

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101320\
 Data File : VU040689.D
 Acq On : 13 Oct 2020 17:47
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Quant Time: Oct 14 06:06:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 14 05:57:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	127757	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128807	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	70303	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	40688	3.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.80%
7) Chloroethane-d5	1.92	69	37370	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.58	63	90965	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.00%
20) 2-Butanone-d5	4.66	46	187002	55.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.40%
24) Chloroform-d	5.08	84	94403	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.72	65	55159	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.74	84	163397	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.70	67	56594	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.91	98	147520	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	8.19	79	23987	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.64	63	137978	54.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54354	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	62633	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	59329	5.125	ug/L	98
3) Chloromethane	1.53	50	50557	4.670	ug/L	100
5) Vinyl chloride	1.61	62	54709	4.799	ug/L	99
6) Bromomethane	1.87	94	26732	4.318	ug/L	96
8) Chloroethane	1.94	64	35525	4.894	ug/L	94
9) Trichlorofluoromethane	2.15	101	83047	5.073	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	54885	5.165	ug/L	96
12) 1,1-Dichloroethene	2.59	96	46099	5.057	ug/L	95
13) Acetone	2.67	43	132519	50.467	ug/L	100
14) Carbon disulfide	2.81	76	112252	4.399	ug/L	97
15) Methyl Acetate	2.97	43	30203	5.037	ug/L	99
16) Methylene chloride	3.06	84	54273	4.637	ug/L	98
17) Methyl tert-butyl Ether	3.38	73	127455	4.945	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	45902	4.810	ug/L	98
19) 1,1-Dichloroethane	3.89	63	100047	5.070	ug/L	99
21) 2-Butanone	4.74	43	209710	51.225	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	52998	5.150	ug/L	93

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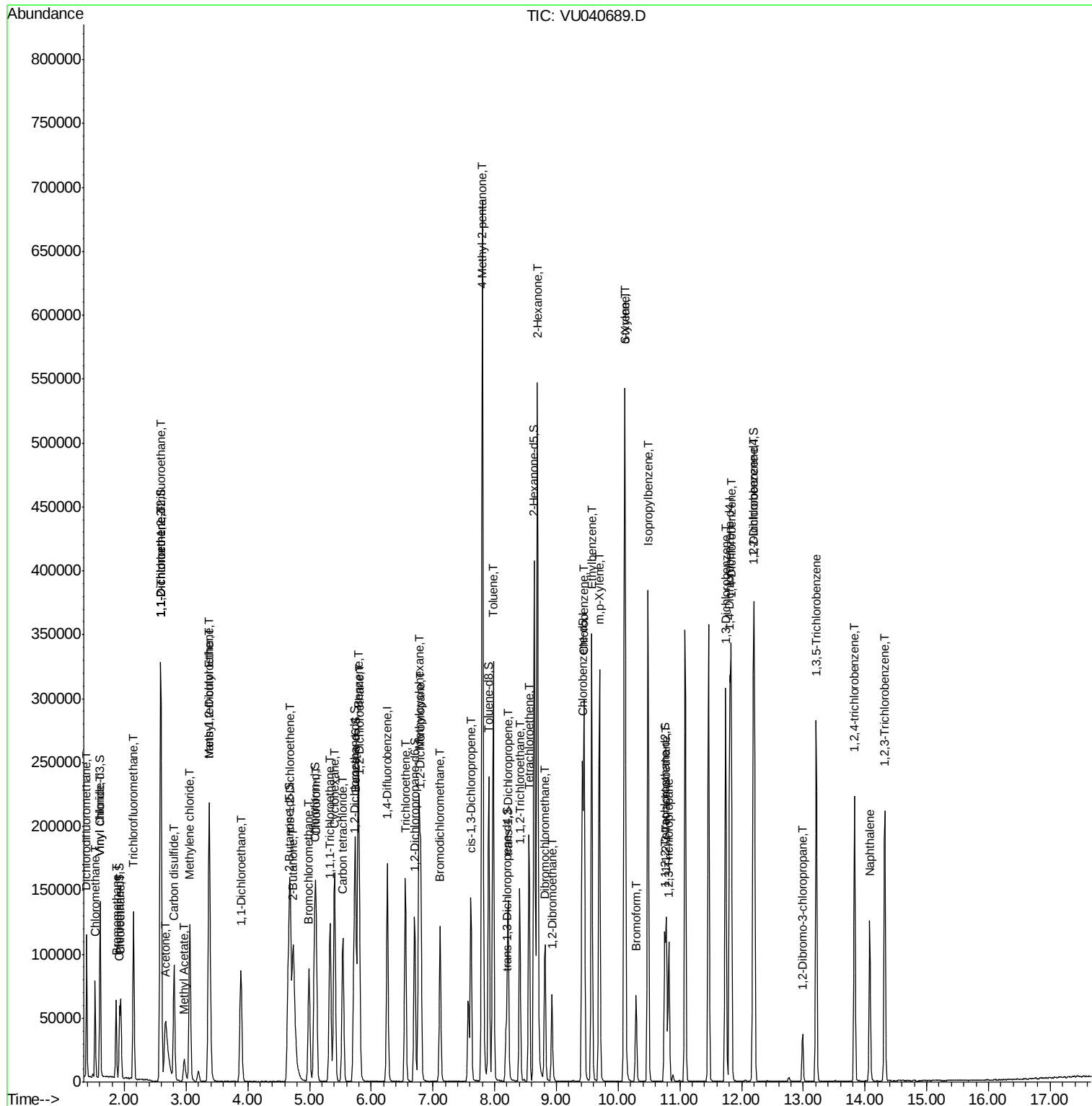
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	25711	5.029	ug/L	97
25) Chloroform	5.11	83	106428	5.282	ug/L	99
27) 1,2-Dichloroethane	5.81	62	73890	5.181	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	88141	5.092	ug/L	98
30) Cyclohexane	5.41	56	73389	4.601	ug/L	97
31) Carbon tetrachloride	5.54	117	76360	5.155	ug/L	98
33) Benzene	5.79	78	207982	5.026	ug/L	100
34) Trichloroethene	6.55	95	54255	5.058	ug/L	91
35) Methylcyclohexane	6.77	83	71400	4.694	ug/L	99
37) 1,2-Dichloropropane	6.80	63	59922	5.197	ug/L	100
38) Bromodichloromethane	7.12	83	78266	5.310	ug/L	96
39) cis-1,3-Dichloropropene	7.62	75	77586	4.925	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	477539	51.949	ug/L	99
42) Toluene	7.98	91	223762	5.306	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	75254	5.189	ug/L	95
45) 1,1,2-Trichloroethane	8.40	97	43963	5.091	ug/L	99
47) Tetrachloroethene	8.56	164	40067	5.235	ug/L	96
48) 2-Hexanone	8.69	43	366056	53.486	ug/L	99
49) Dibromochloromethane	8.82	129	52732	5.307	ug/L	98
50) 1,2-Dibromoethane	8.93	107	41499	5.066	ug/L	99
51) Chlorobenzene	9.45	112	142947	5.146	ug/L	97
52) Ethylbenzene	9.57	91	233978	5.127	ug/L	100
53) m,p-Xylene	9.70	106	89698	5.392	ug/L	97
54) o-Xylene	10.10	106	84664	5.293	ug/L	95
55) Styrene	10.11	104	155398	5.594	ug/L	99
56) Isopropylbenzene	10.48	105	227360	5.280	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	58404	5.151	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	43816	5.173	ug/L	96
61) Bromoform	10.29	173	29741	4.935	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	117709	5.116	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	119766	5.048	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	111280	4.947	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	9300	4.722	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	79020	4.840	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	61209	4.852	ug/L	98
69) Naphthalene	14.08	128	95113	4.609	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	60390	5.156	ug/L	99

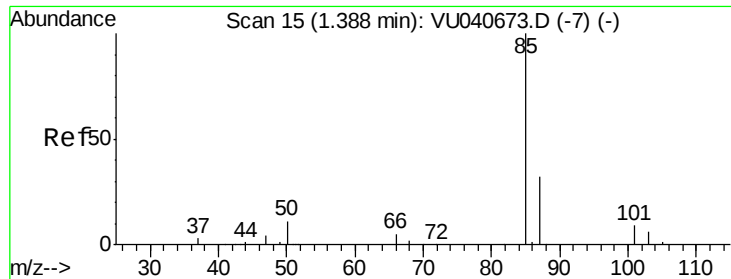
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#2

Dichlorodifluoromethane

Concen: 5.125 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

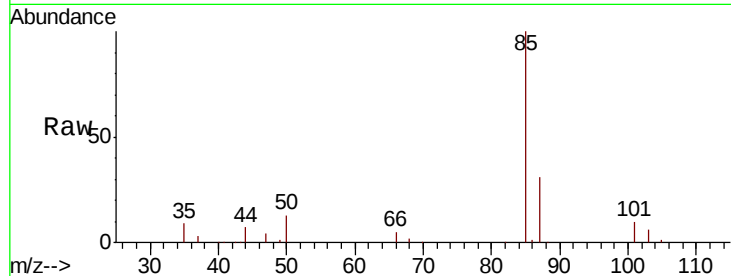
VSTD00508

Tot Ion: 85 Resp: 59329

Ion Ratio Lower Upper

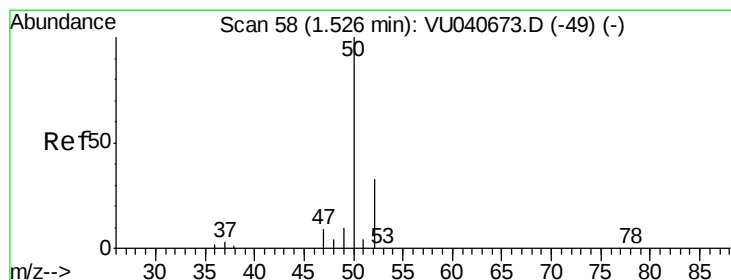
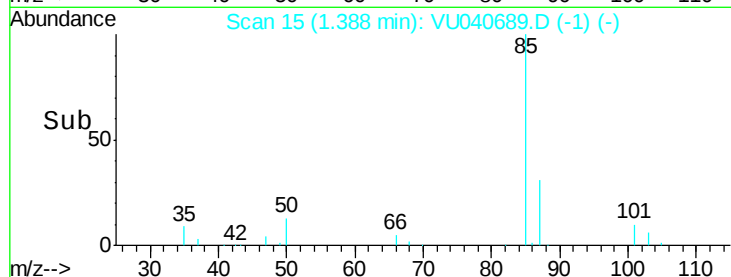
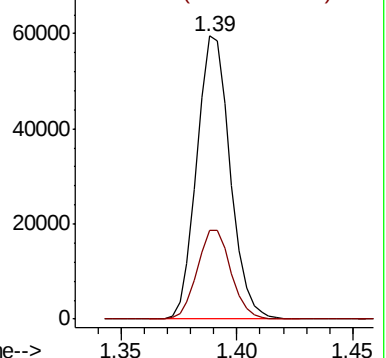
85 100

87 31.9 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.670 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040689.D

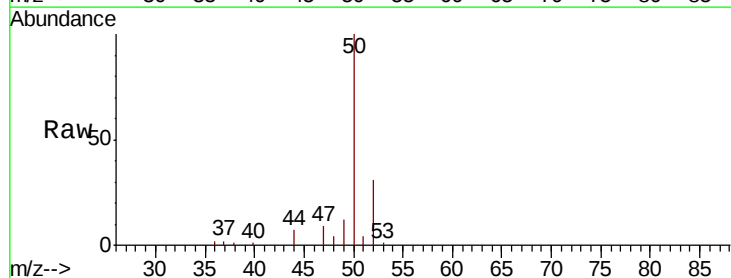
Acq: 13 Oct 2020 17:47

Tgt Ion: 50 Resp: 50557

Ion Ratio Lower Upper

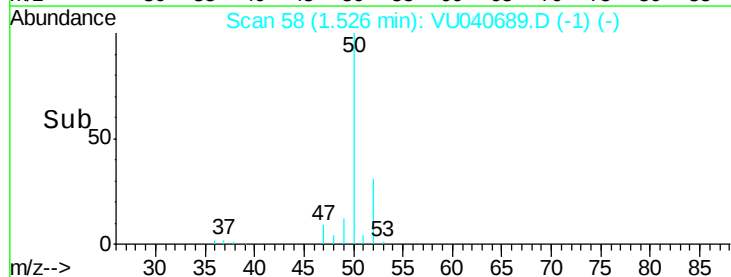
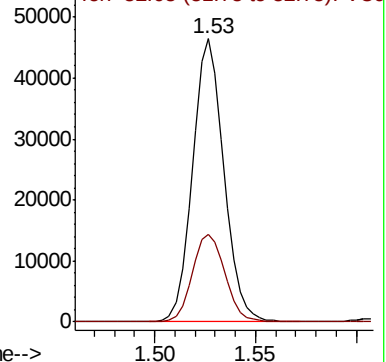
50 100

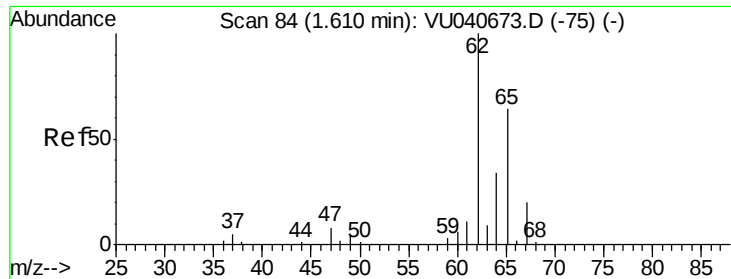
52 31.2 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.799 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

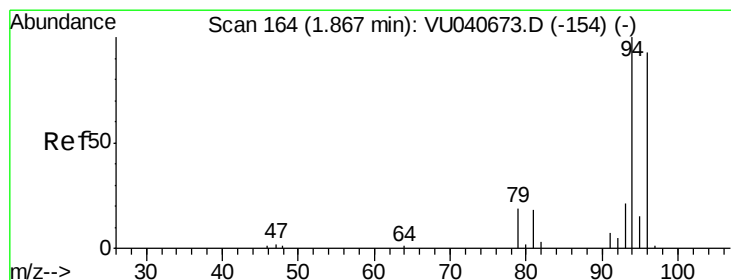
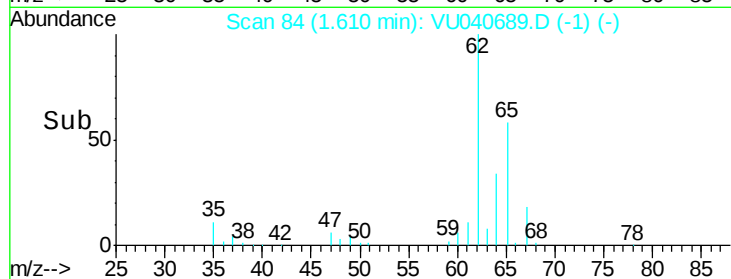
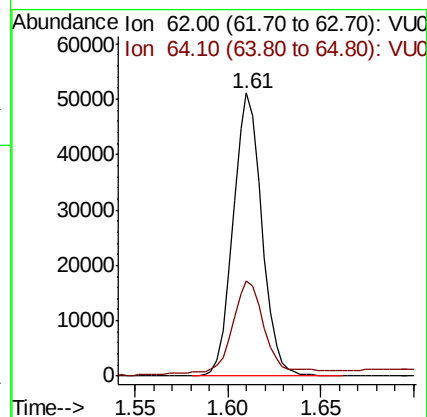
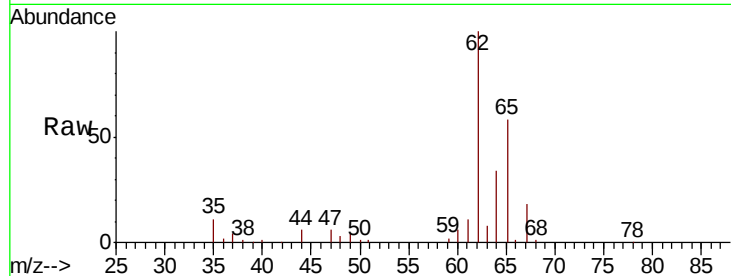
VSTD00508

Tot Ion: 62 Resp: 54709

Ion Ratio Lower Upper

62 100

64 33.5 23.7 44.1



#6

Bromomethane

Concen: 4.318 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040689.D

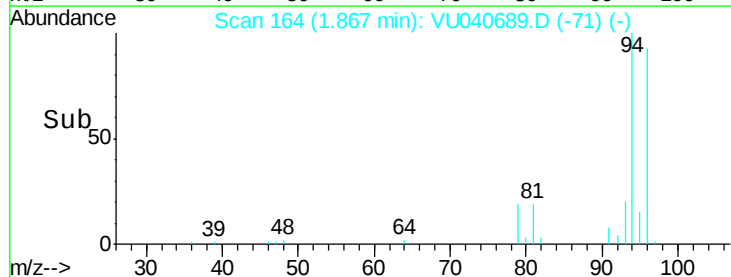
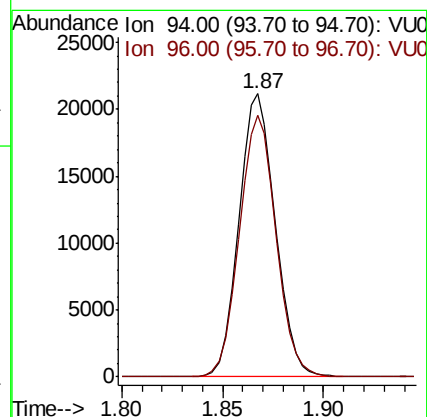
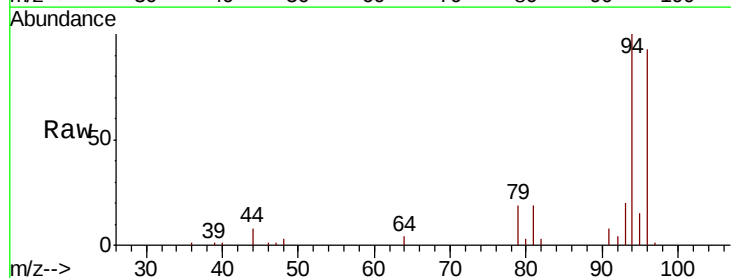
Acq: 13 Oct 2020 17:47

