

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122820\
 Data File : VU041827.D
 Acq On : 28 Dec 2020 14:56
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005210

Quant Time: Dec 29 01:07:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 29 01:00:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	162557	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	157404	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	83126	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	60190	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.92	69	55445	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.57	65	26675	4.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.20%
20) 2-Butanone-d5	4.66	46	167512	46.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.08%
24) Chloroform-d	5.08	84	108699	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.71	65	58548	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
32) Benzene-d6	5.74	84	215789	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.70	67	69550	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.90	98	218757	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
43) trans-1,3-Dichloropropene-	8.18	79	30513	5.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.20%
46) 2-Hexanone-d5	8.64	63	156805	49.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.36%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	62473	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
66) 1,2-Dichlorobenzene-d4	12.19	152	75199	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	77098	5.181	ug/L 100
3) Chloromethane	1.52	50	72172	5.334	ug/L 98
5) Vinyl chloride	1.61	62	83022	5.008	ug/L 96
6) Bromomethane	1.86	94	56728	4.995	ug/L 100
8) Chloroethane	1.94	64	51929	4.948	ug/L 98
9) Trichlorofluoromethane	2.15	101	114456	4.997	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	65266	5.060	ug/L 96
12) 1,1-Dichloroethene	2.59	96	63273	4.947	ug/L 95
13) Acetone	2.67	43	110960	44.181	ug/L # 37
14) Carbon disulfide	2.80	76	188886	4.411	ug/L 98
15) Methyl Acetate	2.97	43	27481	4.669	ug/L 98
16) Methylene chloride	3.06	84	70188	4.330	ug/L 94
17) Methyl tert-butyl Ether	3.38	73	147542	4.761	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	59039	4.772	ug/L 94
19) 1,1-Dichloroethane	3.88	63	102733	4.678	ug/L 99
21) 2-Butanone	4.73	43	174736	50.406	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	63827	4.967	ug/L 94

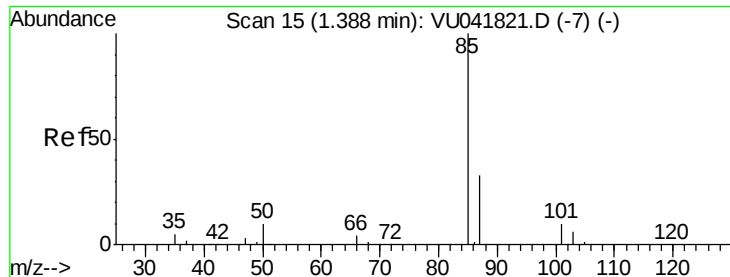
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122820\
 Data File : VU041827.D
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 29 01:00:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	31958	5.121	ug/L	97
25) Chloroform	5.10	83	110053	4.962	ug/L	99
27) 1,2-Dichloroethane	5.81	62	73389	5.085	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	97197	5.163	ug/L	98
30) Cyclohexane	5.40	56	93920	5.416	ug/L	96
31) Carbon tetrachloride	5.54	117	85824	5.147	ug/L	99
33) Benzene	5.78	78	248360	5.293	ug/L	100
34) Trichloroethene	6.55	95	67574	5.509	ug/L	97
35) Methylcyclohexane	6.77	83	106271	5.652	ug/L	99
37) 1,2-Dichloropropane	6.80	63	64168	5.504	ug/L	100
38) Bromodichloromethane	7.11	83	85745	5.601	ug/L	100
39) cis-1,3-Dichloropropene	7.61	75	97328	5.567	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	451004	60.429	ug/L	99
42) Toluene	7.97	91	281601	5.689	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	84347	5.272	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	48274	5.113	ug/L	97
47) Tetrachloroethene	8.56	164	50894	5.308	ug/L	97
48) 2-Hexanone	8.69	43	292049	53.512	ug/L	98
49) Dibromochloromethane	8.81	129	59510	5.240	ug/L	95
50) 1,2-Dibromoethane	8.93	107	48892	5.231	ug/L #	99
51) Chlorobenzene	9.45	112	174307	5.370	ug/L	99
52) Ethylbenzene	9.57	91	275327	5.338	ug/L	100
53) m,p-Xylene	9.69	106	108783	5.377	ug/L	98
54) o-Xylene	10.10	106	108032	5.606	ug/L	97
55) Styrene	10.11	104	181168	5.460	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.78	83	64090	5.167	ug/L	98
59) Bromoform	10.29	173	36798	5.138	ug/L	100
60) Isopropylbenzene	10.48	105	278463	5.353	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	46436	4.976	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	231278	5.417	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	233702	5.513	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	134148	5.333	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	135965	5.319	ug/L	99
67) 1,2-Dichlorobenzene	12.20	146	129573	5.180	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.99	75	10220	4.758	ug/L	89
69) 1,3,5-Trichlorobenzene	13.21	180	98365	5.219	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	76376	5.554	ug/L	98
71) Naphthalene	14.08	128	128339	5.292	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	71575	5.451	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.181 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

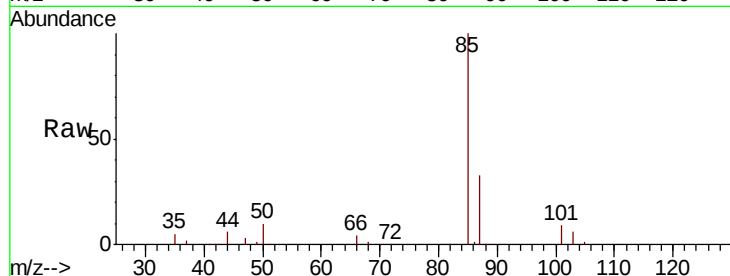
VSTD005210

Tot Ion: 85 Resp: 77098

Ion Ratio Lower Upper

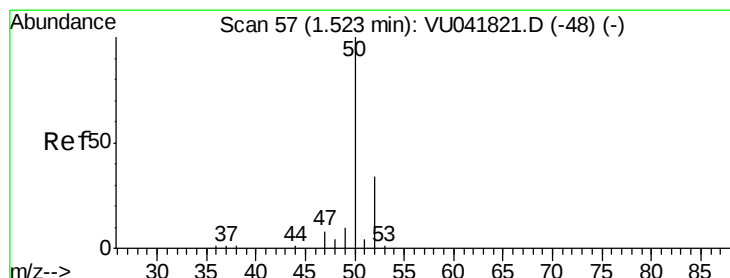
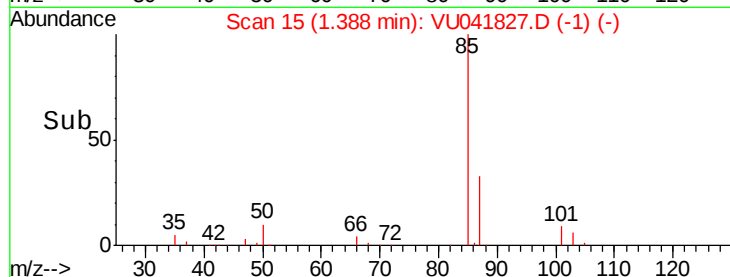
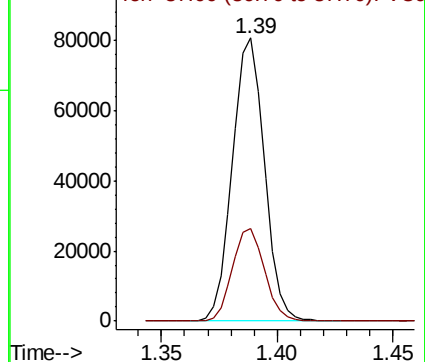
85 100

87 32.8 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.334 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041827.D

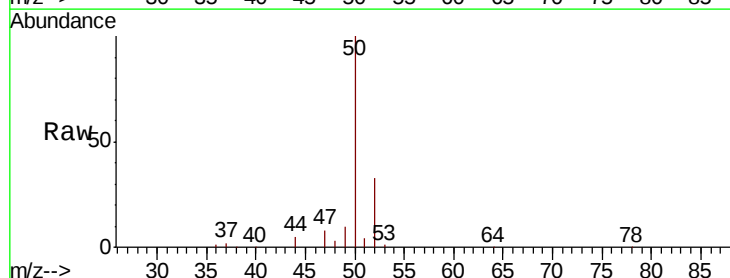
Acq: 28 Dec 2020 14:56

Tgt Ion: 50 Resp: 72172

Ion Ratio Lower Upper

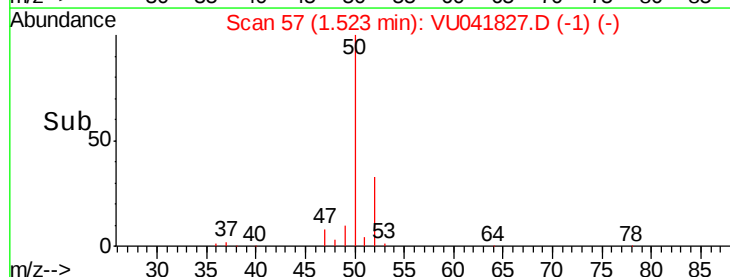
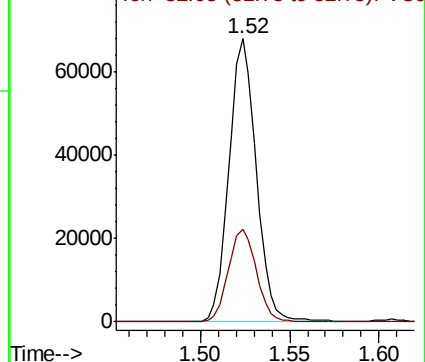
50 100

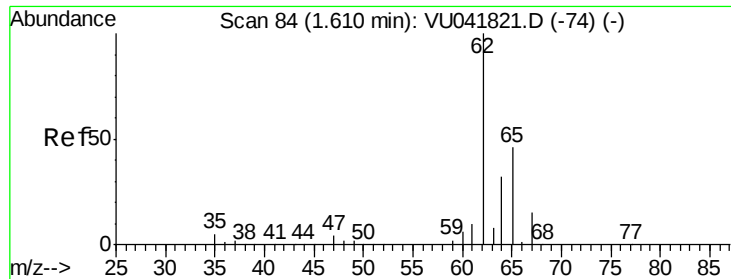
52 32.7 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.008 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

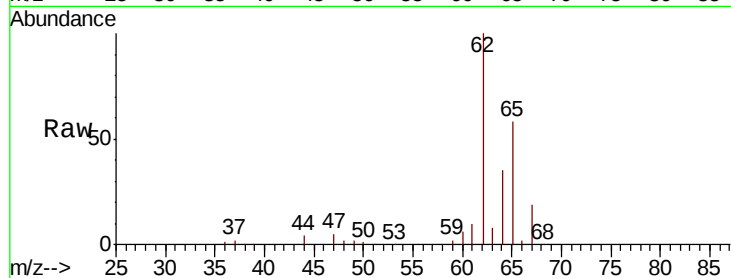
VSTD005210

Tot Ion: 62 Resp: 83022

Ion Ratio Lower Upper

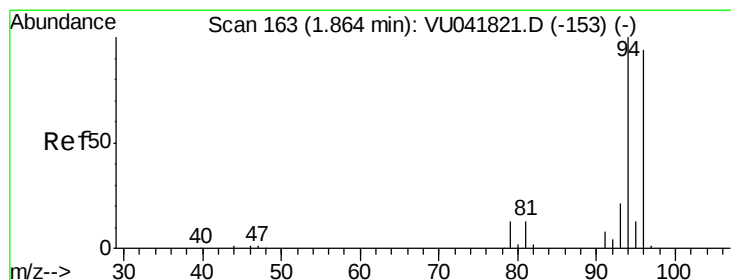
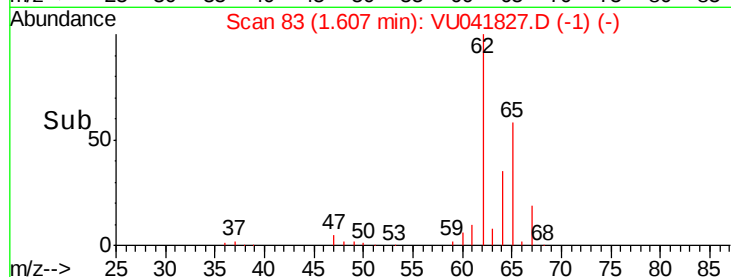
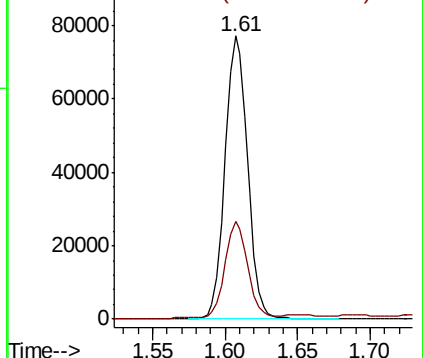
62 100

64 34.7 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.995 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041827.D

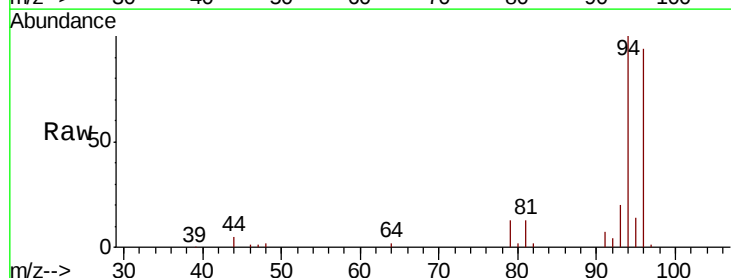
Acq: 28 Dec 2020 14:56

Tgt Ion: 94 Resp: 56728

Ion Ratio Lower Upper

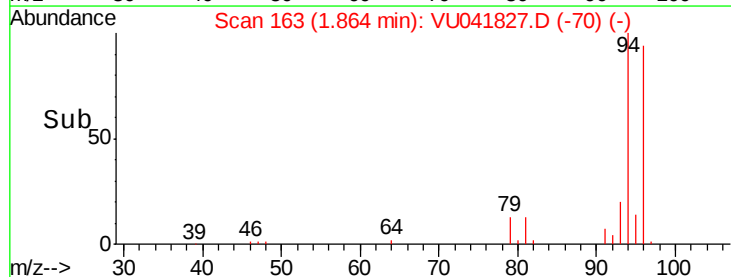
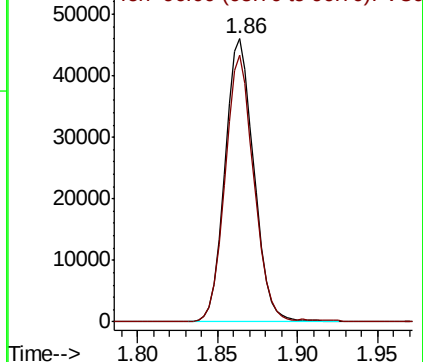
94 100

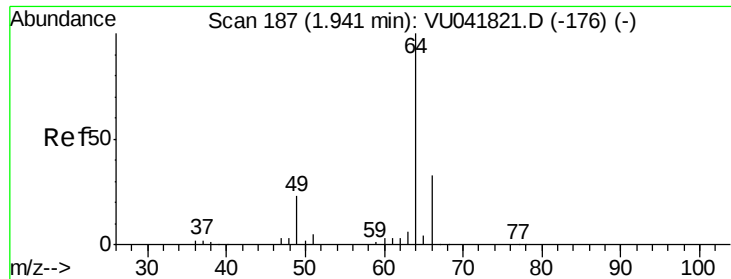
96 94.2 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.948 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

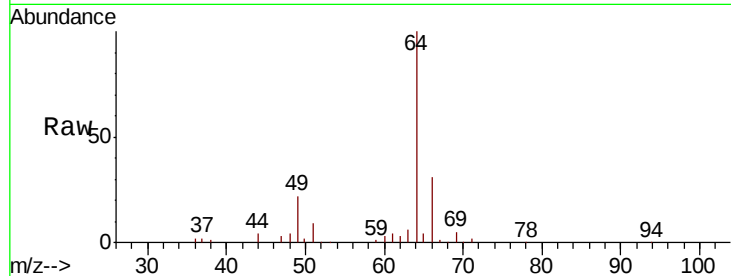
VSTD005210

Tot Ion: 64 Resp: 51929

Ion Ratio Lower Upper

64 100

66 31.1 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VU041827.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU041827.D (-176) (-)

1.94

40000

30000

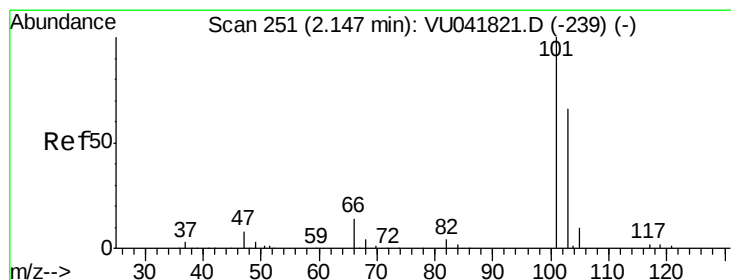
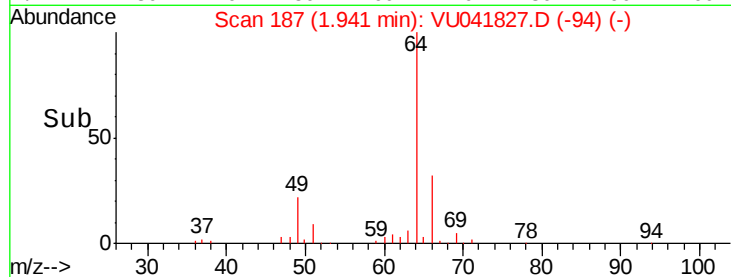
20000

10000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 4.997 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041827.D

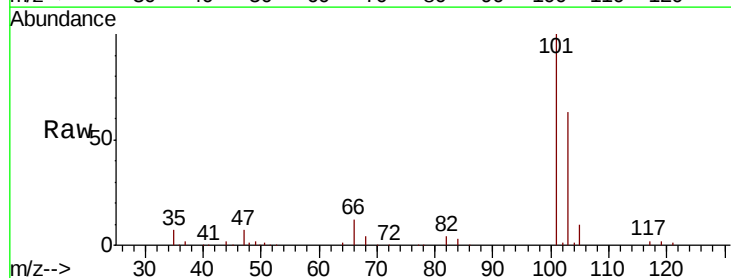
Acq: 28 Dec 2020 14:56

Tgt Ion:101 Resp: 114456

Ion Ratio Lower Upper

101 100

103 64.6 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VU041827.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041827.D (-239) (-)

