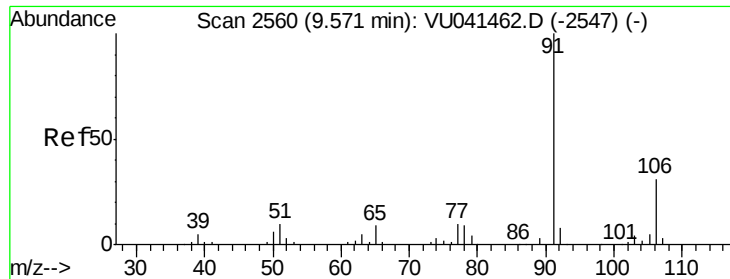
Tot Ion:107 Resp: 13942
Ion Ratio Lower Upper
107 100
109 91.8 62.3 115.7
188 3.9 4.2 6.4#



#51
Chlorobenzene
Concen: 4.807 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041481.D
Acq: 07 Dec 2020 09:43

Tgt Ion:112 Resp: 47361
Ion Ratio Lower Upper
112 100
114 32.2 22.7 42.1
77 58.1 48.2 72.2





#52

Ethylbenzene

Concen: 4.717 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

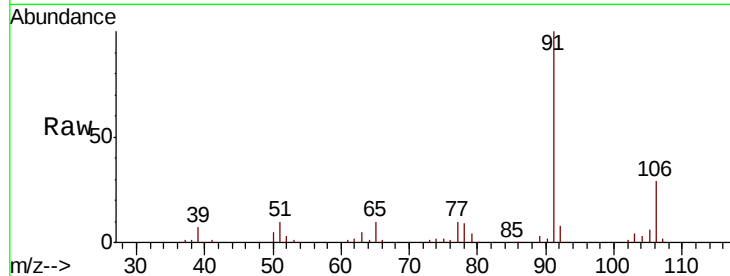
VSTD00529

Tot Ion: 91 Resp: 79909

Ion Ratio Lower Upper

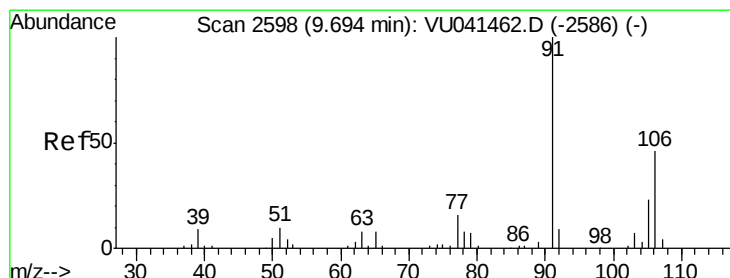
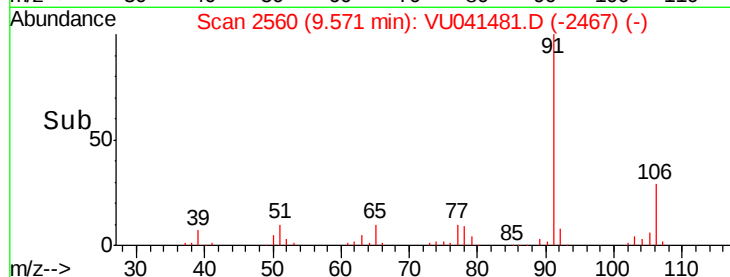
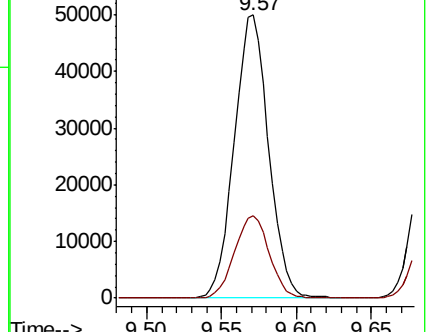
91 100

106 29.2 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU041481.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU041481.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.120 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041481.D

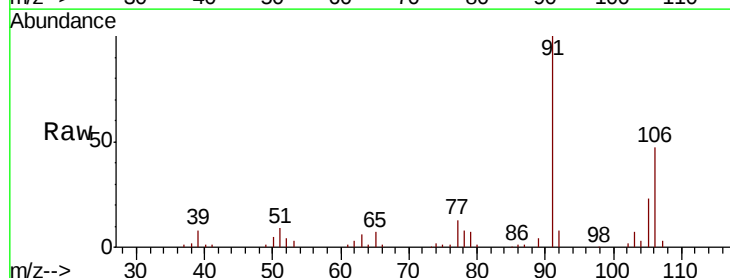
Acq: 07 Dec 2020 09:43

Tgt Ion: 106 Resp: 31487

Ion Ratio Lower Upper

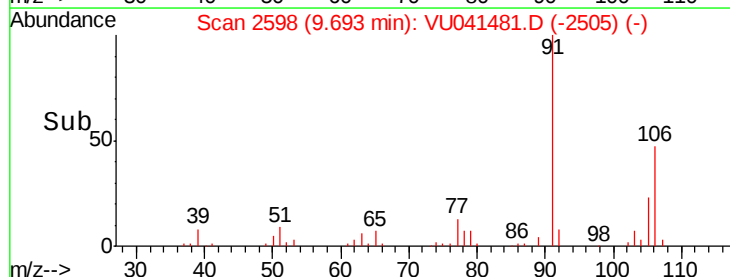
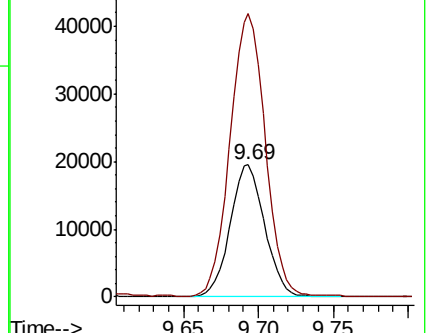
106 100