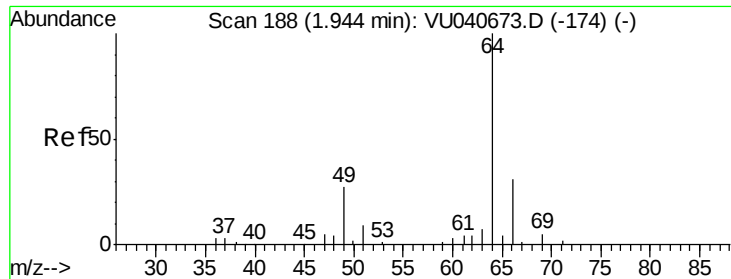
Tgt Ion: 94 Resp: 26732

Ion Ratio Lower Upper

94 100

96 92.5 62.1 115.3

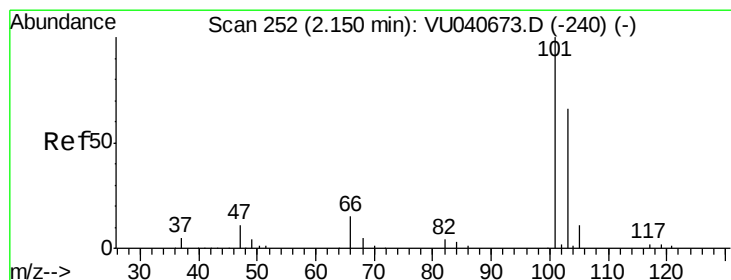
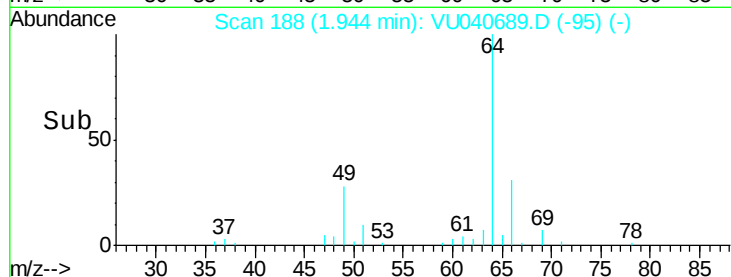
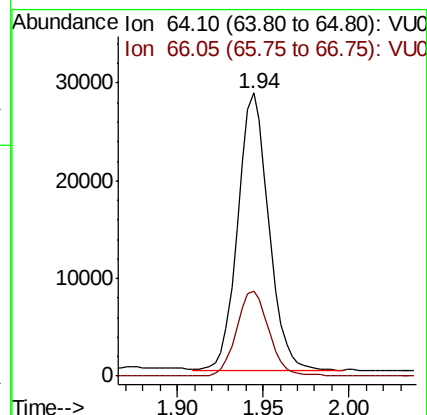
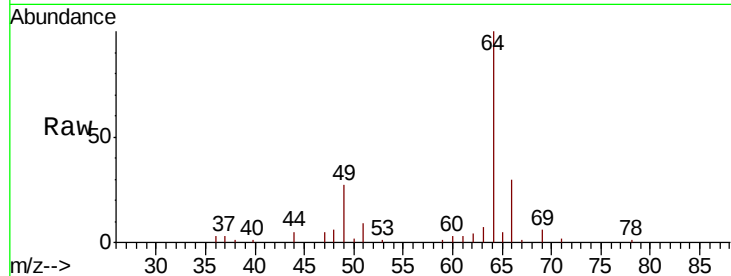




#8
Chloroethane
Concen: 4.894 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040689.D
Acq: 13 Oct 2020 17:47

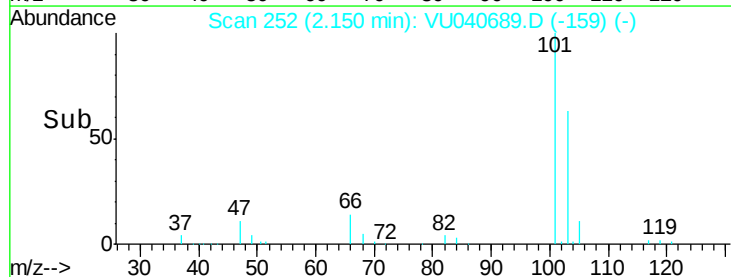
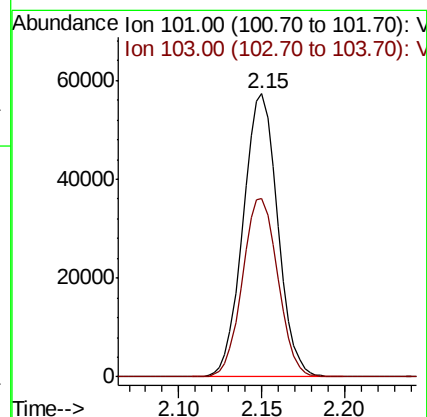
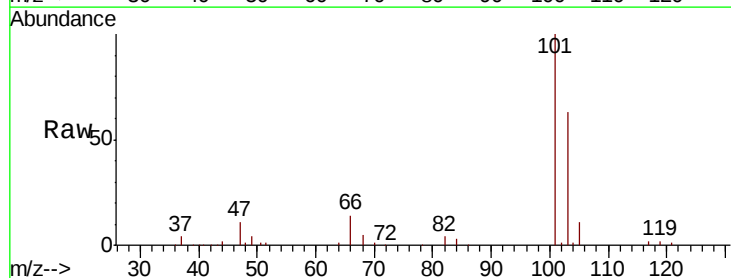
Instrument :
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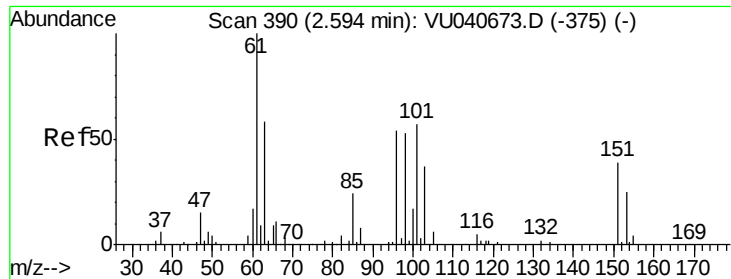
Tot Ion: 64 Resp: 35525
Ion Ratio Lower Upper
64 100
66 30.1 23.3 43.3



#9
Trichlorofluoromethane
Concen: 5.073 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040689.D
Acq: 13 Oct 2020 17:47

Tgt Ion: 101 Resp: 83047
Ion Ratio Lower Upper
101 100
103 64.6 52.2 78.4





#10

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

Concen: 5.165 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

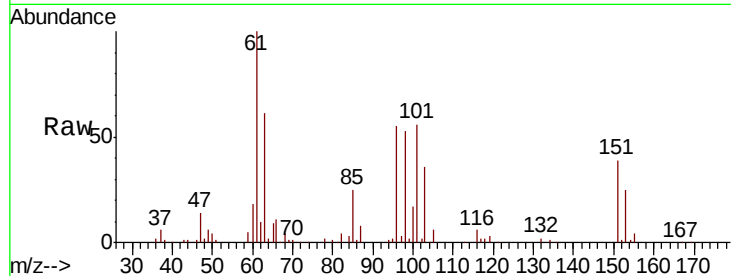
Tot Ion:101 Resp: 54885

Ion Ratio Lower Upper

101 100

85 43.3 36.7 55.1

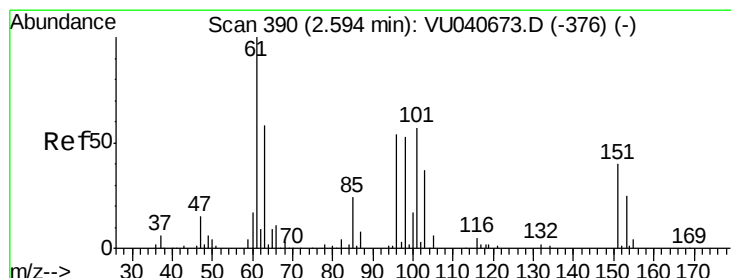
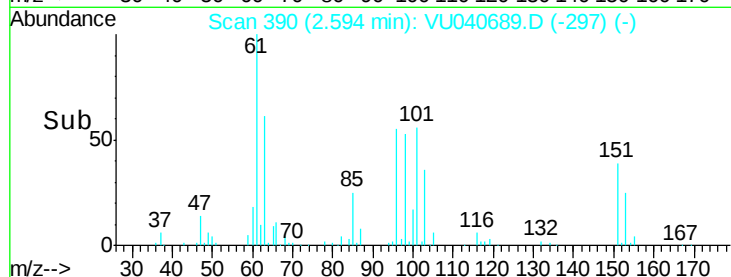
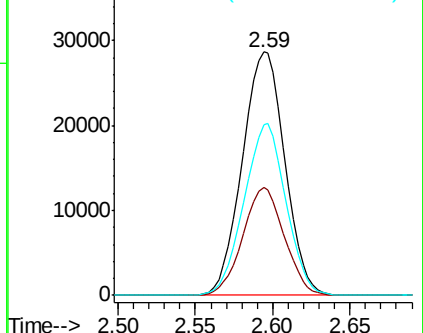
151 69.3 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.057 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

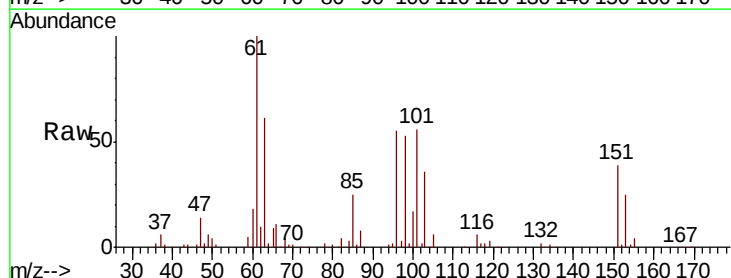
Tgt Ion: 96 Resp: 46099

Ion Ratio Lower Upper

96 100

61 181.9 128.8 239.2

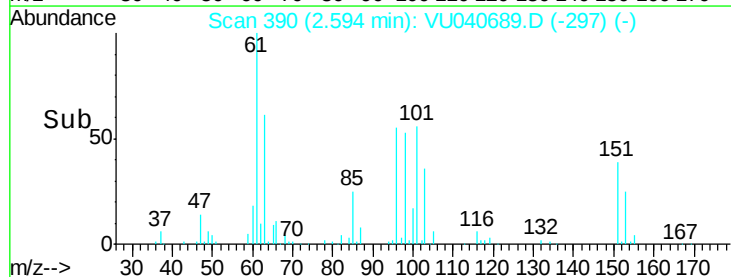
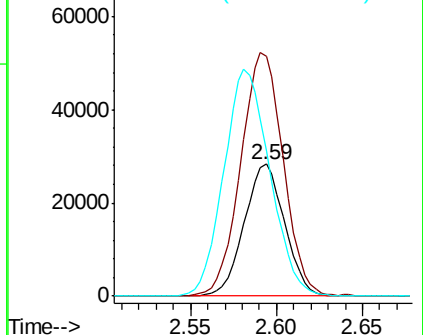
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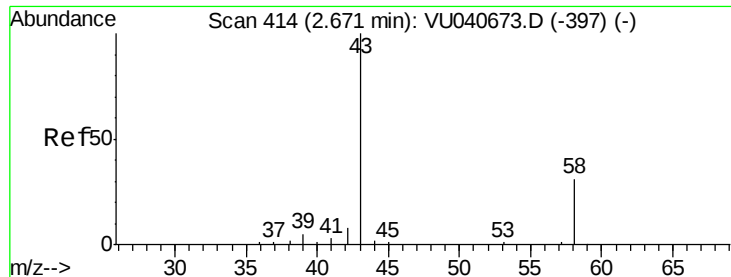


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.467 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU040689.D

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ClientSampleId :

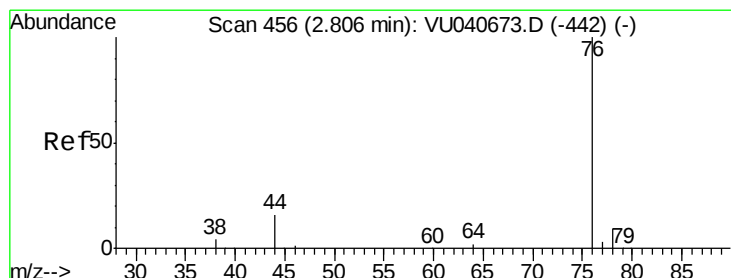
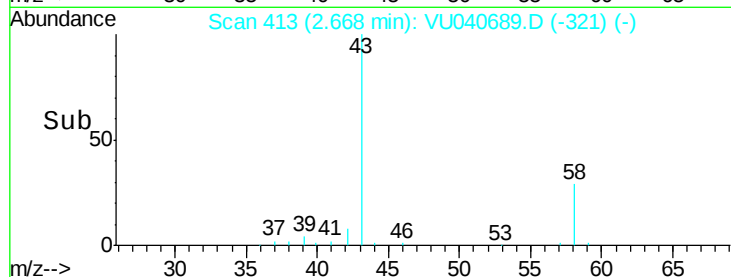
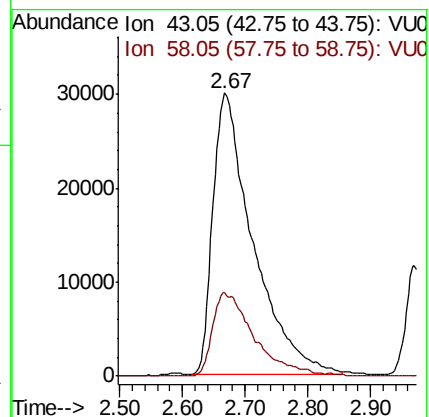
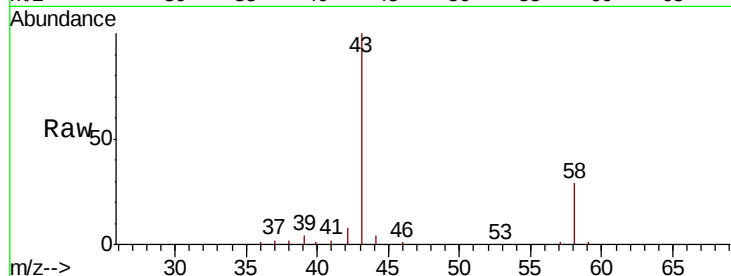
VSTD00508

Tot Ion: 43 Resp: 132519

Ion Ratio Lower Upper

43 100

58 30.1 0.0 60.6



#14

Carbon disulfide

Concen: 4.399 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040689.D

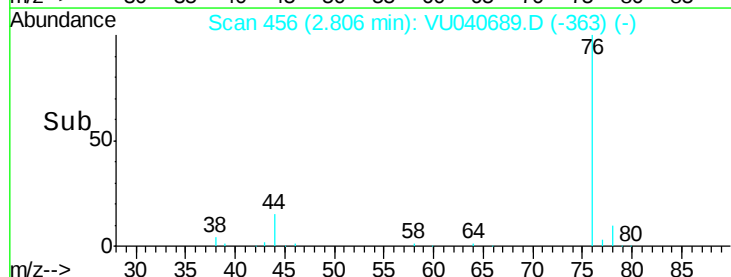
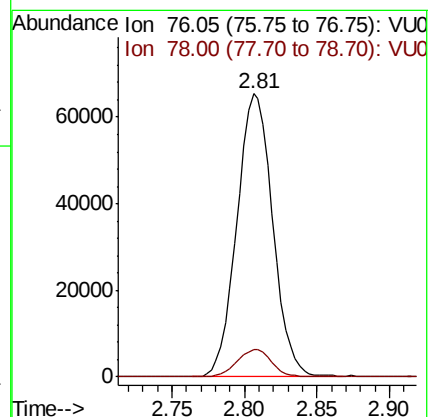
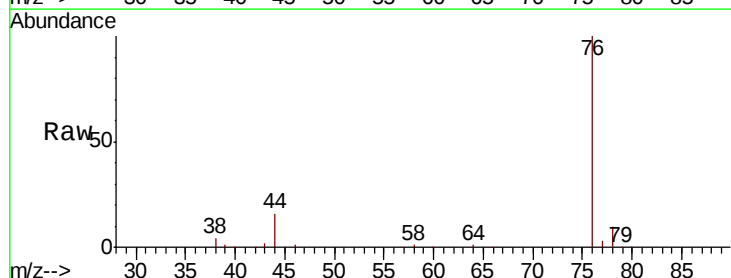
Acq: 13 Oct 2020 17:47

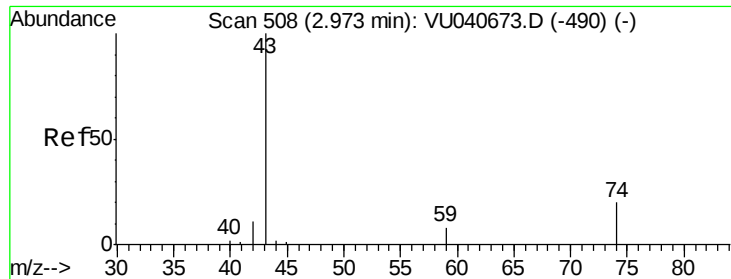
Tgt Ion: 76 Resp: 112252

Ion Ratio Lower Upper

76 100

78 9.7 6.8 10.2

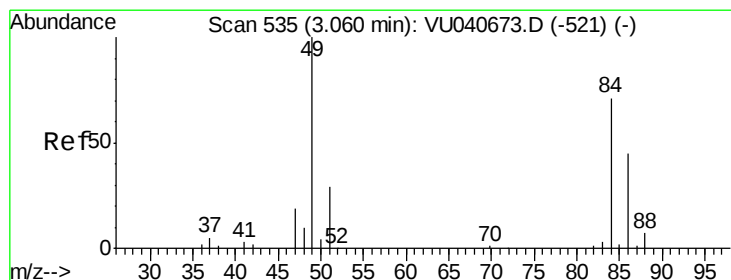
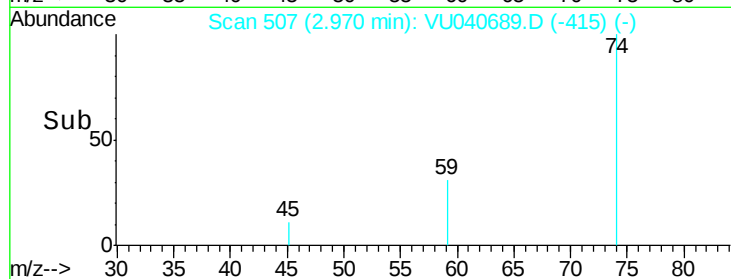
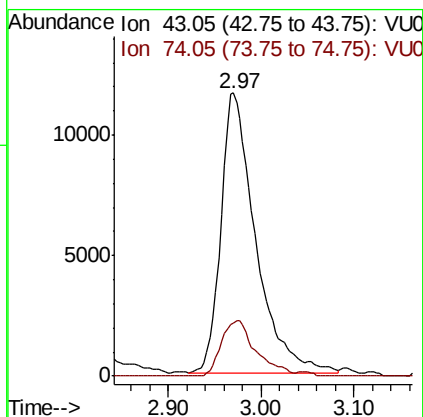
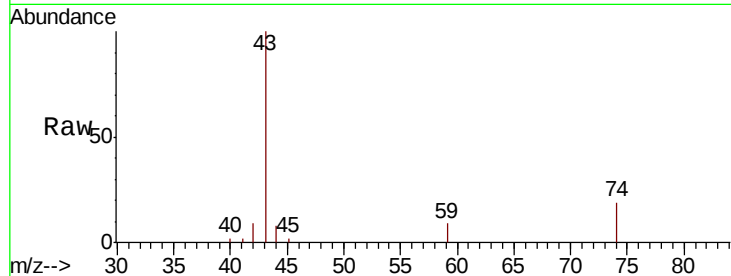




#15
Methvl Acetate
Concen: 5.037 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU040689.D
Acq: 13 Oct 2020 17:47