2.15

80000

60000

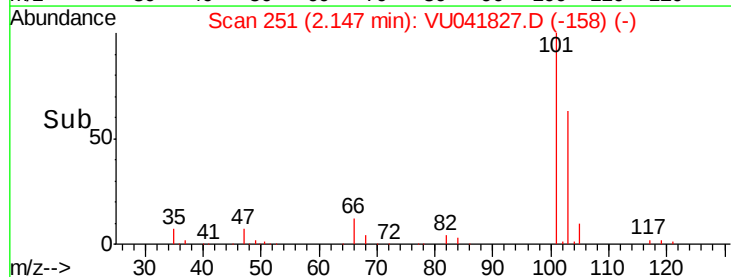
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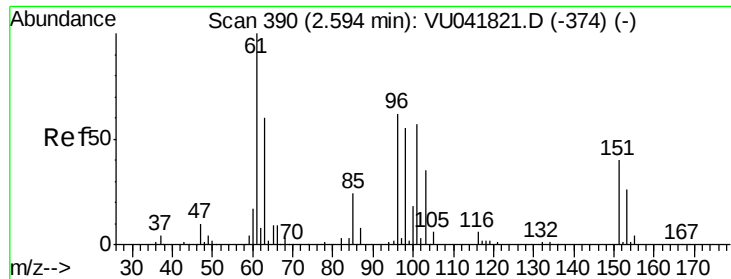
20000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 5.060 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Instrument :

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ClientSampleId :

VSTD005210

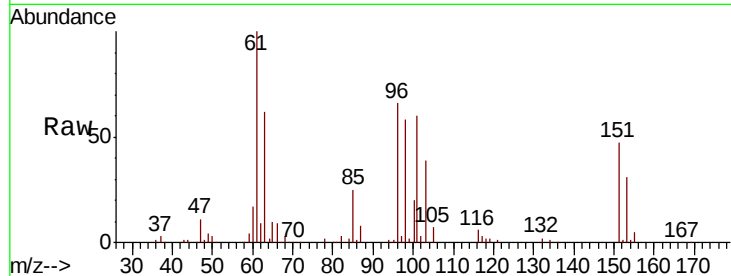
Tot Ion:101 Resp: 65266

Ion Ratio Lower Upper

101 100

85 41.6 34.5 51.7

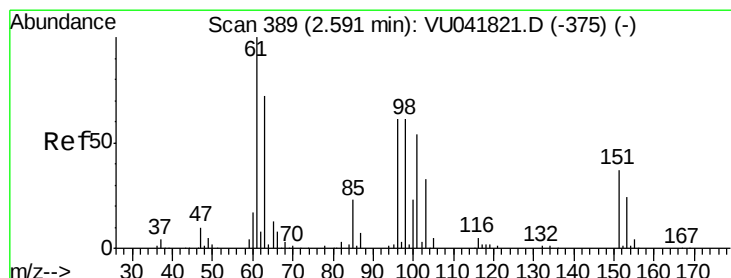
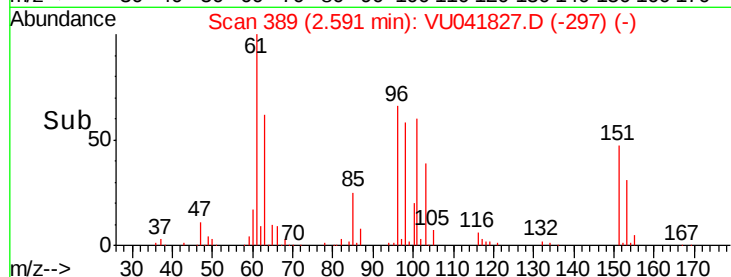
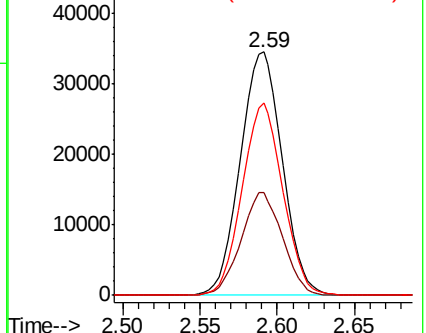
151 76.4 57.4 86.2



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: 4.947 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

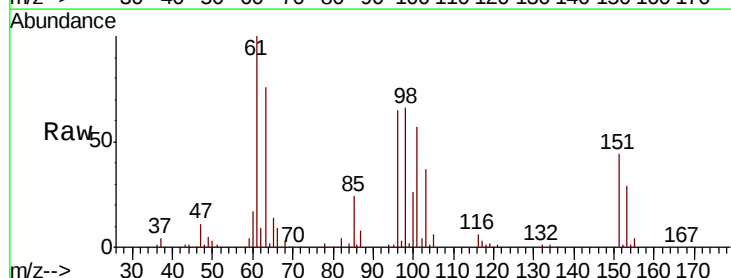
Tgt Ion: 96 Resp: 63273

Ion Ratio Lower Upper

96 100

61 155.0 115.1 213.7

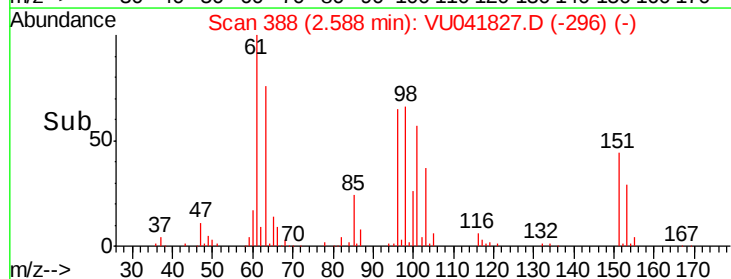
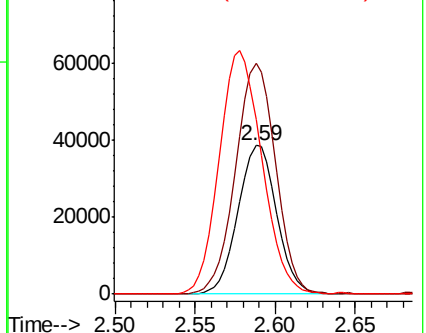
63 117.8 84.1 156.1

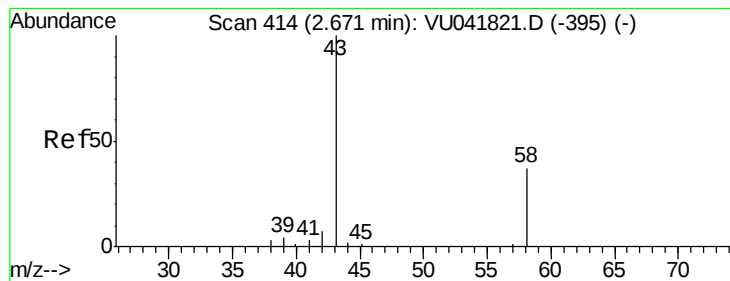


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.181 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

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ClientSampleId :

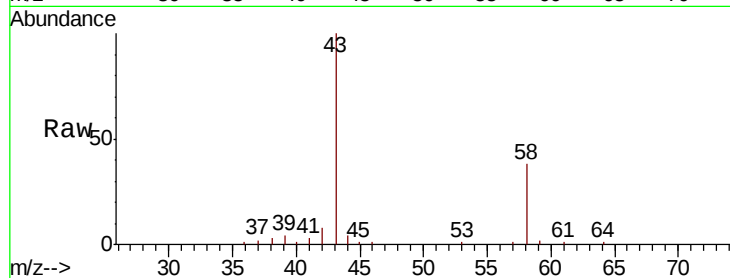
VSTD005210

Tot Ion: 43 Resp: 110960

Ion Ratio Lower Upper

43 100

58 37.2 0.0 25.0#



Abundance Ion 43.05 (42.75 to 43.75): VU041827.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU041827.D (-321) (-)

2.67

25000

20000

15000

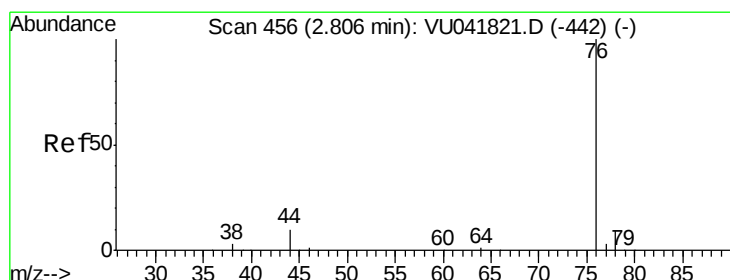
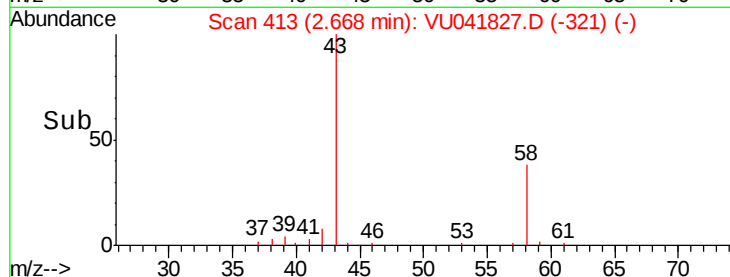
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5000

0

Time-->

2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 4.411 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041827.D

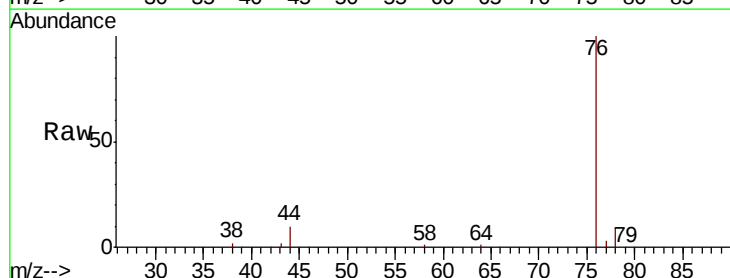
Acq: 28 Dec 2020 14:56

Tgt Ion: 76 Resp: 188886

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041827.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041827.D (-363) (-)

2.80

120000

100000

80000

60000

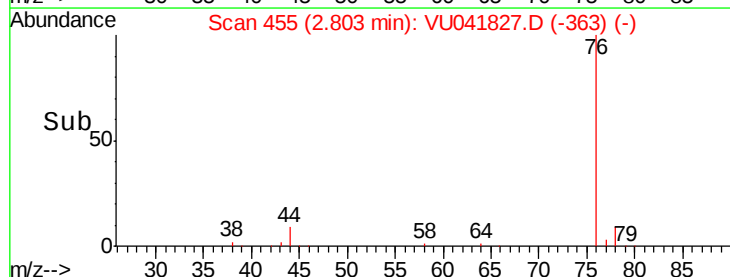
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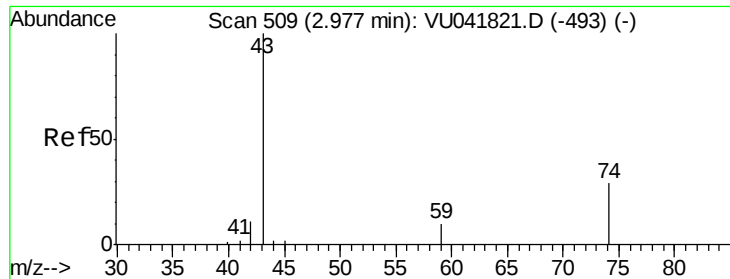
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Time-->

2.75 2.80 2.85 2.90

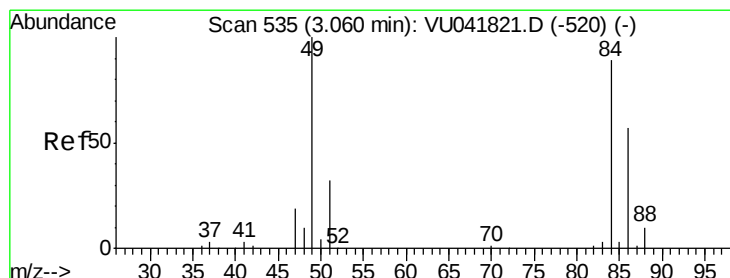
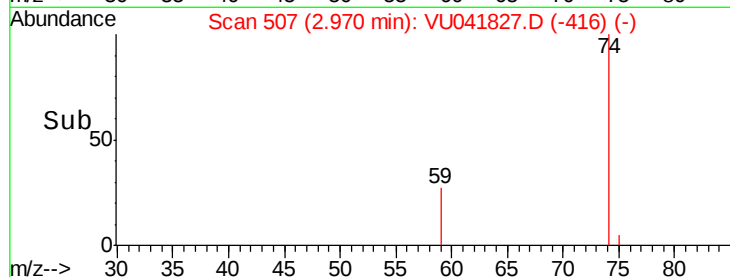
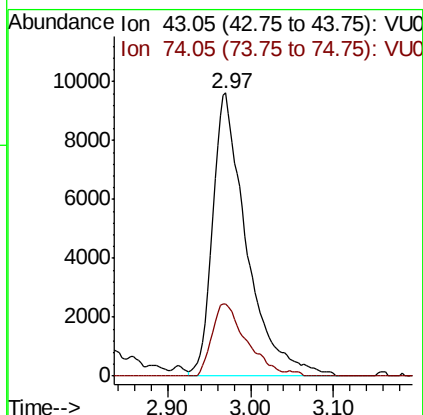
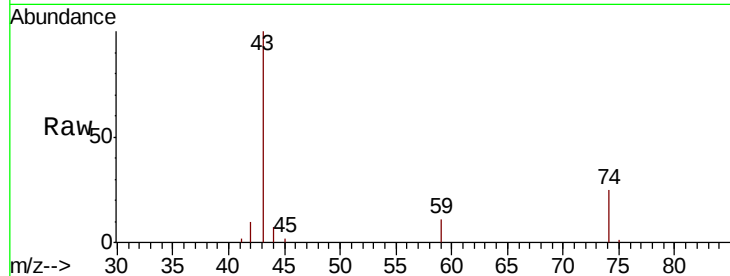




#15
Methvl Acetate
Concen: 4.669 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.01 min
Lab File: VU041827.D
Acq: 28 Dec 2020 14:56

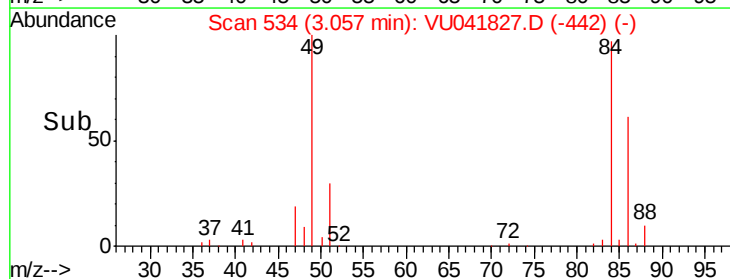
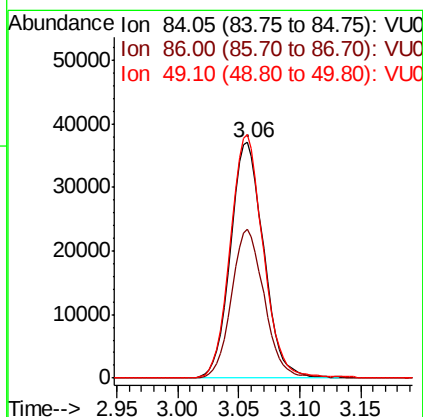
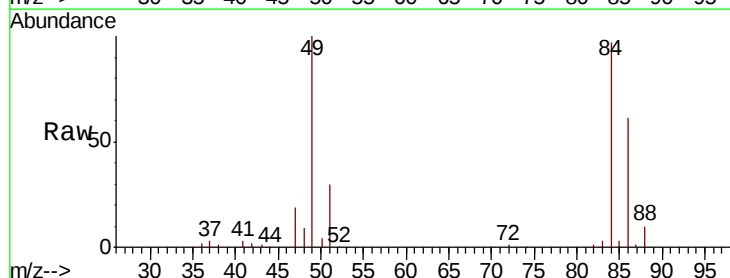
Instrument :
MSVOA_U
ClientSampleId :
VSTD005210

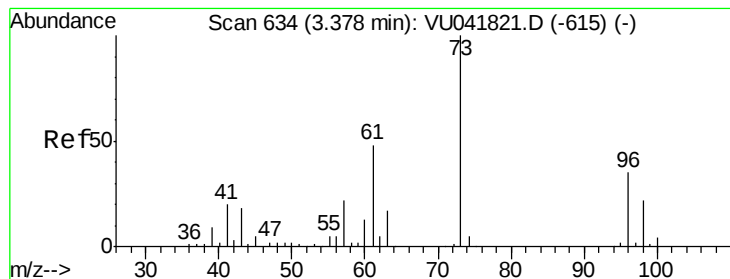
Tot Ion: 43 Resp: 27481
Ion Ratio Lower Upper
43 100
74 25.7 21.5 32.3



#16
Methylene chloride
Concen: 4.330 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041827.D
Acq: 28 Dec 2020 14:56

Tgt Ion: 84 Resp: 70188
Ion Ratio Lower Upper
84 100
86 63.4 44.9 83.5
49 103.4 79.0 146.8



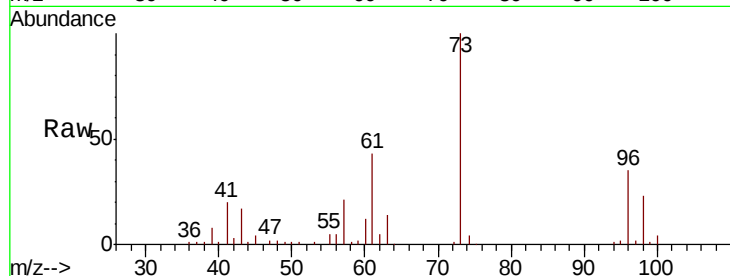


#17

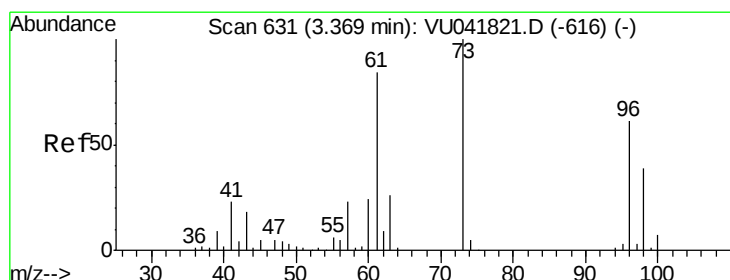
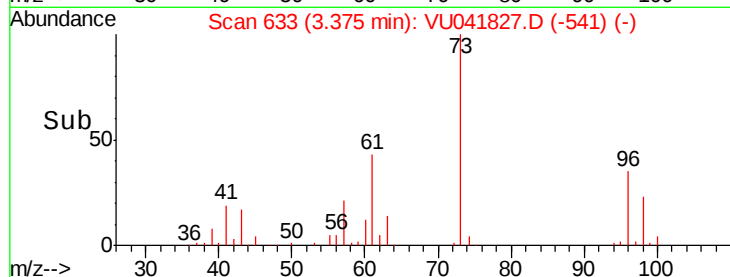
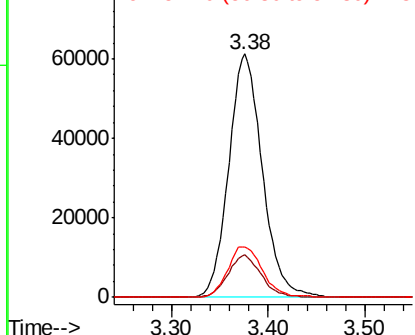
Methyl tert-butyl Ether
 Concen: 4.761 ug/L
 RT: 3.38 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VU041827.D
 Acq: 28 Dec 2020 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005210

Tot Ion: 73 Resp: 147542
 Ion Ratio Lower Upper
 73 100
 43 17.3 15.0 22.4
 57 21.7 17.3 25.9



