

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121820\
 Data File : VU041691.D
 Acq On : 18 Dec 2020 20:10
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Quant Time: Dec 19 04:16:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 19 04:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	128415	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	116134	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	64991	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37337	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.92	69	34749	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.58	63	80122	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.60%
20) 2-Butanone-d5	4.66	46	157571	54.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.28%
24) Chloroform-d	5.08	84	84701	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.72	65	48439	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.74	84	164431	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.70	67	51404	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.90	98	142800	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	8.19	79	22584	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.64	63	145668	56.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55083	5.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	56783	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	51803	4.762 ug/L	98
3) Chloromethane	1.53	50	45891	4.342 ug/L	96
5) Vinyl chloride	1.61	62	52544	4.502 ug/L	98
6) Bromomethane	1.87	94	36599	5.016 ug/L	98
8) Chloroethane	1.94	64	33441	4.218 ug/L	100
9) Trichlorofluoromethane	2.15	101	82149	5.561 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	46031	5.211 ug/L	95
12) 1,1-Dichloroethene	2.59	96	43992	5.050 ug/L	88
13) Acetone	2.68	43	91111	49.670 ug/L	74
14) Carbon disulfide	2.80	76	133629	4.439 ug/L	100
15) Methyl Acetate	2.97	43	20448	4.288 ug/L	97
16) Methylene chloride	3.06	84	52316	5.028 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	120772	5.196 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	43798	4.861 ug/L	94
19) 1,1-Dichloroethane	3.89	63	79411	4.715 ug/L	97
21) 2-Butanone	4.74	43	154870	51.833 ug/L	96
22) cis-1,2-Dichloroethene	4.68	96	47954	4.815 ug/L	97

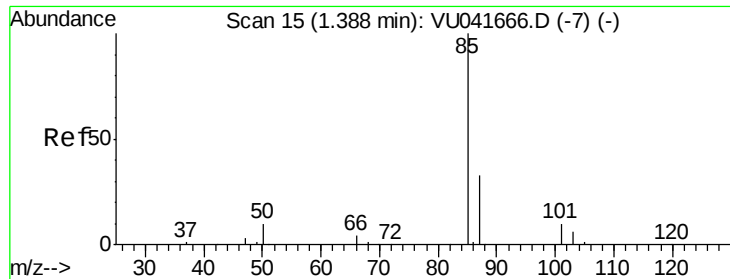
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121820\
 Data File : VU041691.D
 Acq On : 18 Dec 2020 20:10
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Quant Time: Dec 19 04:16:33 2020
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 19 04:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	26428	5.777	ug/L	88
25) Chloroform	5.11	83	86761	5.116	ug/L	99
27) 1,2-Dichloroethane	5.81	62	60781	5.292	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	78119	5.857	ug/L	97
30) Cyclohexane	5.40	56	75588	5.057	ug/L	95
31) Carbon tetrachloride	5.54	117	65508	5.681	ug/L	99
33) Benzene	5.79	78	193316	5.205	ug/L	100
34) Trichloroethene	6.55	95	50343	5.394	ug/L	94
35) Methylcyclohexane	6.77	83	74359	4.929	ug/L	98
37) 1,2-Dichloropropane	6.80	63	49603	5.221	ug/L	99
38) Bromodichloromethane	7.11	83	61476	5.201	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	70888	5.036	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	361603	53.491	ug/L	97
42) Toluene	7.97	91	199252	5.196	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	67709	5.379	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	40107	5.709	ug/L	97
47) Tetrachloroethene	8.56	164	36784	5.630	ug/L	97
48) 2-Hexanone	8.69	43	270581	54.999	ug/L	97
49) Dibromochloromethane	8.81	129	45715	5.665	ug/L	99
50) 1,2-Dibromoethane	8.93	107	38214	5.499	ug/L	96
51) Chlorobenzene	9.45	112	127596	5.353	ug/L	96
52) Ethylbenzene	9.57	91	207677	5.086	ug/L	96
53) m,p-Xylene	9.69	106	82518	5.419	ug/L	99
54) o-Xylene	10.10	106	80108	5.371	ug/L	100
55) Styrene	10.11	104	138029	5.357	ug/L	98
56) Isopropylbenzene	10.48	105	221140	5.570	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	57823	5.915	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	44108	6.182	ug/L	96
61) Bromoform	10.29	173	28731	5.848	ug/L	96
62) 1,3-Dichlorobenzene	11.74	146	104341	5.249	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	99387	4.973	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	101679	5.224	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.99	75	9461	5.183	ug/L	97
67) 1,3,5-Trichlorobenzene	13.21	180	71853	4.762	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	55348	4.371	ug/L	99
69) Naphthalene	14.07	128	110542	4.217	ug/L	99
70) 1,2,3-Trichlorobenzene	14.31	180	52642	4.362	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.762 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

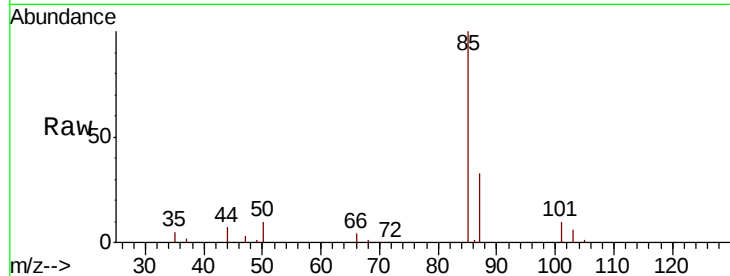
VSTD00520

Tot Ion: 85 Resp: 51803

Ion Ratio Lower Upper

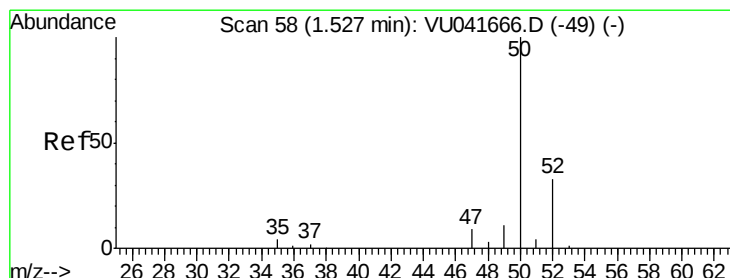
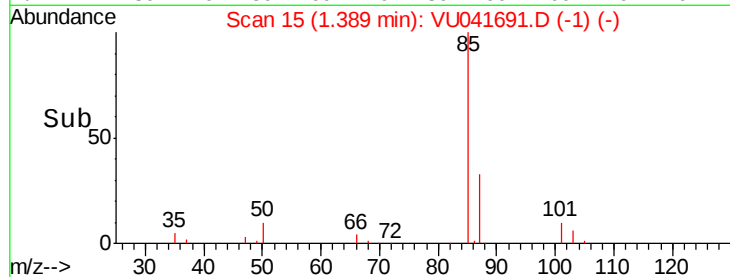
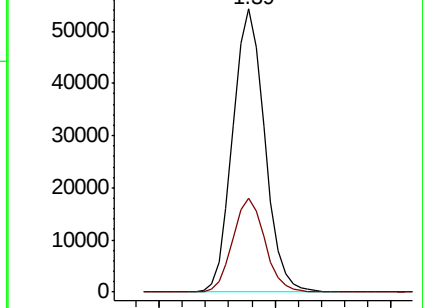
85 100

87 33.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041666.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041666.D (-7) (-)



#3

Chloromethane

Concen: 4.342 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041691.D

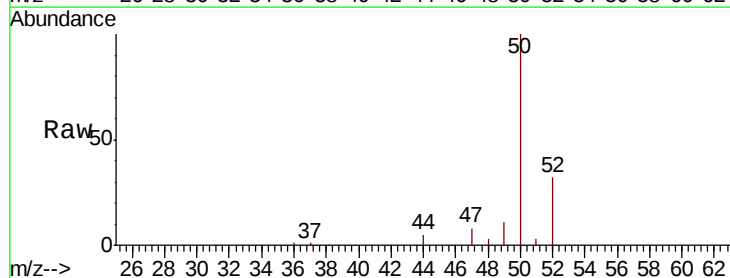
Acq: 18 Dec 2020 20:10

Tgt Ion: 50 Resp: 45891

Ion Ratio Lower Upper

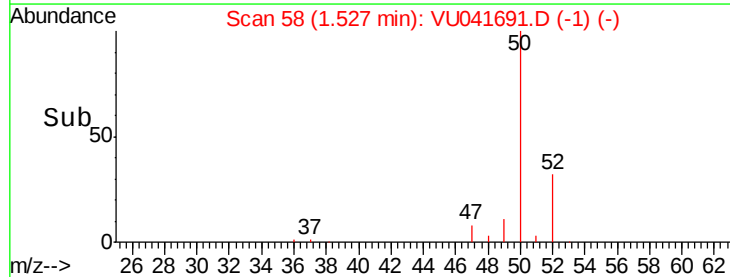
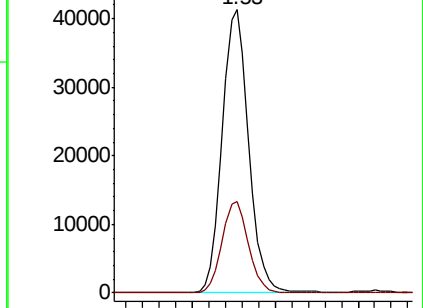
50 100

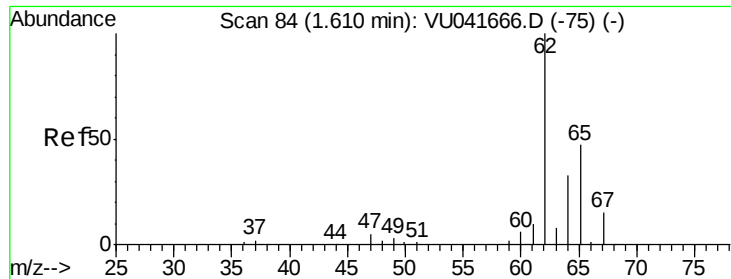
52 32.1 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041666.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041666.D (-49) (-)





#5

Vinyl chloride

Concen: 4.502 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

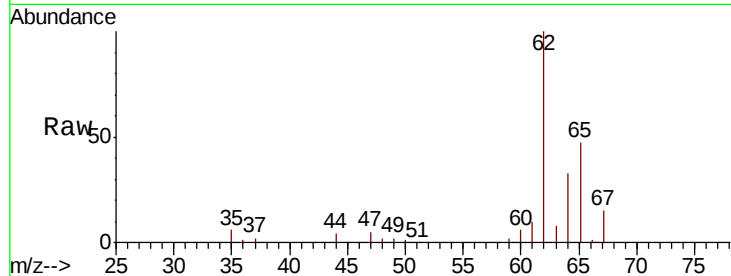
VSTD00520

Tot Ion: 62 Resp: 52544

Ion Ratio Lower Upper

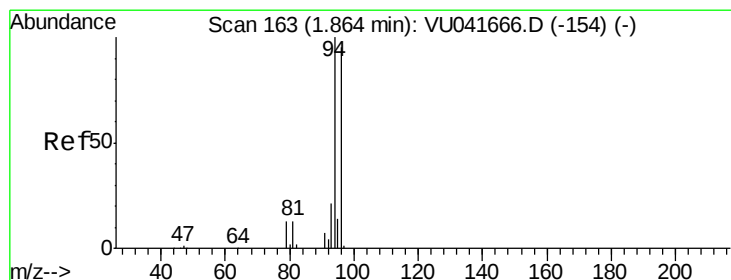
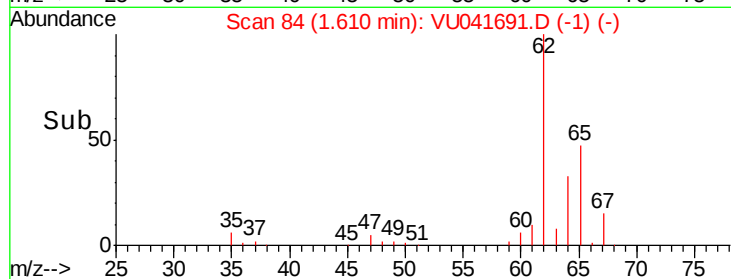
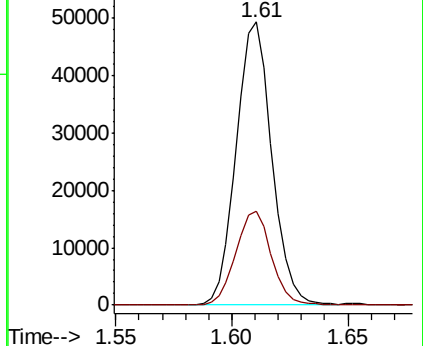
62 100