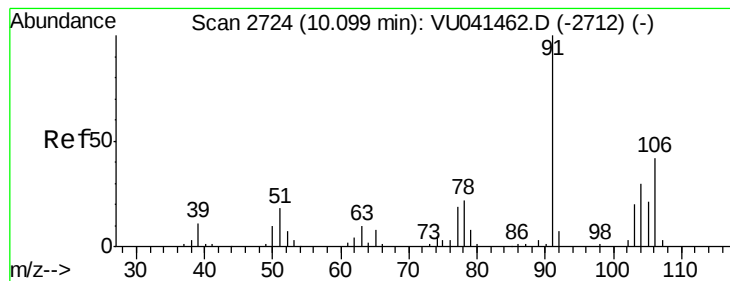
91 214.1 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): VU041481.D (-2598) (-)

Ion 91.15 (90.85 to 91.85): VU041481.D (-2598) (-)





#54

o-Xylene

Concen: 4.955 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

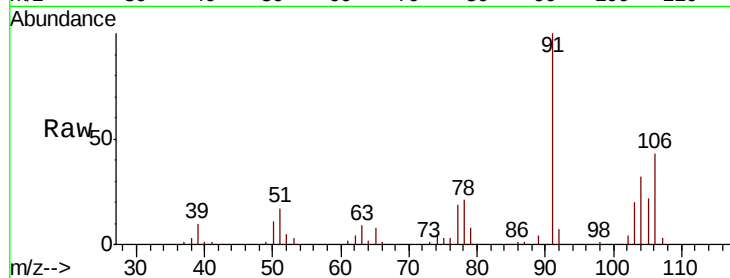
VSTD00529

Tot Ion:106 Resp: 29545

Ion Ratio Lower Upper

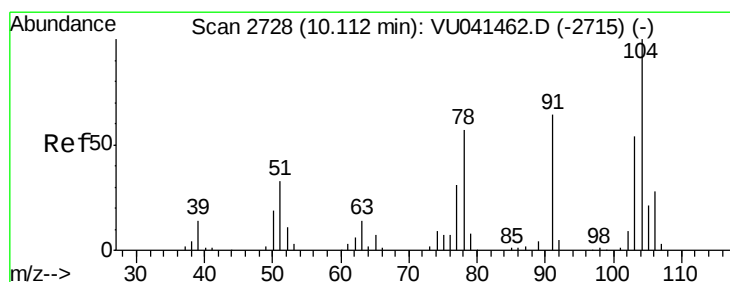
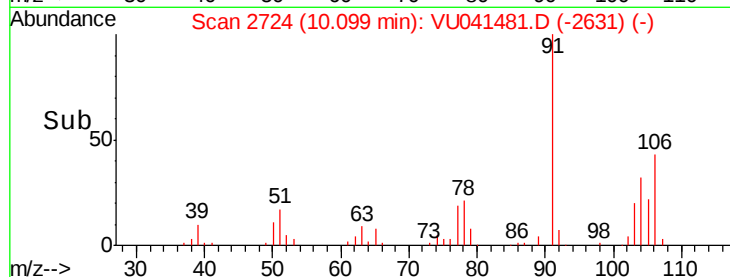
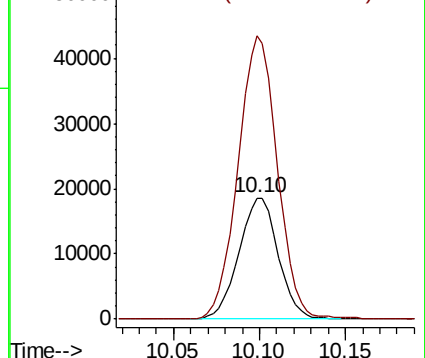
106 100

91 233.2 165.8 308.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.322 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU041481.D

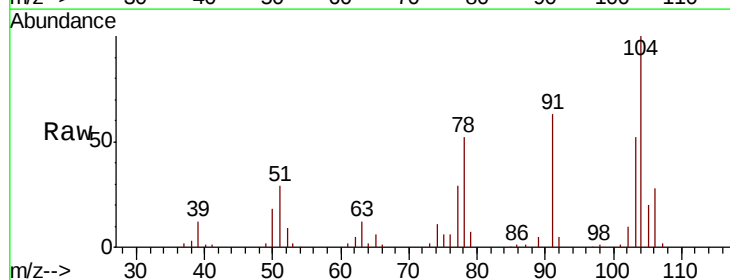
Acq: 07 Dec 2020 09:43

Tgt Ion:104 Resp: 53885

Ion Ratio Lower Upper

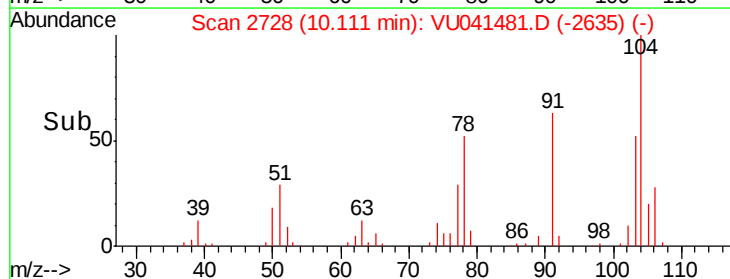
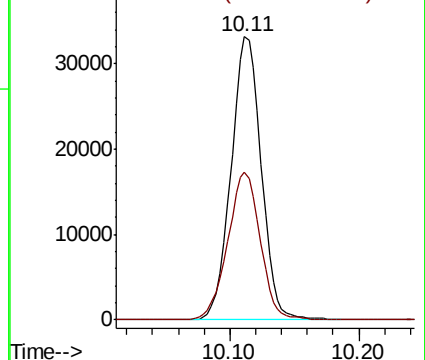
104 100