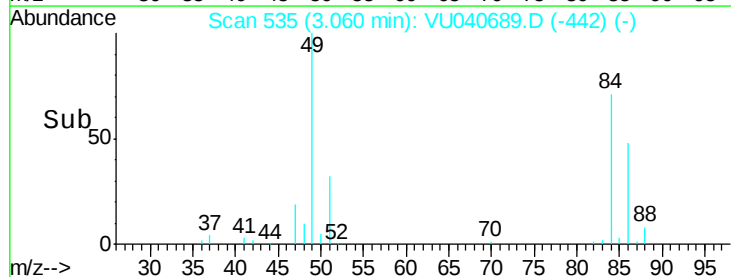
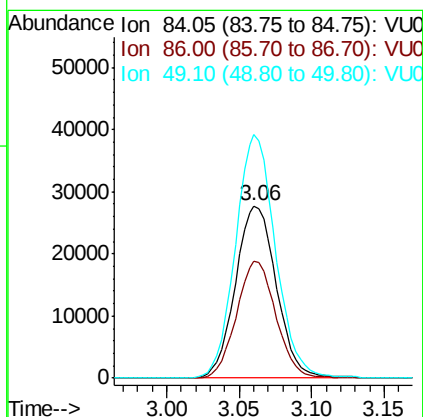
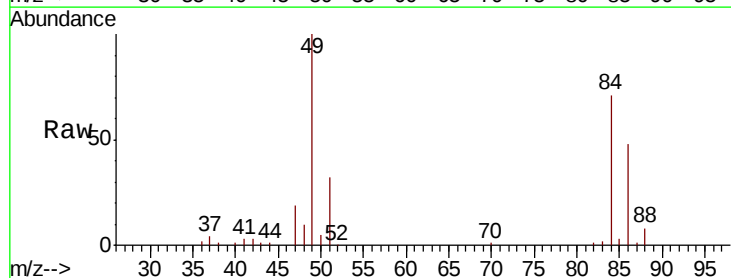
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

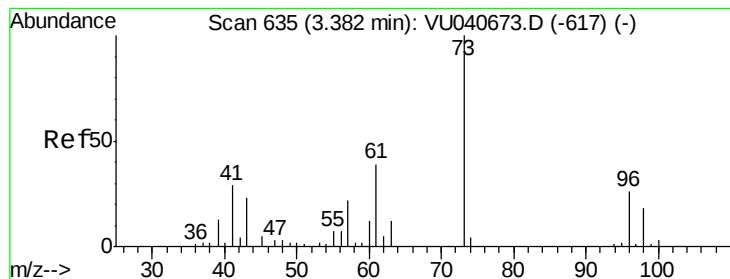
Tot Ion: 43 Resp: 30203
Ion Ratio Lower Upper
43 100
74 20.0 16.5 24.7



#16
Methylene chloride
Concen: 4.637 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040689.D
Acq: 13 Oct 2020 17:47

Tgt Ion: 84 Resp: 54273
Ion Ratio Lower Upper
84 100
86 68.0 45.4 84.4
49 141.5 99.8 185.3



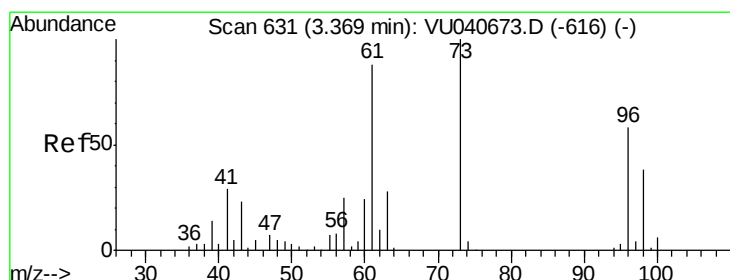
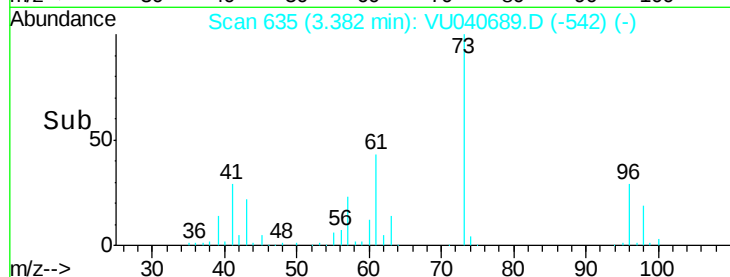
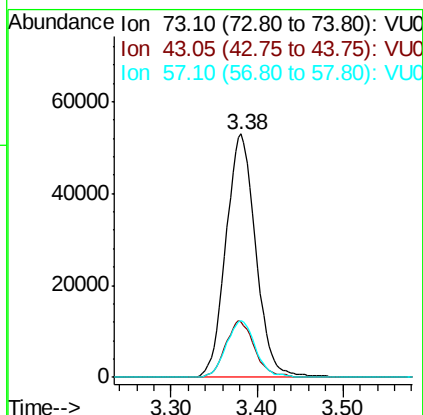
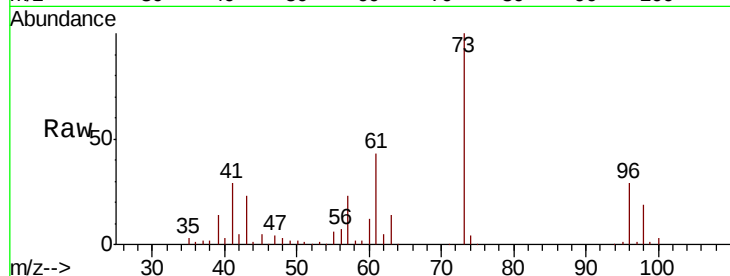


#17

Methvl tert-butvl Ether
 Concen: 4.945 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU040689.D
 Acq: 13 Oct 2020 17:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

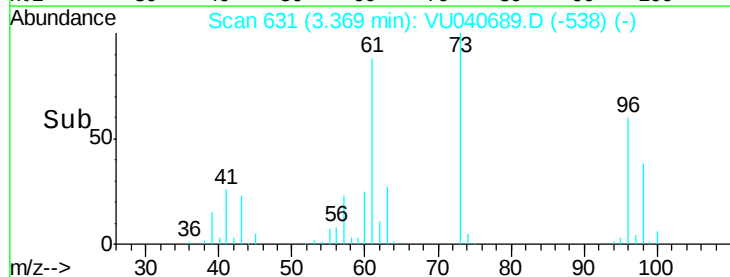
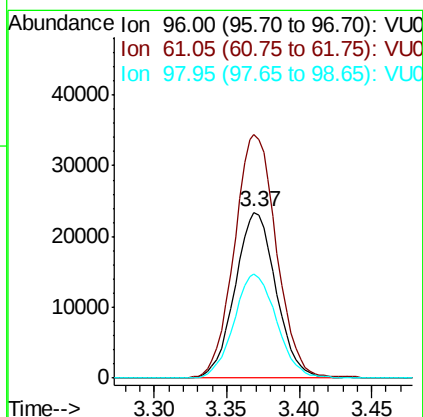
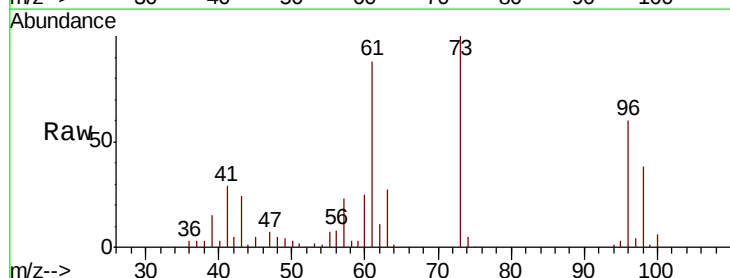
Tot Ion: 73 Resp: 127455
 Ion Ratio Lower Upper
 73 100
 43 22.6 18.2 27.4
 57 22.9 18.6 28.0

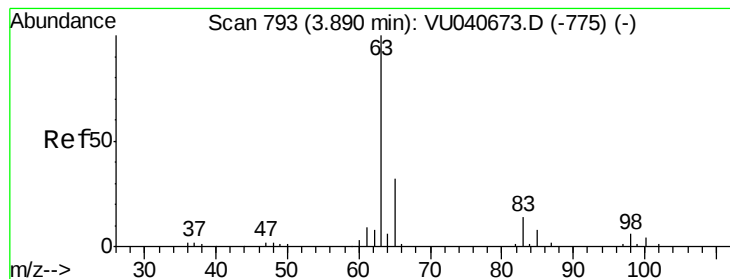


#18

trans-1,2-Dichloroethene
 Concen: 4.810 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU040689.D
 Acq: 13 Oct 2020 17:47

Tgt Ion: 96 Resp: 45902
 Ion Ratio Lower Upper
 96 100
 61 147.1 105.9 196.7
 98 62.8 43.8 81.3





#19

1,1-Dichloroethane

Concen: 5.070 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

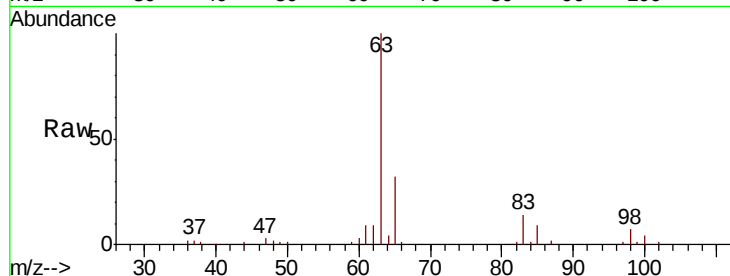
Tot Ion: 63 Resp: 100047

Ion Ratio Lower Upper

63 100

65 31.9 21.9 40.7

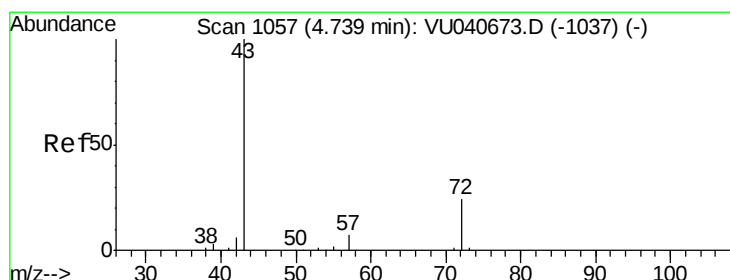
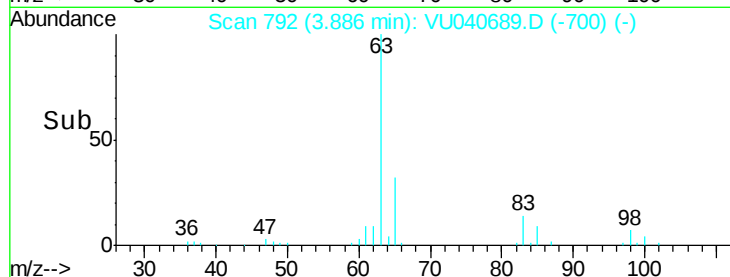
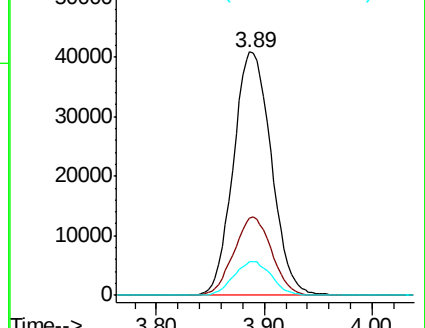
83 13.6 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU040673.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU040673.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU040673.D (-775) (-)



#21

2-Butanone

Concen: 51.225 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU040689.D

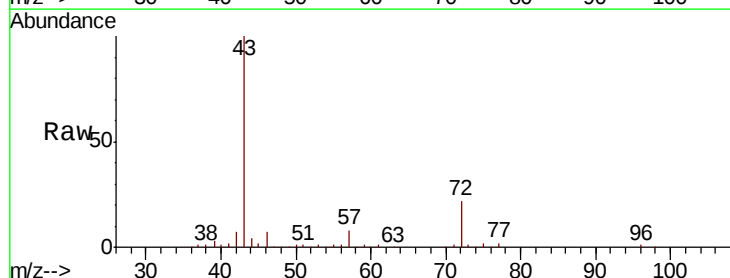
Acq: 13 Oct 2020 17:47

Tgt Ion: 43 Resp: 209710

Ion Ratio Lower Upper

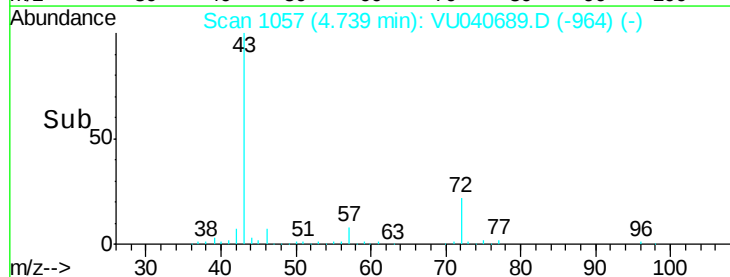
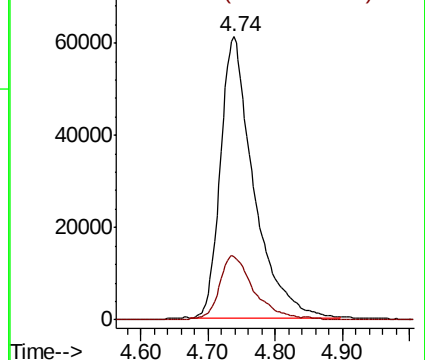
43 100

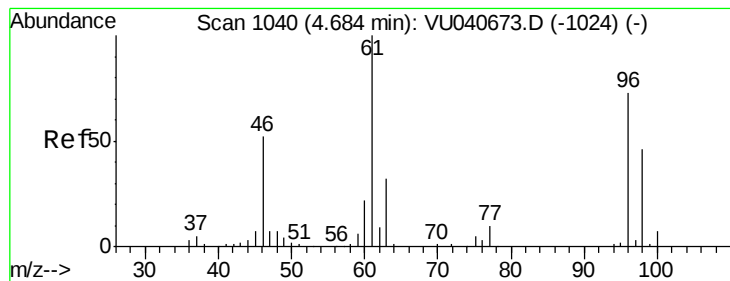
72 23.7 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU040673.D (-1037) (-)

Ion 72.10 (71.80 to 72.80): VU040673.D (-1037) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.150 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

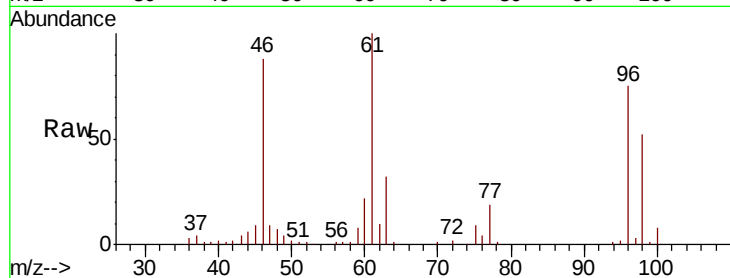
Tot Ion: 96 Resp: 52998

Ion Ratio Lower Upper

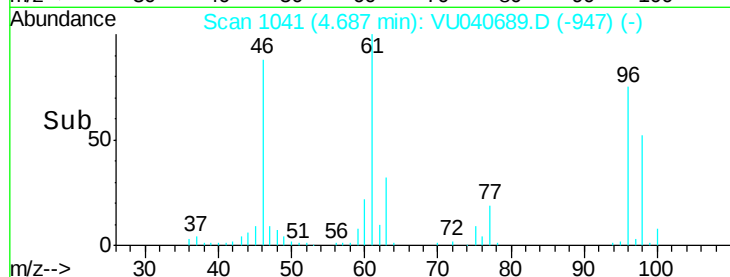
96 100

61 134.1 99.8 185.4

68 0.0 0.0 0.0



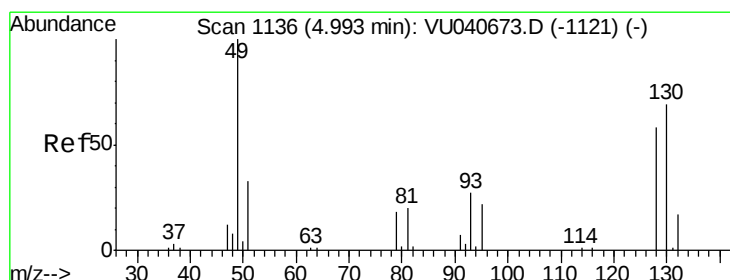
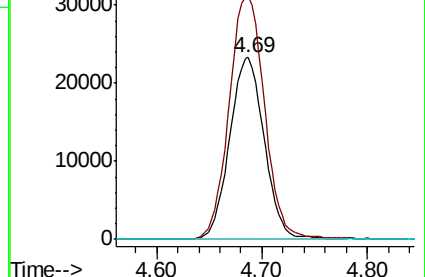
Abundance Ion 96.00 (95.70 to 96.70): VU040689.D (-947) (-)



Ion 61.05 (60.75 to 61.75): VU040689.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040689.D (-947) (-)

Time-->



#23

Bromochloromethane

Concen: 5.029 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

Tgt Ion: 128 Resp: 25711

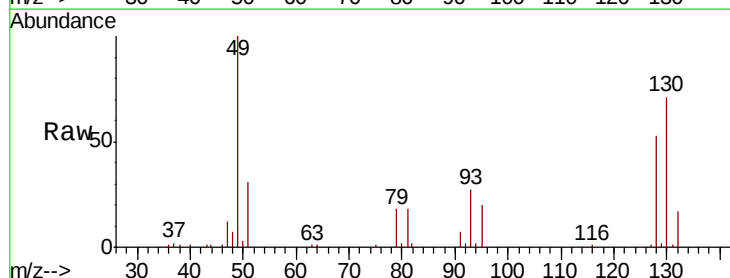
Ion Ratio Lower Upper

128 100

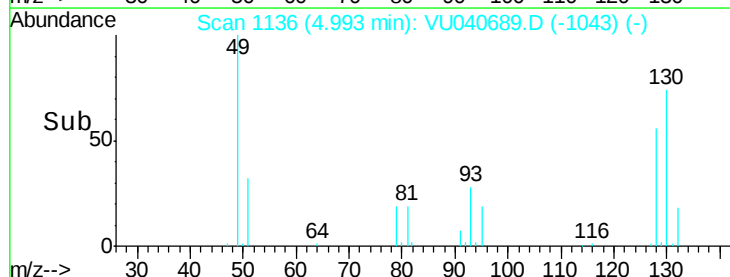
49 187.0 132.2 245.4

130 132.8 89.2 165.8

51 58.5 45.3 67.9



Abundance Ion 127.90 (127.60 to 128.60): VU040689.D (-1043) (-)

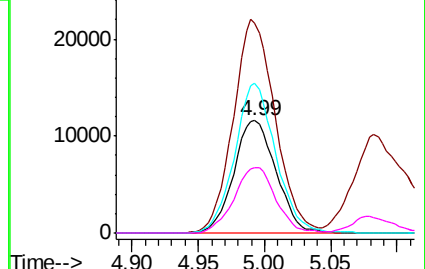


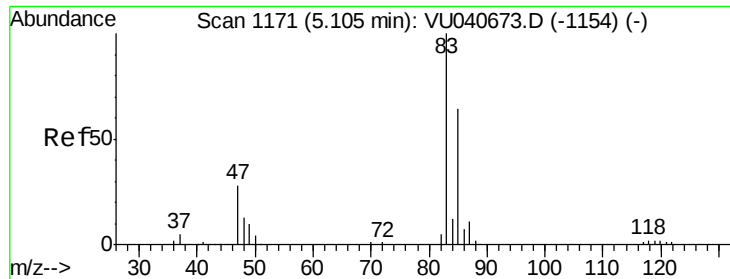
Ion 49.10 (48.80 to 49.80): VU040689.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU040689.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU040689.D (-1043) (-)