64 33.0 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU041666.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU041666.D (-75) (-)



#6

Bromomethane

Concen: 5.016 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041691.D

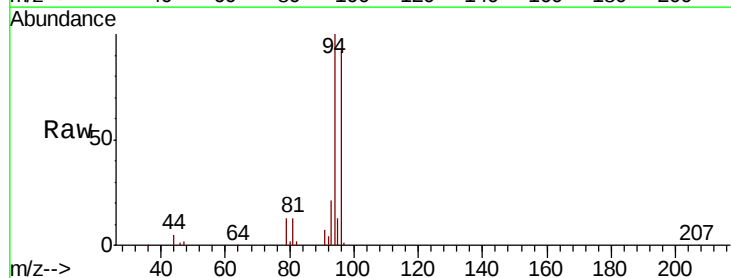
Acq: 18 Dec 2020 20:10

Tgt Ion: 94 Resp: 36599

Ion Ratio Lower Upper

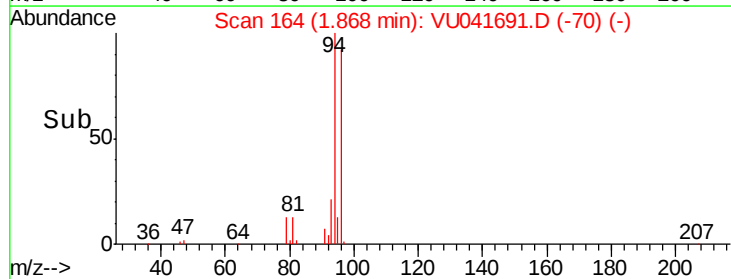
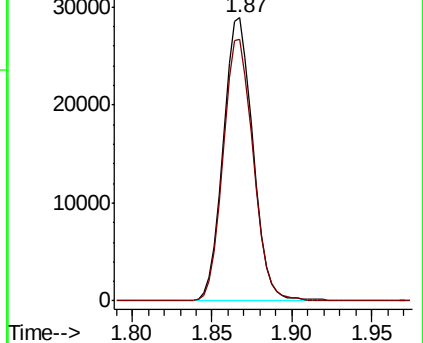
94 100

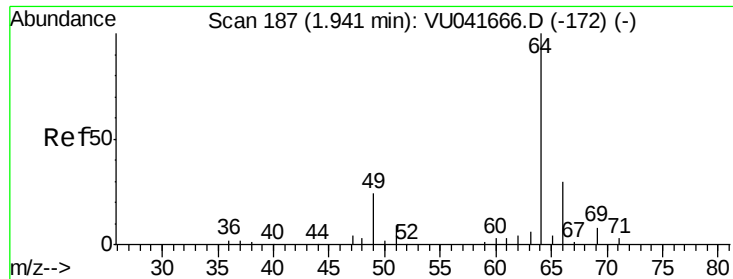
96 92.3 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU041666.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU041666.D (-154) (-)





#8

Chloroethane

Concen: 4.218 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

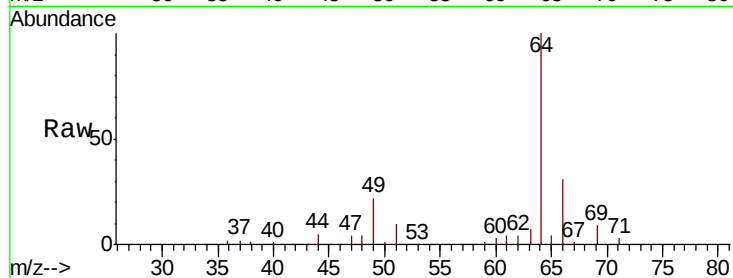
VSTD00520

Tot Ion: 64 Resp: 33441

Ion Ratio Lower Upper

64 100

66 30.8 21.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VU041666.D (-172) (-)

Ion 66.05 (65.75 to 66.75): VU041666.D (-172) (-)

1.94

25000

20000

15000

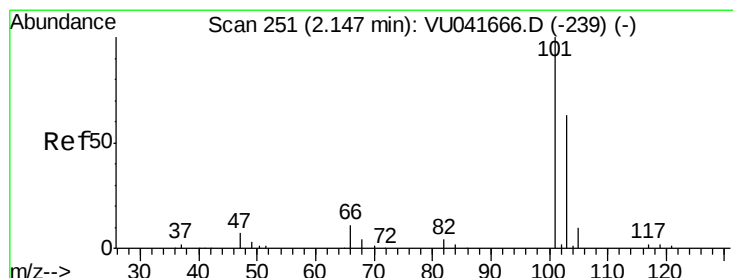
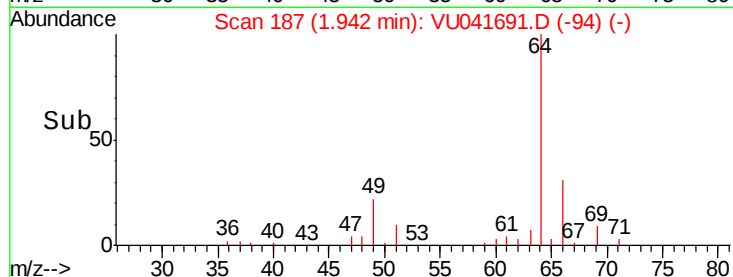
10000

5000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 5.561 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041691.D

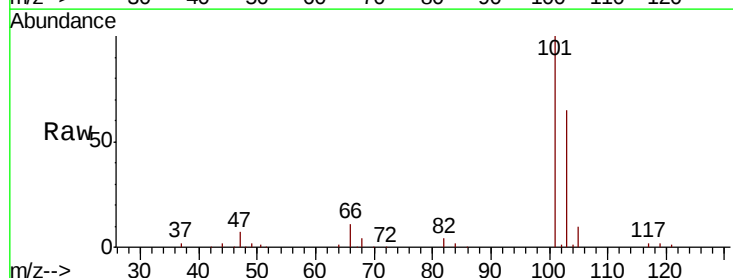
Acq: 18 Dec 2020 20:10

Tgt Ion: 101 Resp: 82149

Ion Ratio Lower Upper

101 100

103 64.4 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041666.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041666.D (-239) (-)

2.15

60000

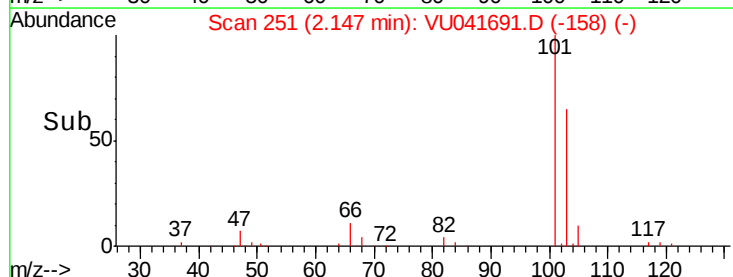
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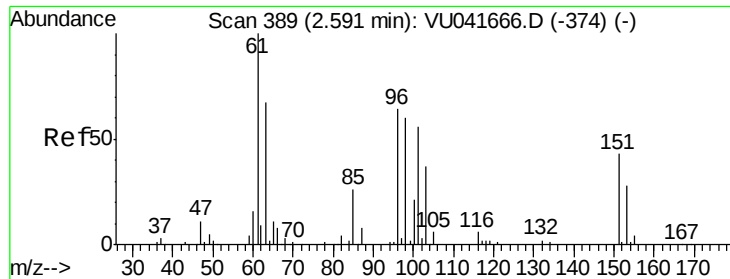
20000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 5.211 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

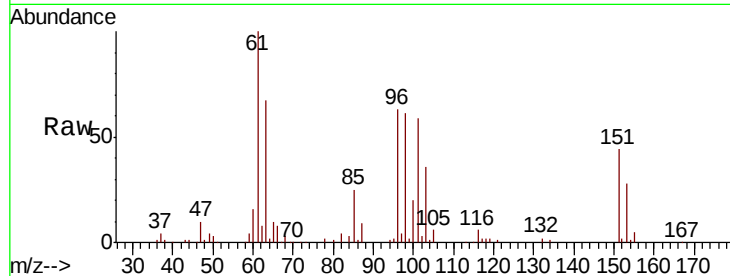
Tot Ion:101 Resp: 46031

Ion Ratio Lower Upper

101 100

85 42.2 33.6 50.4

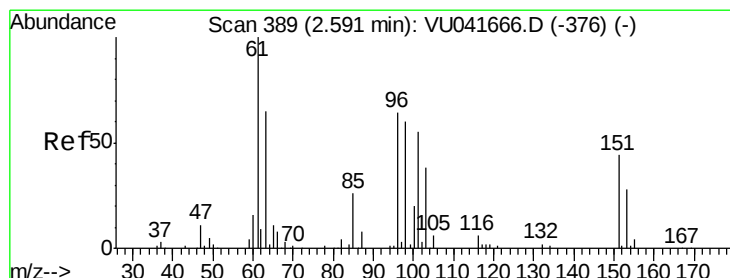
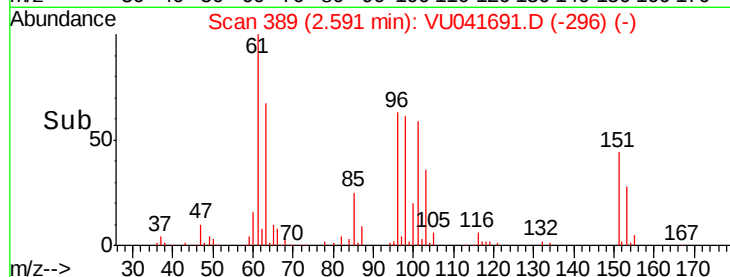
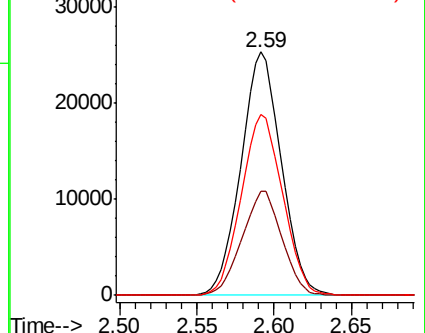
151 76.1 56.2 84.4



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: 5.050 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

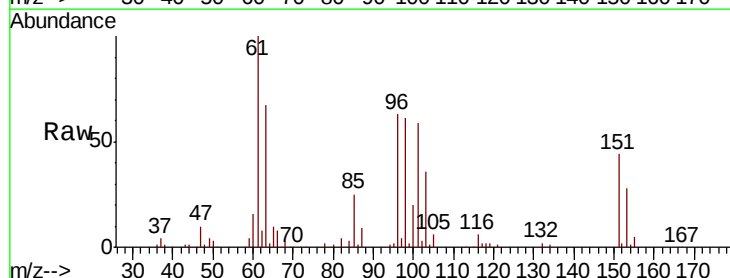
Tgt Ion: 96 Resp: 43992

Ion Ratio Lower Upper

96 100

61 158.0 123.8 230.0

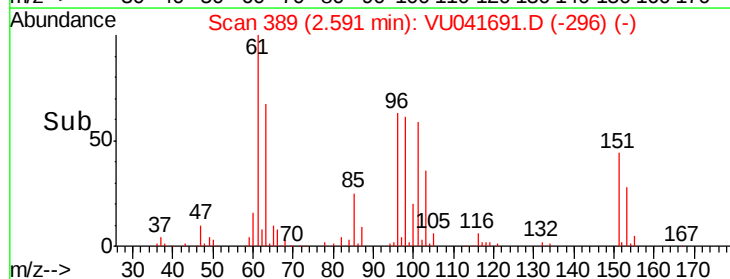
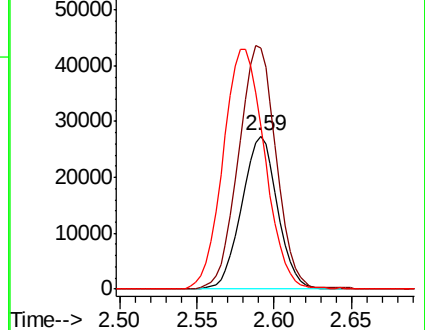
63 106.5 81.0 150.4