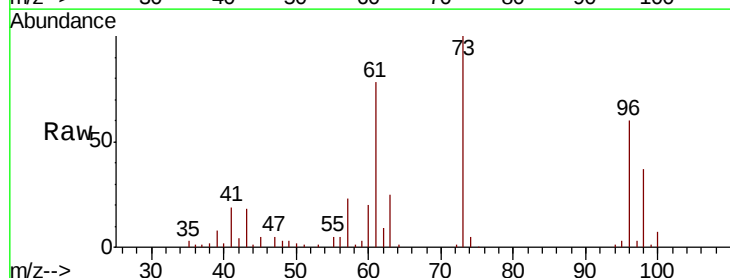
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



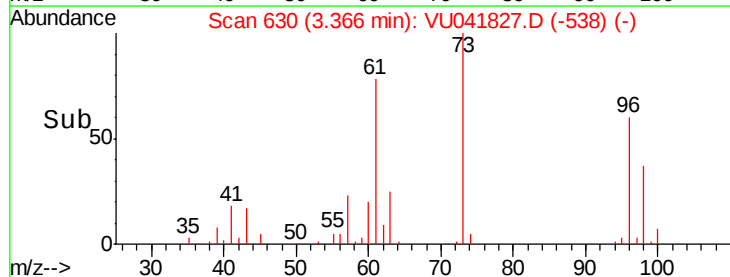
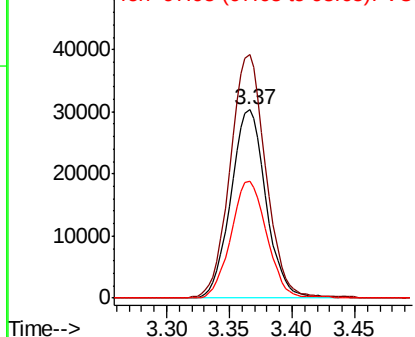
#18

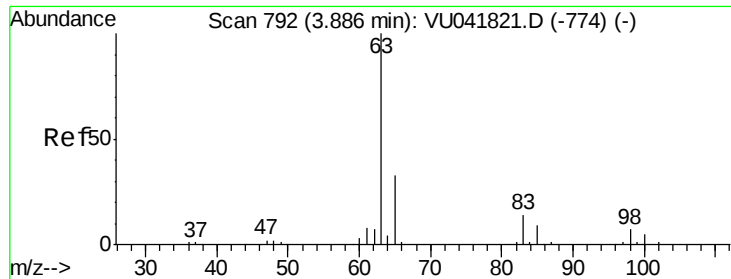
trans-1,2-Dichloroethene
 Concen: 4.772 ug/L
 RT: 3.37 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU041827.D
 Acq: 28 Dec 2020 14:56

Tgt Ion: 96 Resp: 59039
 Ion Ratio Lower Upper
 96 100
 61 129.4 96.6 179.4
 98 61.9 44.7 82.9



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

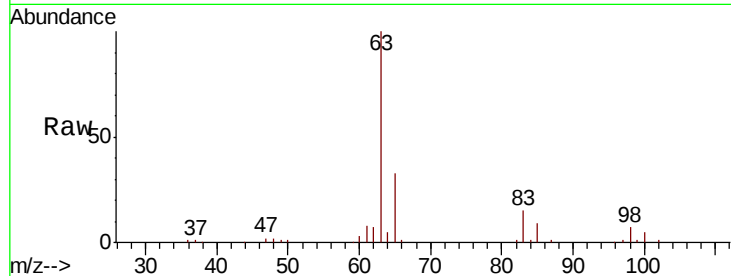




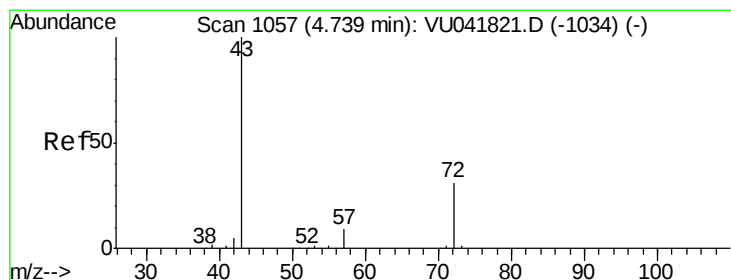
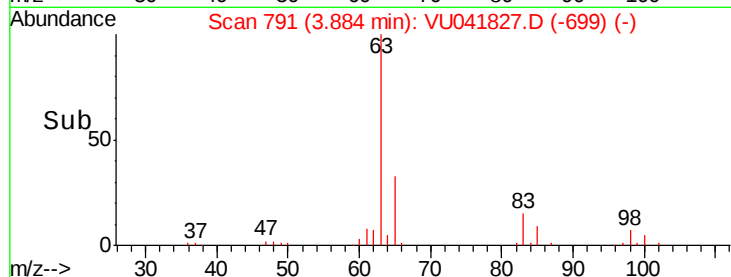
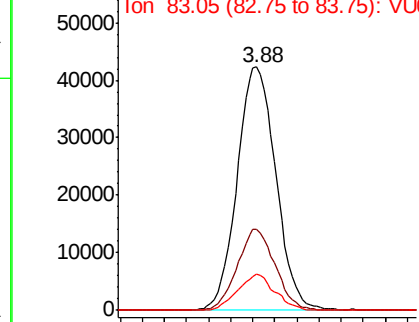
#19
 1,1-Dichloroethane
 Concen: 4.678 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VU041827.D
 Acq: 28 Dec 2020 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005210

Tot Ion: 63 Resp: 102733
 Ion Ratio Lower Upper
 63 100
 65 33.2 23.2 43.0
 83 14.7 9.9 18.3

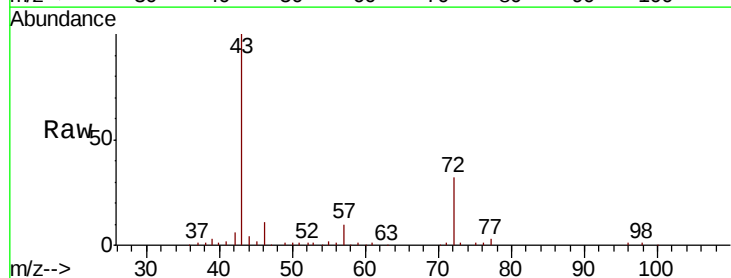


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

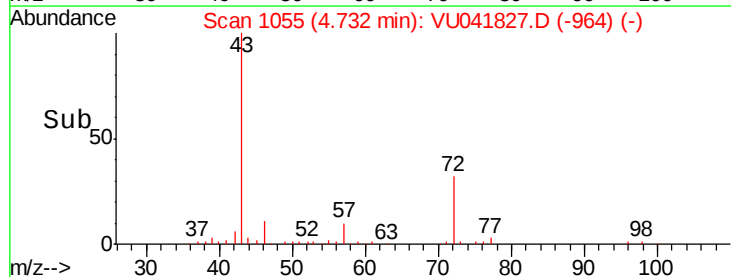
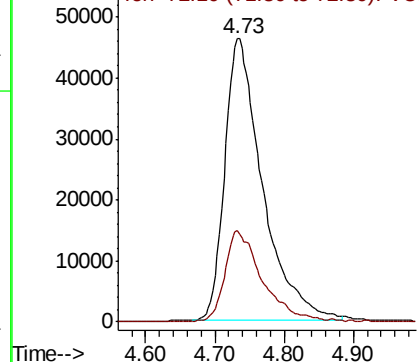


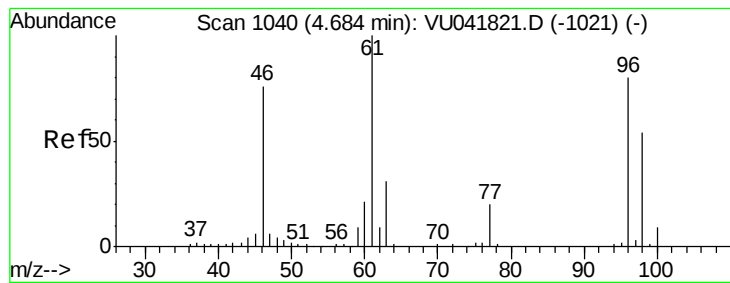
#21
 2-Butanone
 Concen: 50.406 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VU041827.D
 Acq: 28 Dec 2020 14:56

Tgt Ion: 43 Resp: 174736
 Ion Ratio Lower Upper
 43 100
 72 31.2 15.8 47.3



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.967 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD005210

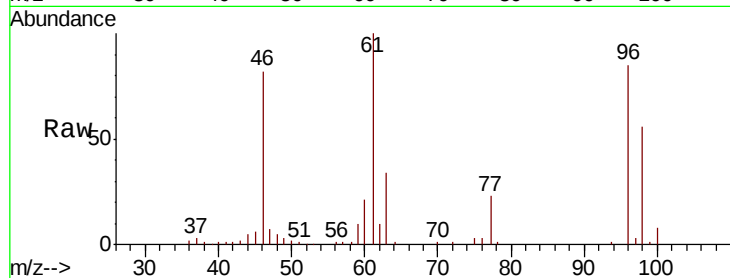
Tot Ion: 96 Resp: 63827

Ion Ratio Lower Upper

96 100

61 117.0 87.4 162.4

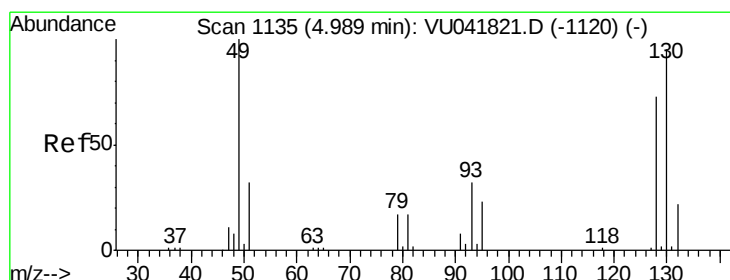
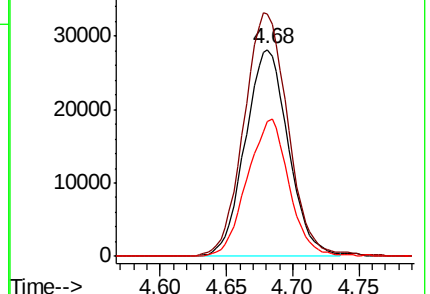
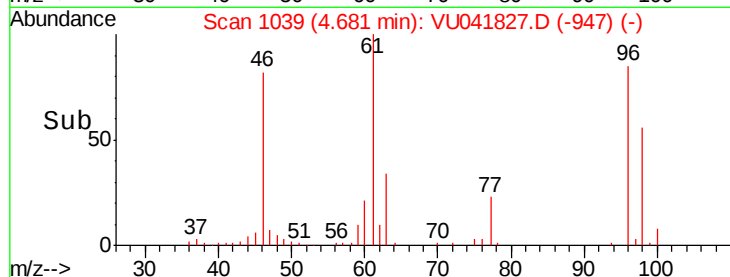
98 65.1 47.7 88.5



Abundance Ion 96.00 (95.70 to 96.70): VU041827.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041827.D (-947) (-)

Ion 98.00 (97.70 to 98.70): VU041827.D (-947) (-)



#23

Bromochloromethane

Concen: 5.121 ug/L

RT: 4.99 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Tgt Ion: 128 Resp: 31958

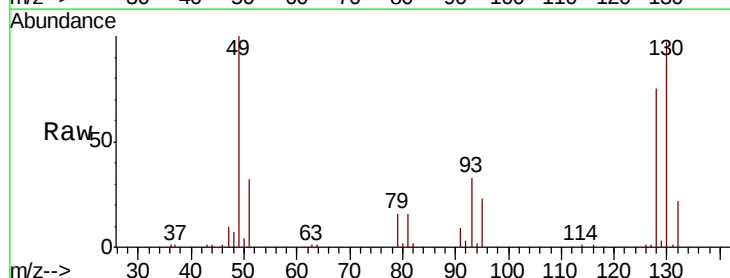
Ion Ratio Lower Upper

128 100

49 132.7 96.4 179.0

130 128.1 91.2 169.4

51 41.8 35.0 52.6

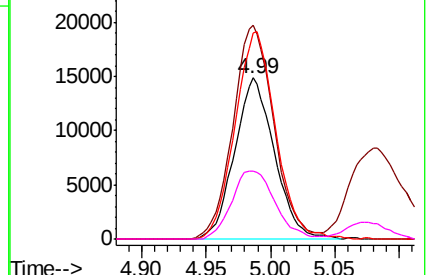
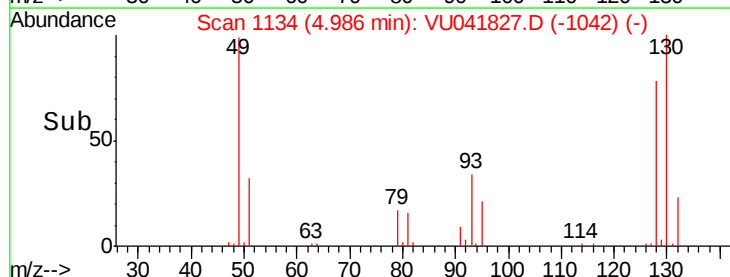


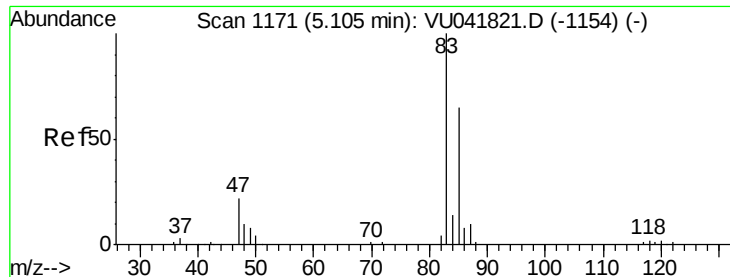
Abundance Ion 127.90 (127.60 to 128.60): VU041827.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU041827.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU041827.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU041827.D (-1042) (-)

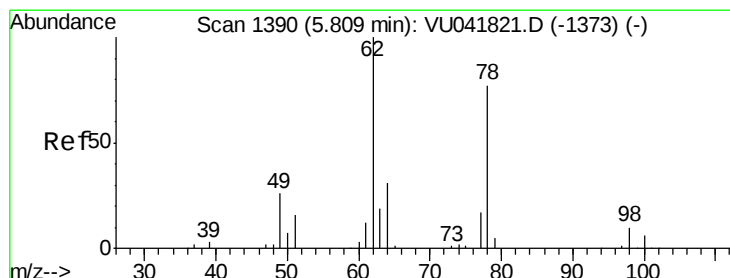
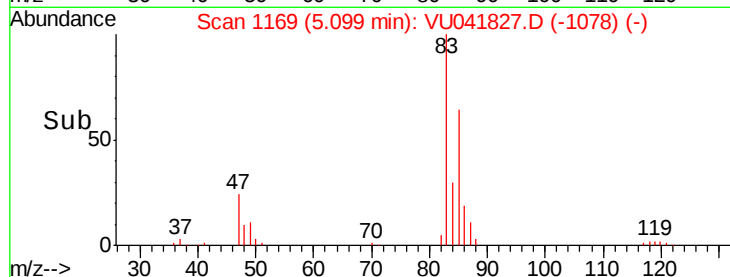
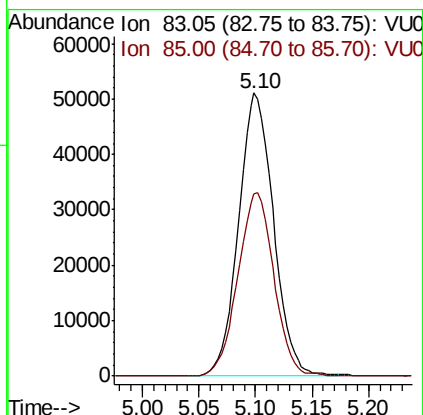
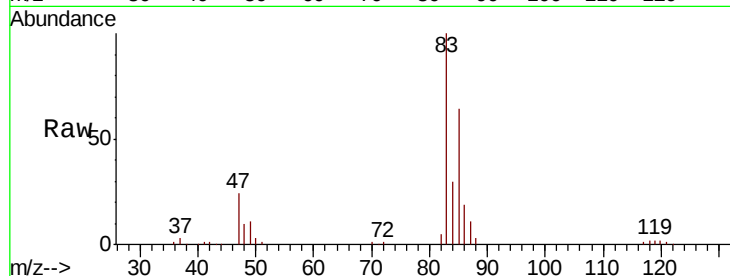




#25
Chloroform
Concen: 4.962 ug/L
RT: 5.10 min Scan# 1169
Delta R.T. -0.01 min
Lab File: VU041827.D
Acq: 28 Dec 2020 14:56

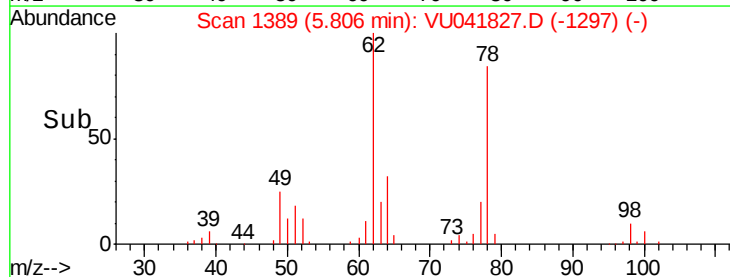
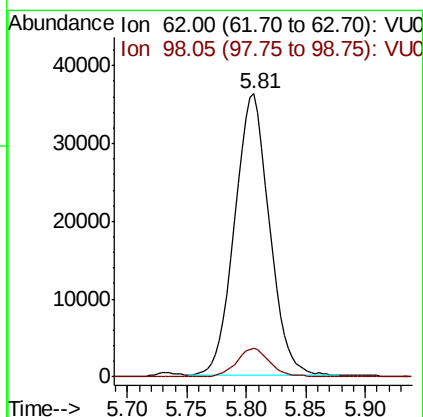
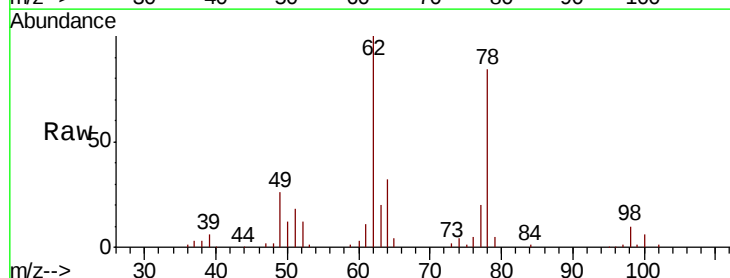
Instrument :
MSVOA_U
ClientSampleId :
VSTD005210

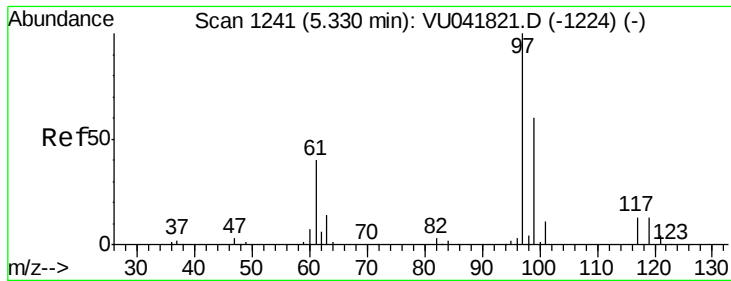
Tot Ion: 83 Resp: 110053
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 5.085 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041827.D
Acq: 28 Dec 2020 14:56