Time-->

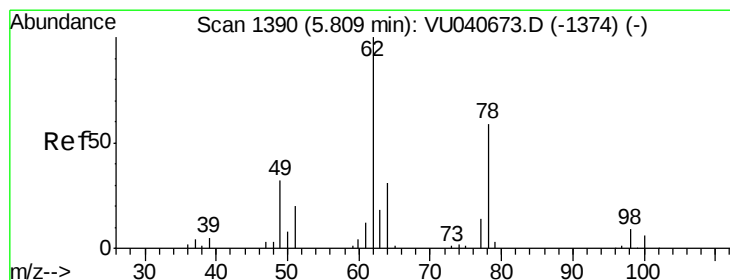
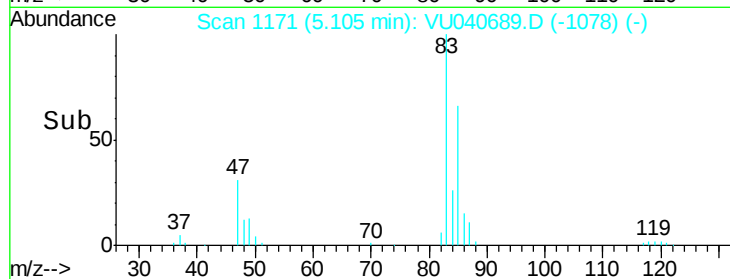
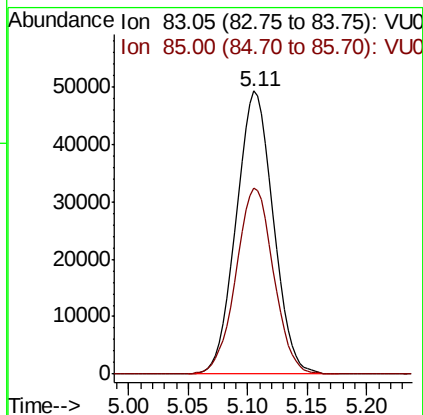
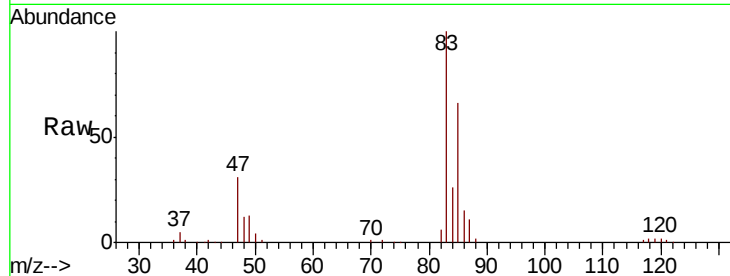




#25
Chloroform
Concen: 5.282 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040689.D
Acq: 13 Oct 2020 17:47

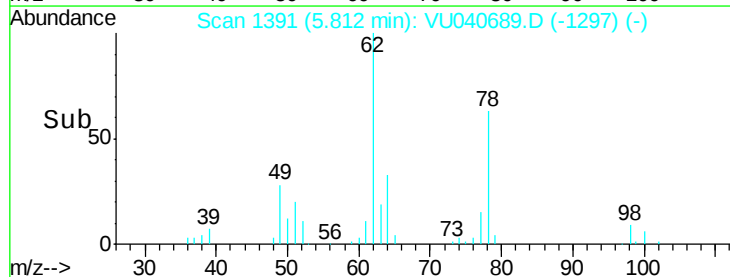
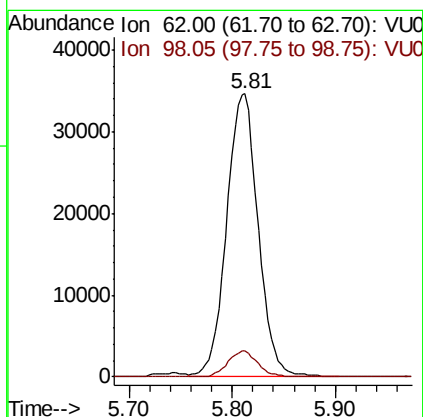
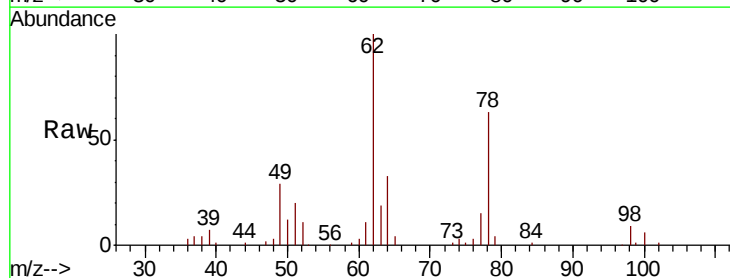
Instrument :
MSVOA_U
ClientSampled :
VSTD00508

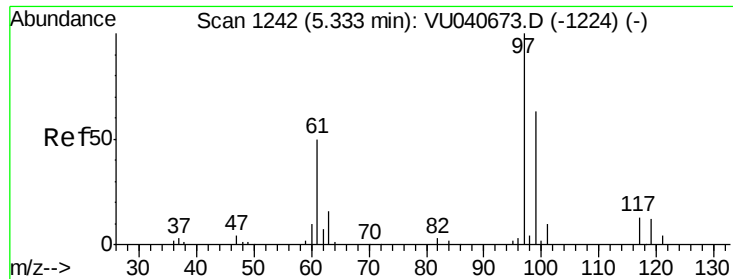
Tot Ion: 83 Resp: 106428
Ion Ratio Lower Upper
83 100
85 65.5 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.181 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040689.D
Acq: 13 Oct 2020 17:47

Tgt Ion: 62 Resp: 73890
Ion Ratio Lower Upper
62 100
98 9.1 6.6 10.0

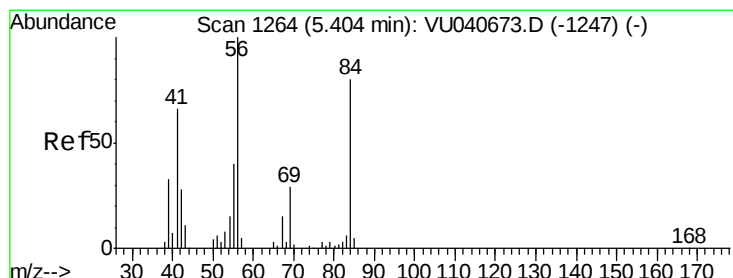
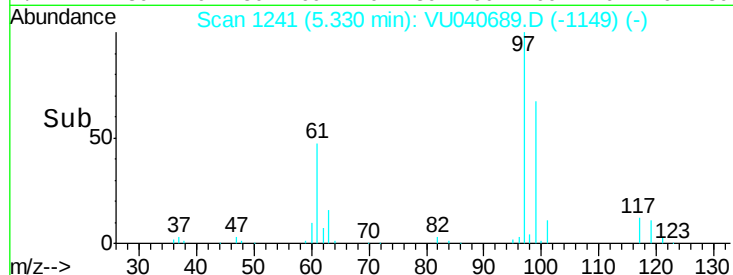
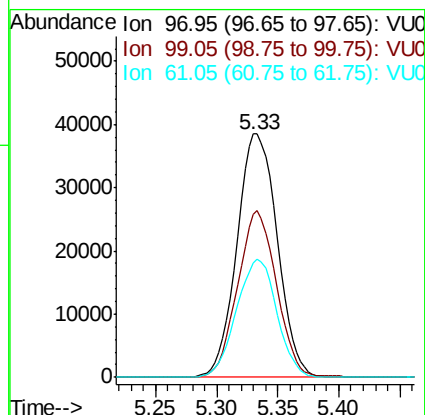
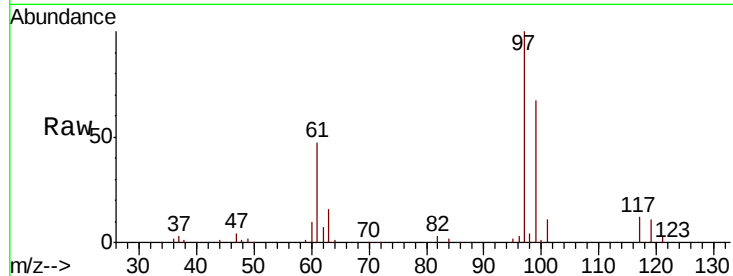




#29
1,1,1-Trichloroethane
Concen: 5.092 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU040689.D
Acq: 13 Oct 2020 17:47

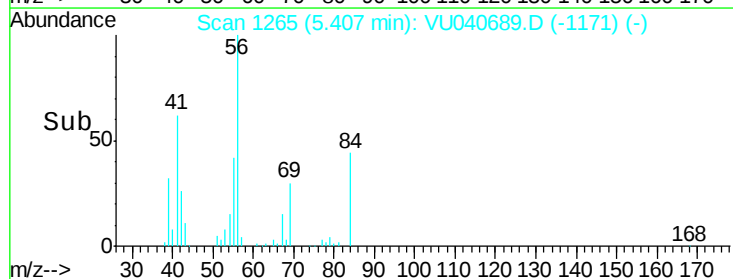
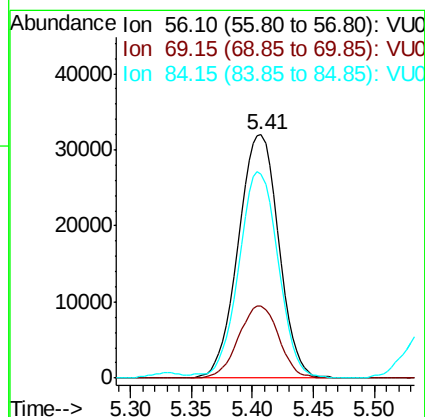
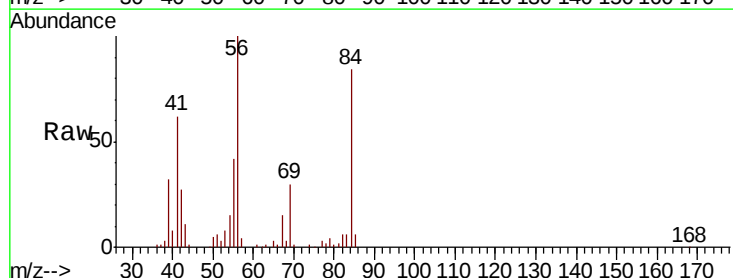
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

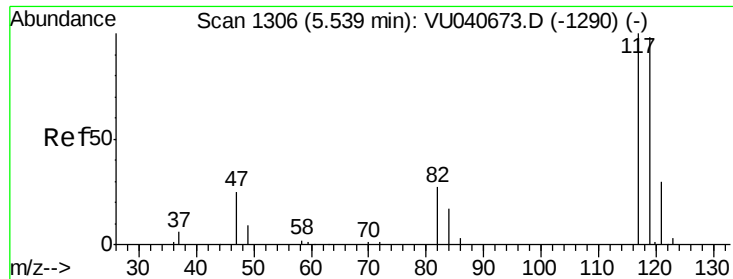
Tot Ion: 97 Resp: 88141
Ion Ratio Lower Upper
97 100
99 65.8 51.3 76.9
61 48.5 39.4 59.2



#30
Cyclohexane
Concen: 4.601 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040689.D
Acq: 13 Oct 2020 17:47

Tgt Ion: 56 Resp: 73389
Ion Ratio Lower Upper
56 100
69 29.5 23.8 35.8
84 82.9 64.0 96.0

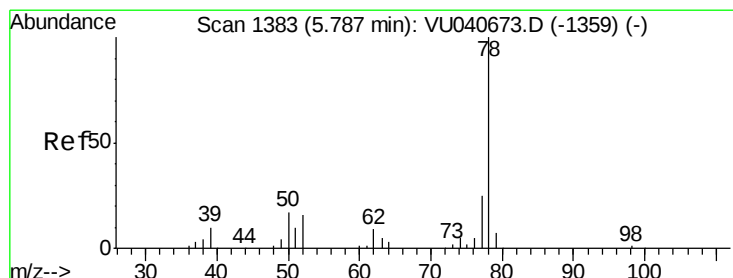
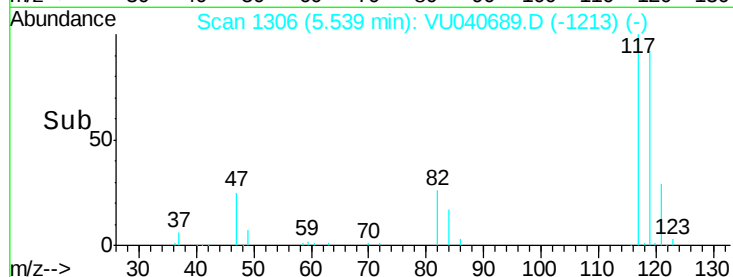
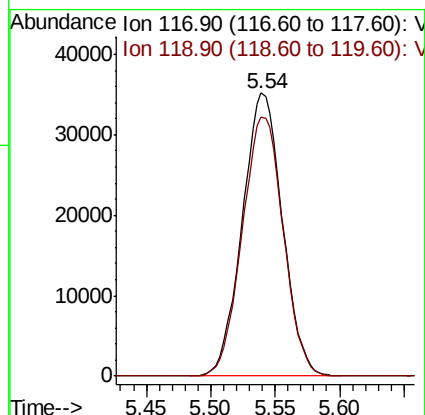
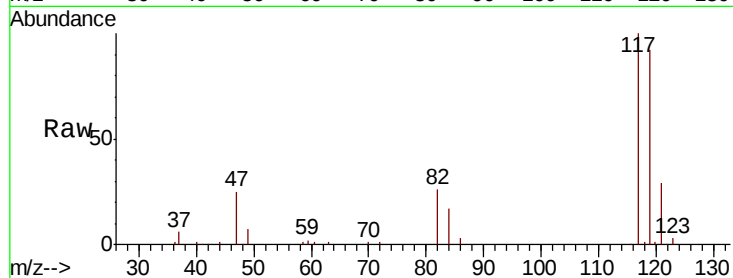




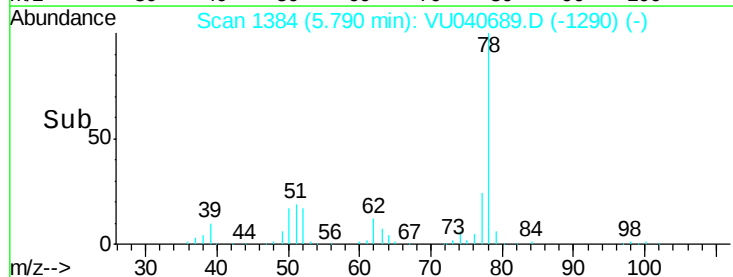
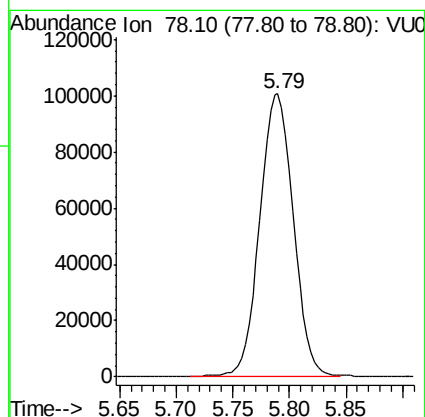
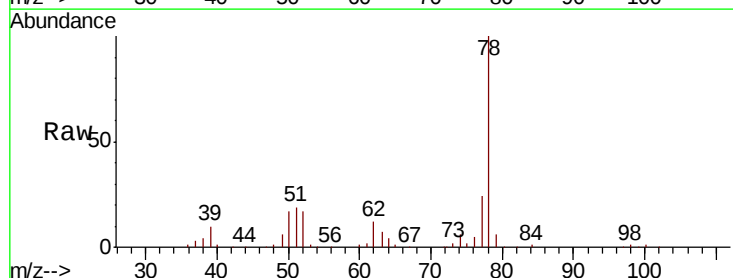
#31
Carbon tetrachloride
Concen: 5.155 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU040689.D
Acq: 13 Oct 2020 17:47

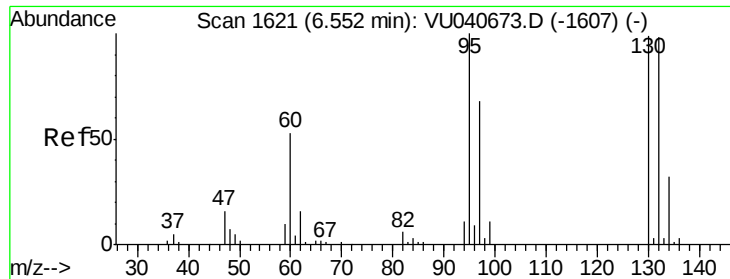
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion:117 Resp: 76360
Ion Ratio Lower Upper
117 100
119 93.7 76.2 114.2



#33
Benzene
Concen: 5.026 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040689.D
Acq: 13 Oct 2020 17:47
Tgt Ion: 78 Resp: 207982

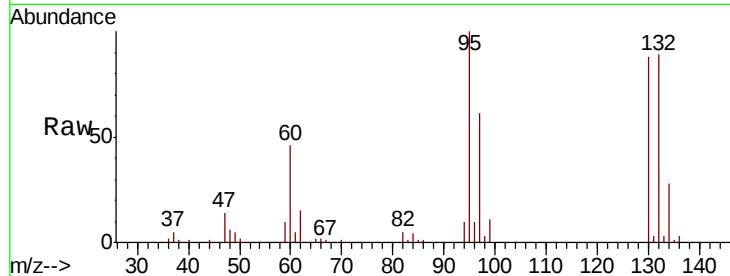




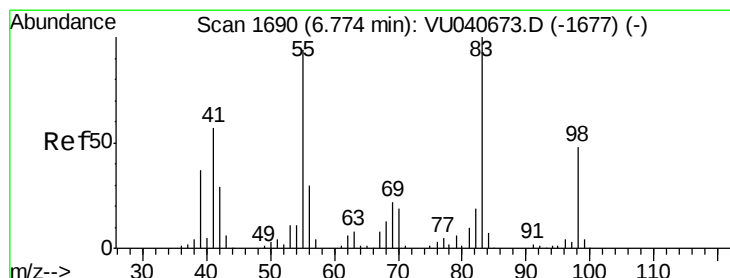
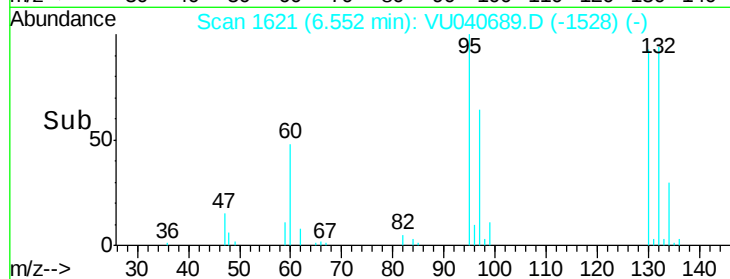
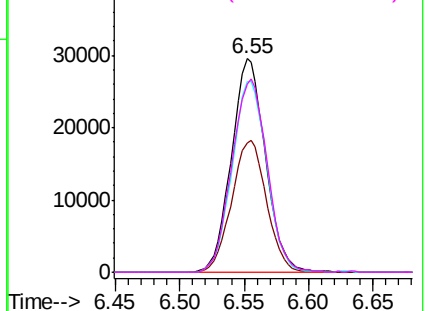
#34
 Trichloroethene
 Concen: 5.058 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040689.D
 Acq: 13 Oct 2020 17:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion: 95 Resp: 54255
 Ion Ratio Lower Upper
 95 100
 97 60.5 45.5 84.5
 132 89.4 67.5 125.4
 130 87.9 69.9 129.9