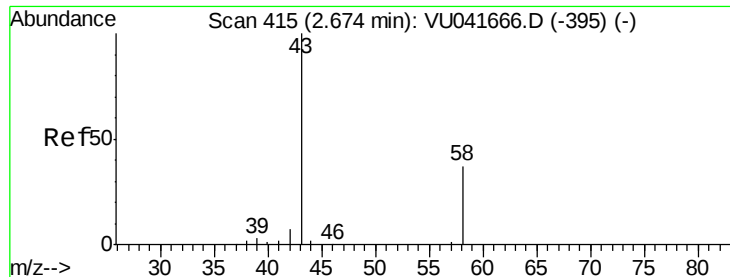


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.670 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

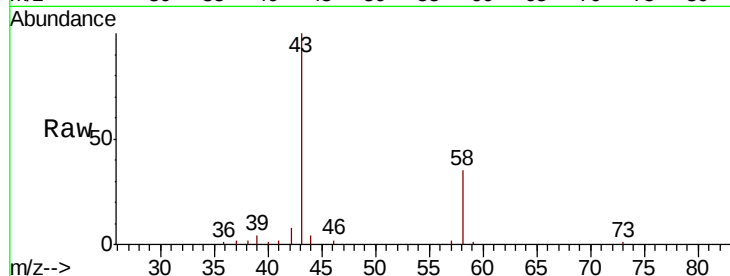
VSTD00520

Tot Ion: 43 Resp: 91111

Ion Ratio Lower Upper

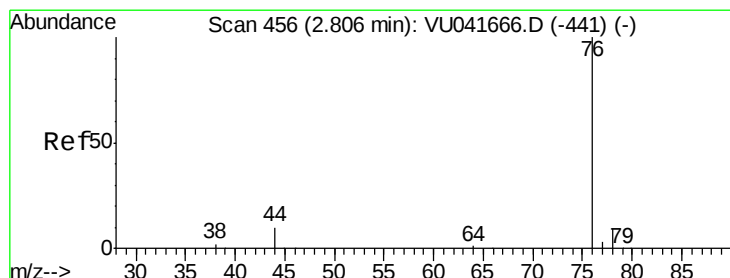
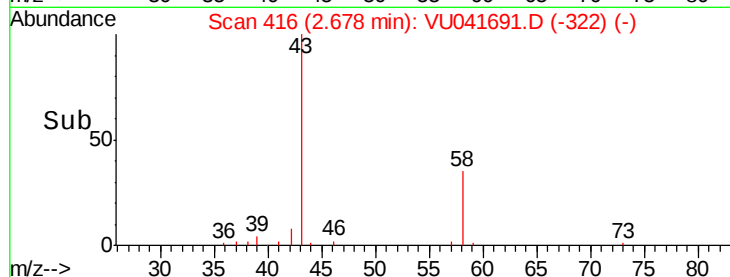
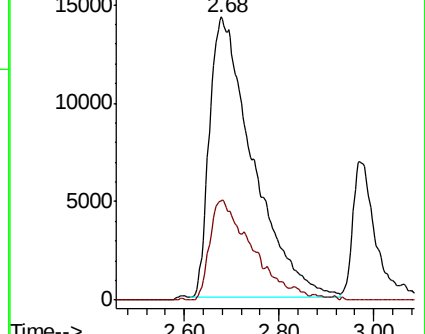
43 100

58 21.3 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041666.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041666.D (-395) (-)



#14

Carbon disulfide

Concen: 4.439 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041691.D

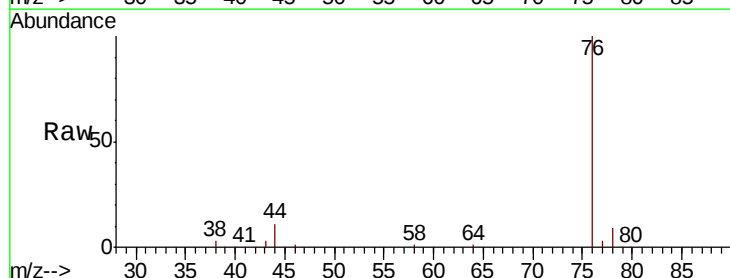
Acq: 18 Dec 2020 20:10

Tgt Ion: 76 Resp: 133629

Ion Ratio Lower Upper

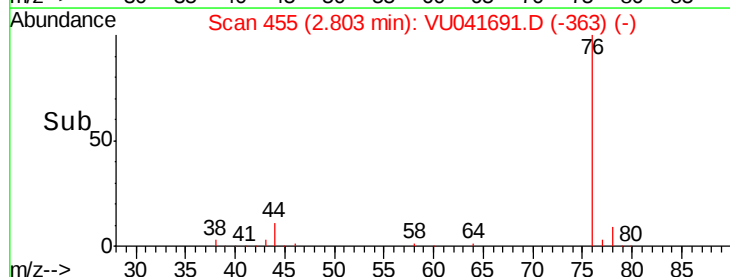
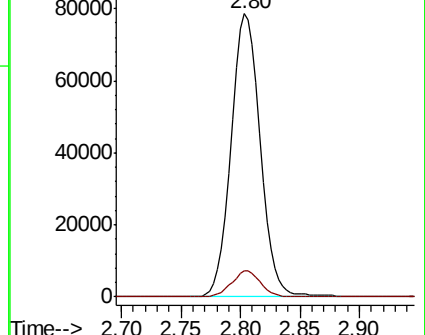
76 100

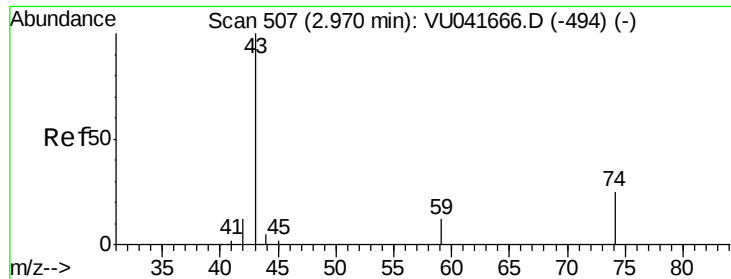
78 9.2 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU041666.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU041666.D (-441) (-)

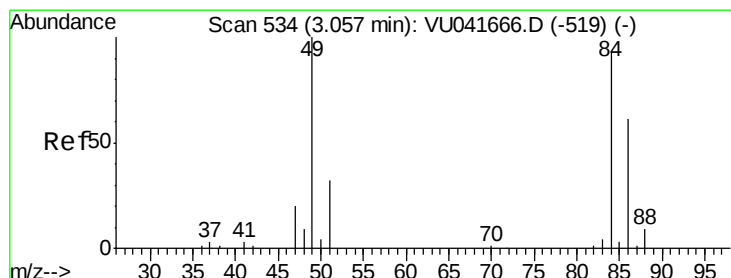
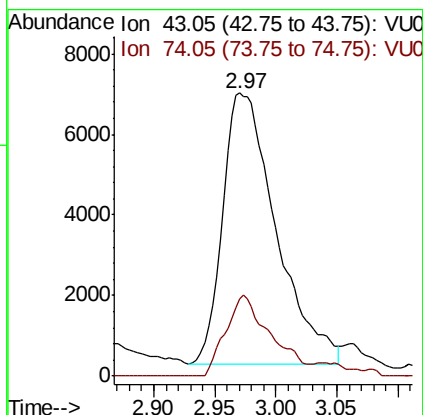
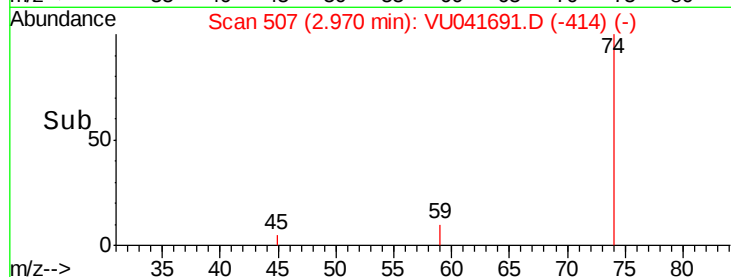
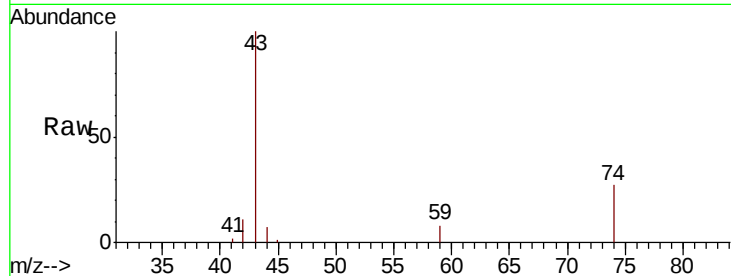




#15
Methvl Acetate
Concen: 4.288 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU041691.D
Acq: 18 Dec 2020 20:10

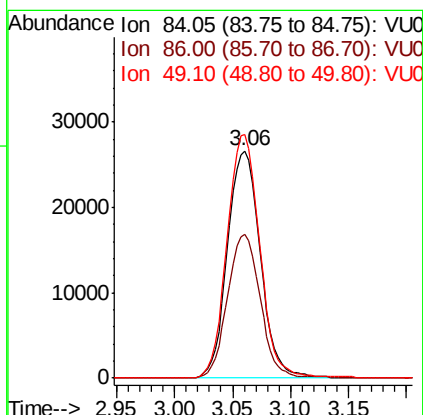
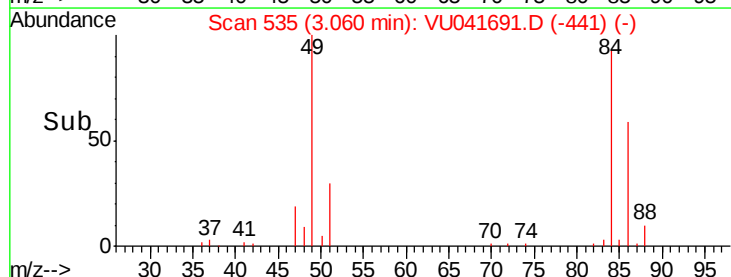
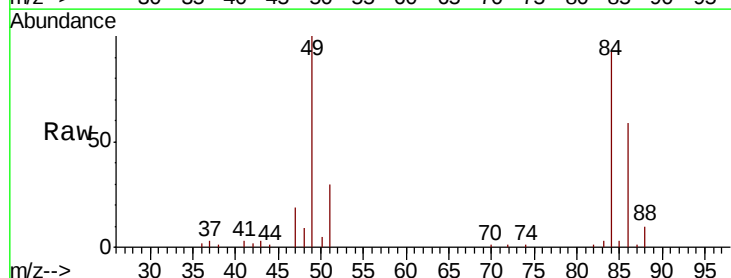
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

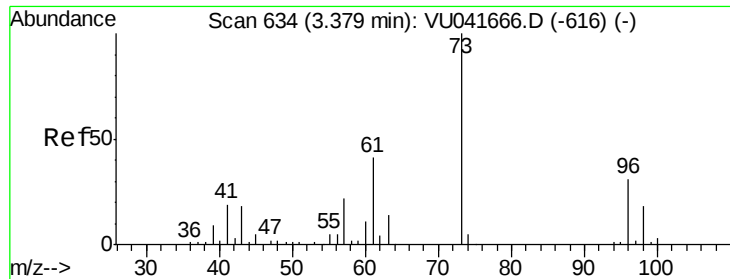
Tot Ion: 43 Resp: 20448
Ion Ratio Lower Upper
43 100
74 25.6 19.2 28.8



#16
Methylene chloride
Concen: 5.028 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041691.D
Acq: 18 Dec 2020 20:10

Tgt Ion: 84 Resp: 52316
Ion Ratio Lower Upper
84 100
86 63.0 45.1 83.7
49 107.1 83.1 154.3