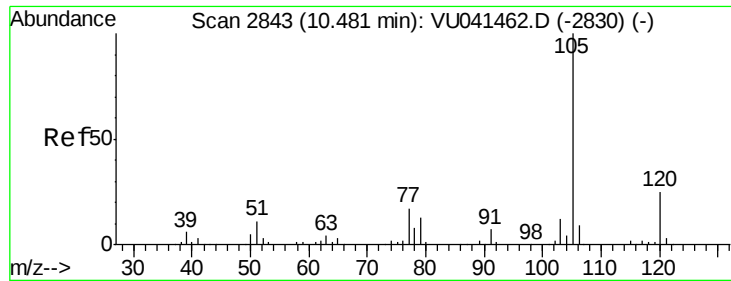
78 52.3 39.8 74.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.018 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Instrument :

MSVOA_U

ClientSampled :

VSTD00529

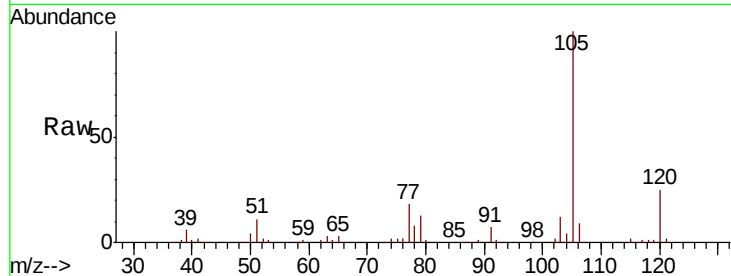
Tot Ion:105 Resp: 84463

Ion Ratio Lower Upper

105 100

120 24.8 20.0 30.0

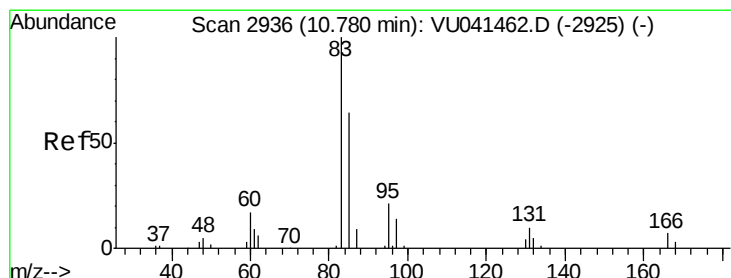
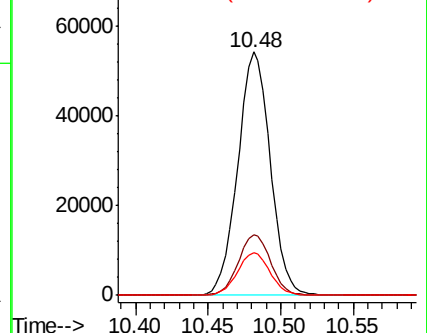
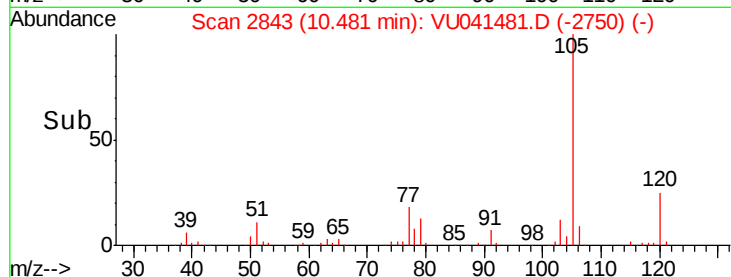
77 17.5 13.9 20.9



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: 4.781 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