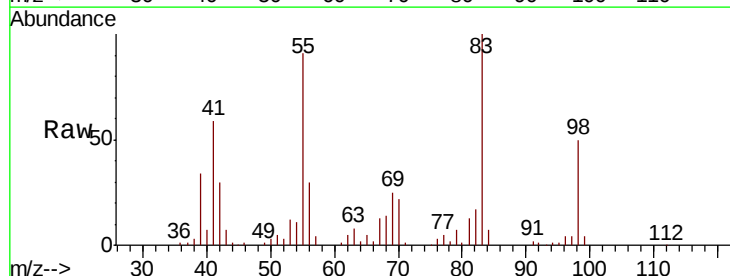


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

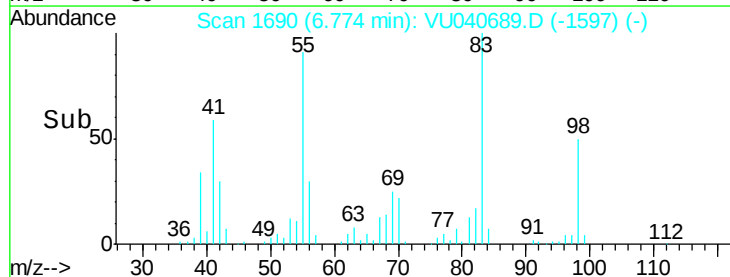
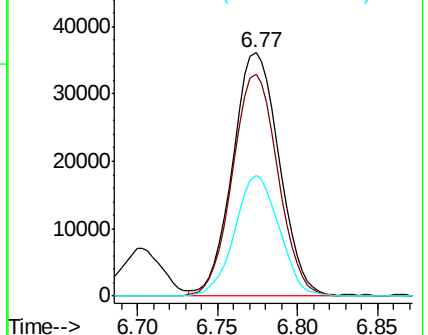


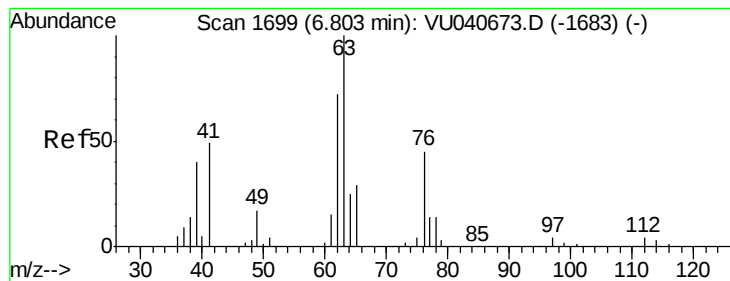
#35
 Methylcyclohexane
 Concen: 4.694 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040689.D
 Acq: 13 Oct 2020 17:47

Tgt Ion: 83 Resp: 71400
 Ion Ratio Lower Upper
 83 100
 55 89.5 70.7 106.1
 98 47.5 38.4 57.6



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: 5.197 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

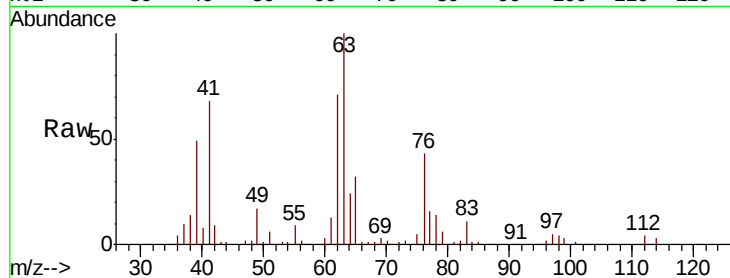
VSTD00508

Tot Ion: 63 Resp: 59922

Ion Ratio Lower Upper

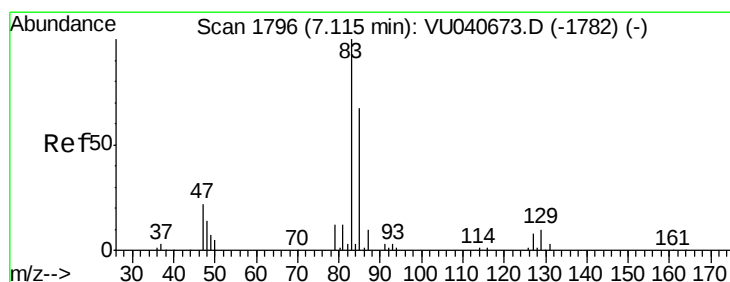
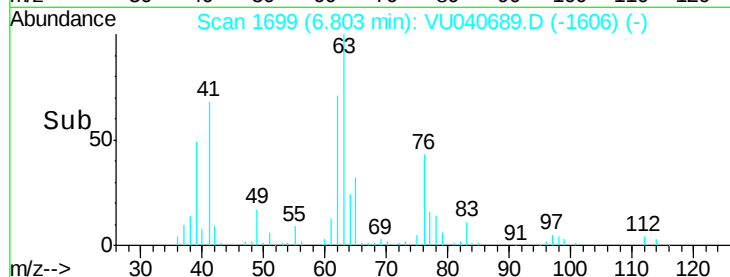
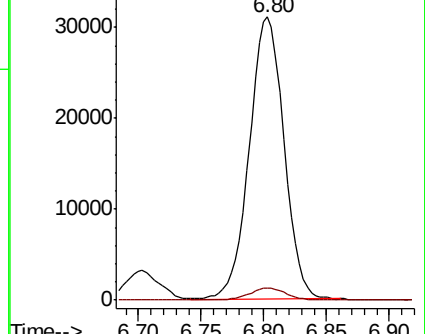
63 100

112 4.4 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU040689.D (-1606) (-)

Ion 112.10 (111.80 to 112.80): VU040689.D (-1606) (-)



#38

Bromodichloromethane

Concen: 5.310 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

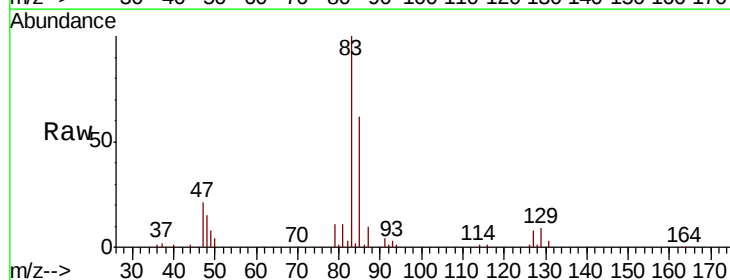
Tgt Ion: 83 Resp: 78266

Ion Ratio Lower Upper

83 100

85 62.1 46.0 85.4

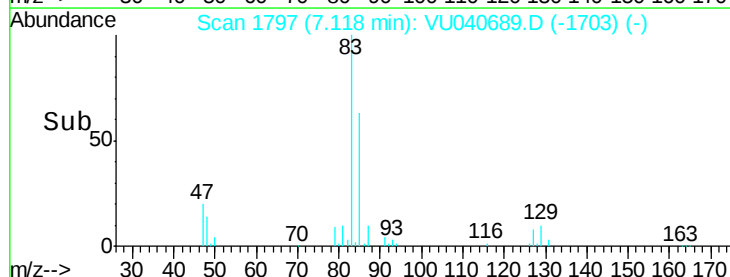
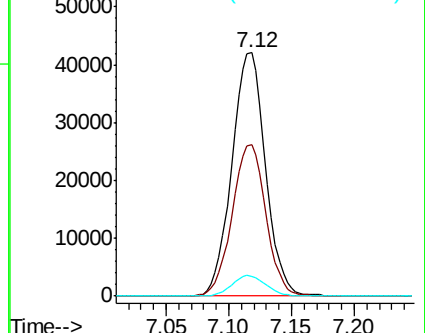
127 8.1 6.7 10.1

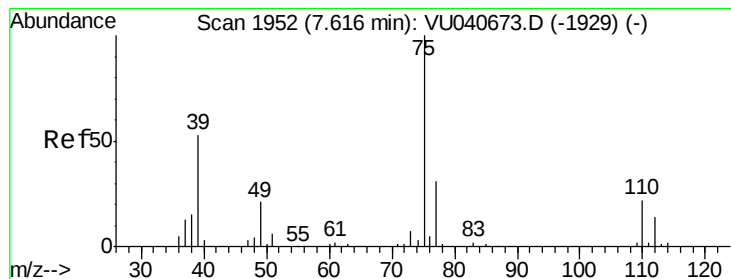


Abundance Ion 82.95 (82.65 to 83.65): VU040689.D (-1703) (-)

Ion 85.00 (84.70 to 85.70): VU040689.D (-1703) (-)

Ion 126.90 (126.60 to 127.60): VU040689.D (-1703) (-)



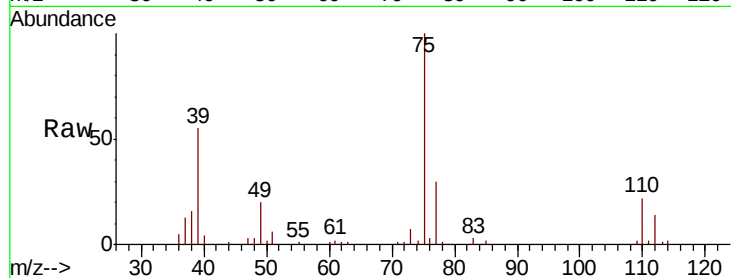


#39

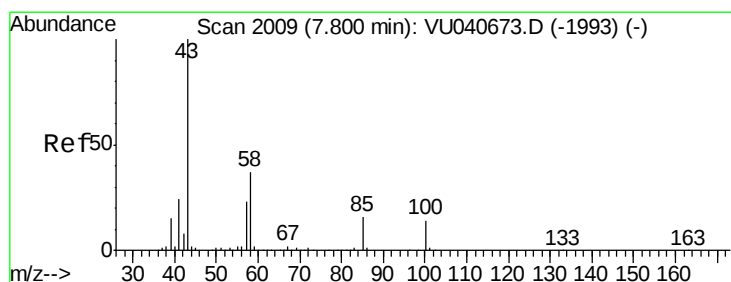
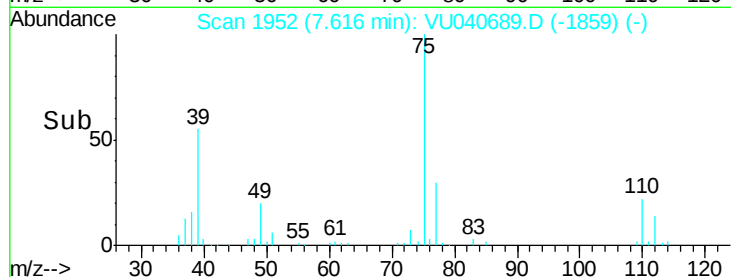
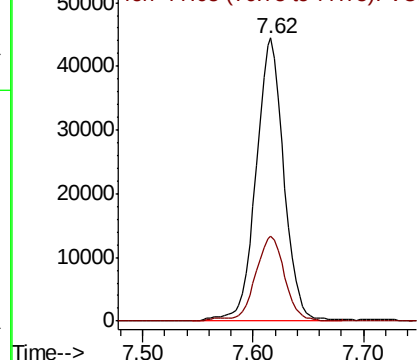
cis-1,3-Dichloropropene
Concen: 4.925 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VU040689.D
Acq: 13 Oct 2020 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion: 75 Resp: 77586
Ion Ratio Lower Upper
75 100
77 30.1 20.5 38.1



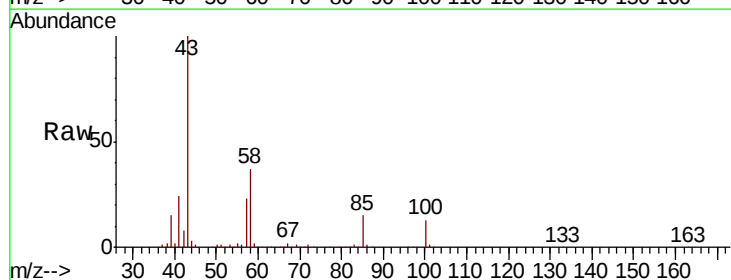
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



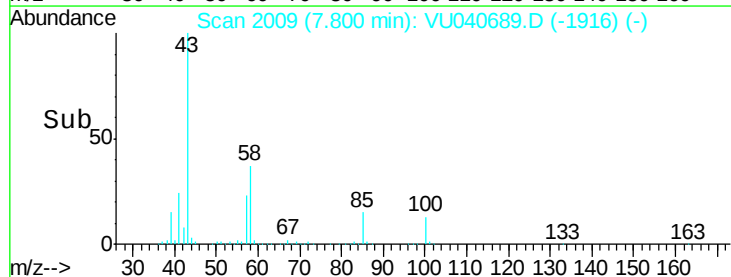
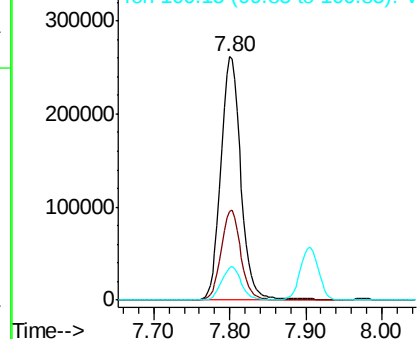
#40

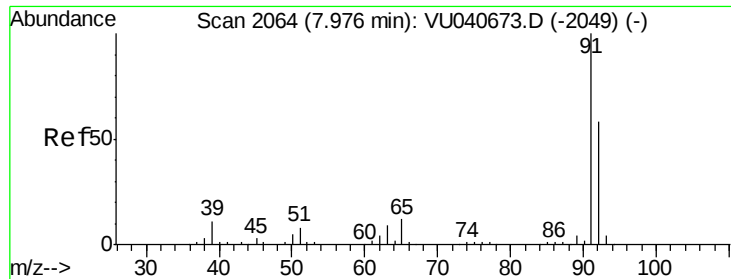
4-Methyl-2-pentanone
Concen: 51.949 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU040689.D
Acq: 13 Oct 2020 17:47

Tgt Ion: 43 Resp: 477539
Ion Ratio Lower Upper
43 100
58 36.0 29.7 44.5
100 13.4 10.7 16.1



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: 5.306 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

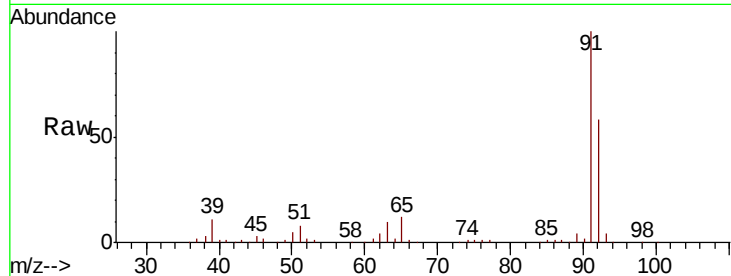
VSTD00508

Tot Ion: 91 Resp: 223762

Ion Ratio Lower Upper

91 100

92 57.8 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

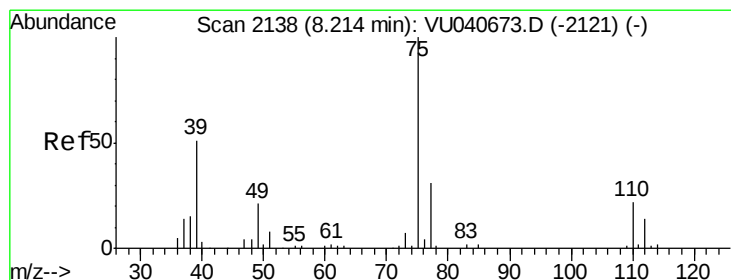
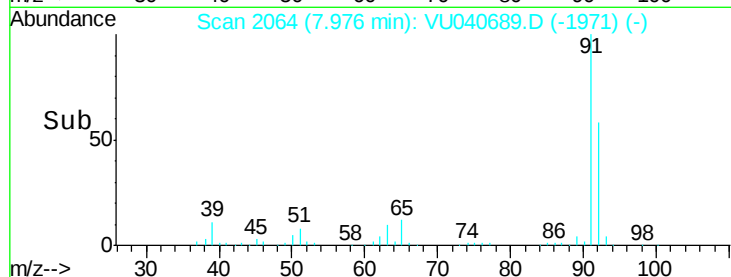
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.189 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040689.D

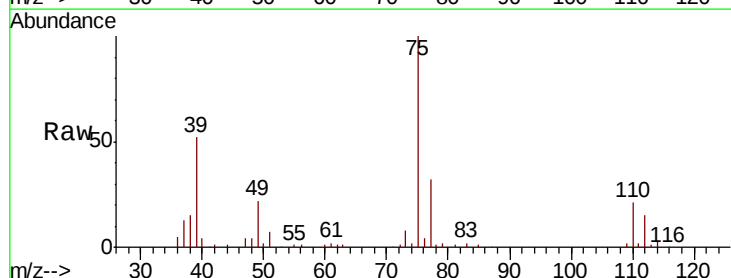
Acq: 13 Oct 2020 17:47

Tgt Ion: 75 Resp: 75254

Ion Ratio Lower Upper

75 100

77 32.1 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

50000

40000

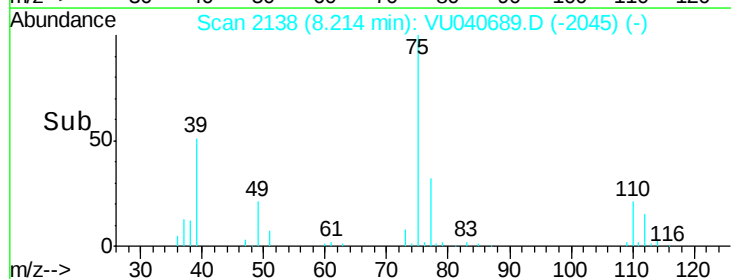
30000

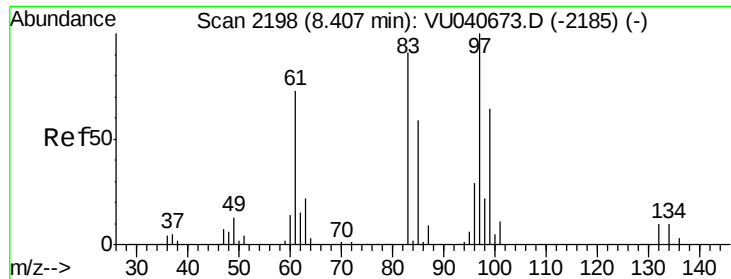
20000

10000

0

Time-->

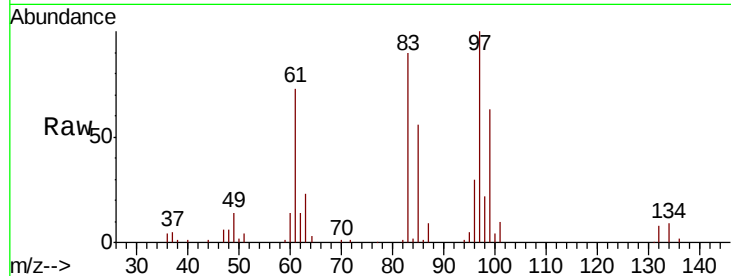




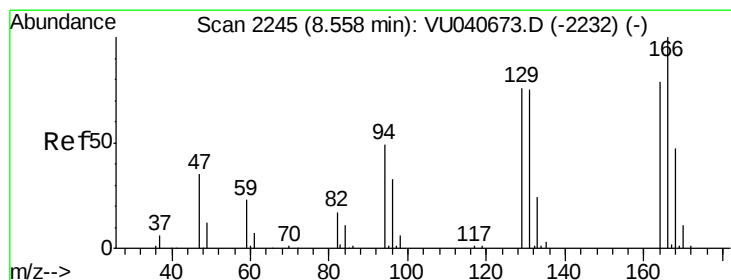
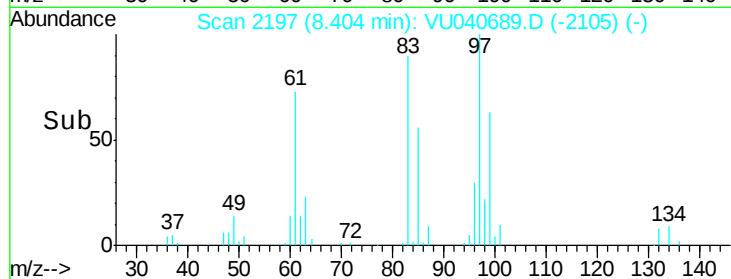
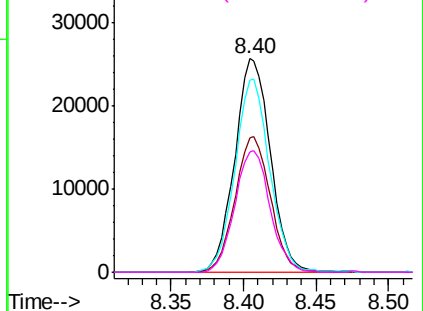
#45
 1,1,2-Trichloroethane
 Concen: 5.091 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040689.D
 Acq: 13 Oct 2020 17:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion:	97	Resp:	43963
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.0	81.6
83	89.8	62.9	116.9
85	56.1	40.3	74.8