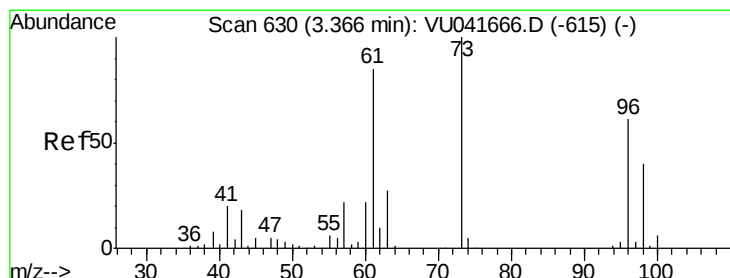
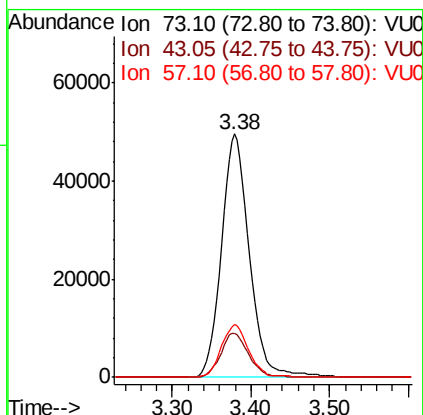
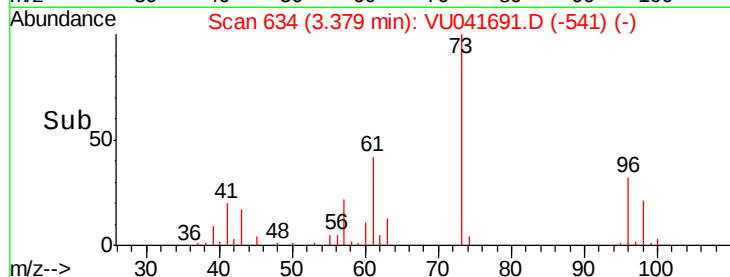
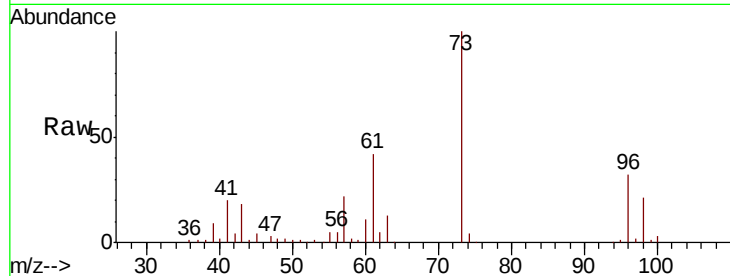




#17
Methvl tert-butvl Ether
Concen: 5.196 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041691.D
Acq: 18 Dec 2020 20:10

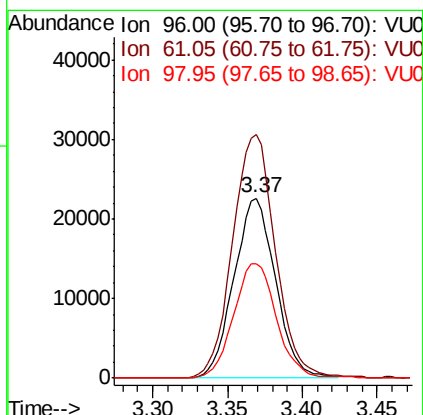
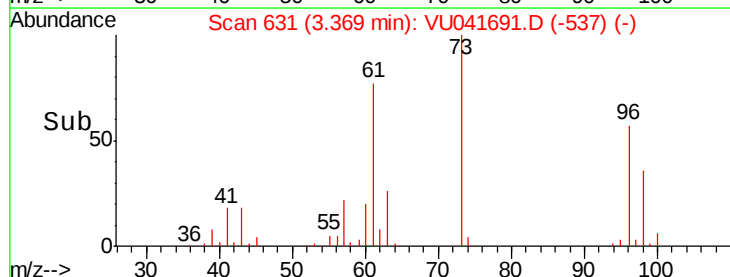
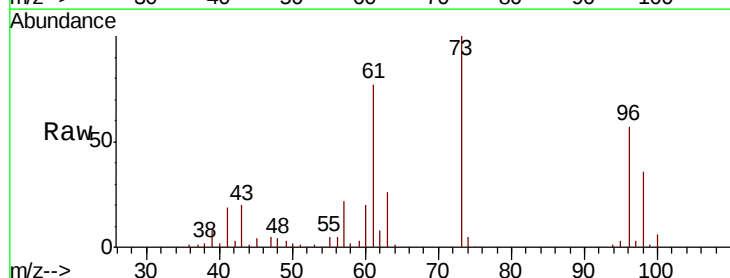
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

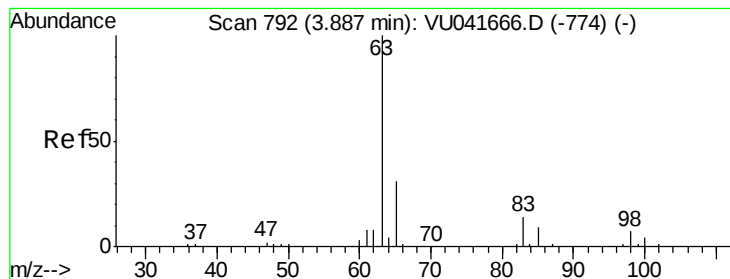
Tot Ion: 73 Resp: 120772
Ion Ratio Lower Upper
73 100
43 18.1 14.7 22.1
57 21.3 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 4.861 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041691.D
Acq: 18 Dec 2020 20:10

Tgt Ion: 96 Resp: 43798
Ion Ratio Lower Upper
96 100
61 135.4 101.8 189.0
98 63.5 44.4 82.5

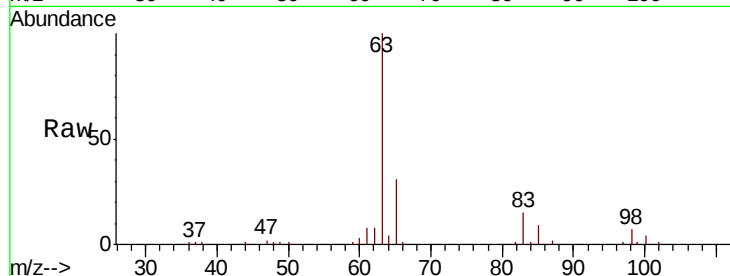




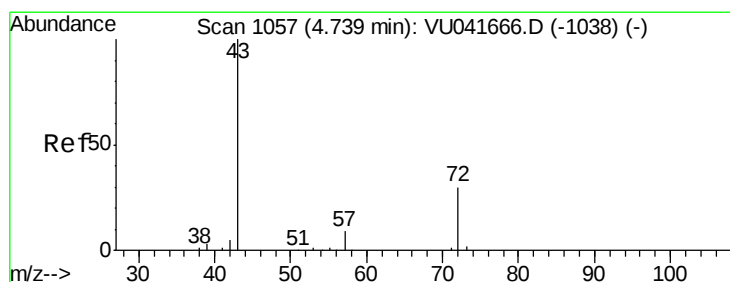
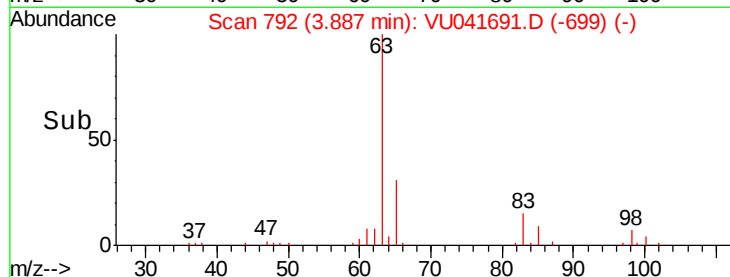
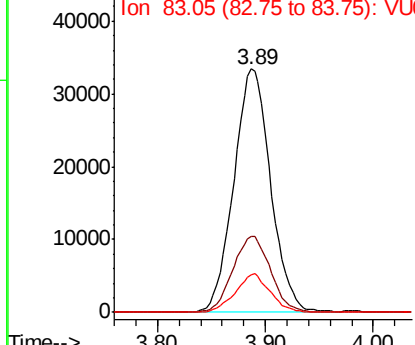
#19
 1,1-Dichloroethane
 Concen: 4.715 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion: 63 Resp: 79411
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.3 39.6
 83 15.3 9.3 17.3

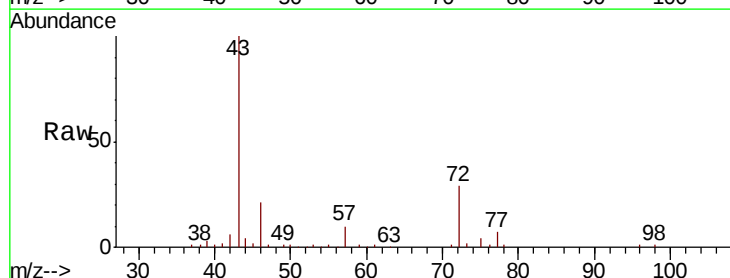


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

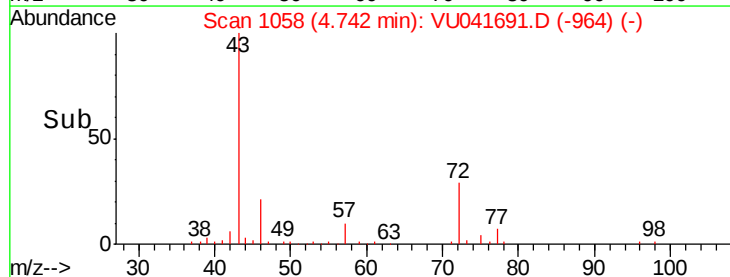
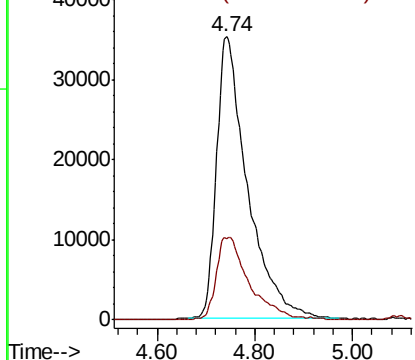


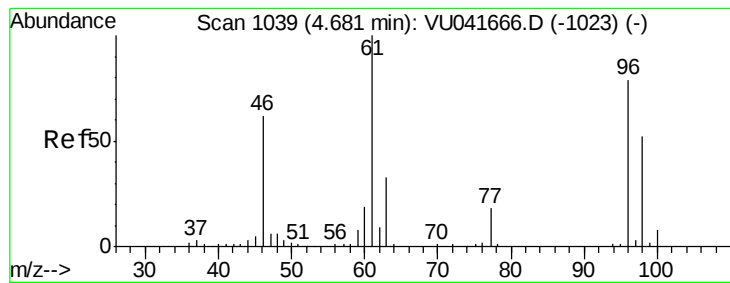
#21
 2-Butanone
 Concen: 51.833 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

Tgt Ion: 43 Resp: 154870
 Ion Ratio Lower Upper
 43 100
 72 31.2 14.6 44.0



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: 4.815 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

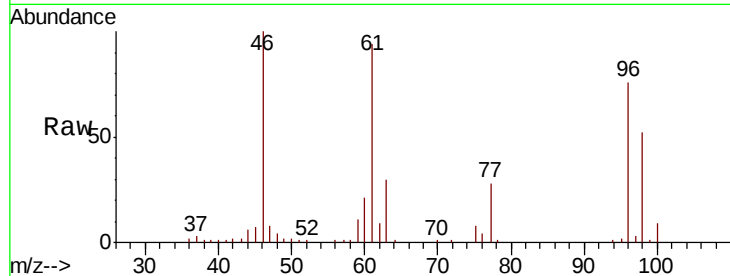
Tot Ion: 96 Resp: 47954

Ion Ratio Lower Upper

96 100

61 123.5 88.8 165.0

68 0.0 0.0 0.0

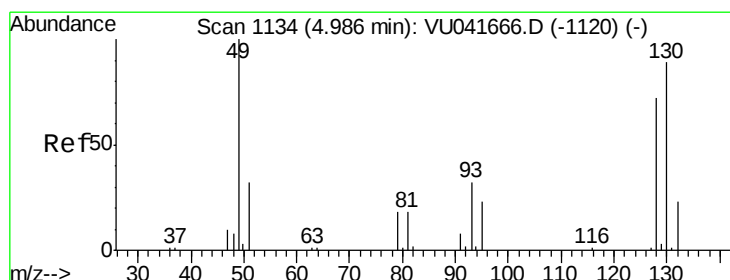
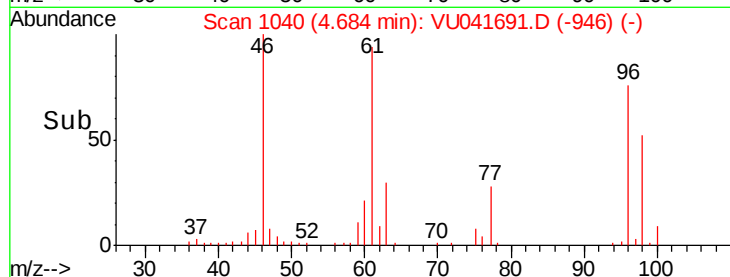
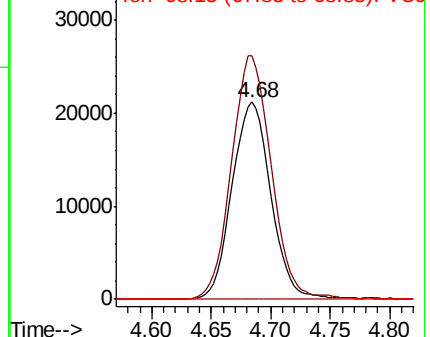