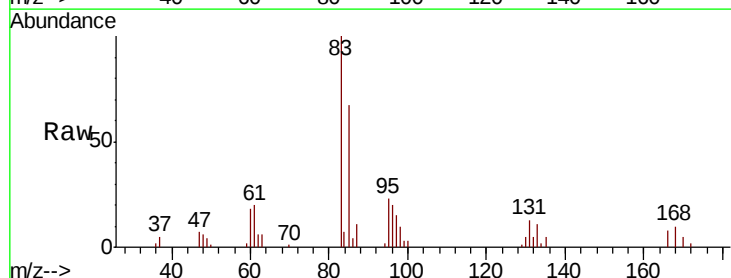
Tgt Ion: 83 Resp: 17435

Ion Ratio Lower Upper

83 100

85 66.5 45.2 84.0

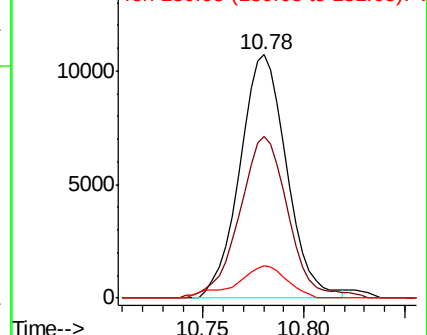
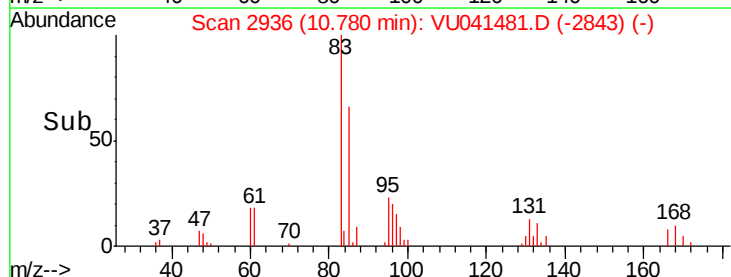
131 13.2 9.1 13.7

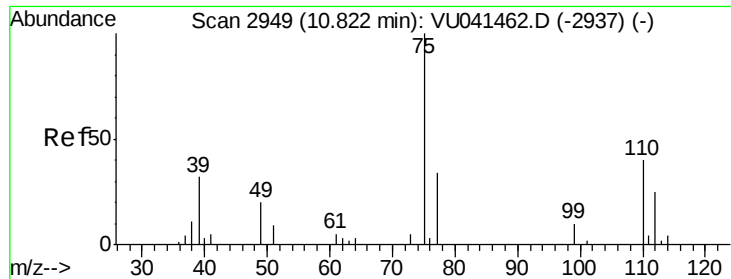


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.921 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

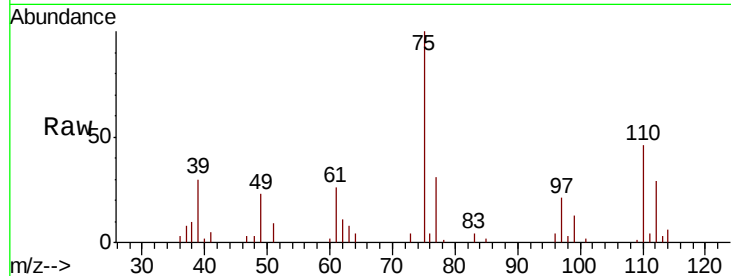
VSTD00529

Tot Ion: 75 Resp: 14697

Ion Ratio Lower Upper

75 100

77 32.5 26.3 39.5

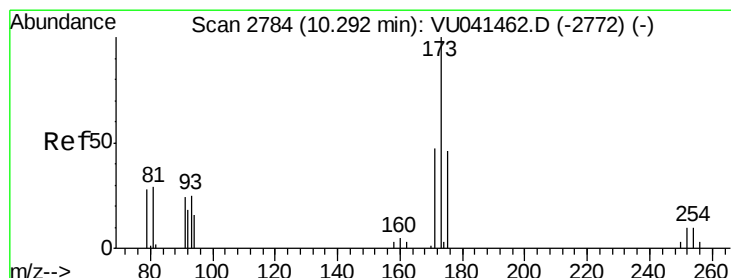
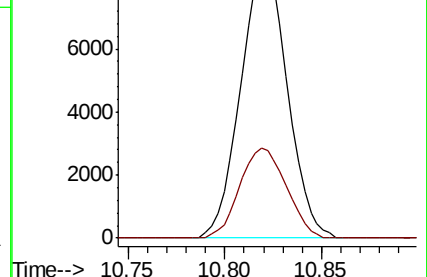
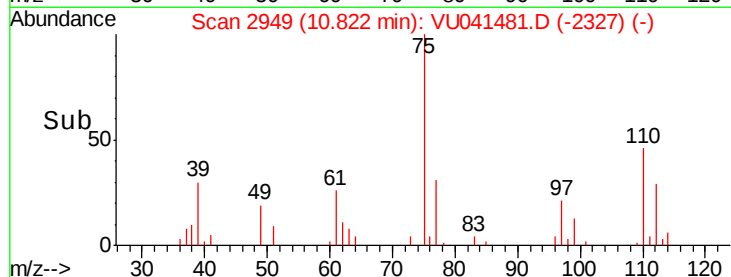


Abundance Ion 75.00 (74.70 to 75.70): VU041462.D (-2937) (-)