Tgt Ion: 62 Resp: 73389
Ion Ratio Lower Upper
62 100
98 10.1 7.5 11.3

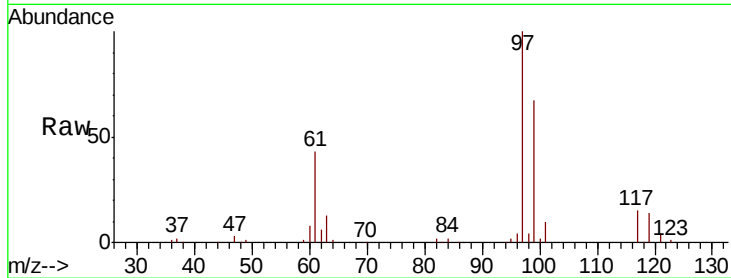




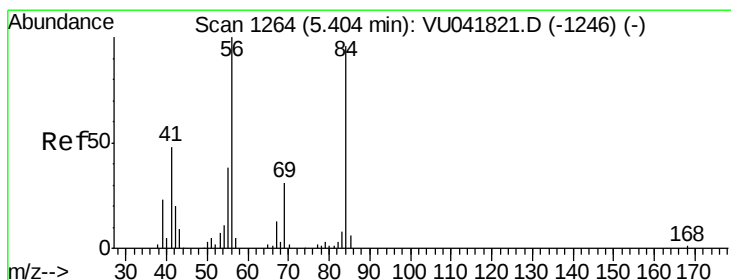
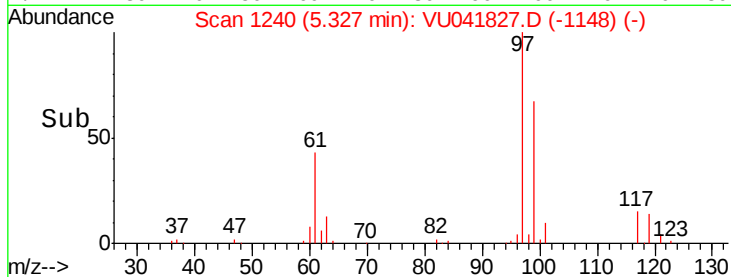
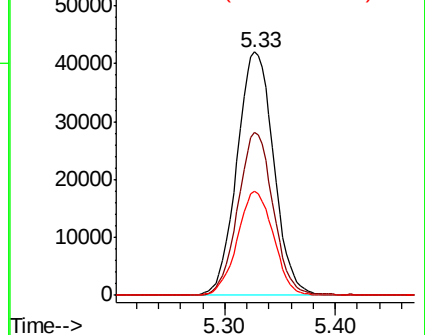
#29
1,1,1-Trichloroethane
Concen: 5.163 ug/L
RT: 5.33 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VU041827.D
Acq: 28 Dec 2020 14:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD005210

Tot Ion: 97 Resp: 97197
Ion Ratio Lower Upper
97 100
99 64.2 50.3 75.5
61 42.0 32.7 49.1

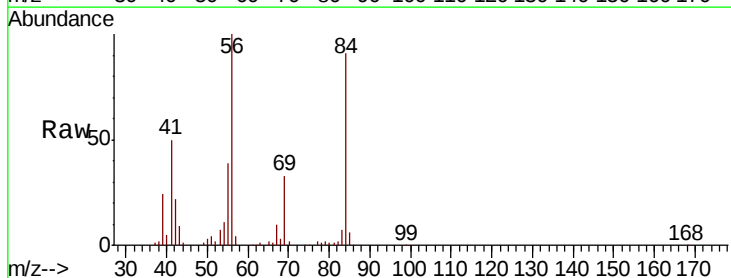


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

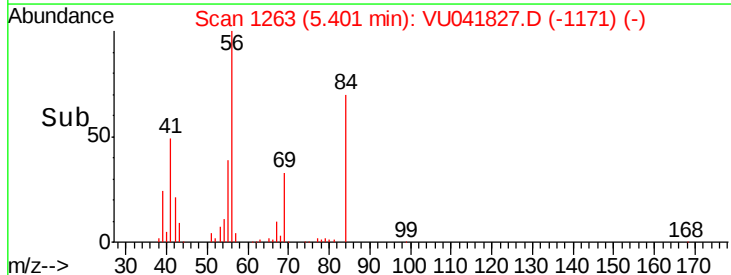
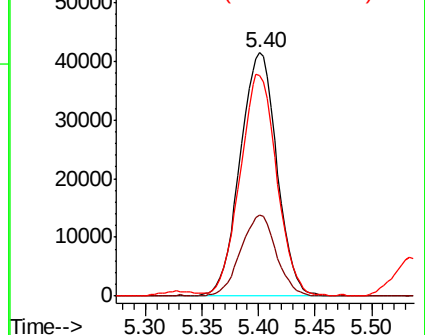


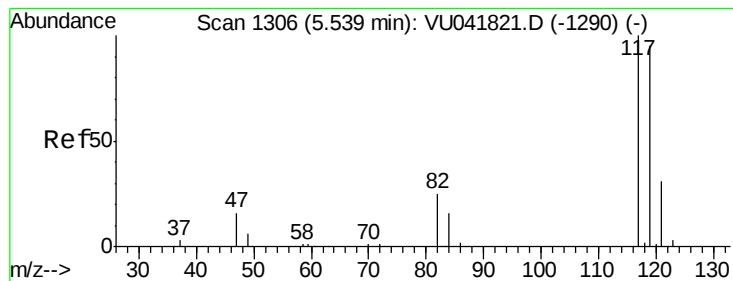
#30
Cyclohexane
Concen: 5.416 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU041827.D
Acq: 28 Dec 2020 14:56

Tgt Ion: 56 Resp: 93920
Ion Ratio Lower Upper
56 100
69 32.2 25.2 37.8
84 90.7 76.2 114.4



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: 5.147 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

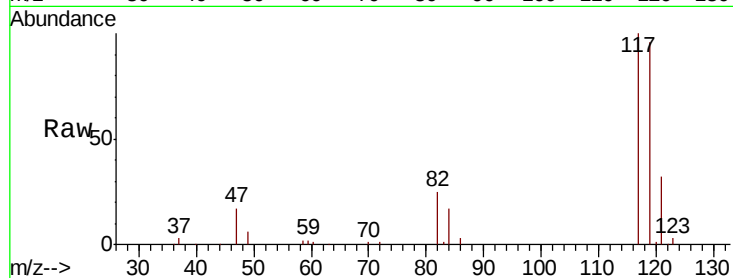
VSTD005210

Tot Ion:117 Resp: 85824

Ion Ratio Lower Upper

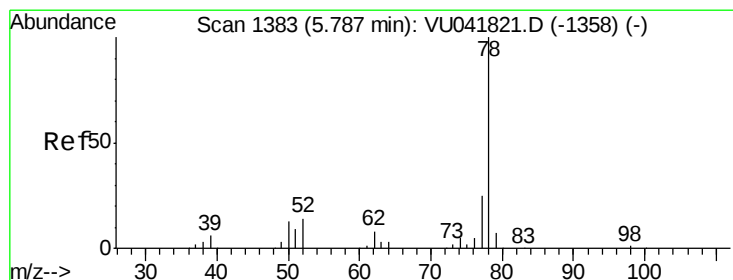
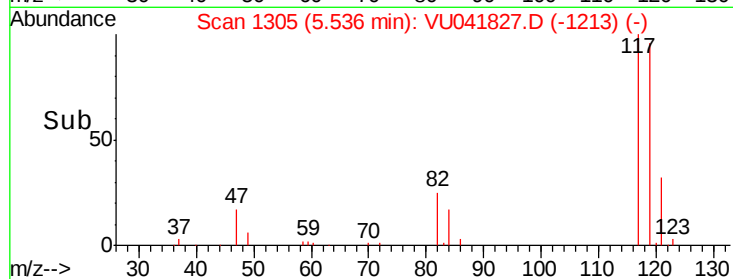
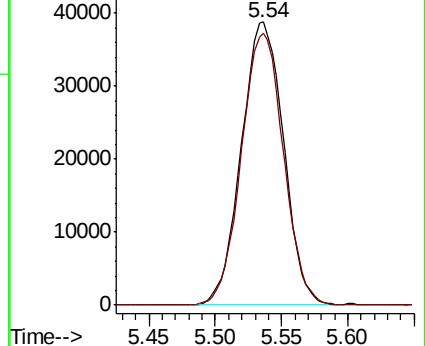
117 100

119 96.0 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.293 ug/L

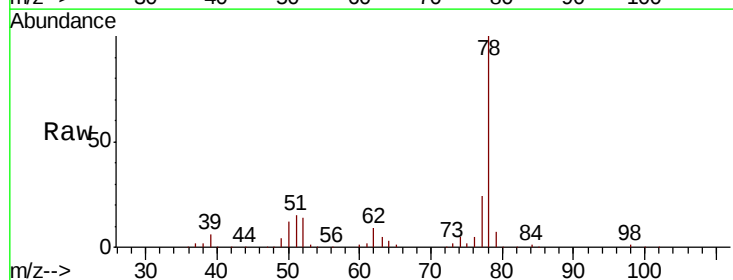
RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

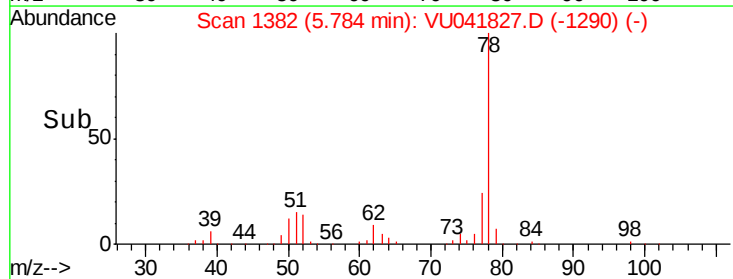
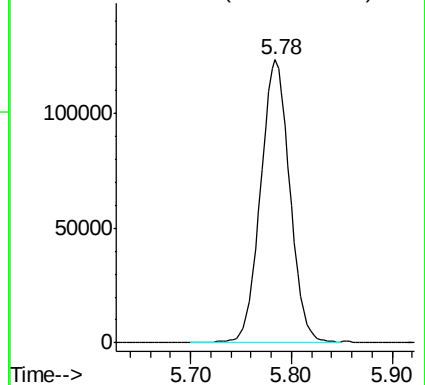
Lab File: VU041827.D

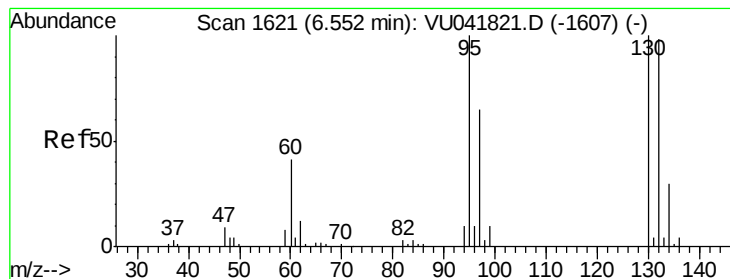
Acq: 28 Dec 2020 14:56

Tgt Ion: 78 Resp: 248360



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.509 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD005210

Tot Ion: 95 Resp: 67574

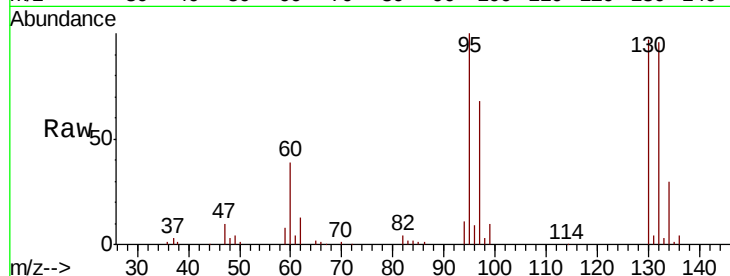
Ion Ratio Lower Upper

95 100

97 67.8 45.8 85.2

132 95.7 68.7 127.7

130 97.4 70.1 130.3

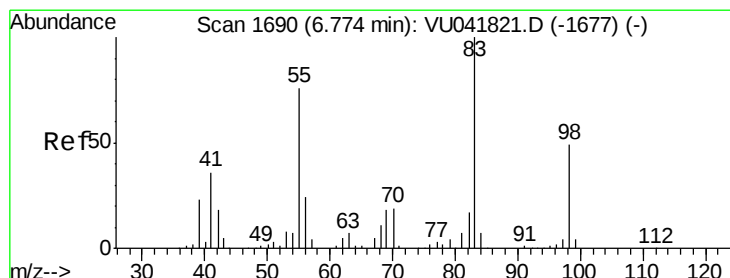
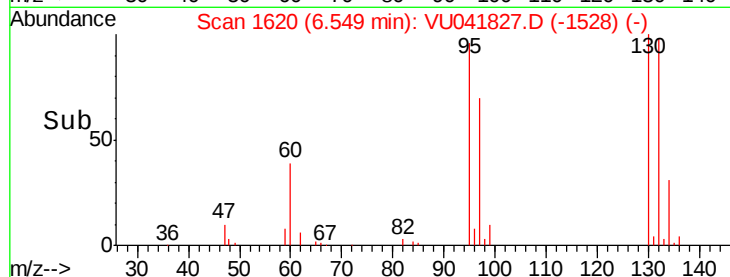
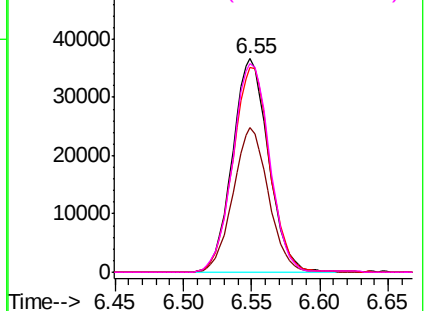


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.652 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

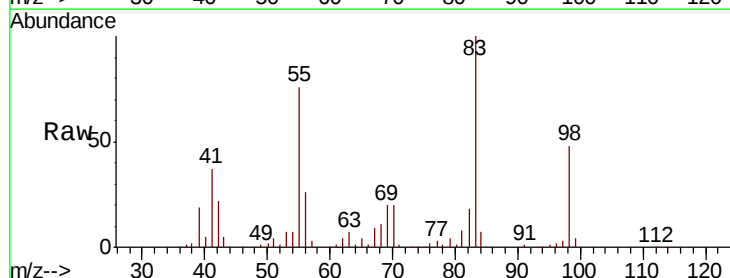
Tgt Ion: 83 Resp: 106271

Ion Ratio Lower Upper

83 100

55 74.1 59.5 89.3

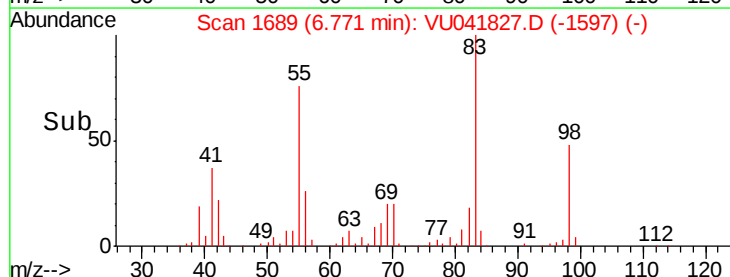
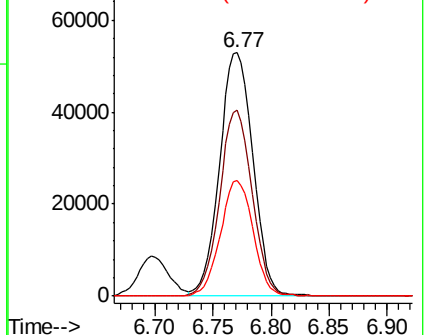
98 46.4 37.9 56.9

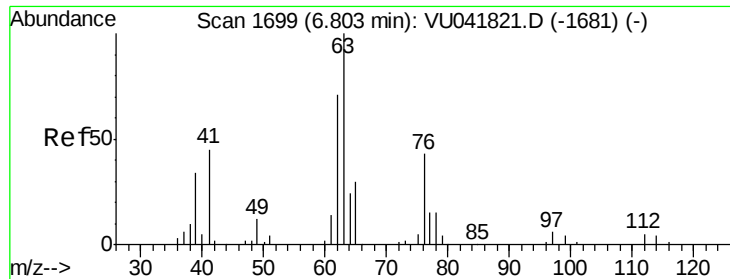


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

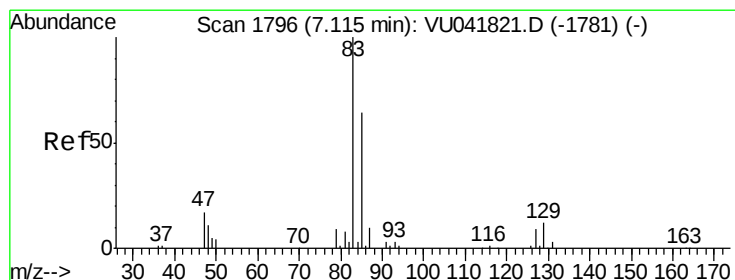
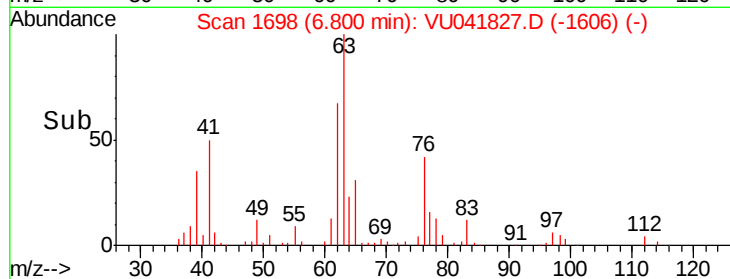
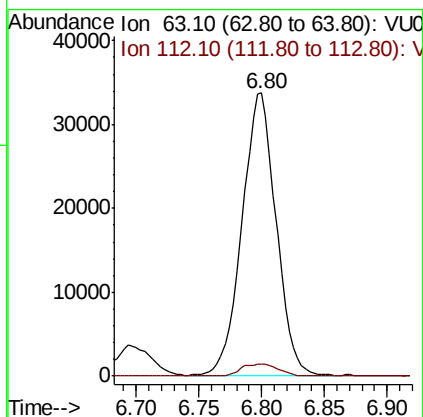
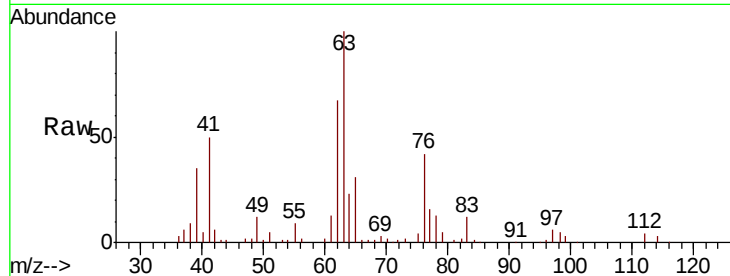