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.777 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

Tgt Ion:128 Resp: 26428

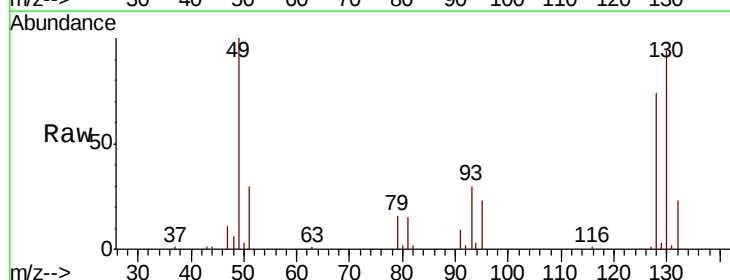
Ion Ratio Lower Upper

128 100

49 135.4 109.3 203.1

130 127.4 84.8 157.6

51 41.1 40.6 61.0



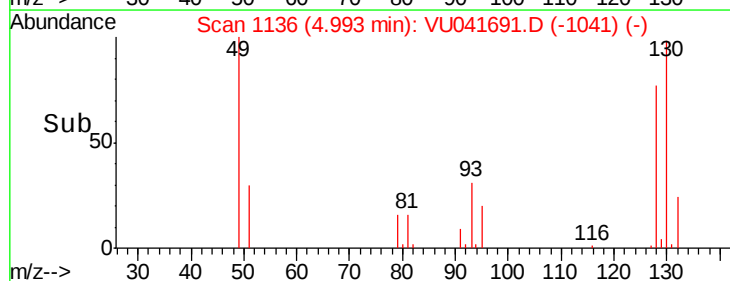
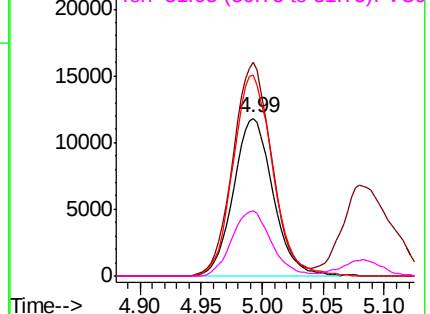
Abundance

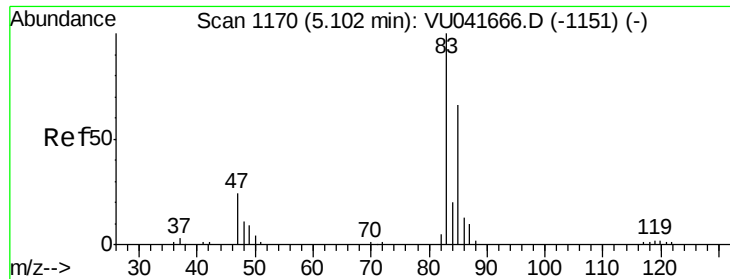
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

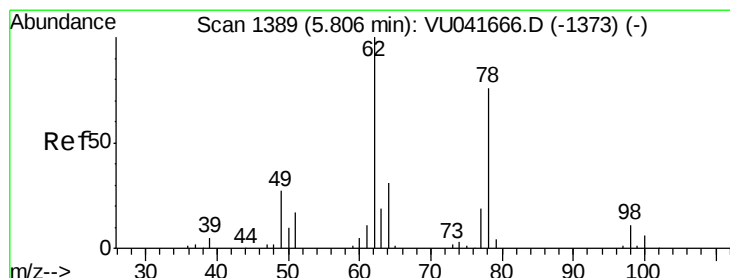
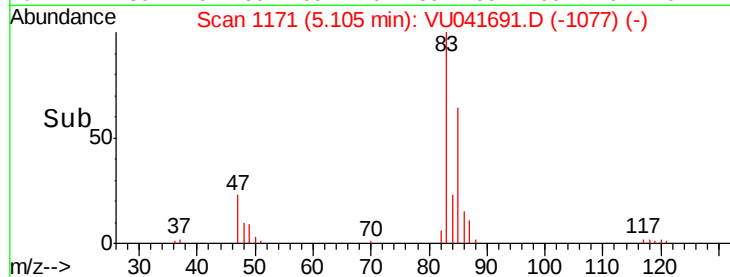
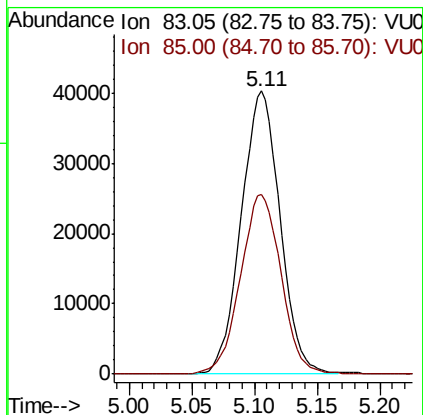
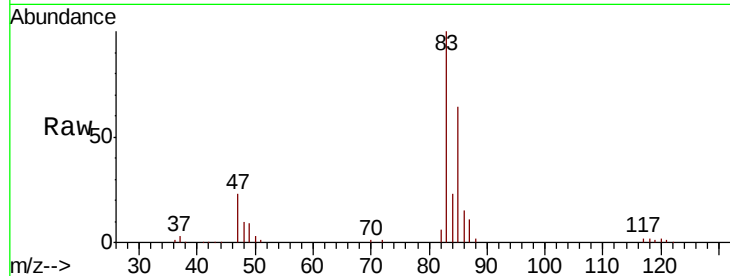




#25
Chloroform
Concen: 5.116 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041691.D
Acq: 18 Dec 2020 20:10

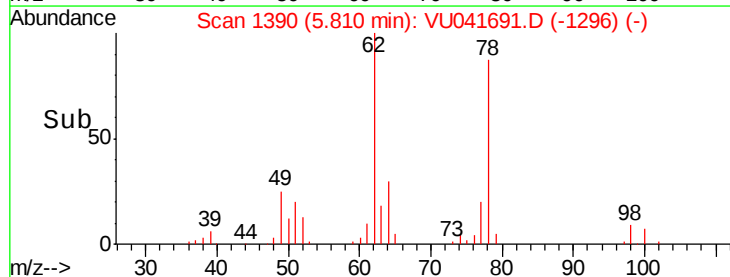
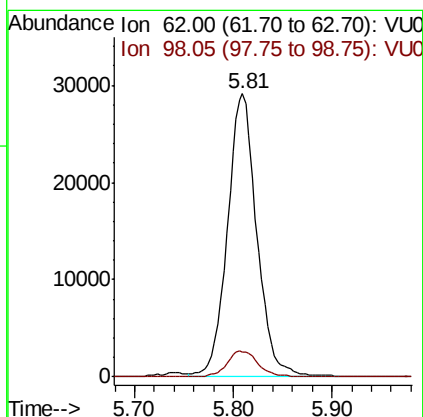
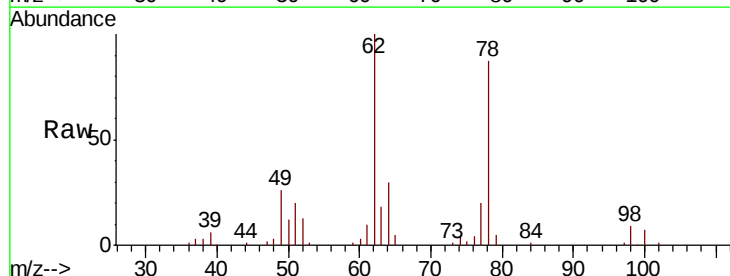
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

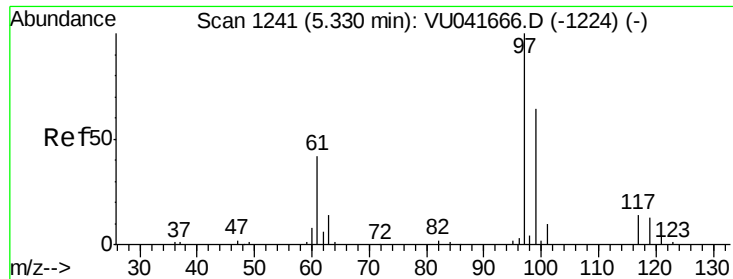
Tot Ion: 83 Resp: 86761
Ion Ratio Lower Upper
83 100
85 63.6 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.292 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041691.D
Acq: 18 Dec 2020 20:10

Tgt Ion: 62 Resp: 60781
Ion Ratio Lower Upper
62 100
98 9.0 8.2 12.2

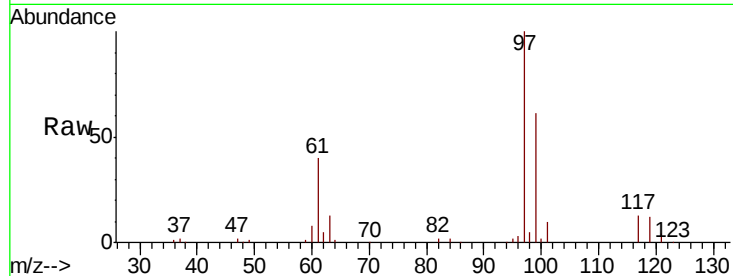




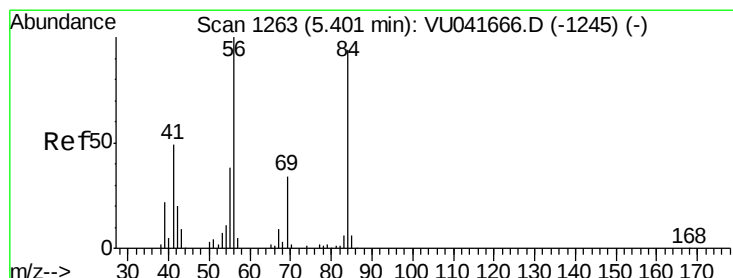
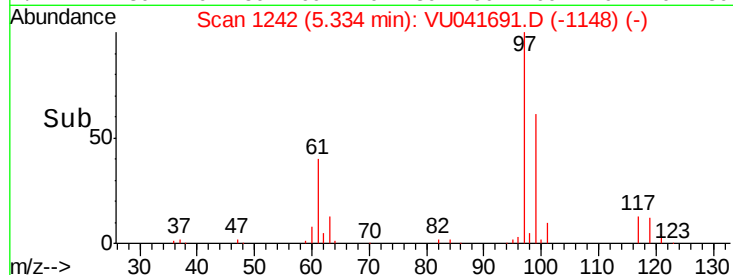
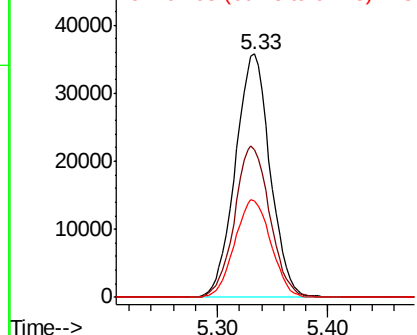
#29
 1,1,1-Trichloroethane
 Concen: 5.857 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion: 97 Resp: 78119
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.3 76.9
 61 41.6 36.5 54.7

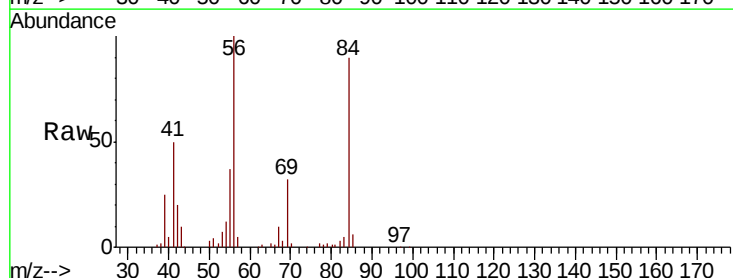


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

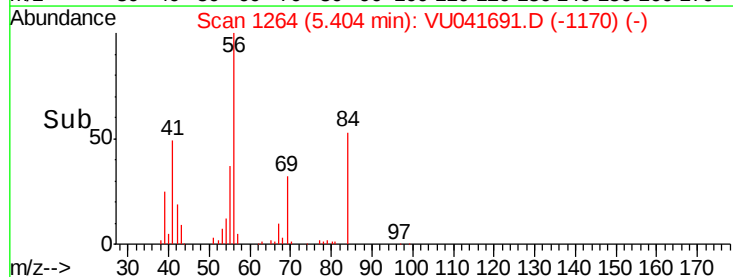
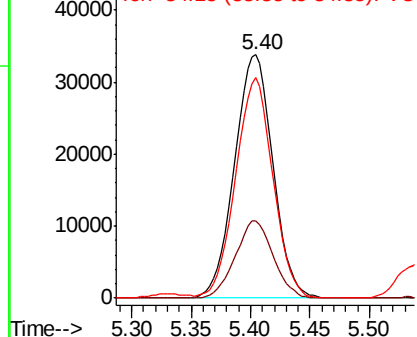