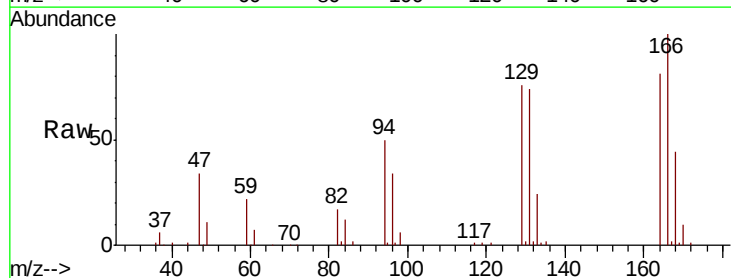


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

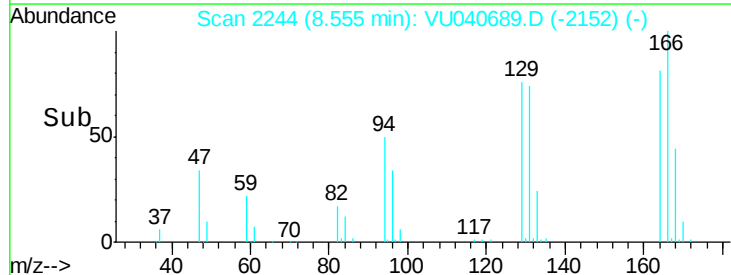
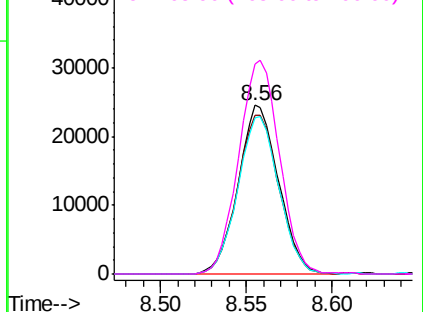


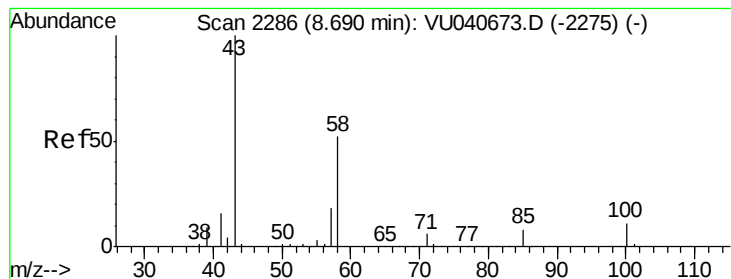
#47
 Tetrachloroethene
 Concen: 5.235 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040689.D
 Acq: 13 Oct 2020 17:47

Tgt Ion:	164	Resp:	40067
Ion	Ratio	Lower	Upper
164	100		
129	94.0	68.8	127.8
131	92.2	66.7	123.9
166	124.1	83.9	155.7



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: 53.486 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

Tot Ion: 43 Resp: 366056

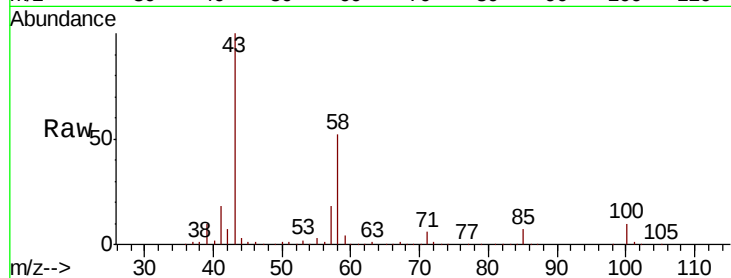
Ion Ratio Lower Upper

43 100

58 52.2 41.0 61.6

57 18.0 14.4 21.6

100 10.7 8.6 13.0

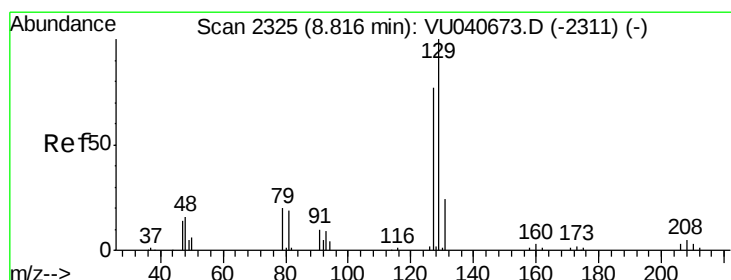
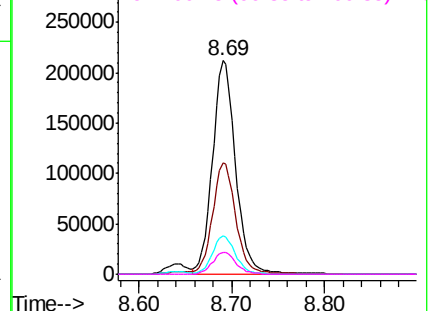
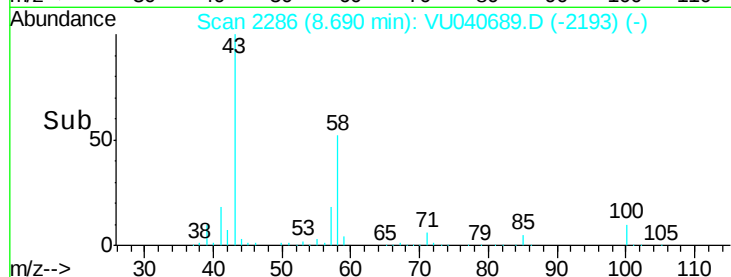


Abundance Ion 43.05 (42.75 to 43.75): VU040689.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040689.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040689.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040689.D (-2193) (-)



#49

Dibromochloromethane

Concen: 5.307 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040689.D

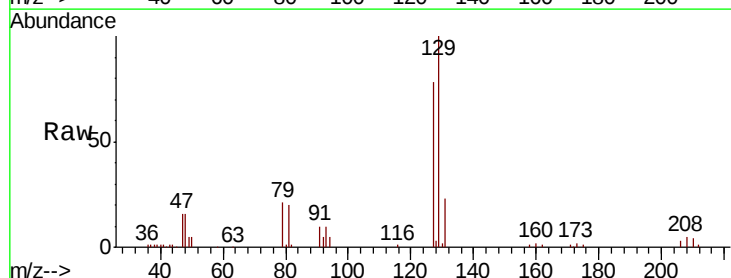
Acq: 13 Oct 2020 17:47

Tgt Ion: 129 Resp: 52732

Ion Ratio Lower Upper

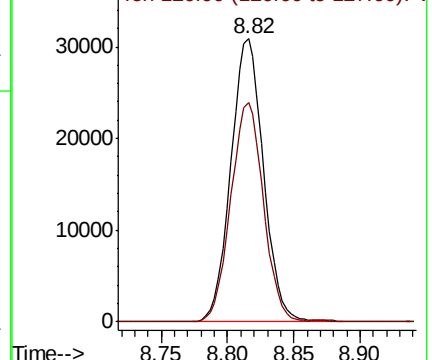
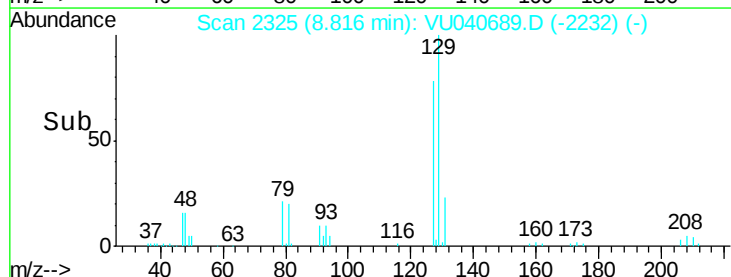
129 100

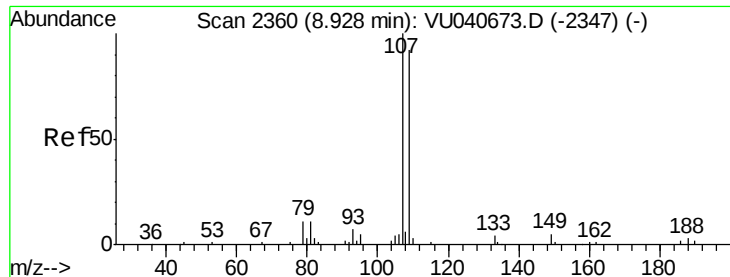
127 77.5 55.8 103.6



Abundance Ion 128.95 (128.65 to 129.65): VU040689.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VU040689.D (-2232) (-)

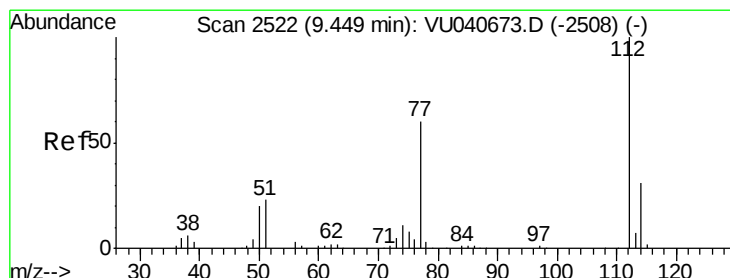
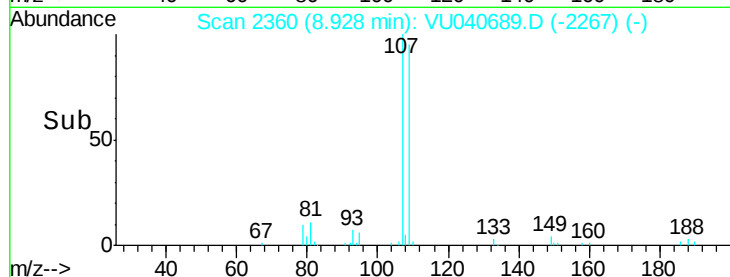
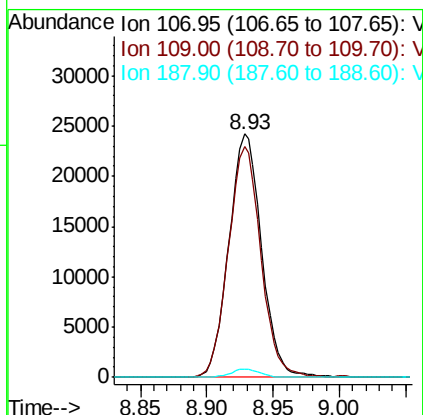
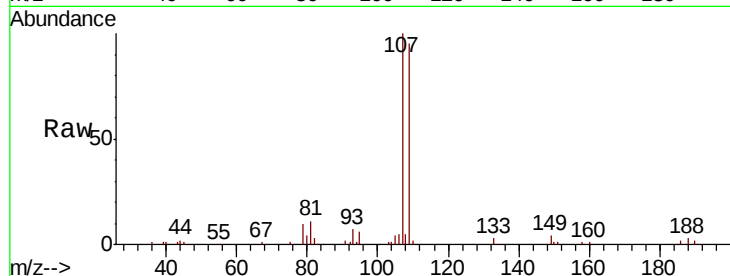




#50
 1,2-Dibromoethane
 Concen: 5.066 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040689.D
 Acq: 13 Oct 2020 17:47

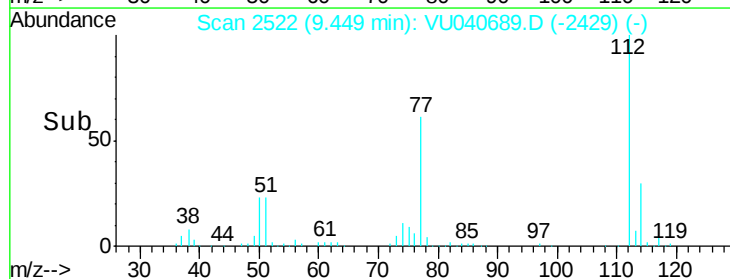
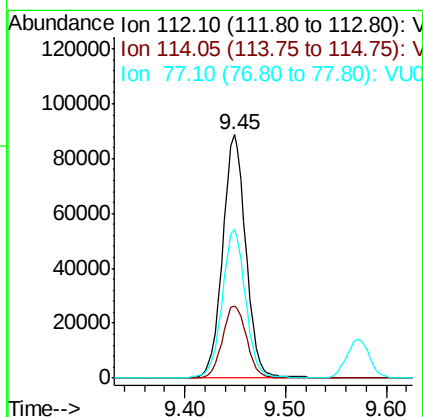
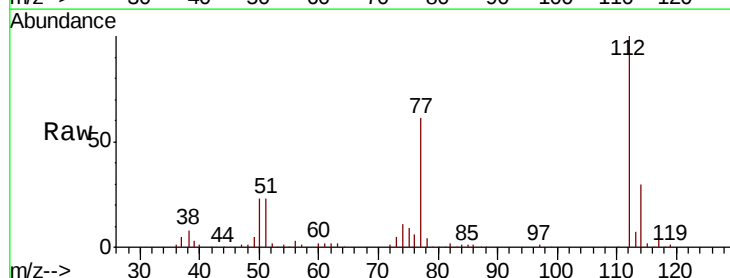
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

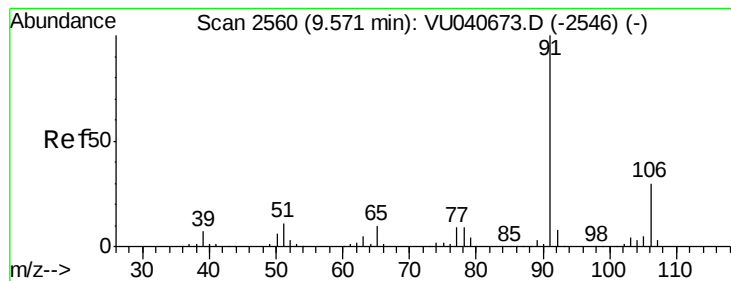
Tot Ion:107 Resp: 41499
 Ion Ratio Lower Upper
 107 100
 109 94.9 65.7 121.9
 188 3.3 3.0 4.4



#51
 Chlorobenzene
 Concen: 5.146 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040689.D
 Acq: 13 Oct 2020 17:47

Tgt Ion:112 Resp: 142947
 Ion Ratio Lower Upper
 112 100
 114 29.8 23.1 42.9
 77 61.1 50.3 75.5





#52

Ethylbenzene

Concen: 5.127 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

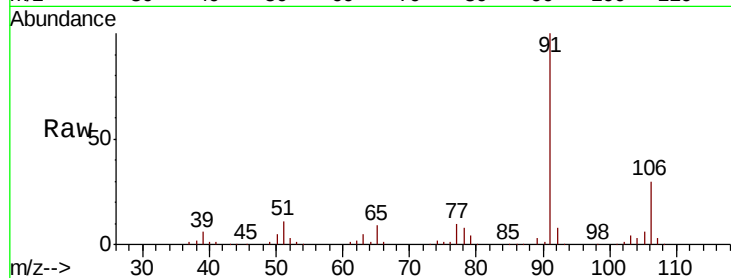
VSTD00508

Tot Ion: 91 Resp: 233978

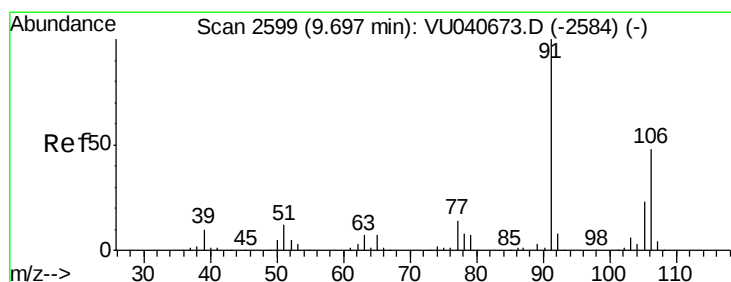
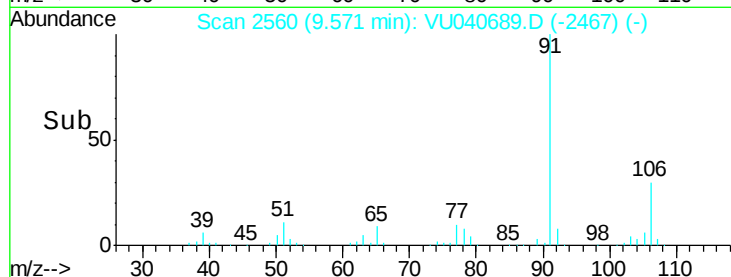
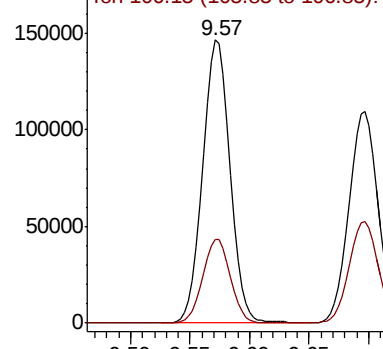
Ion Ratio Lower Upper