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

10.82

Time-->



#61

Bromoform

Concen: 5.047 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

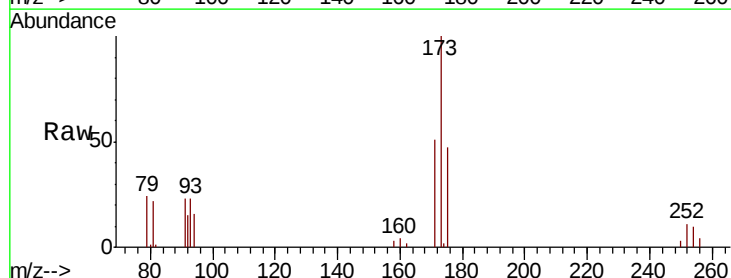
Tgt Ion: 173 Resp: 13505

Ion Ratio Lower Upper

173 100

175 48.4 38.8 58.2

254 10.4 7.6 11.4



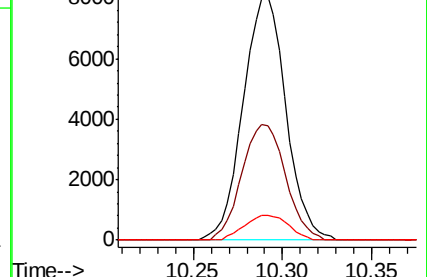
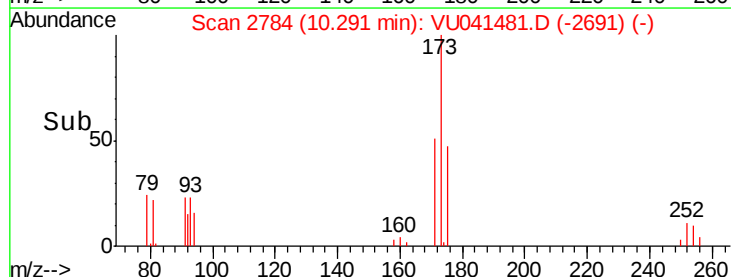
Abundance Ion 172.90 (172.60 to 173.60): VU041462.D (-2772) (-)

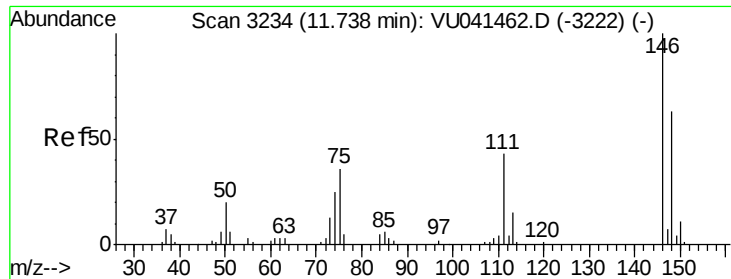
Ion 174.90 (174.60 to 175.60): VU041462.D (-2772) (-)

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

10.29

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.903 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

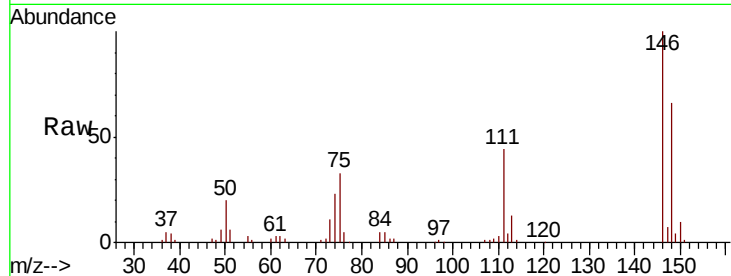
Tot Ion:146 Resp: 44004

Ion Ratio Lower Upper

146 100

111 43.8 30.2 56.0

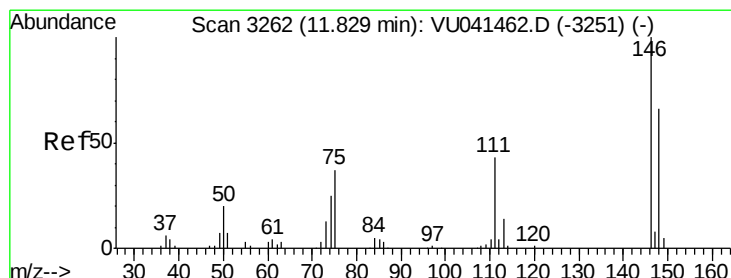
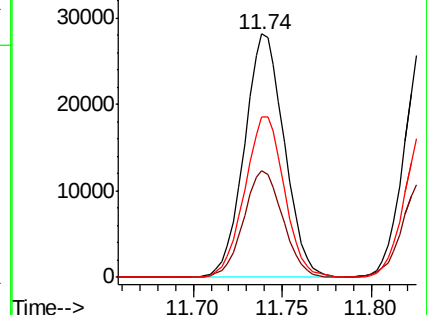
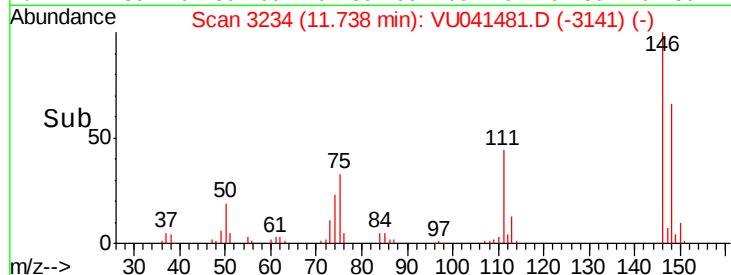
148 65.7 44.0 81.6



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: 4.932 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