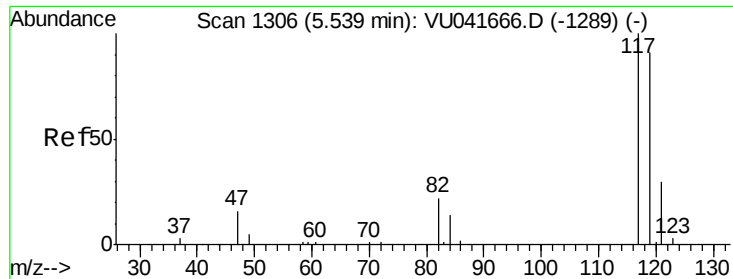
#30
 Cyclohexane
 Concen: 5.057 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

Tgt Ion: 56 Resp: 75588
 Ion Ratio Lower Upper
 56 100
 69 31.2 23.8 35.8
 84 88.1 66.2 99.4



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

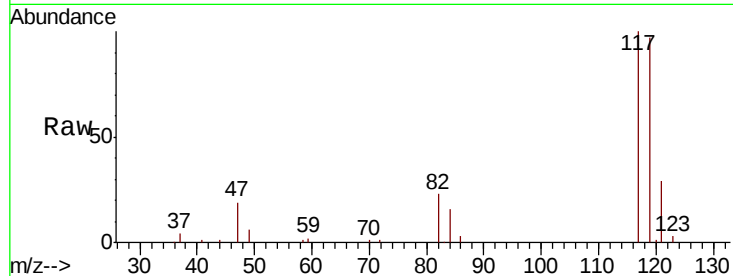




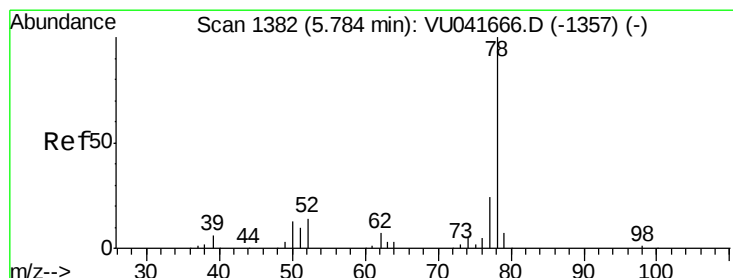
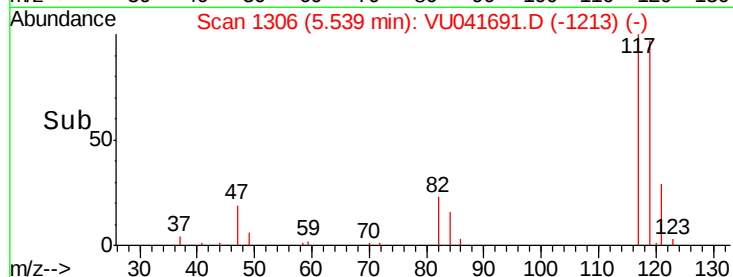
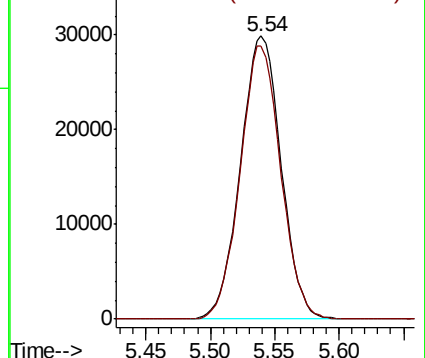
#31
Carbon tetrachloride
Concen: 5.681 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU041691.D
Acq: 18 Dec 2020 20:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

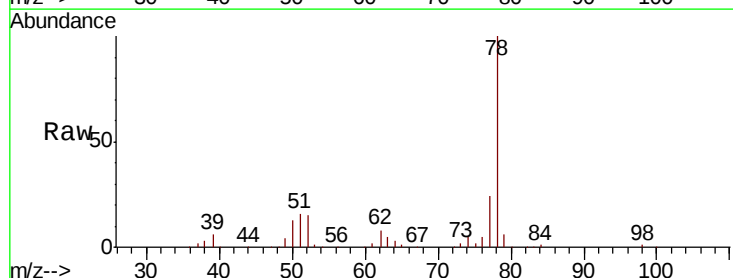
Tot Ion:117 Resp: 65508
Ion Ratio Lower Upper
117 100
119 96.4 76.2 114.2



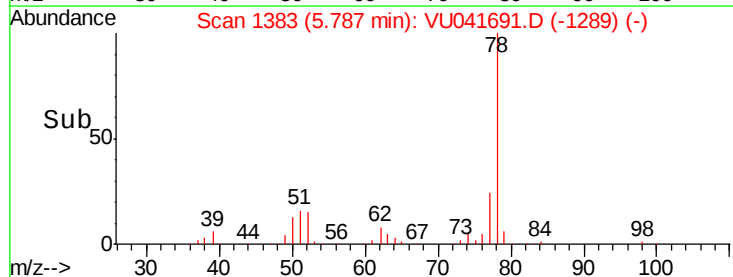
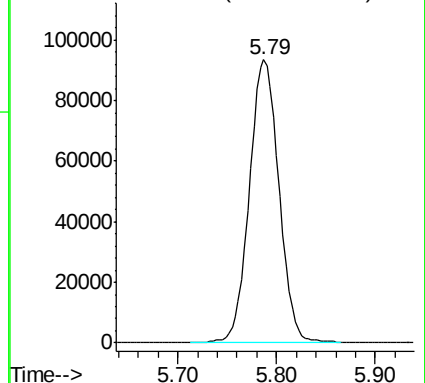
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

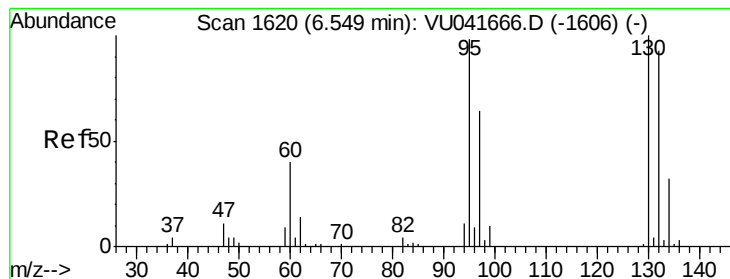


#33
Benzene
Concen: 5.205 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041691.D
Acq: 18 Dec 2020 20:10
Tgt Ion: 78 Resp: 193316



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.394 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tot Ion: 95 Resp: 50343

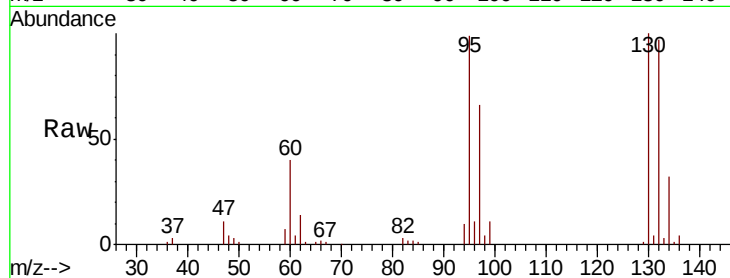
Ion Ratio Lower Upper

95 100

97 66.6 43.9 81.5

132 98.3 63.1 117.3

130 101.4 67.4 125.2

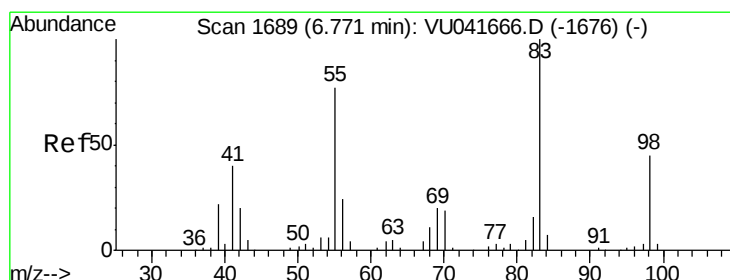
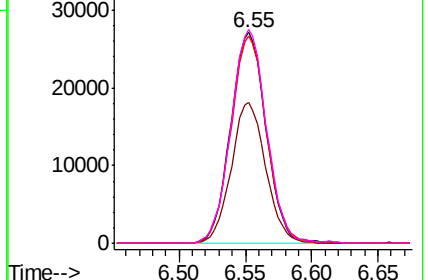
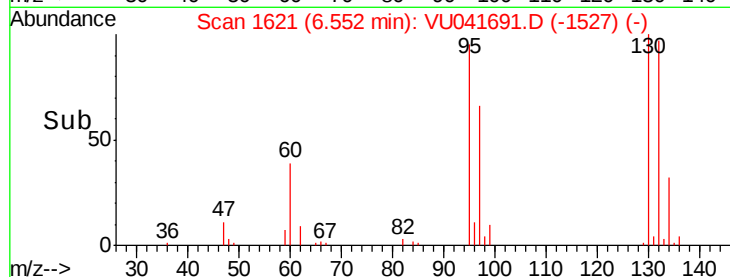


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.929 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

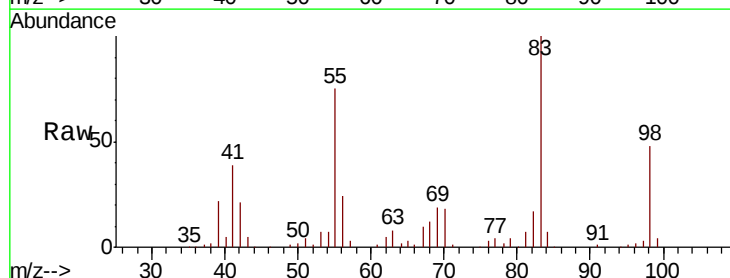
Tgt Ion: 83 Resp: 74359

Ion Ratio Lower Upper

83 100

55 76.0 61.2 91.8

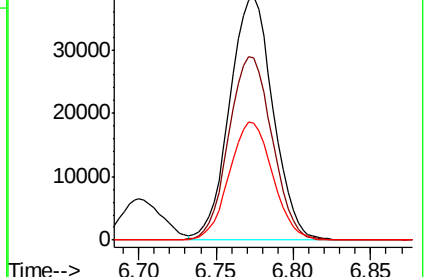
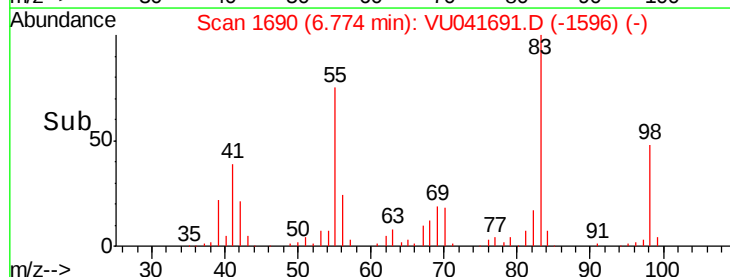
98 48.7 36.6 54.8