91 100

106 29.7 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040689.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.392 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040689.D

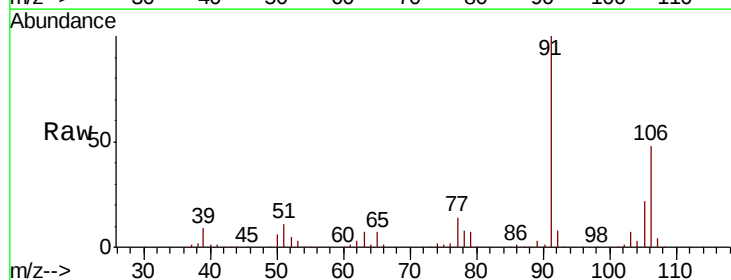
Acq: 13 Oct 2020 17:47

Tgt Ion: 106 Resp: 89698

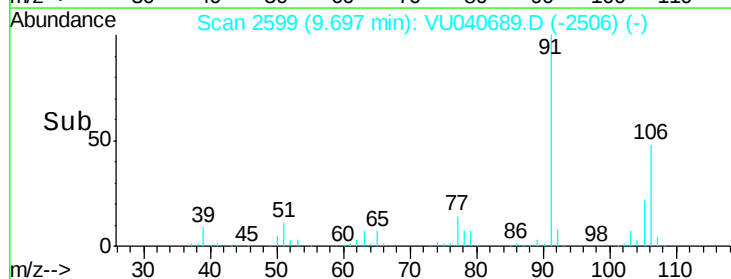
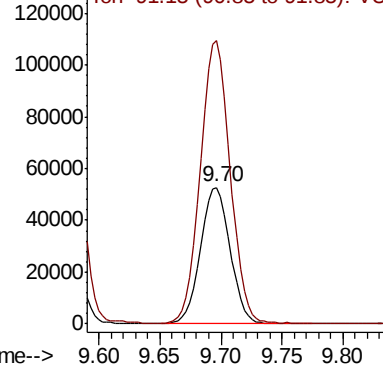
Ion Ratio Lower Upper

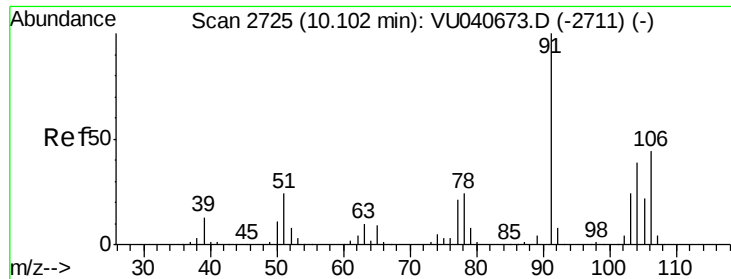
106 100

91 207.3 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040689.D (-2584) (-)

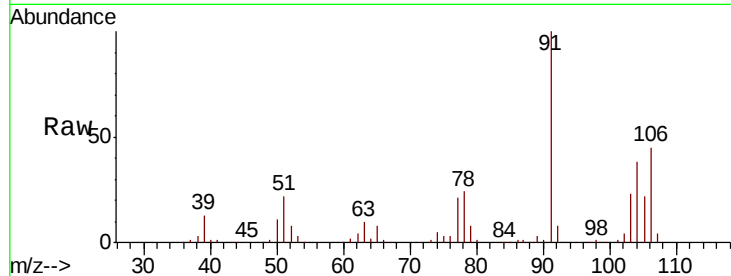




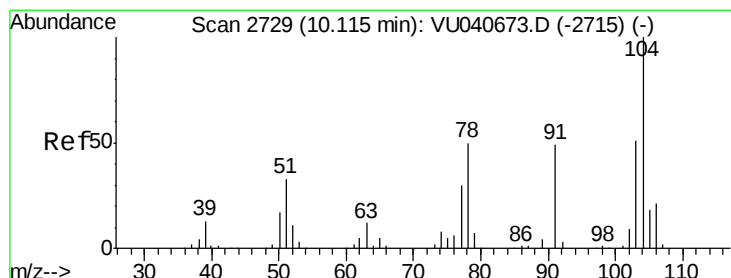
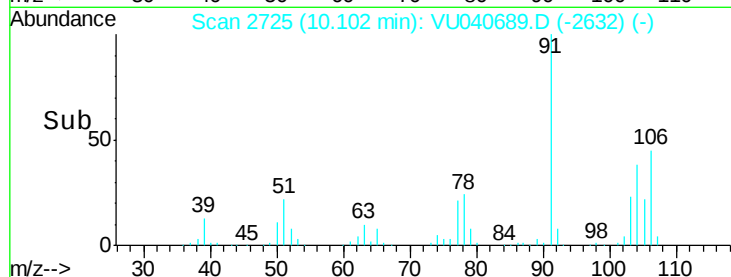
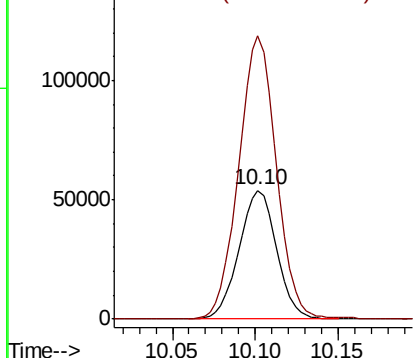
#54
o-Xylene
Concen: 5.293 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040689.D
Acq: 13 Oct 2020 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion:106 Resp: 84664
Ion Ratio Lower Upper
106 100
91 220.0 160.2 297.4

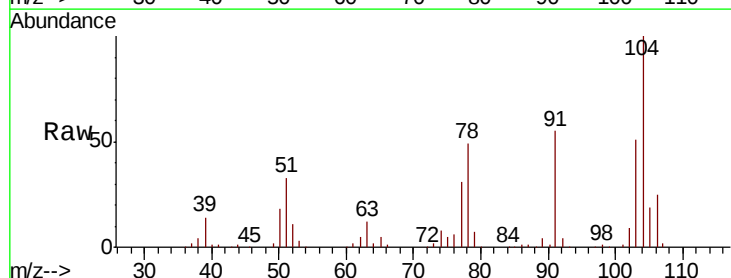


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

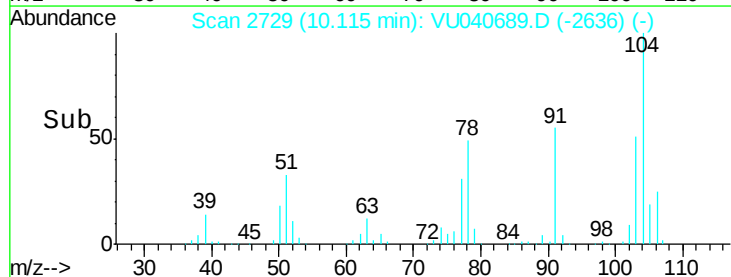
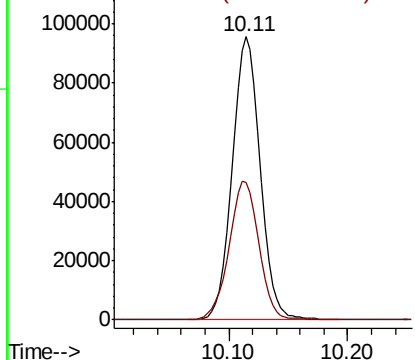


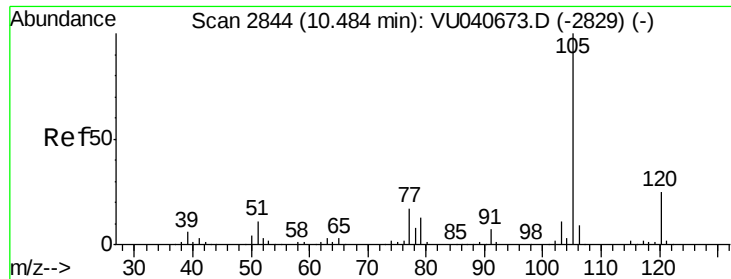
#55
Styrene
Concen: 5.594 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040689.D
Acq: 13 Oct 2020 17:47

Tgt Ion:104 Resp: 155398
Ion Ratio Lower Upper
104 100
78 48.7 34.6 64.3



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





#56

Isopropylbenzene

Concen: 5.280 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

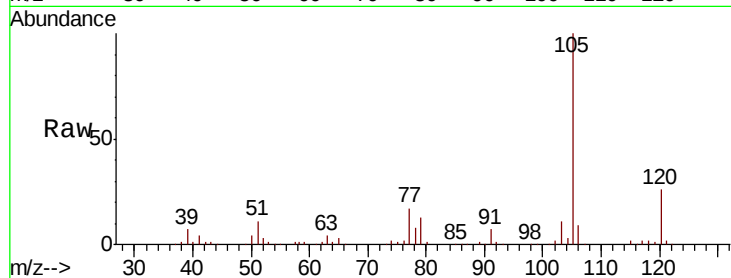
Tot Ion:105 Resp: 227360

Ion Ratio Lower Upper

105 100

120 26.0 20.6 30.8

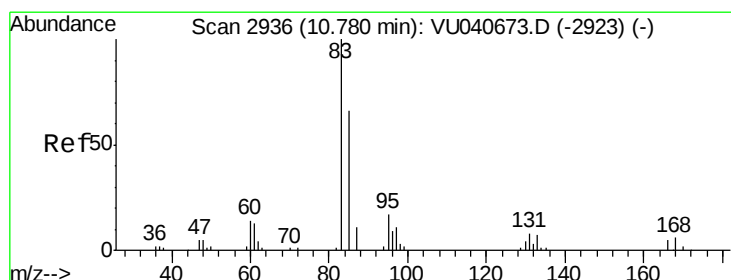
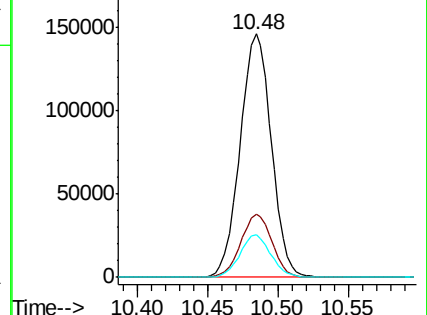
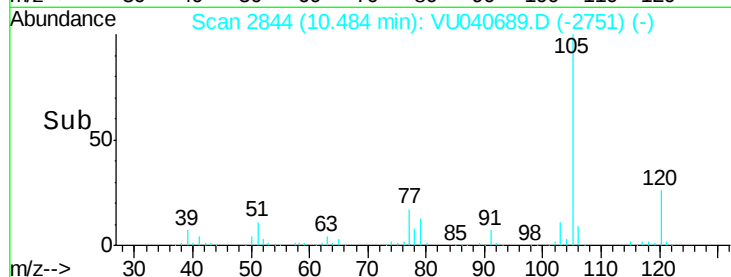
77 17.4 13.8 20.6



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: 5.151 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

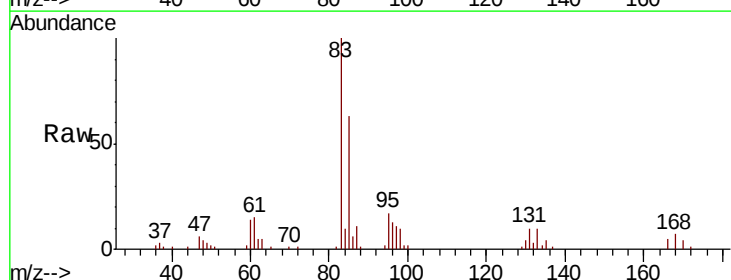
Tgt Ion: 83 Resp: 58404

Ion Ratio Lower Upper

83 100

85 63.2 45.6 84.6

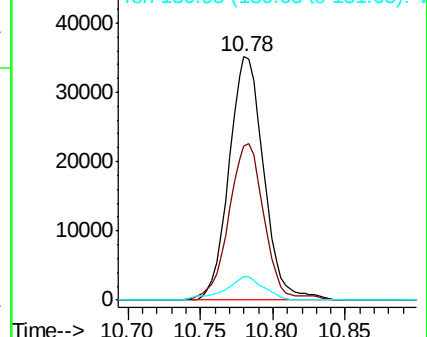
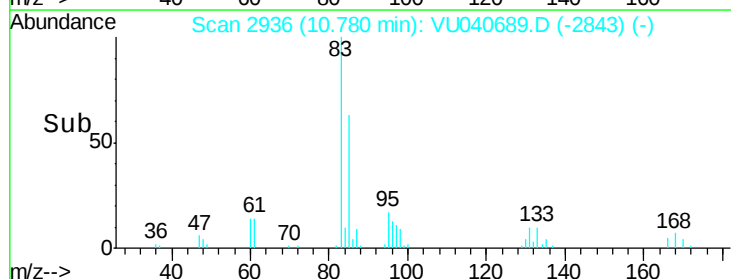
131 9.8 7.1 10.7

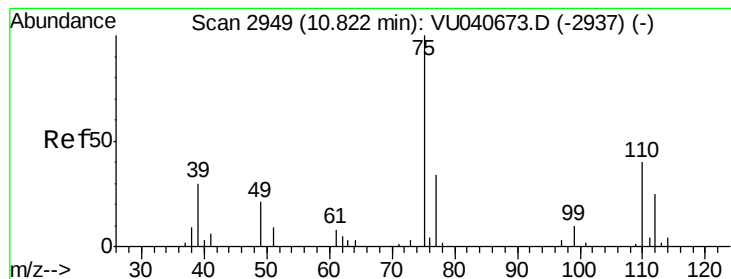


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.173 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

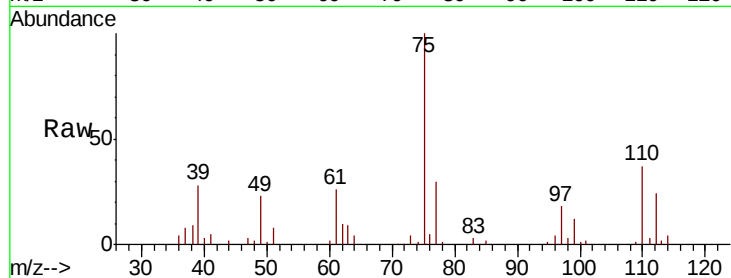
VSTD00508

Tot Ion: 75 Resp: 43816

Ion Ratio Lower Upper

75 100

77 30.6 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040673.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU040673.D (-2937) (-)

10.82

30000

25000

20000

15000

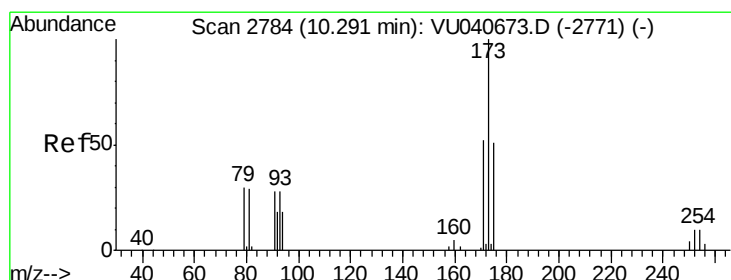
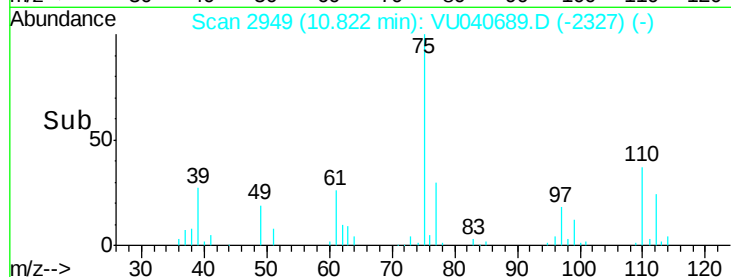
10000

5000

0

Time-->

10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 4.935 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

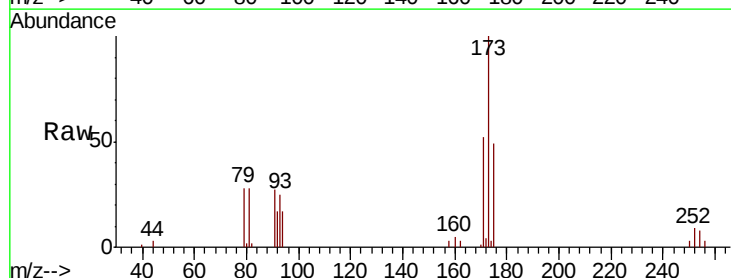
Tgt Ion:173 Resp: 29741

Ion Ratio Lower Upper

173 100

175 47.6 37.4 56.0

254 8.1 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): VU040673.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040673.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040673.D (-2771) (-)

10.29

20000

15000

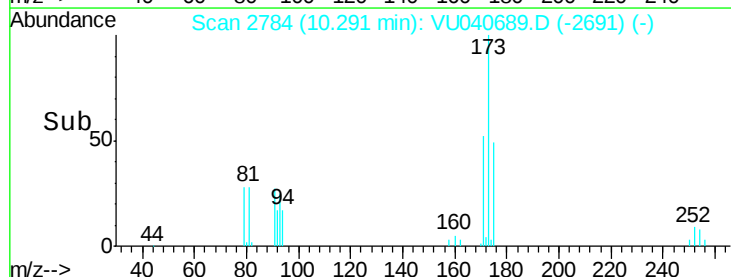
10000

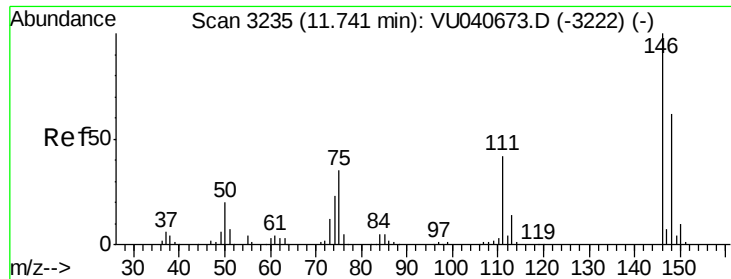
5000

0

Time-->

10.25 10.30 10.35

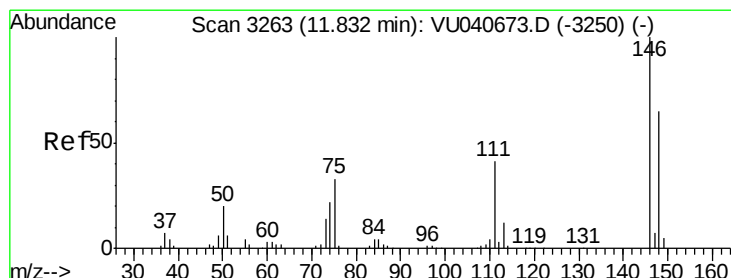
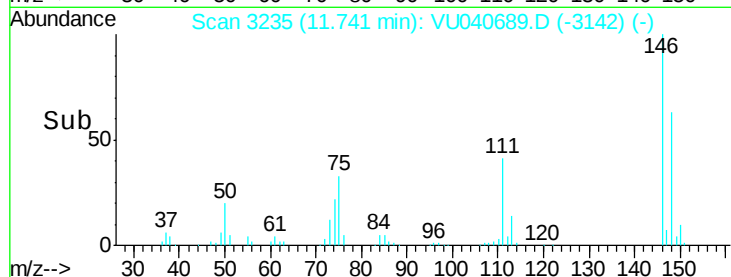
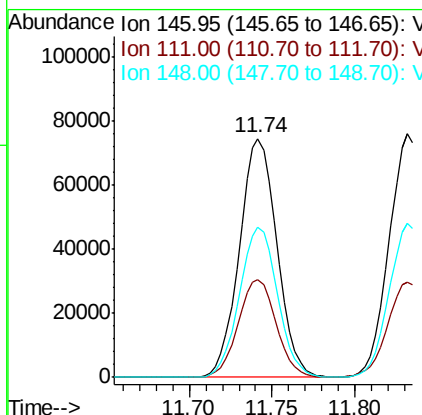
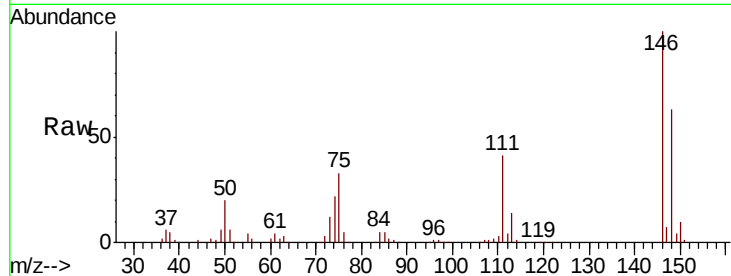