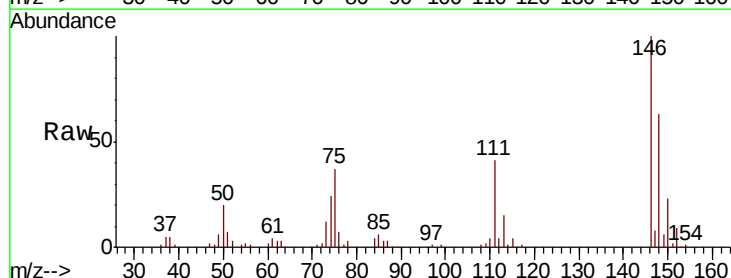
Tgt Ion:146 Resp: 45385

Ion Ratio Lower Upper

146 100

111 41.0 30.7 57.1

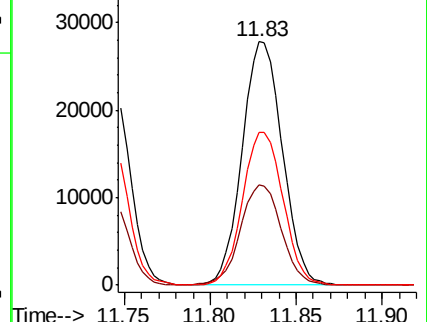
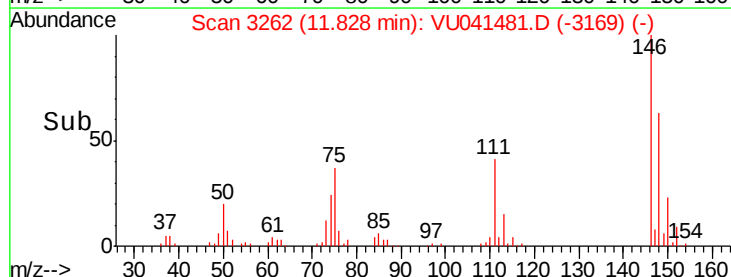
148 62.7 45.8 85.2

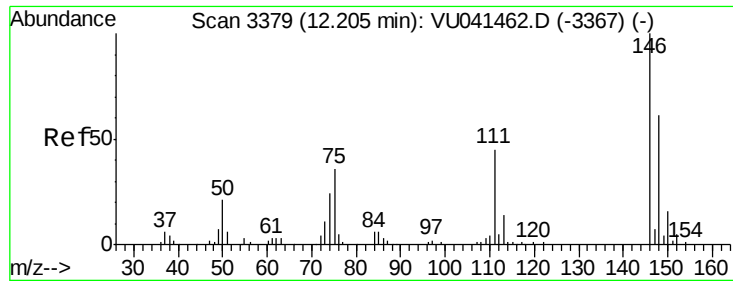


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.708 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

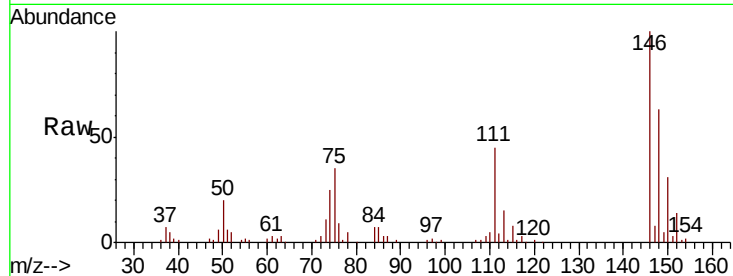
Tot Ion:146 Resp: 41838

Ion Ratio Lower Upper

146 100

111 45.4 36.0 54.0

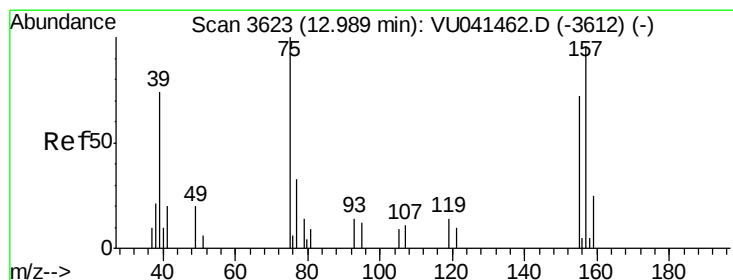
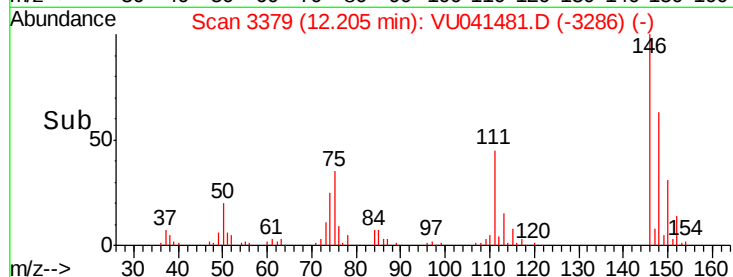
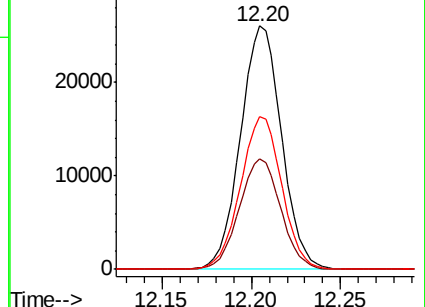
148 62.7 49.0 73.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.180 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