#37
 1,2-Dichloropropane
 Concen: 5.504 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041827.D
 Acq: 28 Dec 2020 14:56

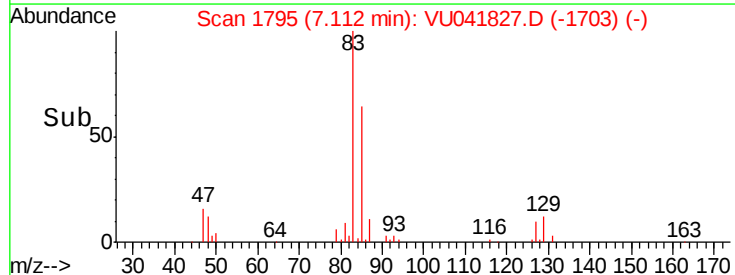
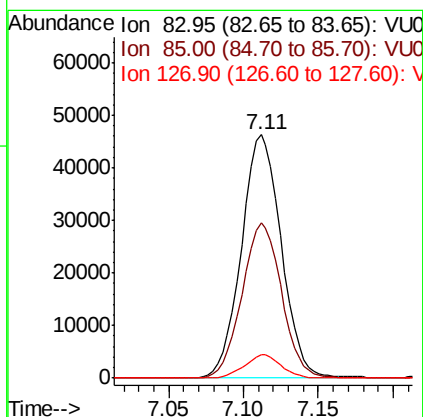
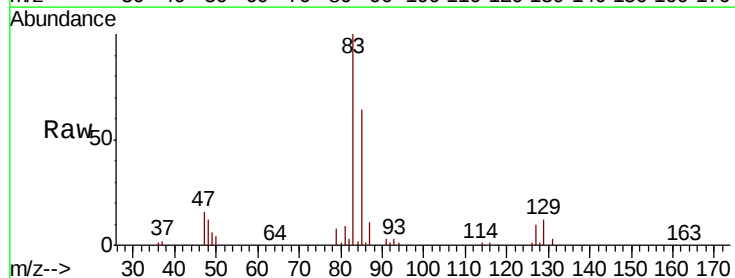
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005210

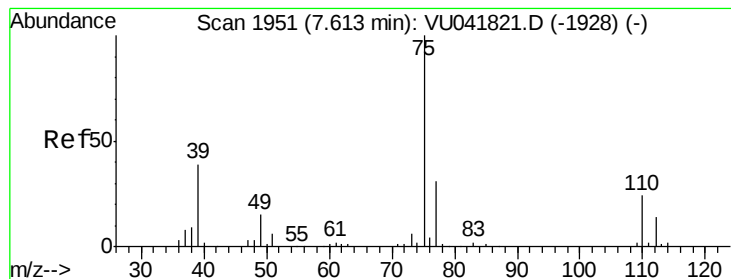
Tot Ion: 63 Resp: 64168
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.601 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU041827.D
 Acq: 28 Dec 2020 14:56

Tgt Ion: 83 Resp: 85745
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.6 82.8
 127 9.7 7.4 11.2



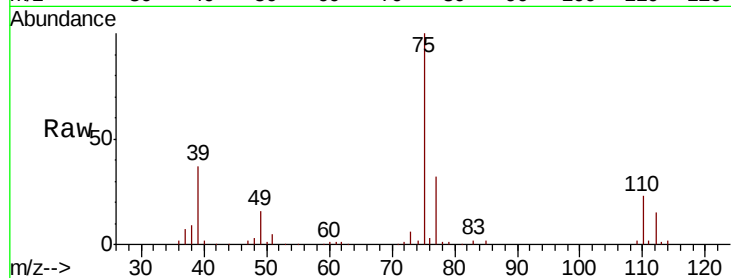


#39

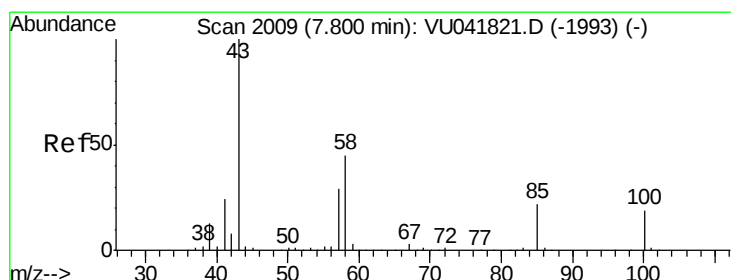
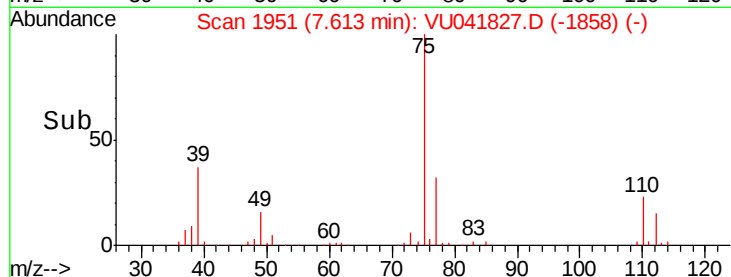
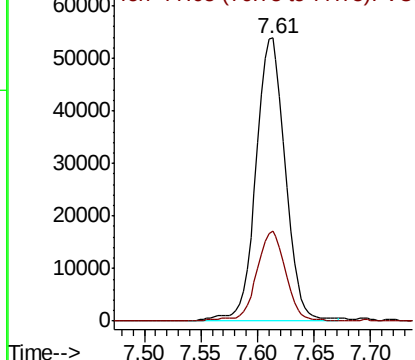
cis-1,3-Dichloropropene
Concen: 5.567 ug/L
RT: 7.61 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VU041827.D
Acq: 28 Dec 2020 14:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD005210

Tot Ion: 75 Resp: 97328
Ion Ratio Lower Upper
75 100
77 31.9 21.8 40.6



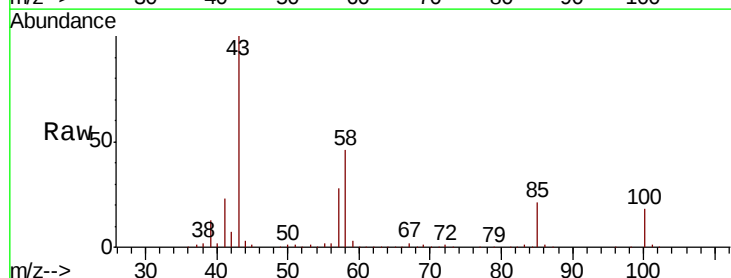
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



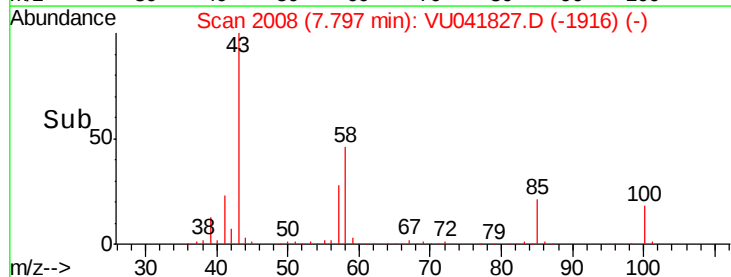
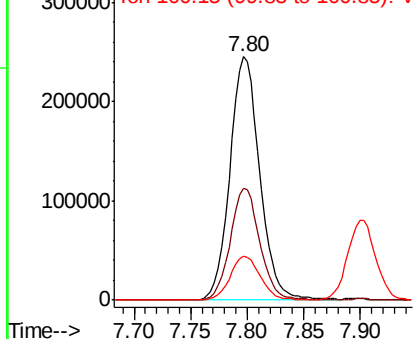
#40

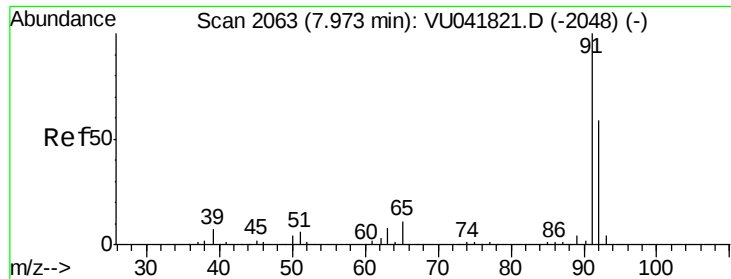
4-Methyl-2-pentanone
Concen: 60.429 ug/L
RT: 7.80 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU041827.D
Acq: 28 Dec 2020 14:56

Tgt Ion: 43 Resp: 451004
Ion Ratio Lower Upper
43 100
58 45.4 35.8 53.6
100 18.3 15.1 22.7



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 5.689 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

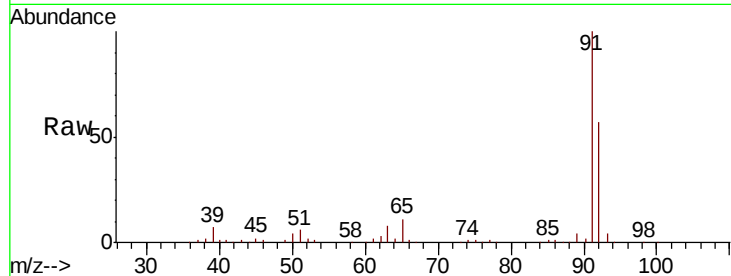
VSTD005210

Tot Ion: 91 Resp: 281601

Ion Ratio Lower Upper

91 100

92 56.8 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

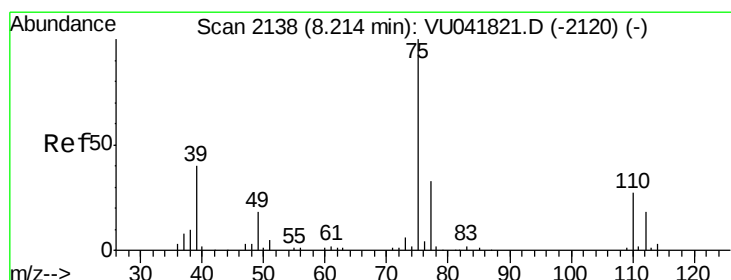
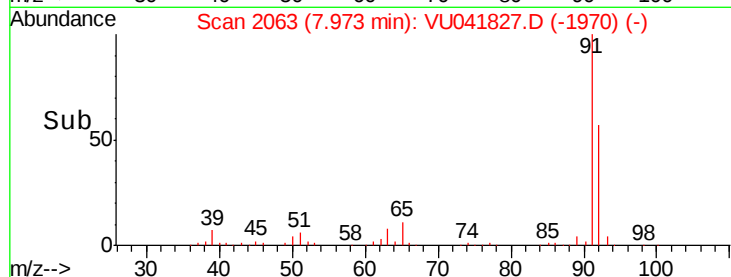
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.272 ug/L

RT: 8.21 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU041827.D

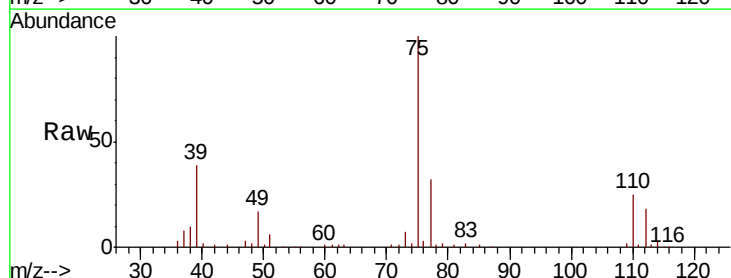
Acq: 28 Dec 2020 14:56

Tgt Ion: 75 Resp: 84347

Ion Ratio Lower Upper

75 100

77 31.7 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

50000

40000

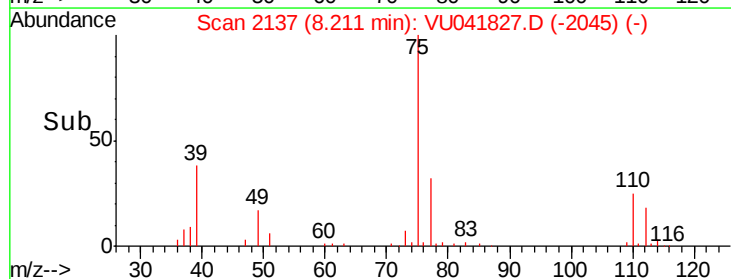
30000

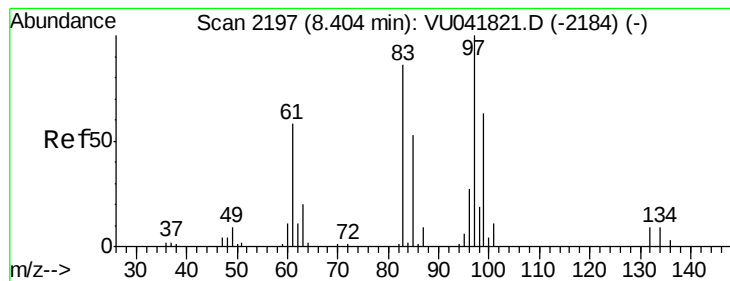
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.113 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD005210

Tot Ion: 97 Resp: 48274

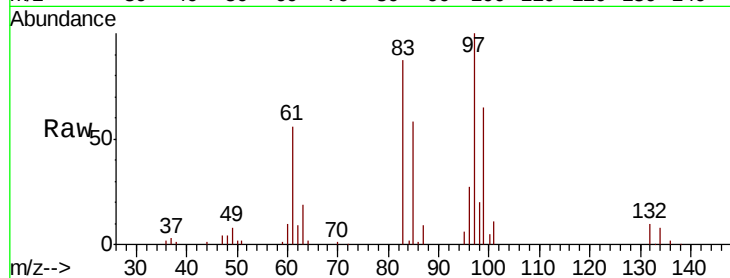
Ion Ratio Lower Upper

97 100

99 64.5 44.2 82.0

83 86.9 60.1 111.7

85 58.5 37.3 69.3

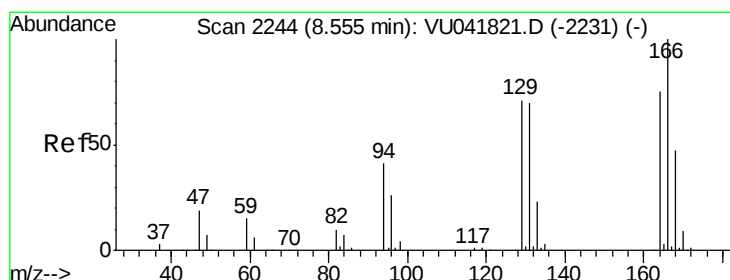
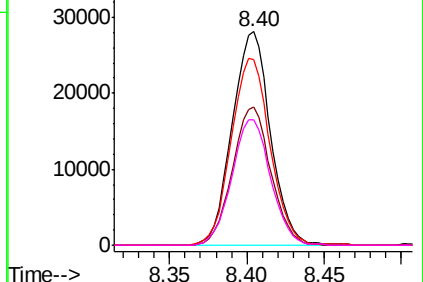
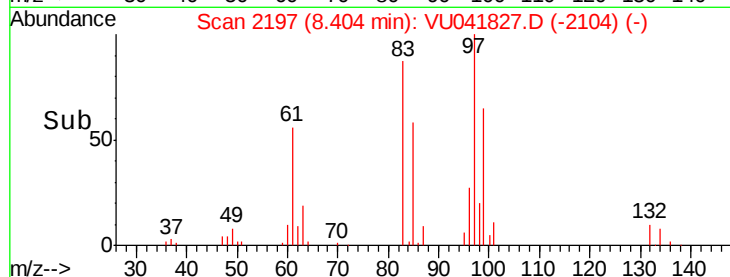


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.308 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Tgt Ion: 164 Resp: 50894

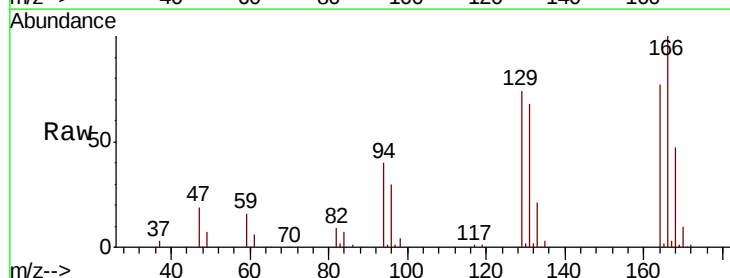
Ion Ratio Lower Upper

164 100

129 96.9 66.6 123.8

131 89.3 65.9 122.3

166 130.4 93.7 173.9

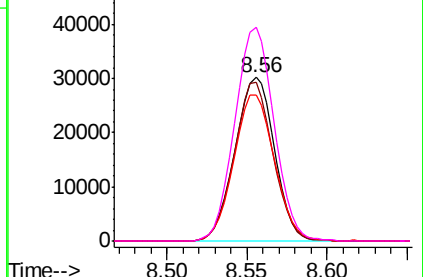
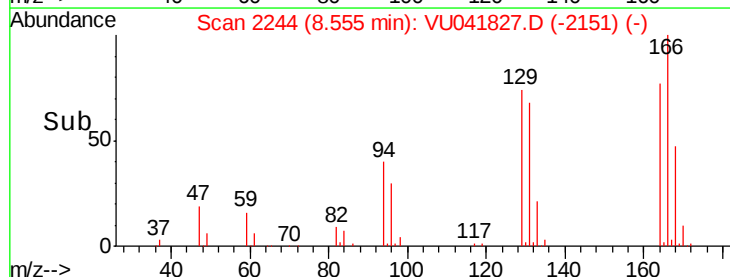


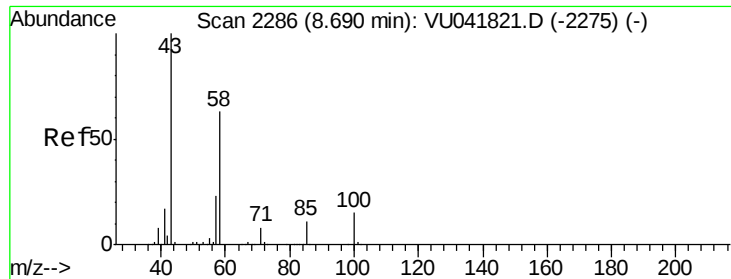
Abundance Ion 163.90 (163.60 to 164.60): V