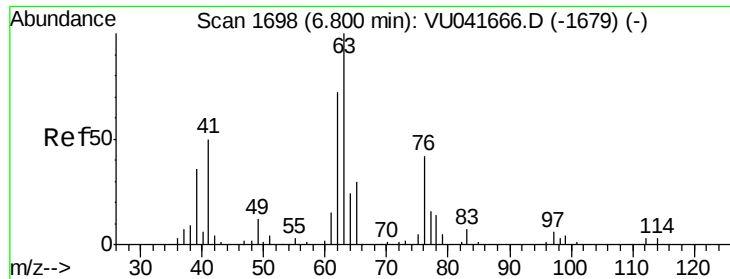


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

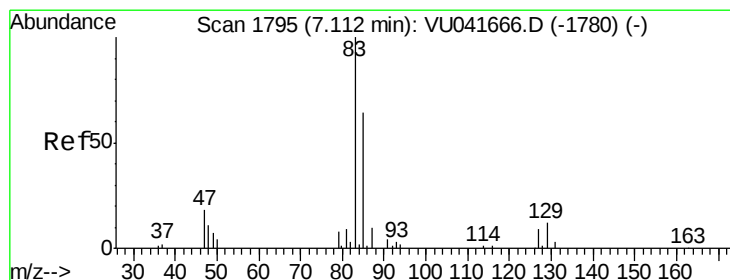
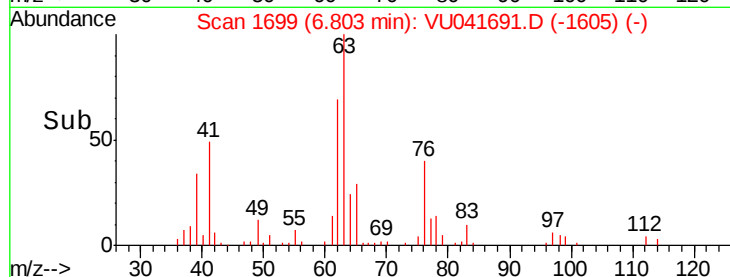
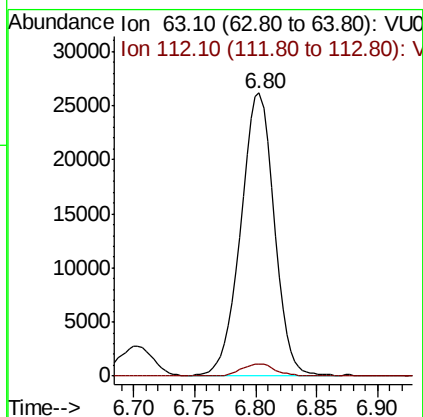
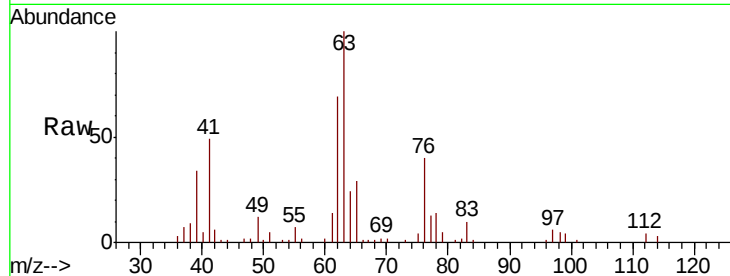




#37
 1,2-Dichloropropane
 Concen: 5.221 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

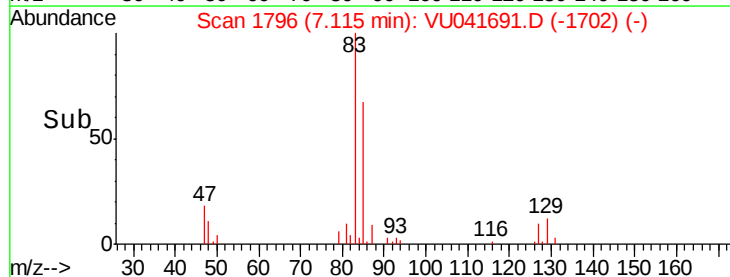
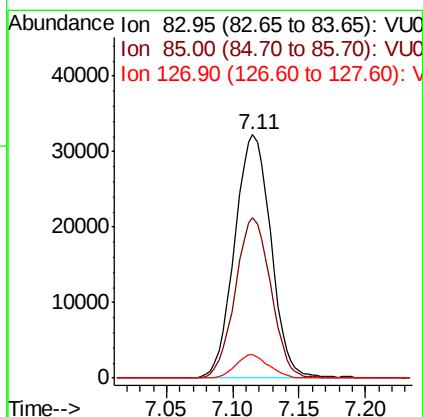
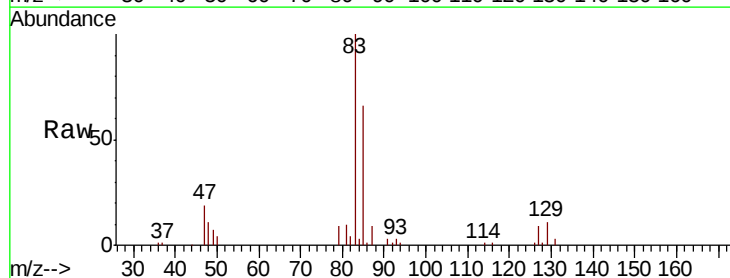
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

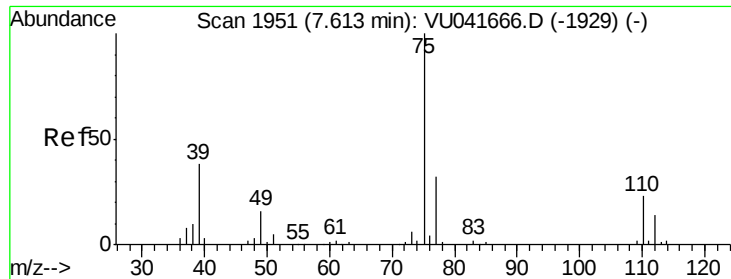
Tot Ion: 63 Resp: 49603
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.201 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

Tgt Ion: 83 Resp: 61476
 Ion Ratio Lower Upper
 83 100
 85 65.7 45.5 84.5
 127 9.4 7.0 10.6

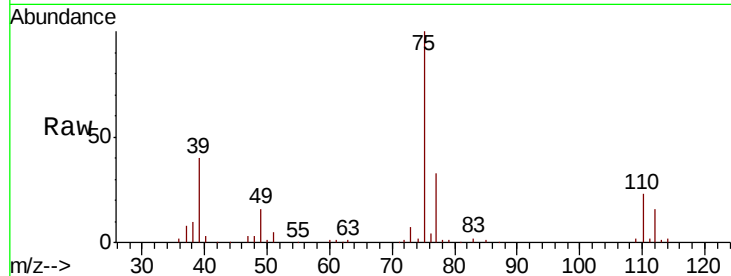




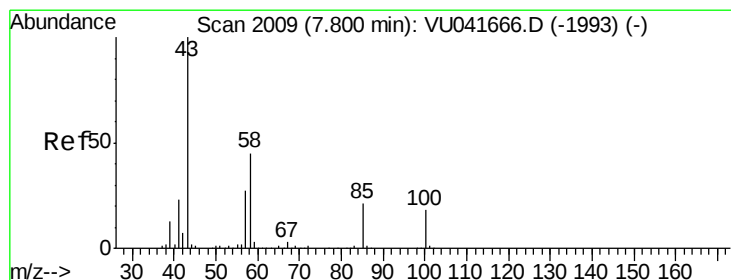
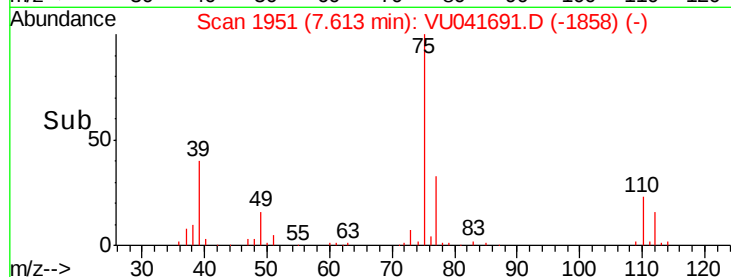
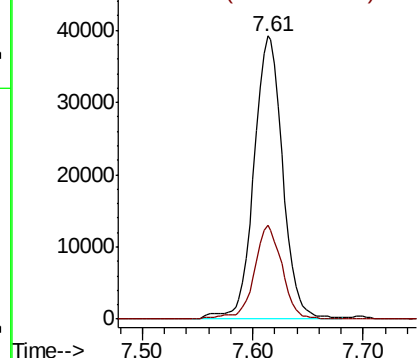
#39
 cis-1,3-Dichloropropene
 Concen: 5.036 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion: 75 Resp: 70888
 Ion Ratio Lower Upper
 75 100
 77 33.2 22.3 41.3

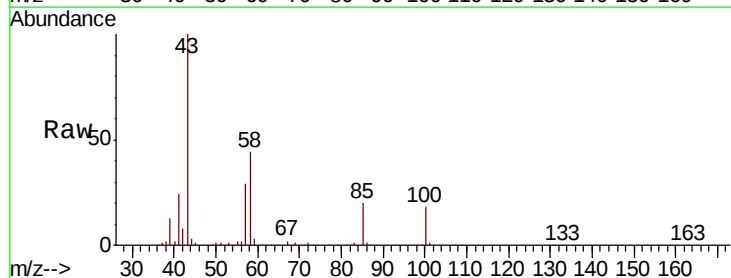


Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

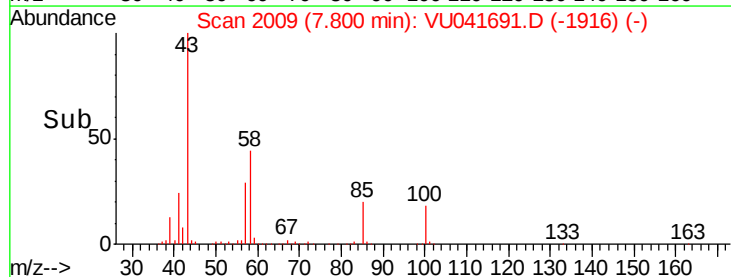
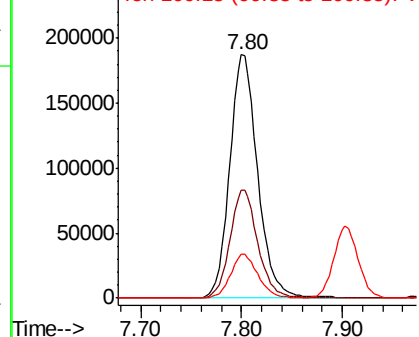


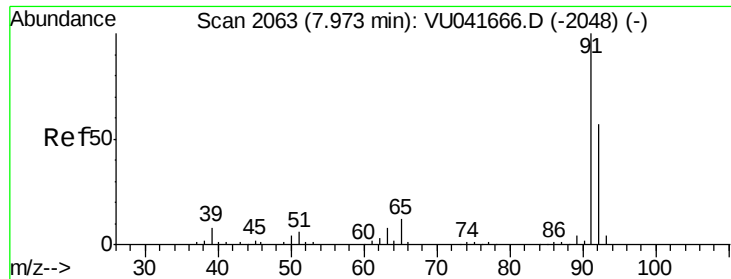
#40
 4-Methyl-2-pentanone
 Concen: 53.491 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

Tgt Ion: 43 Resp: 361603
 Ion Ratio Lower Upper
 43 100
 58 44.1 34.2 51.2
 100 17.7 12.3 18.5



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: 5.196 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

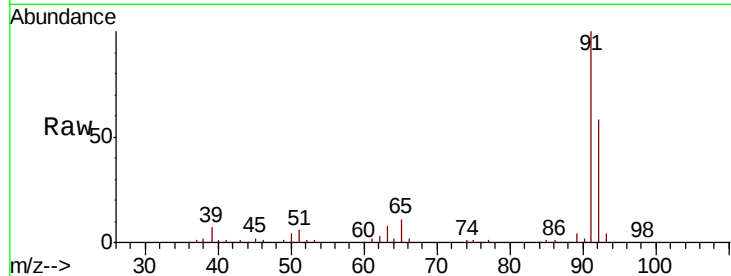
VSTD00520

Tot Ion: 91 Resp: 199252

Ion Ratio Lower Upper

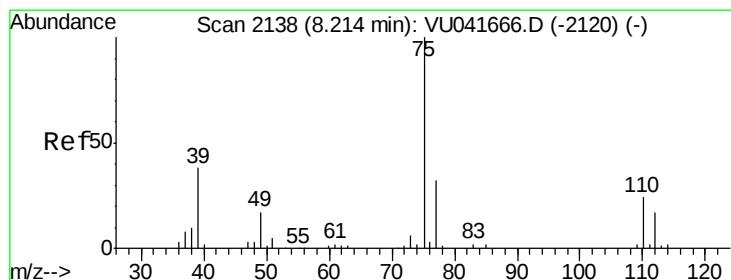
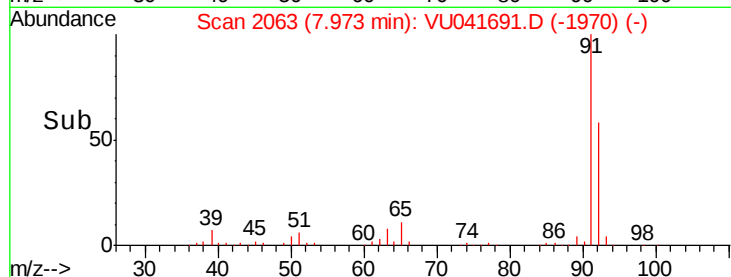
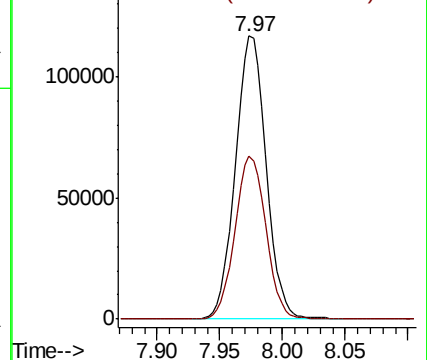
91 100