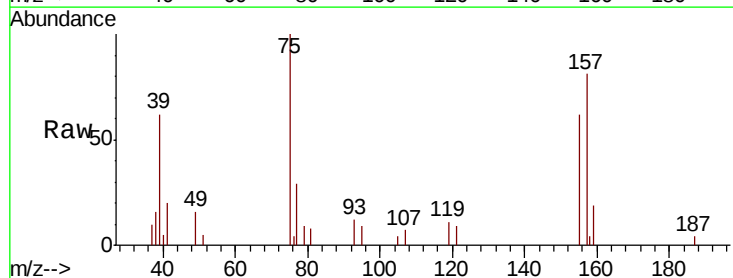
Tgt Ion: 75 Resp: 4509

Ion Ratio Lower Upper

75 100

155 62.2 58.0 87.0

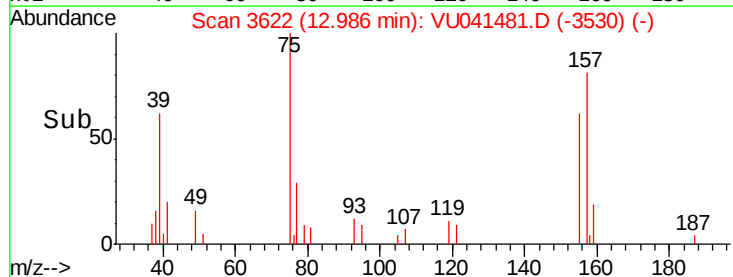
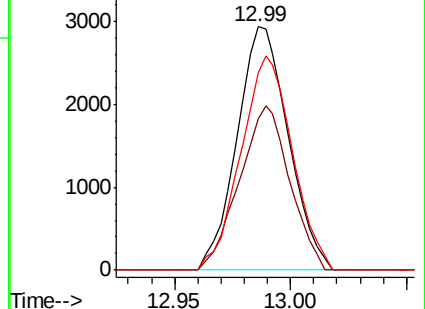
157 81.0 77.1 115.7

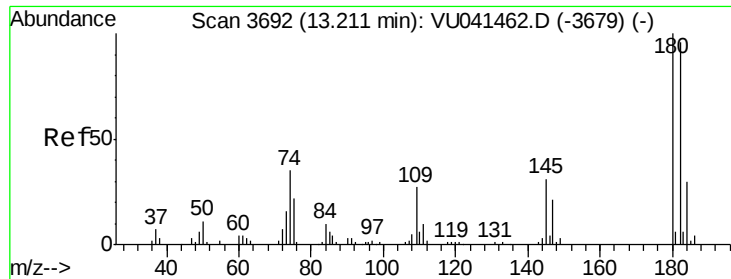


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

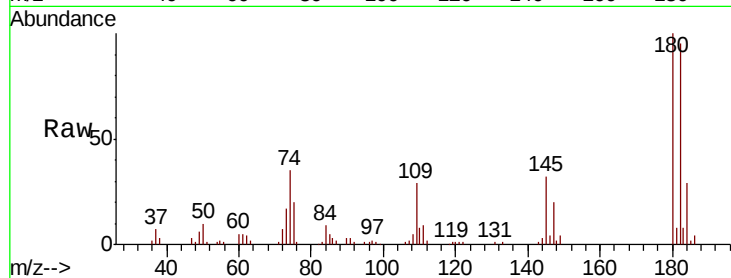




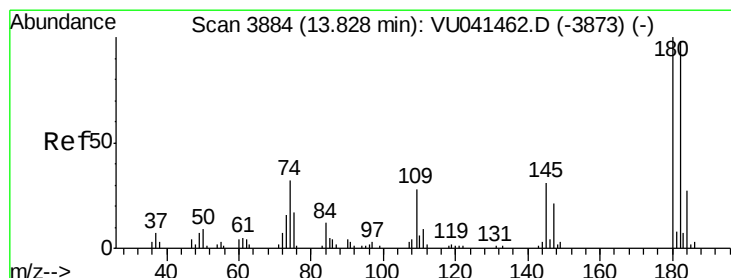
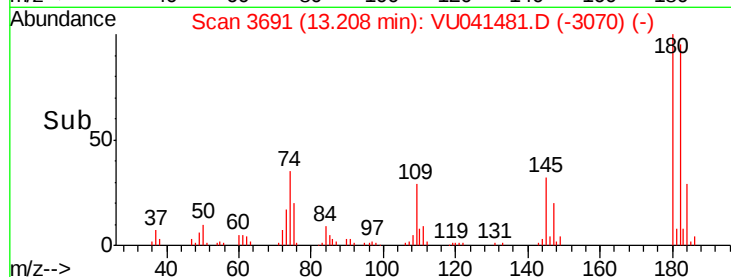
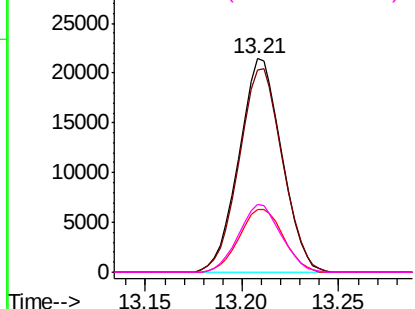
#67
 1,3,5-Trichlorobenzene
 Concen: 4.611 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041481.D
 Acq: 07 Dec 2020 09:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion:180 Resp: 33071
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.3 114.5
 184 30.3 23.8 35.6
 145 31.5 25.1 37.7