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

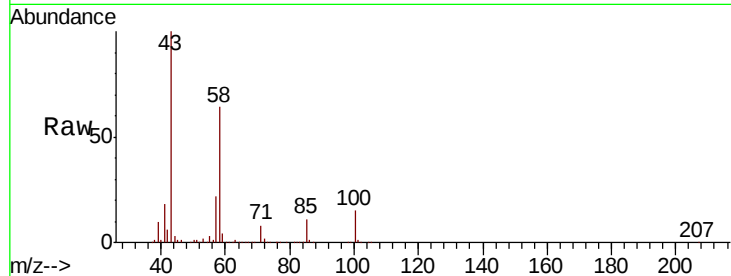




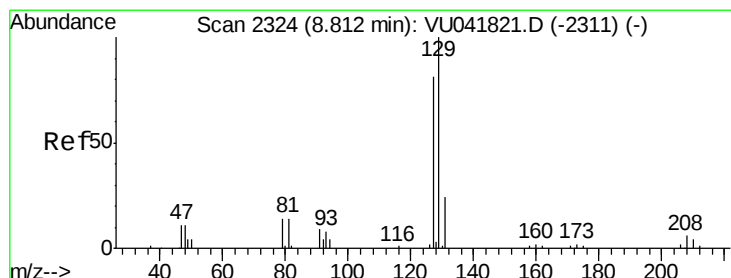
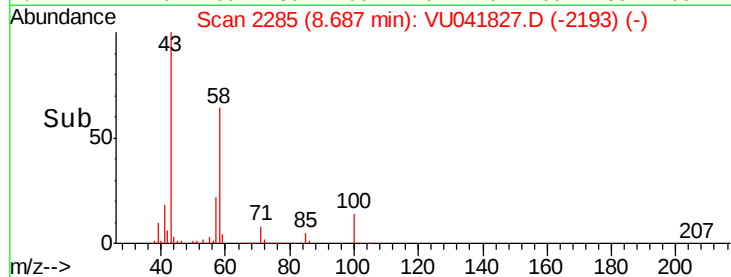
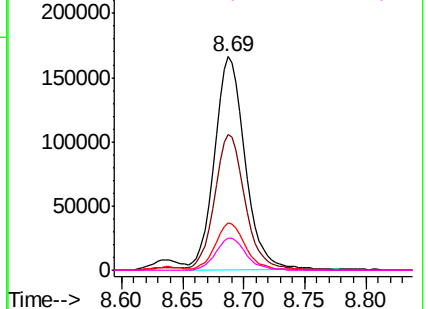
#48
2-Hexanone
Concen: 53.512 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041827.D
Acq: 28 Dec 2020 14:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD005210

Tot Ion:	43	Resp:	292049
Ion	Ratio	Lower	Upper
43	100		
58	64.5	50.0	75.0
57	21.9	17.4	26.0
100	15.0	11.8	17.8

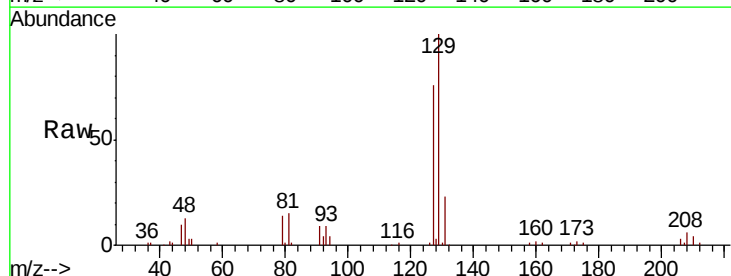


Abundance Ion 43.05 (42.75 to 43.75): VU041827.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU041827.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU041827.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU041827.D (-2275) (-)

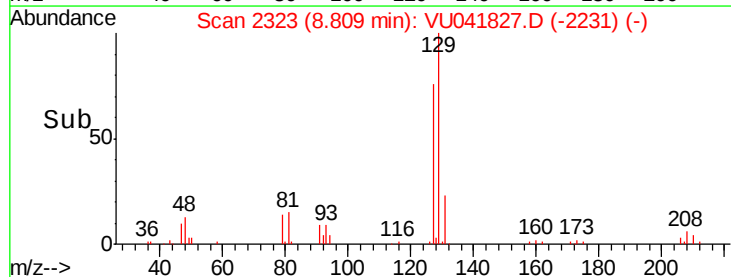
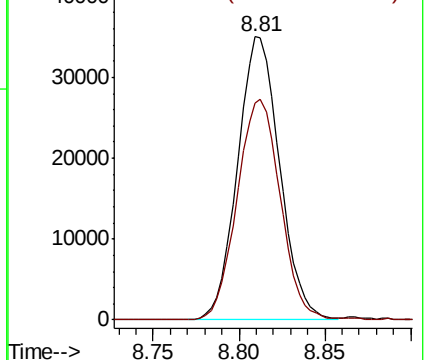


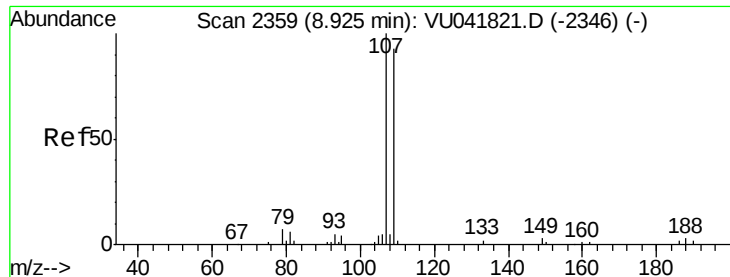
#49
Dibromochloromethane
Concen: 5.240 ug/L
RT: 8.81 min Scan# 2323
Delta R.T. -0.00 min
Lab File: VU041827.D
Acq: 28 Dec 2020 14:56

Tgt Ion:	129	Resp:	59510
Ion	Ratio	Lower	Upper
129	100		
127	76.4	56.6	105.2



Abundance Ion 128.95 (128.65 to 129.65): VU041827.D (-2311) (-)
Ion 126.90 (126.60 to 127.60): VU041827.D (-2311) (-)

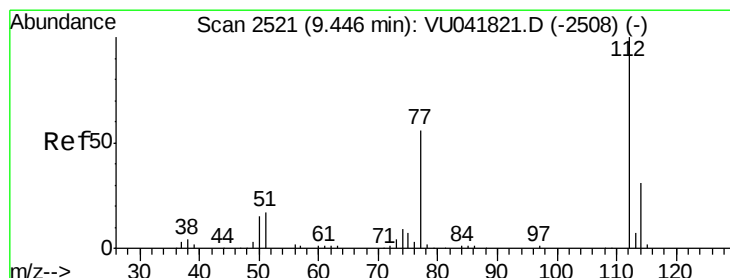
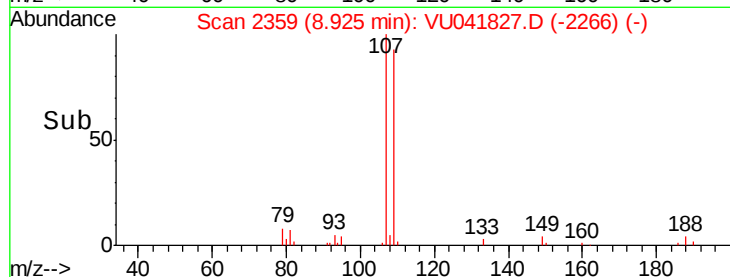
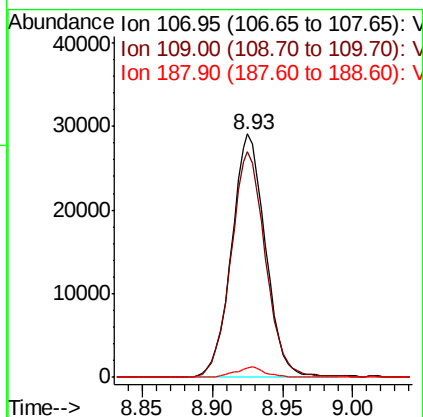
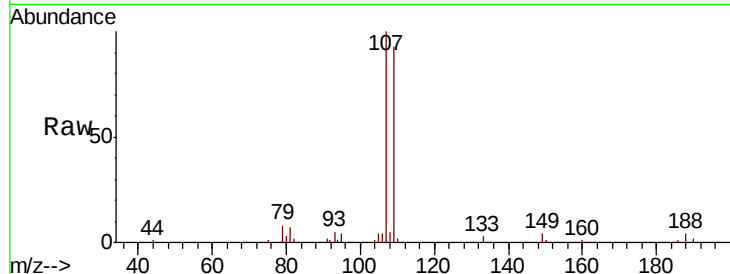




#50
1,2-Dibromoethane
Concen: 5.231 ug/L
RT: 8.93 min Scan# 2359
Delta R.T. 0.00 min
Lab File: VU041827.D
Acq: 28 Dec 2020 14:56

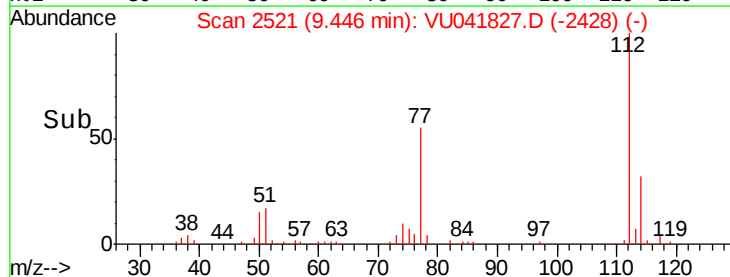
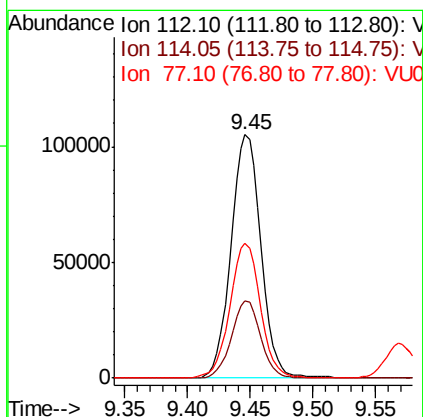
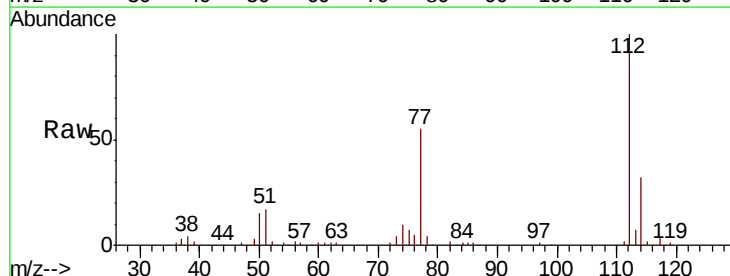
Instrument :
MSVOA_U
ClientSampleId :
VSTD005210

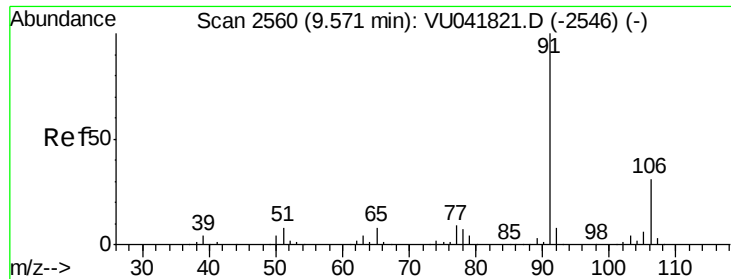
Tot Ion:107 Resp: 48892
Ion Ratio Lower Upper
107 100
109 92.5 65.4 121.4
188 3.9 2.5 3.7#



#51
Chlorobenzene
Concen: 5.370 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. 0.00 min
Lab File: VU041827.D
Acq: 28 Dec 2020 14:56

Tgt Ion:112 Resp: 174307
Ion Ratio Lower Upper
112 100
114 31.8 21.9 40.7
77 55.4 45.1 67.7





#52

Ethylbenzene

Concen: 5.338 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

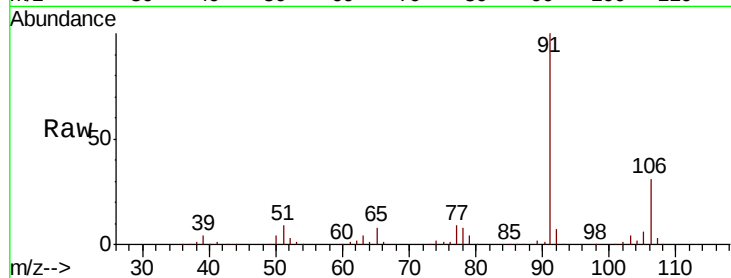
VSTD005210

Tot Ion: 91 Resp: 275327

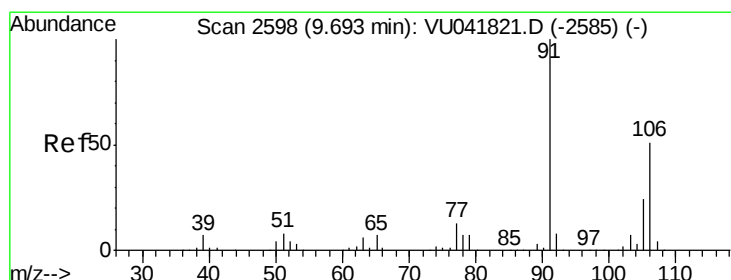
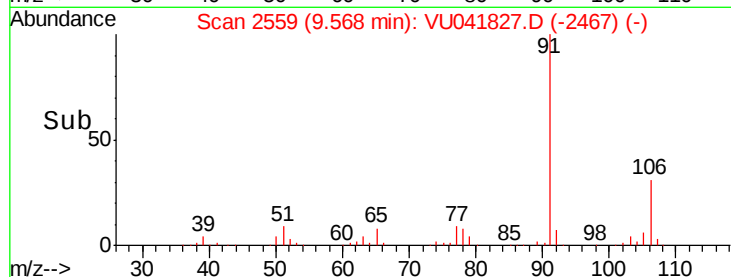
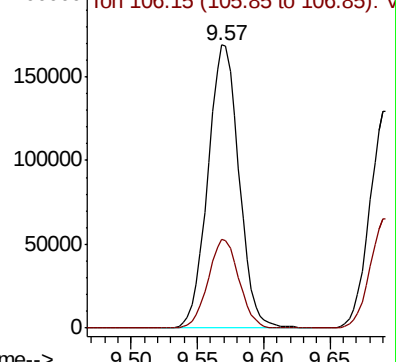
Ion Ratio Lower Upper

91 100

106 31.3 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VU041827.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.377 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041827.D

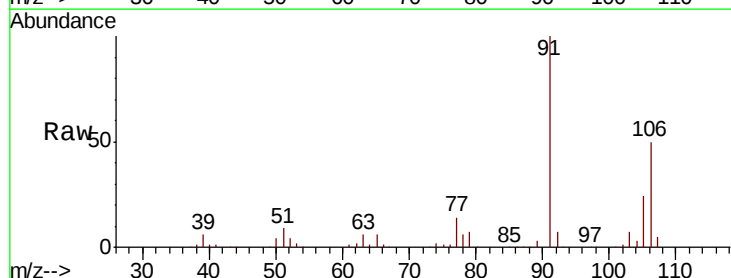
Acq: 28 Dec 2020 14:56

Tgt Ion: 106 Resp: 108783

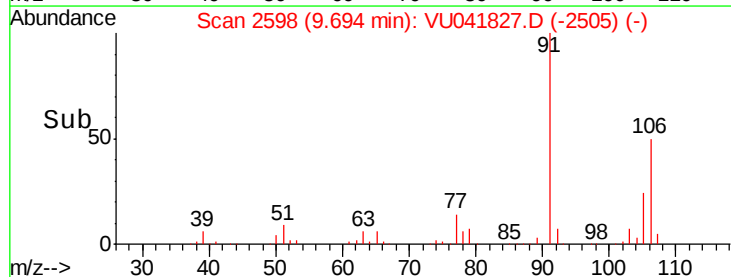
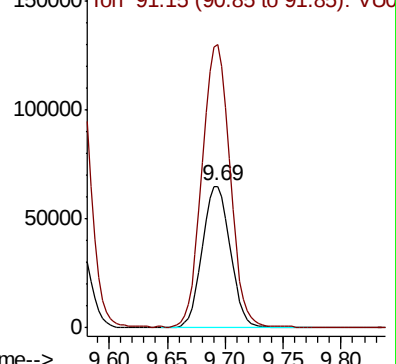
Ion Ratio Lower Upper

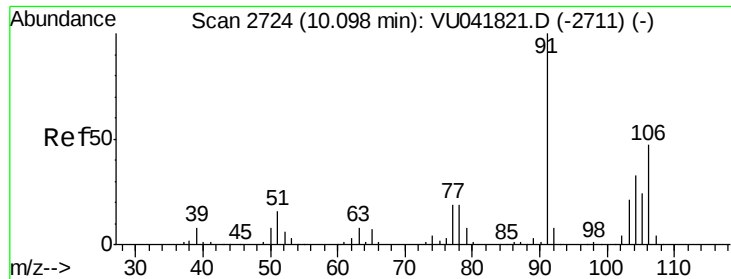
106 100

91 199.6 137.6 255.6



Abundance Ion 106.15 (105.85 to 106.85): VU041827.D (-2585) (-)

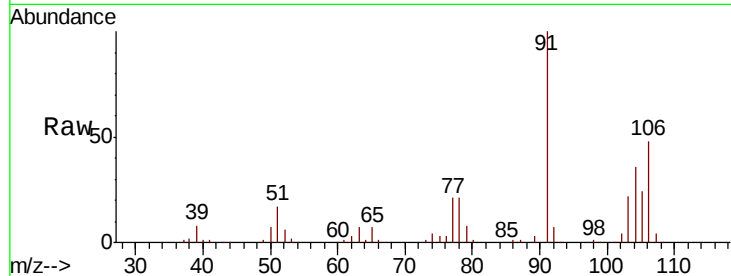




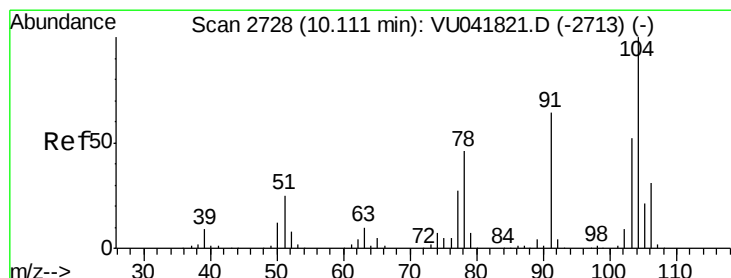
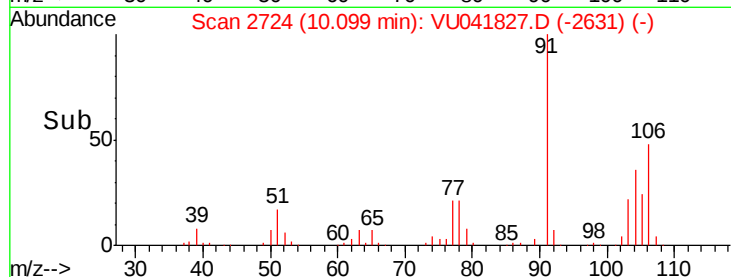
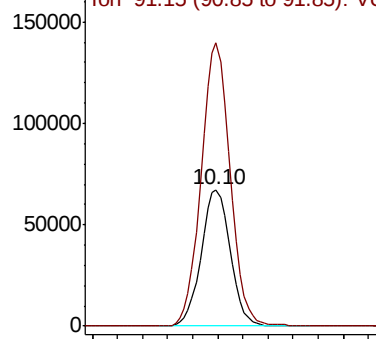
#54
o-Xylene
Concen: 5.606 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041827.D
Acq: 28 Dec 2020 14:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD005210