#62
 1,3-Dichlorobenzene
 Concen: 5.116 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040689.D
 Acq: 13 Oct 2020 17:47

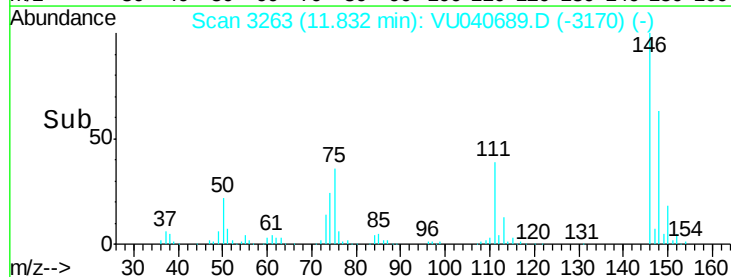
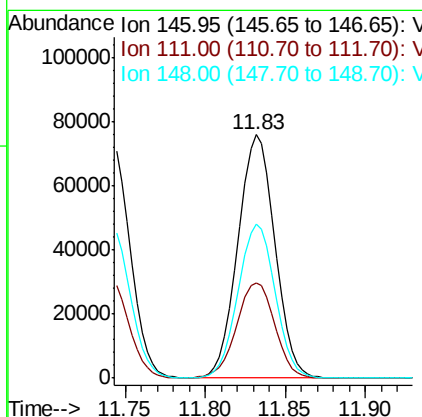
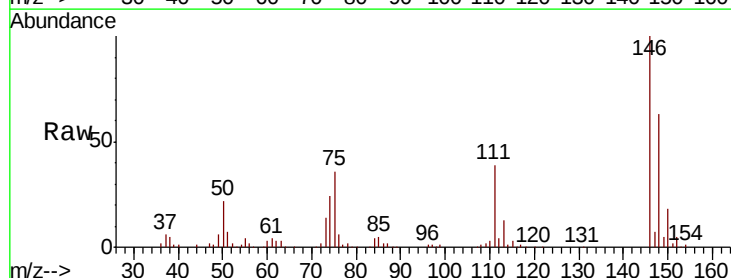
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

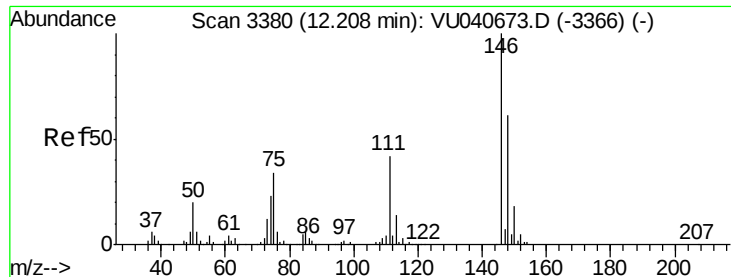
Tot Ion:146 Resp: 117709
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.8 53.6
 148 63.0 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 5.048 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040689.D
 Acq: 13 Oct 2020 17:47

Tgt Ion:146 Resp: 119766
 Ion Ratio Lower Upper
 146 100
 111 39.2 28.4 52.8
 148 63.4 44.0 81.6

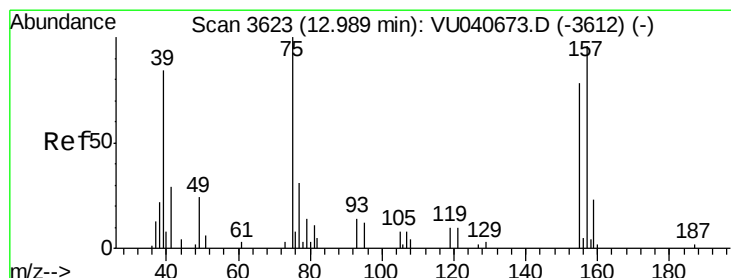
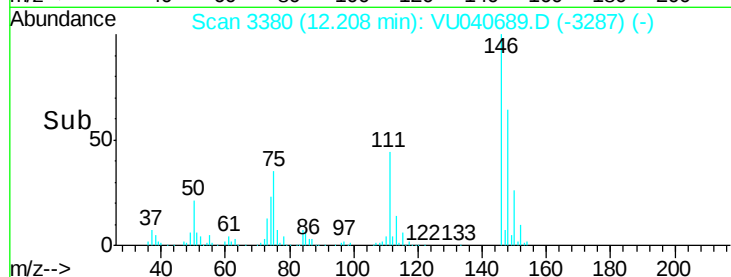
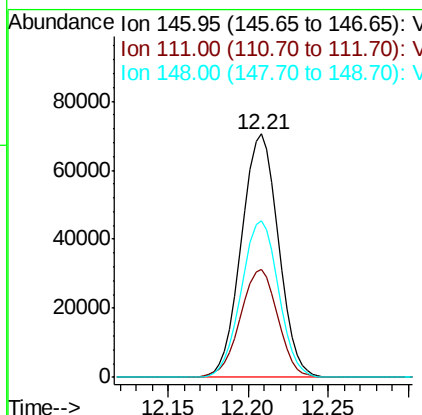
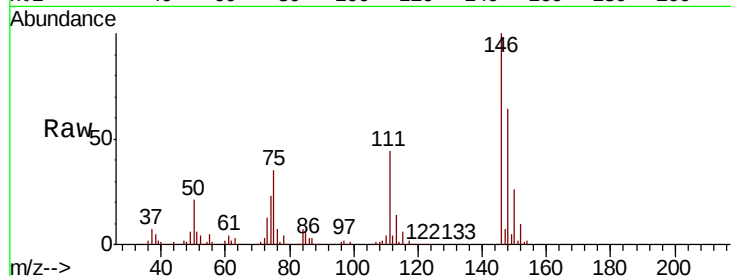




#65
 1,2-Dichlorobenzene
 Concen: 4.947 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040689.D
 Acq: 13 Oct 2020 17:47

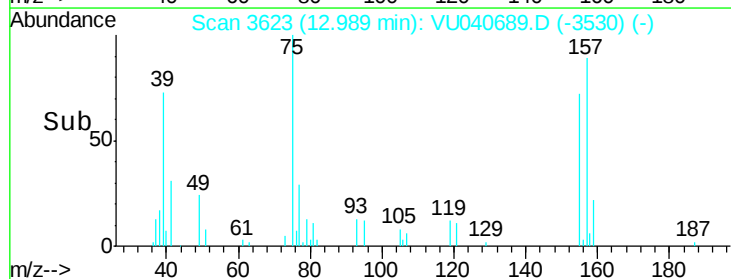
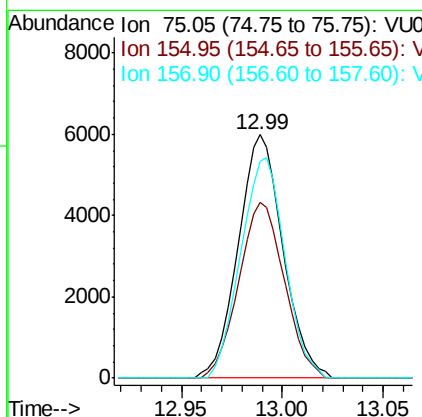
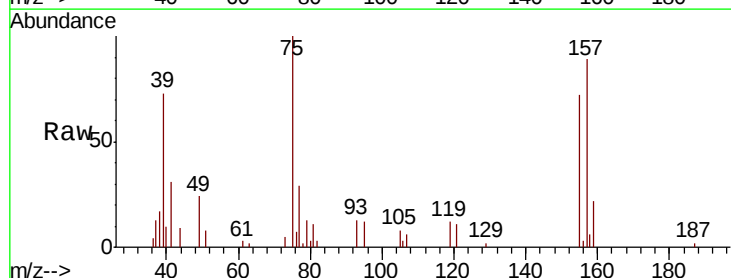
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

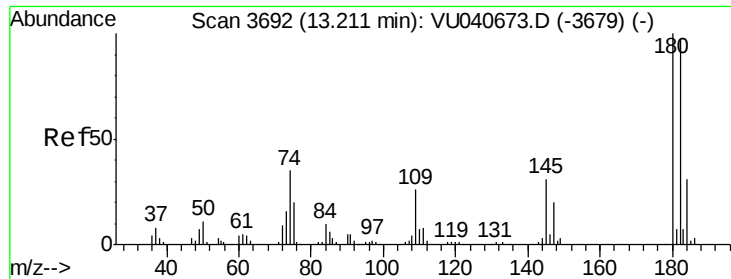
Tot Ion:146 Resp: 111280
 Ion Ratio Lower Upper
 146 100
 111 44.1 34.4 51.6
 148 64.4 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.722 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040689.D
 Acq: 13 Oct 2020 17:47

Tgt Ion: 75 Resp: 9300
 Ion Ratio Lower Upper
 75 100
 155 72.0 53.8 80.6
 157 89.2 74.6 112.0

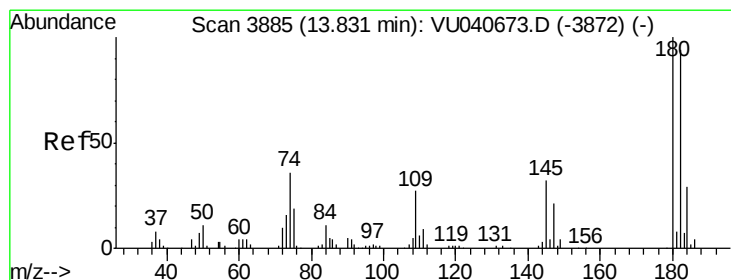
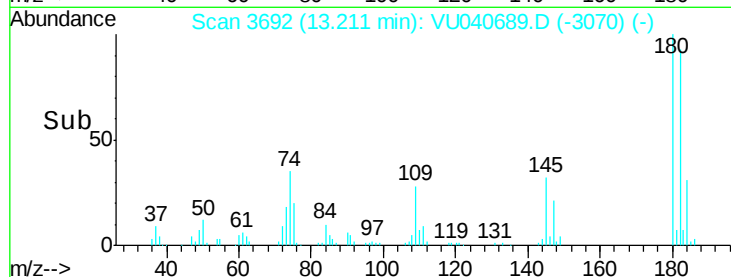
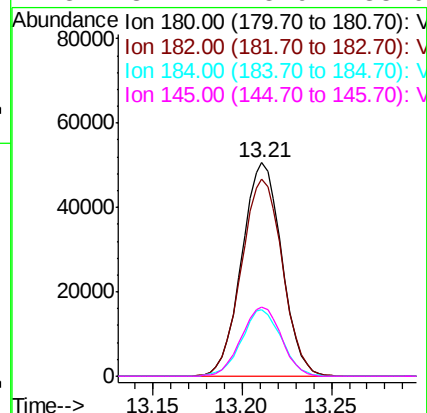
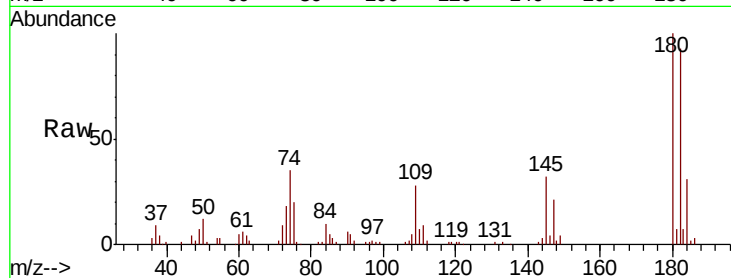




#67
 1,3,5-Trichlorobenzene
 Concen: 4.840 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040689.D
 Acq: 13 Oct 2020 17:47

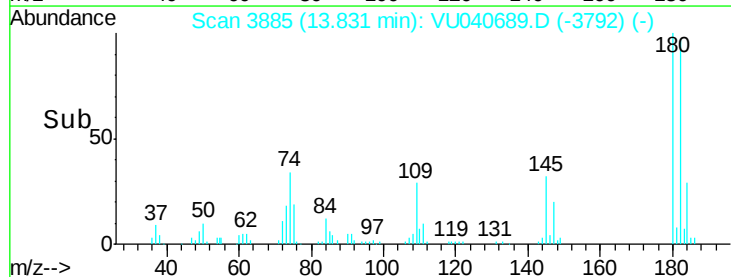
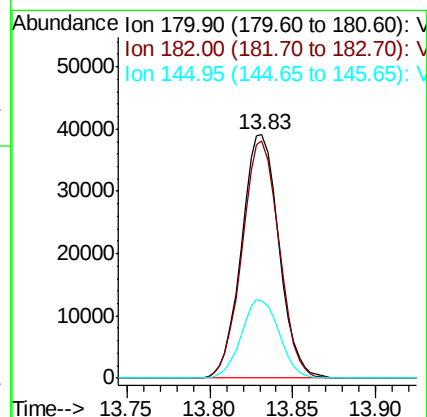
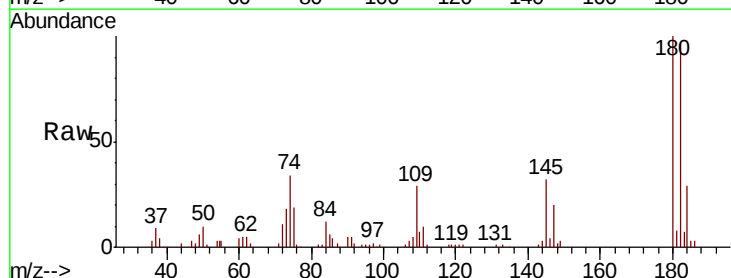
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

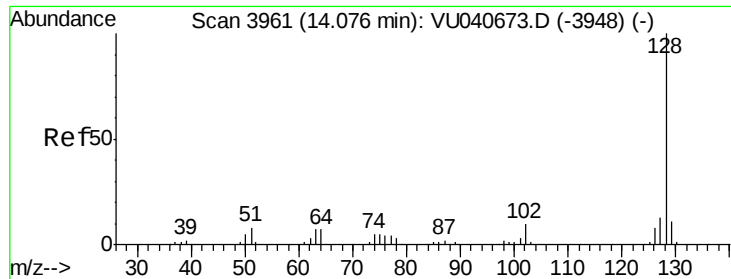
Tot Ion:180	Resp:	79020
Ion	Ratio	Lower Upper
180	100	
182	94.8	77.0 115.4
184	31.0	24.5 36.7
145	32.4	25.9 38.9



#68
 1,2,4-trichlorobenzene
 Concen: 4.852 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040689.D
 Acq: 13 Oct 2020 17:47

Tgt Ion:180	Resp:	61209
Ion	Ratio	Lower Upper
180	100	
182	96.6	78.8 118.2
145	32.8	26.1 39.1





#69

Naphthalene

Concen: 4.609 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

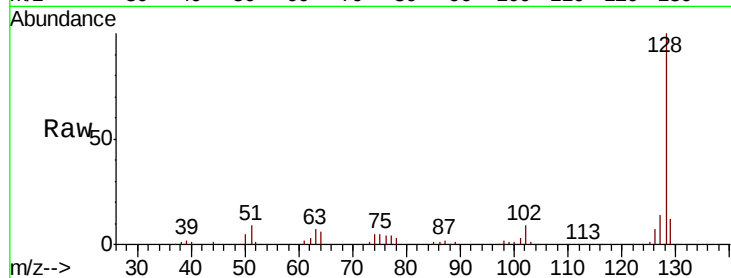
Tot Ion:128 Resp: 95113

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

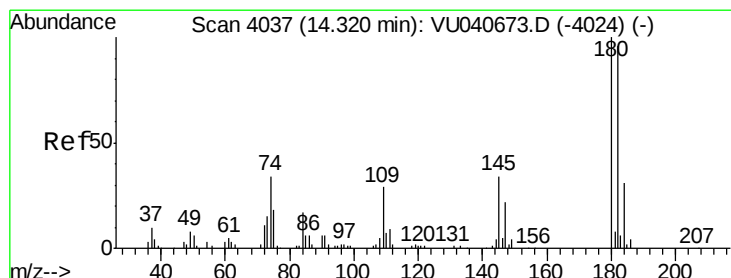
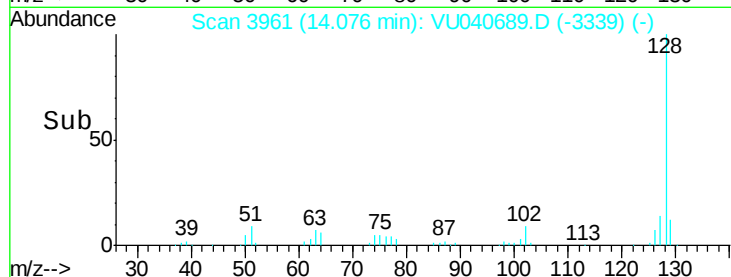
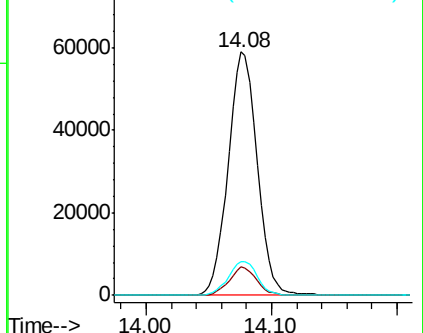
127 13.7 10.2 15.4



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: 5.156 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040689.D

Acq: 13 Oct 2020 17:47

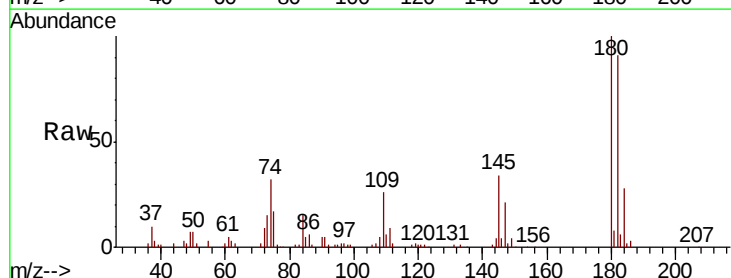
Tgt Ion:180 Resp: 60390

Ion Ratio Lower Upper

180 100

182 93.6 75.8 113.8

145 34.0 27.4 41.2



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