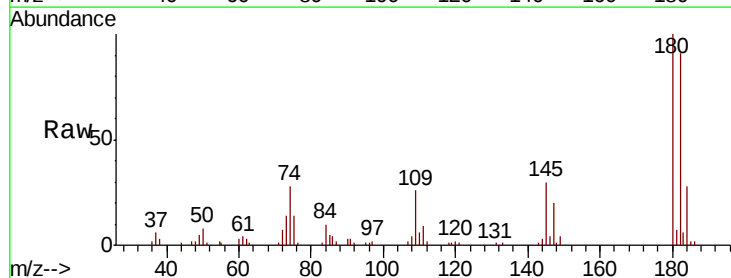


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

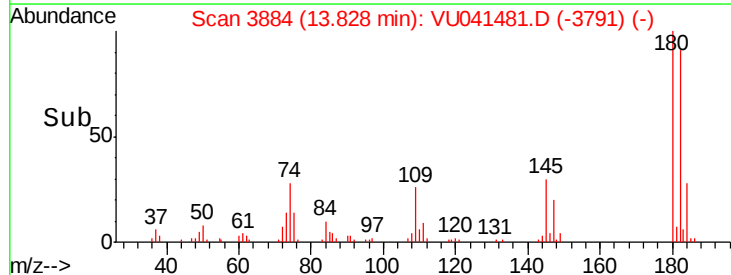
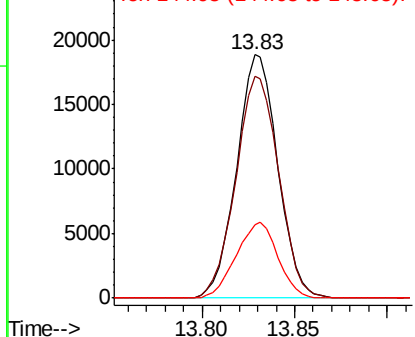


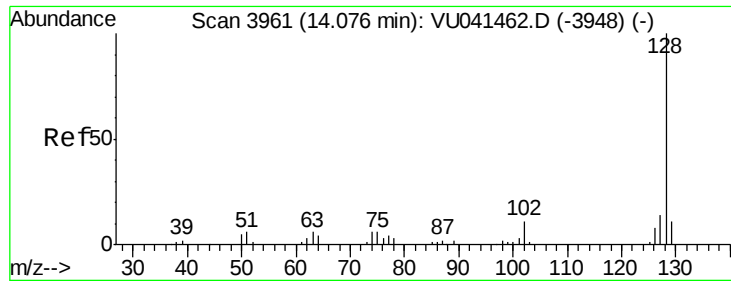
#68
 1,2,4-trichlorobenzene
 Concen: 5.049 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041481.D
 Acq: 07 Dec 2020 09:43

Tgt Ion:180 Resp: 28983
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.8 116.8
 145 31.6 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: 4.542 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

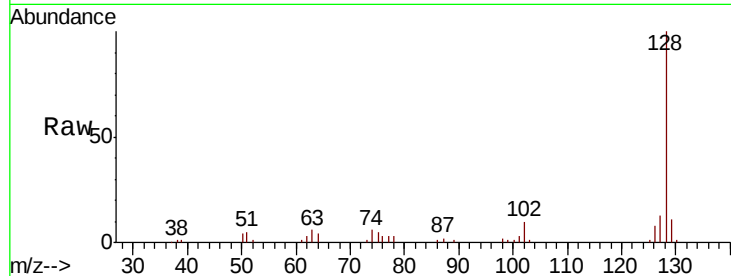
Tot Ion:128 Resp: 40971

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

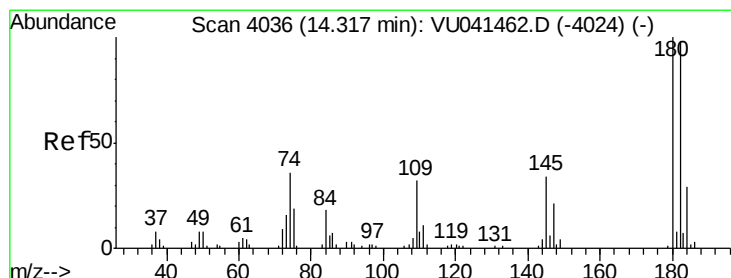
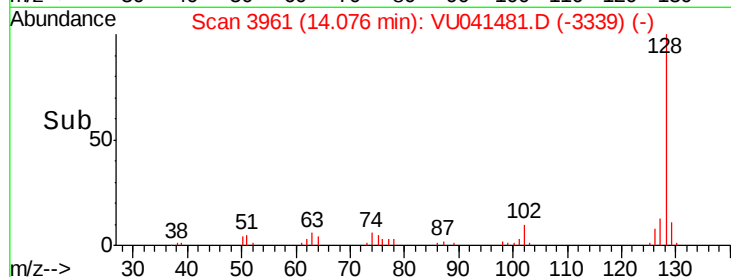
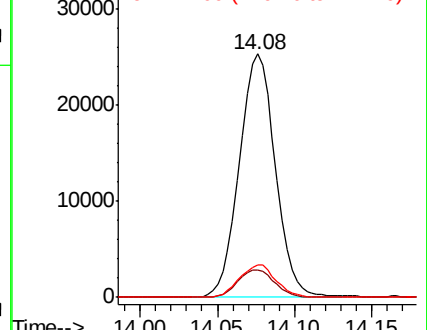
127 13.4 10.9 16.3



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: 5.100 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041481.D

Acq: 07 Dec 2020 09:43

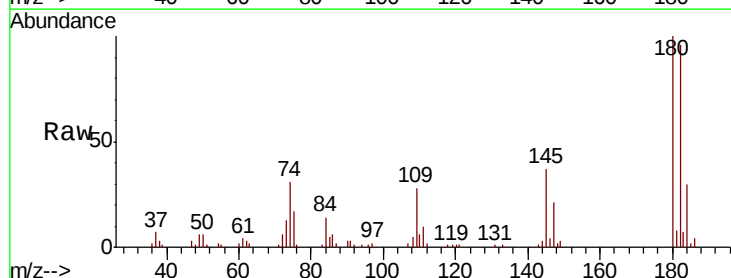
Tgt Ion:180 Resp: 25912

Ion Ratio Lower Upper

180 100

182 93.0 79.1 118.7

145 34.6 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