Tot Ion:106 Resp: 108032
Ion Ratio Lower Upper
106 100
91 206.9 148.5 275.9

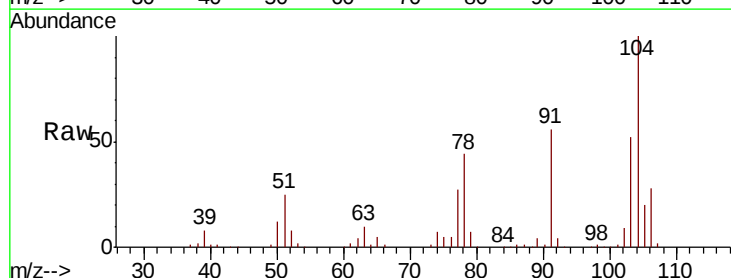


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

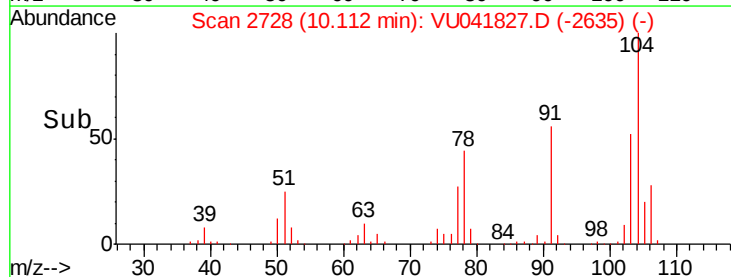
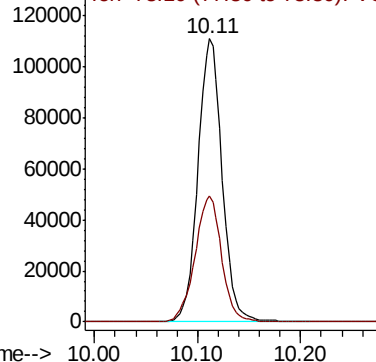


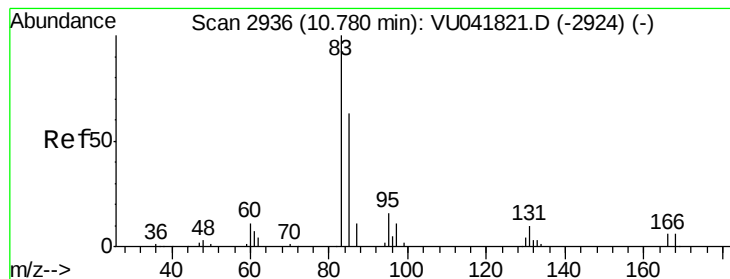
#55
Styrene
Concen: 5.460 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. 0.00 min
Lab File: VU041827.D
Acq: 28 Dec 2020 14:56

Tgt Ion:104 Resp: 181168
Ion Ratio Lower Upper
104 100
78 44.4 32.3 60.1



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





#57

1,1,2,2-Tetrachloroethane

Concen: 5.167 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD005210

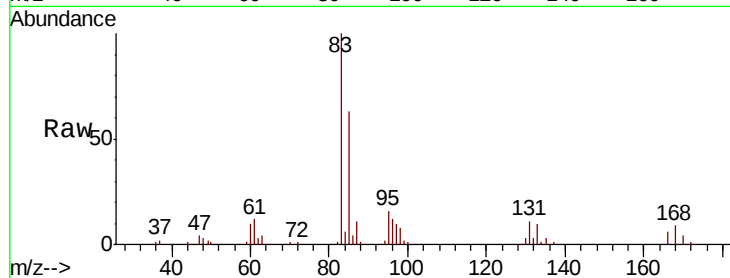
Tot Ion: 83 Resp: 64090

Ion Ratio Lower Upper

83 100

85 62.7 44.9 83.5

131 11.0 8.2 12.4

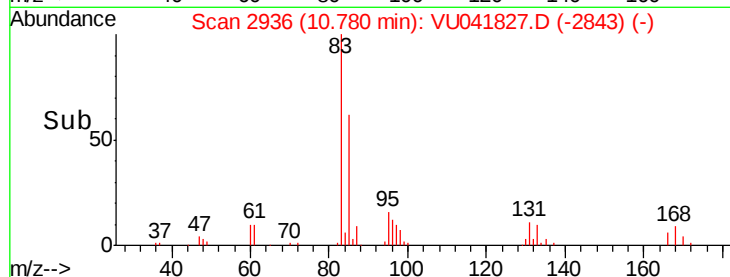


Abundance Ion 82.95 (82.65 to 83.65): VU041827.D (-2924) (-)

Ion 85.00 (84.70 to 85.70): VU041827.D (-2924) (-)

Ion 130.95 (130.65 to 131.65): VU041827.D (-2924) (-)

Time-->



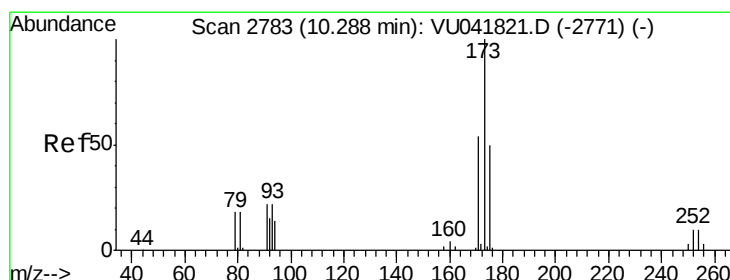
Abundance

Ion 82.95 (82.65 to 83.65): VU041827.D (-2924) (-)

Ion 85.00 (84.70 to 85.70): VU041827.D (-2924) (-)

Ion 130.95 (130.65 to 131.65): VU041827.D (-2924) (-)

Time-->



#59

Bromoform

Concen: 5.138 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

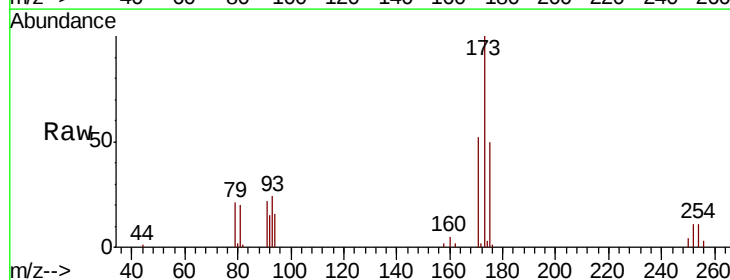
Tgt Ion: 173 Resp: 36798

Ion Ratio Lower Upper

173 100

175 49.1 39.4 59.0

254 10.5 8.0 12.0

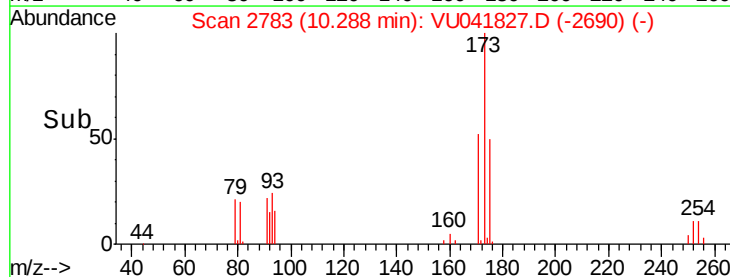


Abundance Ion 172.90 (172.60 to 173.60): VU041827.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU041827.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU041827.D (-2771) (-)

Time-->



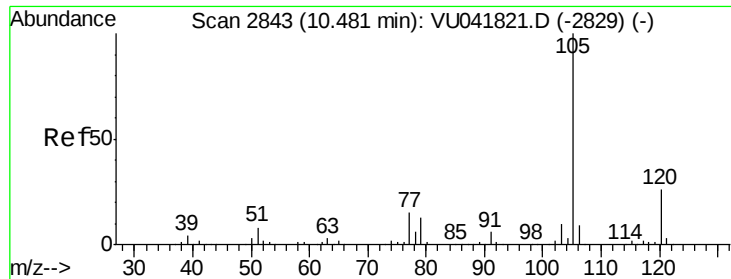
Abundance

Ion 172.90 (172.60 to 173.60): VU041827.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU041827.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU041827.D (-2771) (-)

Time-->



#60

Isopropylbenzene

Concen: 5.353 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD005210

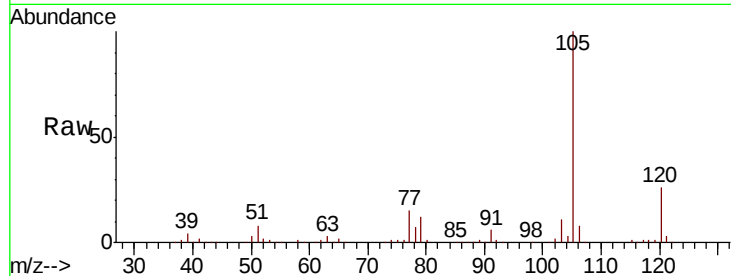
Tot Ion:105 Resp: 278463

Ion Ratio Lower Upper

105 100

120 26.6 20.9 31.3

77 15.1 11.8 17.8

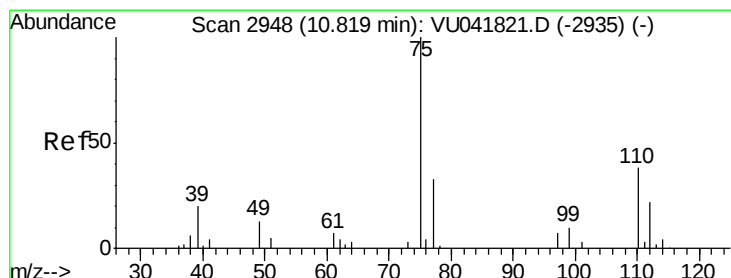
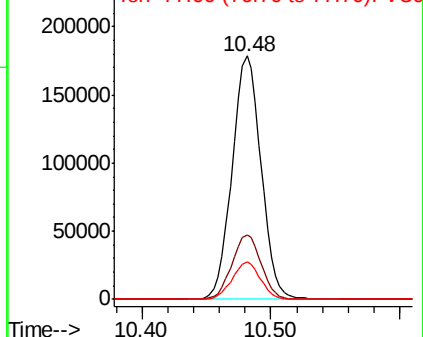
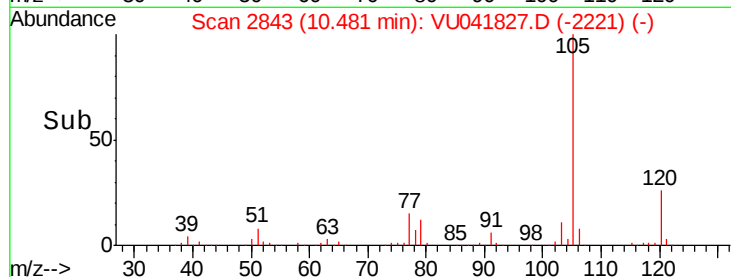


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 4.976 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

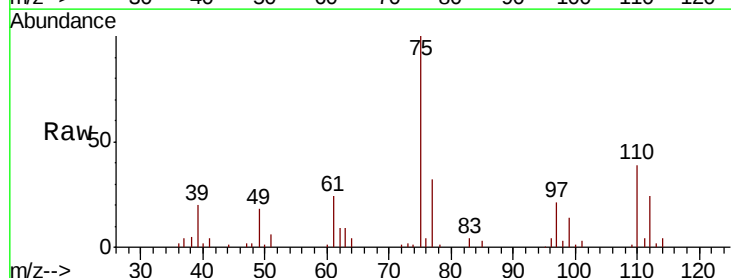
Tgt Ion: 75 Resp: 46436

Ion Ratio Lower Upper

75 100

110 38.5 31.5 47.3

77 32.1 26.3 39.5

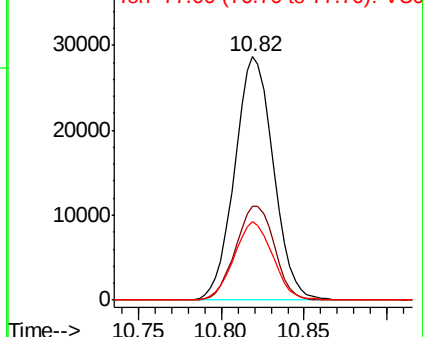
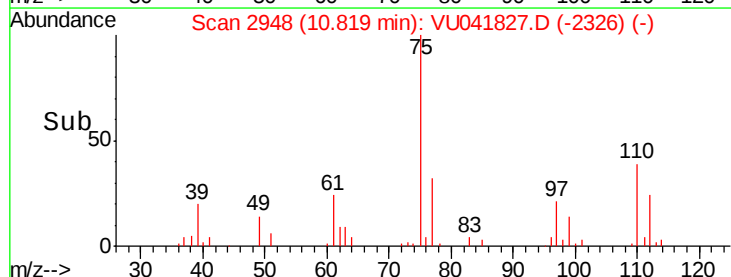


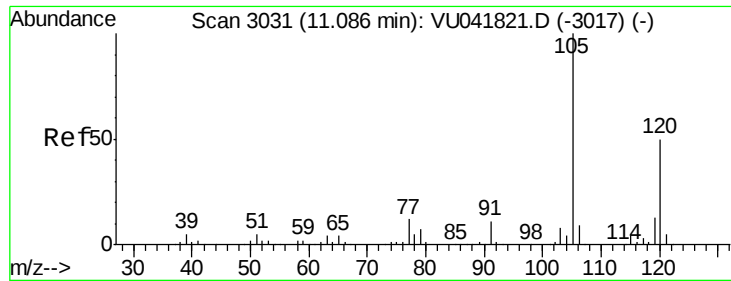
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): V





#62

1,3,5-Trimethylbenzene

Concen: 5.417 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

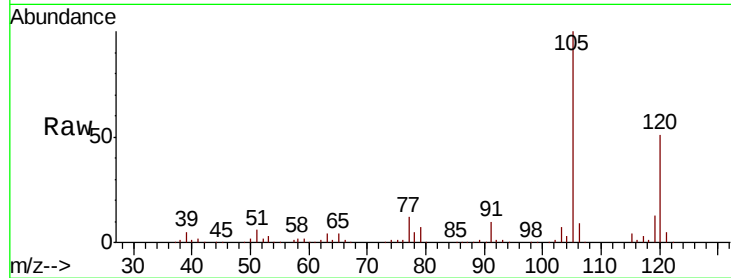
VSTD005210

Tot Ion:105 Resp: 231278

Ion Ratio Lower Upper

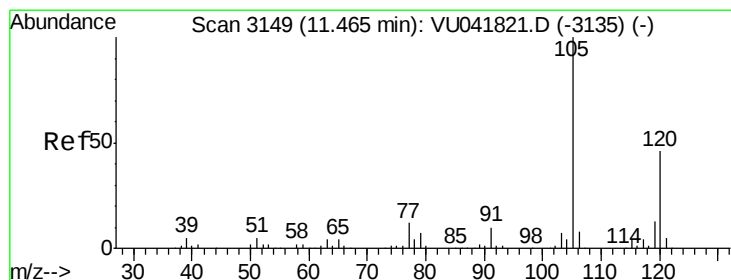
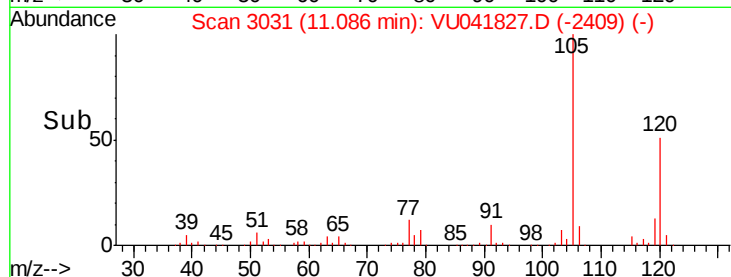
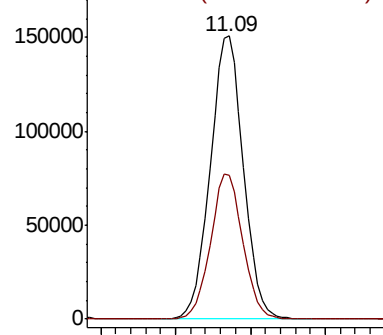
105 100

120 50.1 39.5 59.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 5.513 ug/L

RT: 11.46 min Scan# 3148

Delta R.T. -0.00 min

Lab File: VU041827.D

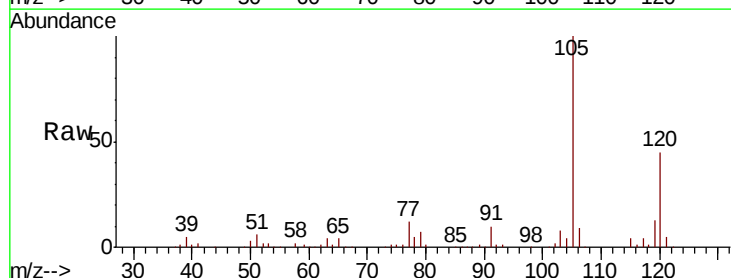
Acq: 28 Dec 2020 14:56

Tgt Ion:105 Resp: 233702

Ion Ratio Lower Upper

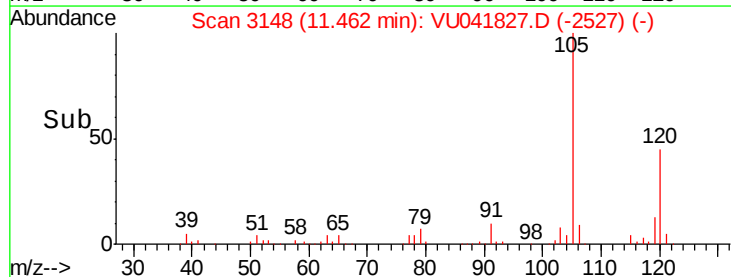
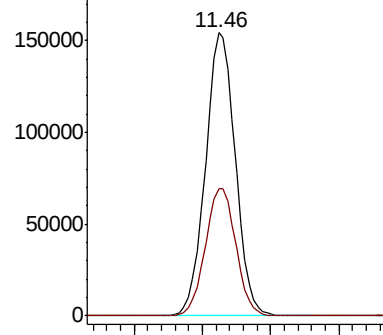
105 100

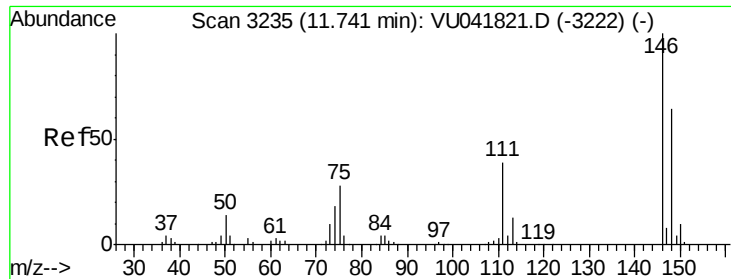
120 46.0 36.7 55.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

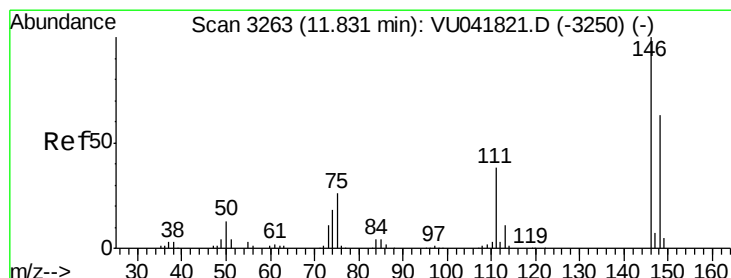
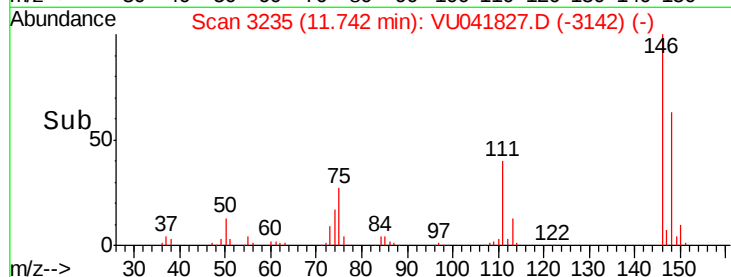
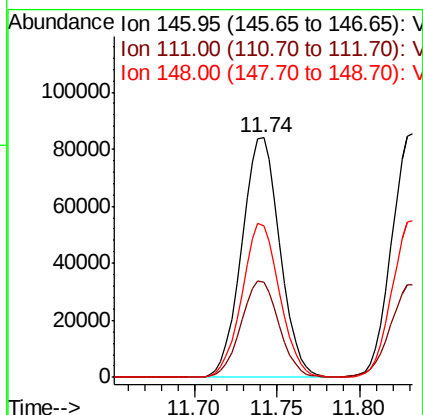
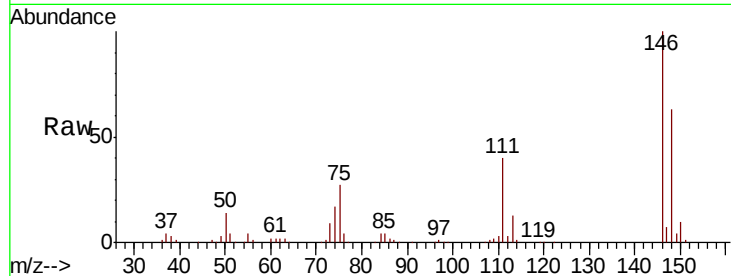




#64
 1,3-Dichlorobenzene
 Concen: 5.333 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041827.D
 Acq: 28 Dec 2020 14:56

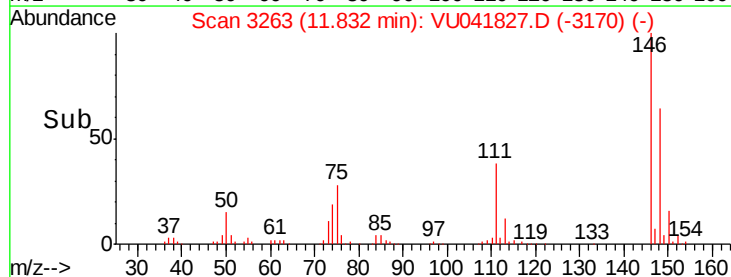
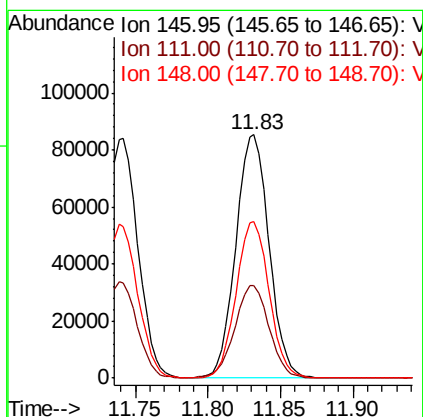
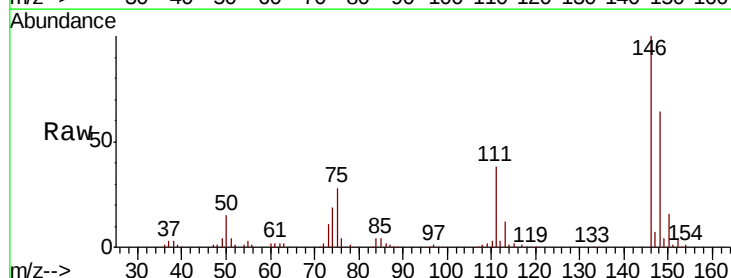
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005210

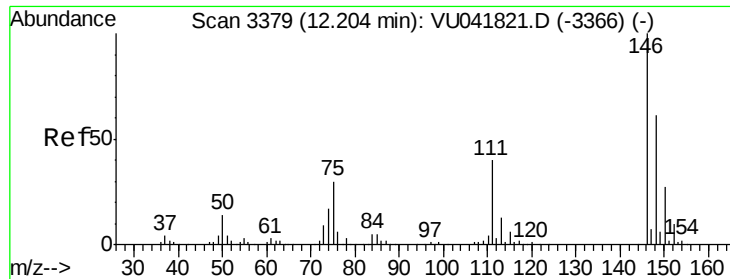
Tot Ion:146 Resp: 134148
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.6 51.2
 148 63.5 44.9 83.3



#65
 1,4-Dichlorobenzene
 Concen: 5.319 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041827.D
 Acq: 28 Dec 2020 14:56

Tgt Ion:146 Resp: 135965
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.7 49.5
 148 64.1 43.9 81.5

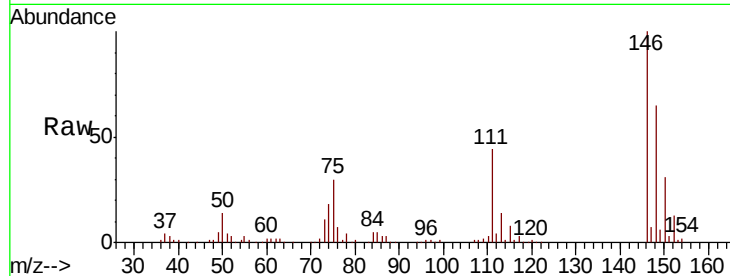




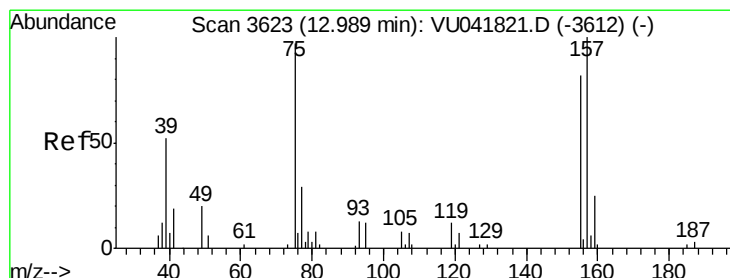
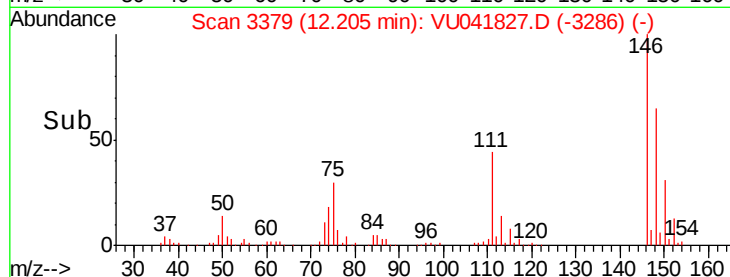
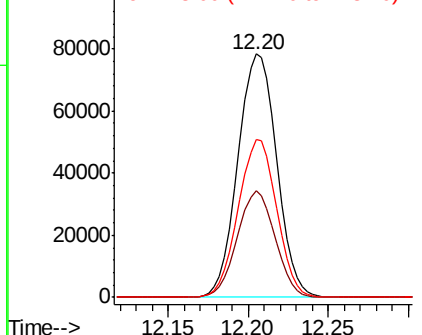
#67
 1,2-Dichlorobenzene
 Concen: 5.180 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU041827.D
 Acq: 28 Dec 2020 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005210

Tot Ion:146 Resp: 129573
 Ion Ratio Lower Upper
 146 100
 111 43.6 31.9 47.9
 148 64.9 48.8 73.2

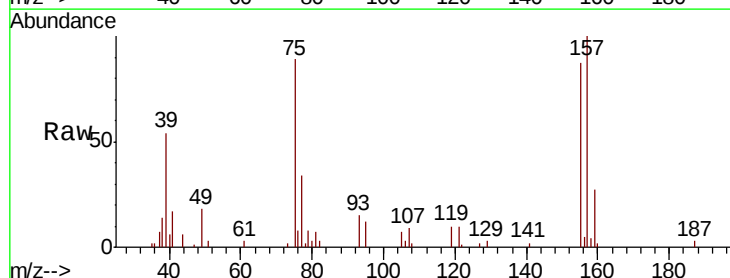


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

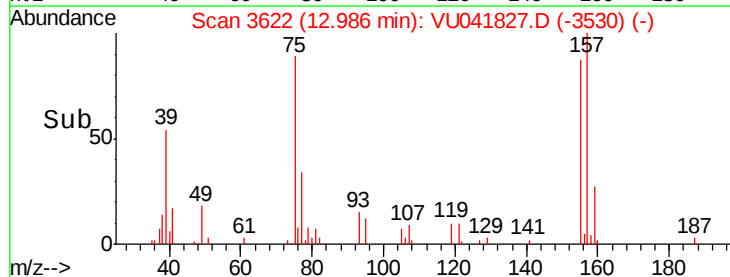
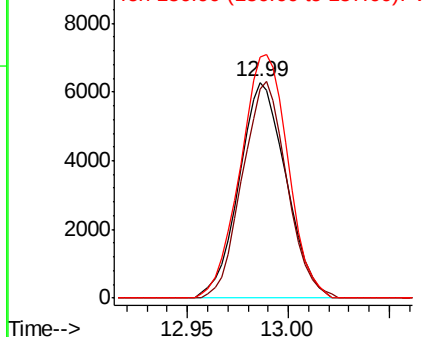


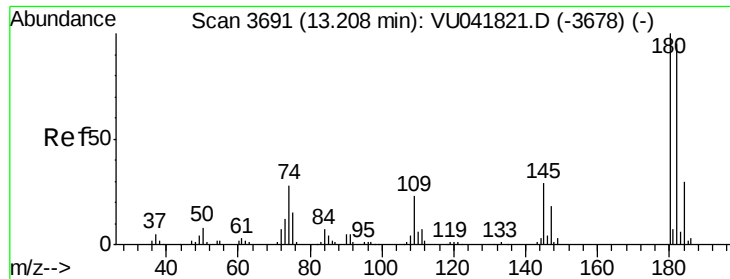
#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.758 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041827.D
 Acq: 28 Dec 2020 14:56

Tgt Ion: 75 Resp: 10220
 Ion Ratio Lower Upper
 75 100
 155 96.8 67.8 101.8
 157 111.8 82.4 123.6



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

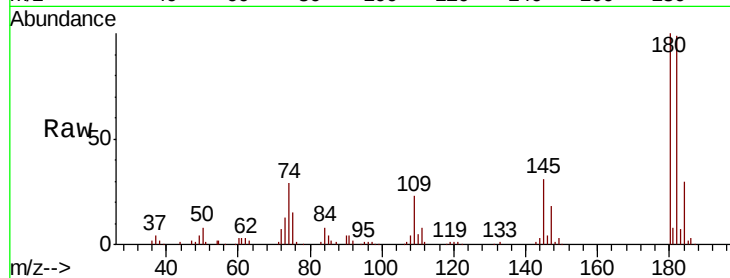




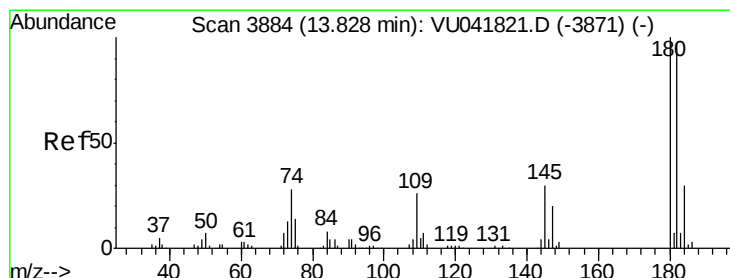
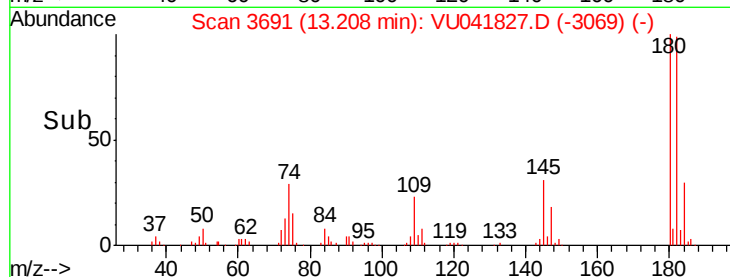
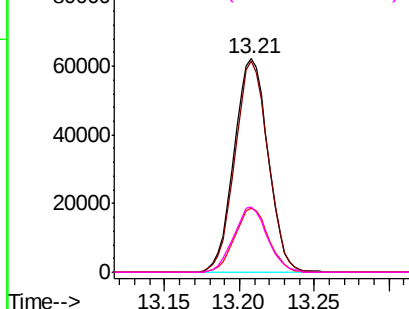
#69
 1,3,5-Trichlorobenzene
 Concen: 5.219 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041827.D
 Acq: 28 Dec 2020 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005210

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.1	114.1
184	29.6	24.0	36.0
145	30.3	23.2	34.8

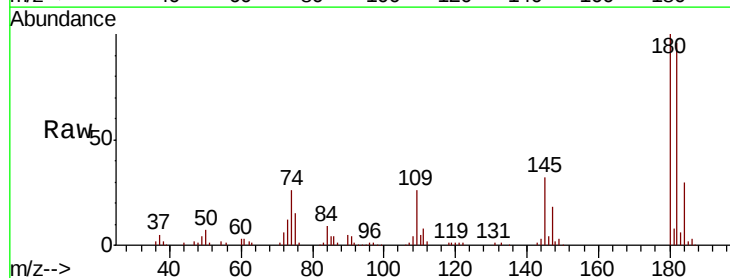


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

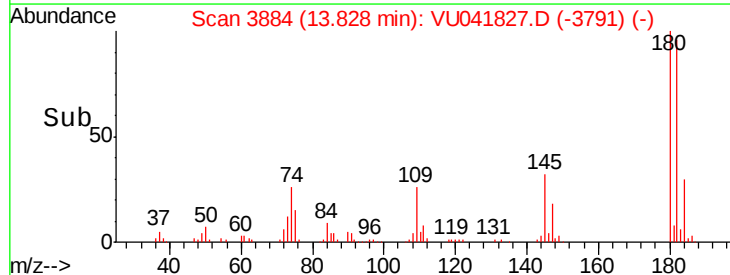
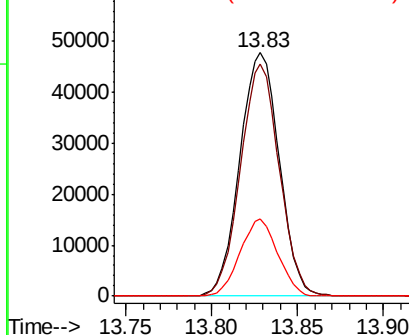


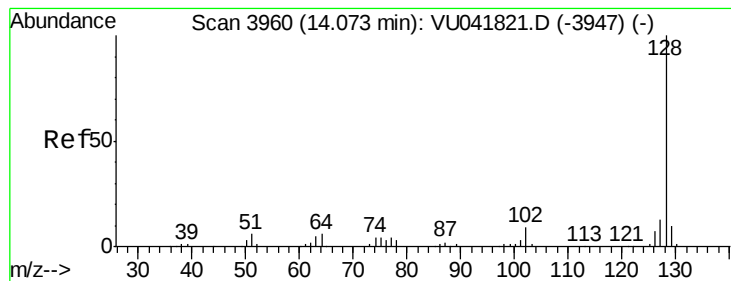
#70
 1,2,4-trichlorobenzene
 Concen: 5.554 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041827.D
 Acq: 28 Dec 2020 14:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.5	114.7
145	30.1	24.1	36.1



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





#71

Naphthalene

Concen: 5.292 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD005210

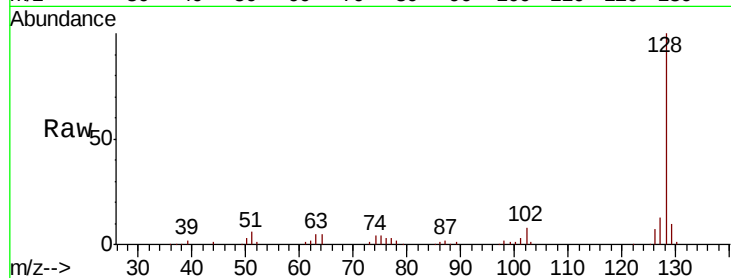
Tot Ion:128 Resp: 128339

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

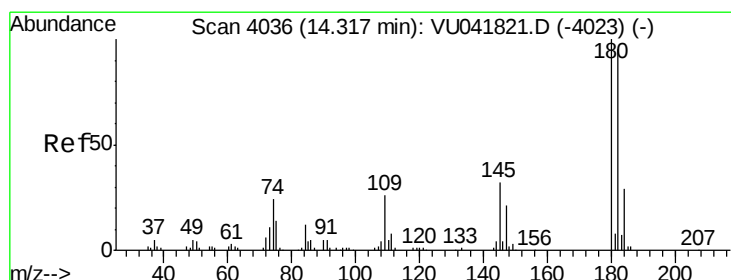
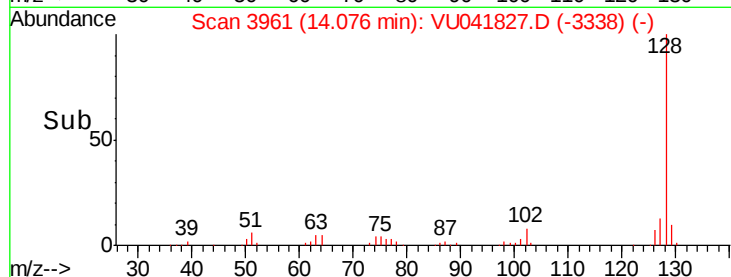
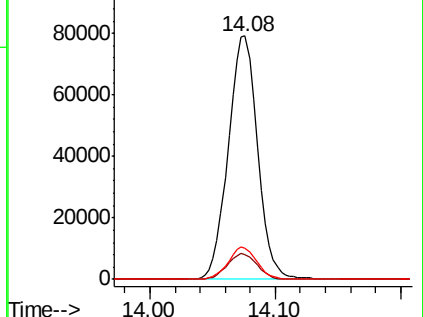
127 12.9 10.6 15.8



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



#72

1,2,3-Trichlorobenzene

Concen: 5.451 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041827.D

Acq: 28 Dec 2020 14:56

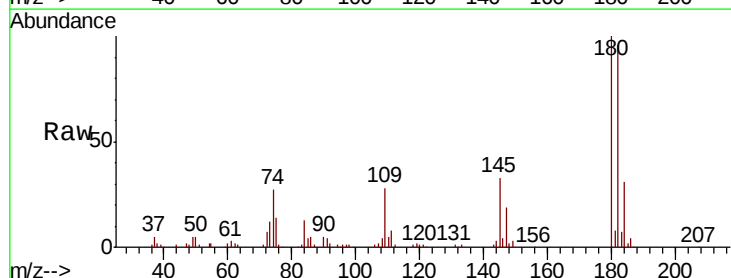
Tgt Ion:180 Resp: 71575

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.8

145 32.2 25.0 37.4



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