92 57.5 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.379 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041691.D

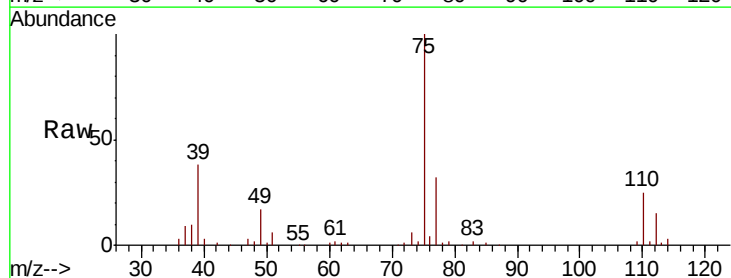
Acq: 18 Dec 2020 20:10

Tgt Ion: 75 Resp: 67709

Ion Ratio Lower Upper

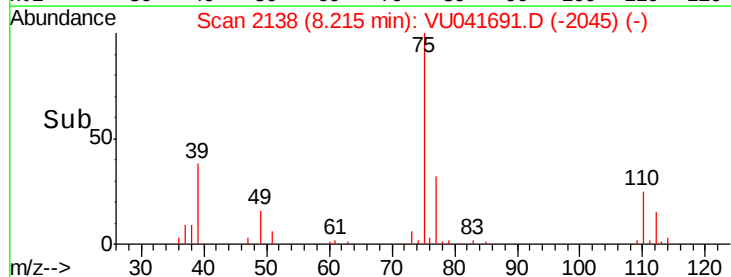
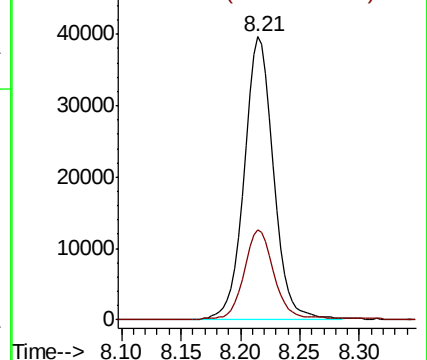
75 100

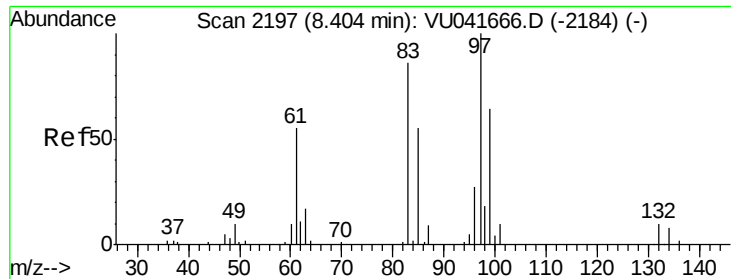
77 31.9 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

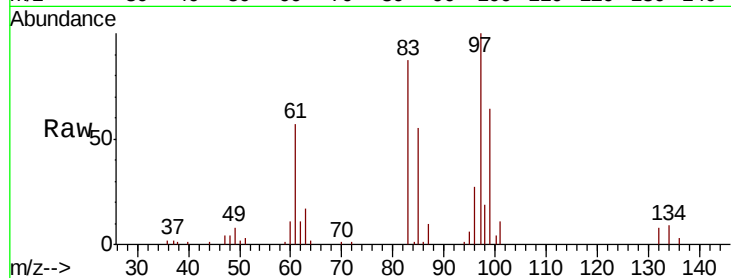




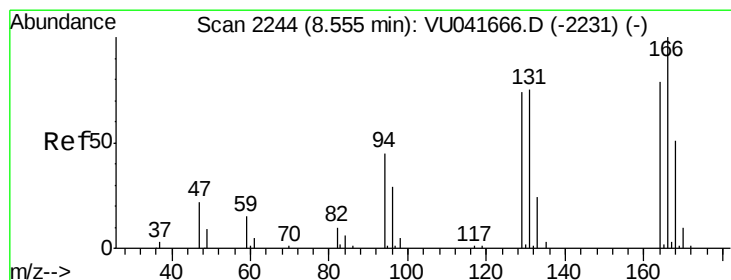
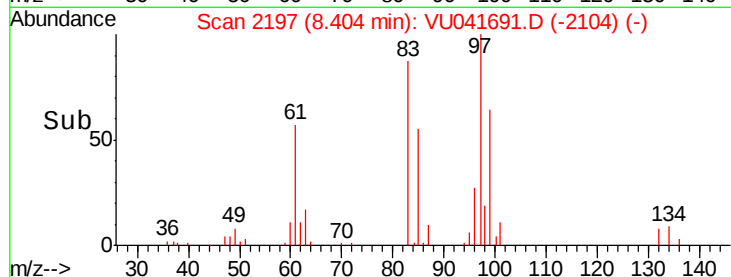
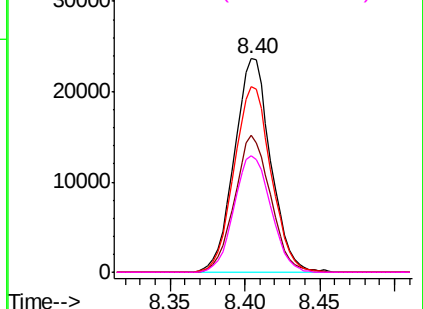
#45
 1,1,2-Trichloroethane
 Concen: 5.709 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion:	97	Resp:	40107
Ion	Ratio	Lower	Upper
97	100		
99	64.1	42.1	78.3
83	86.8	62.6	116.2
85	54.8	39.1	72.7

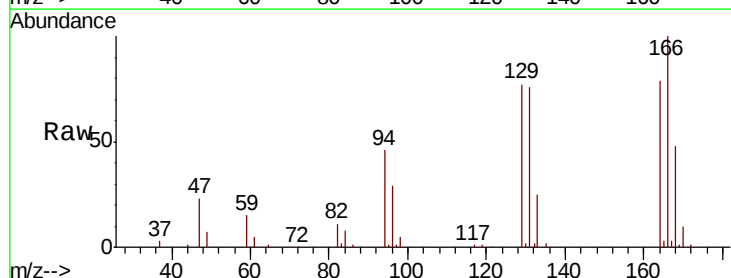


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

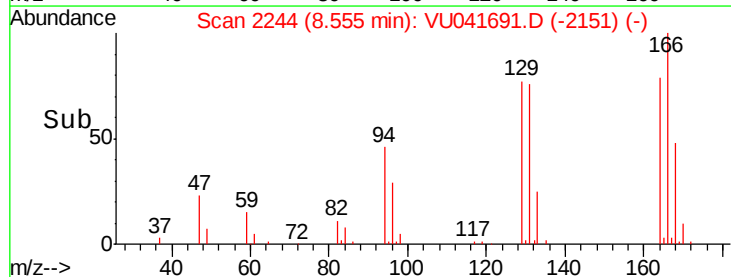
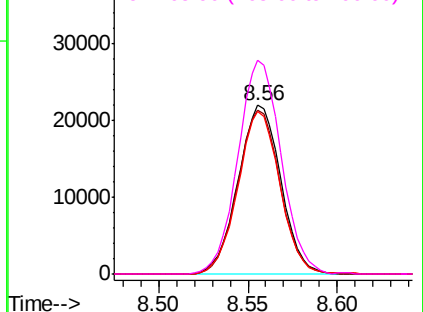


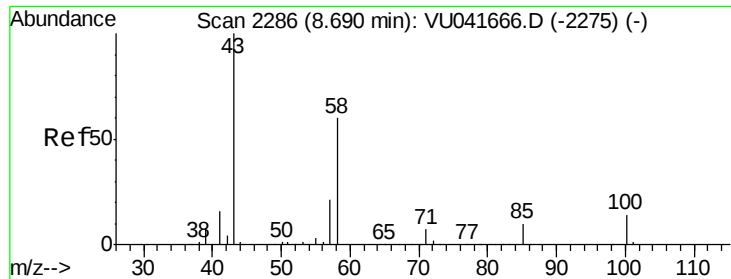
#47
 Tetrachloroethene
 Concen: 5.630 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

Tgt Ion:	164	Resp:	36784
Ion	Ratio	Lower	Upper
164	100		
129	97.1	72.2	134.0
131	96.7	66.9	124.3
166	126.7	89.6	166.4



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

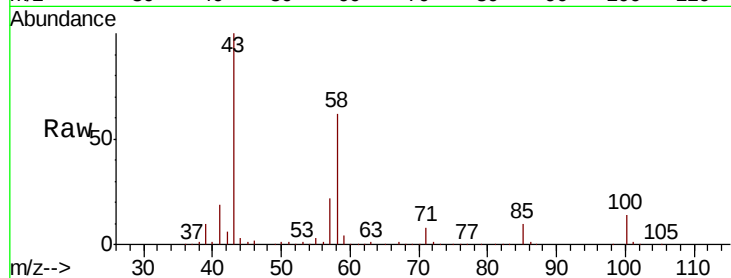




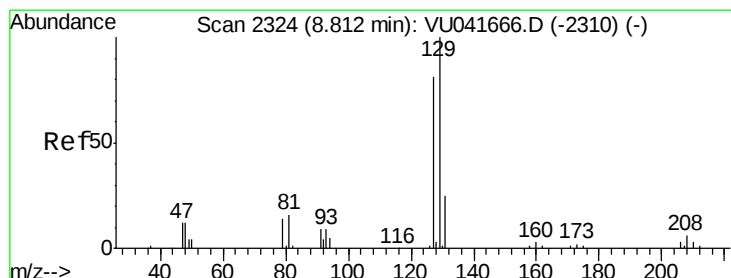
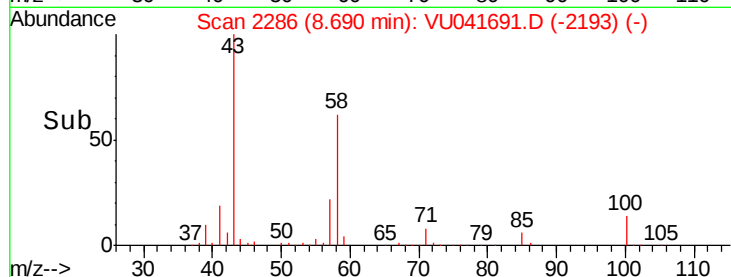
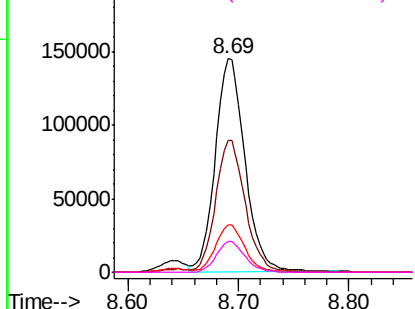
#48
2-Hexanone
Concen: 54.999 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041691.D
Acq: 18 Dec 2020 20:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion: 43 Resp: 270581
Ion Ratio Lower Upper
43 100
58 62.1 47.9 71.9
57 21.8 16.5 24.7
100 13.8 9.4 14.2

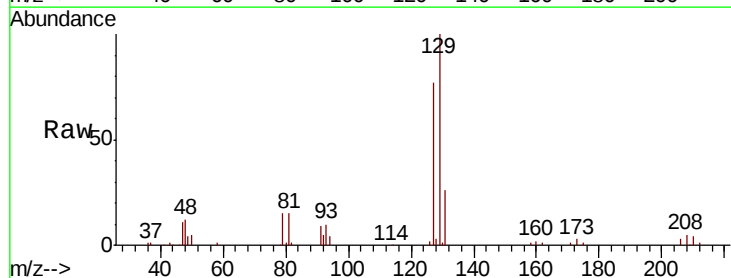


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

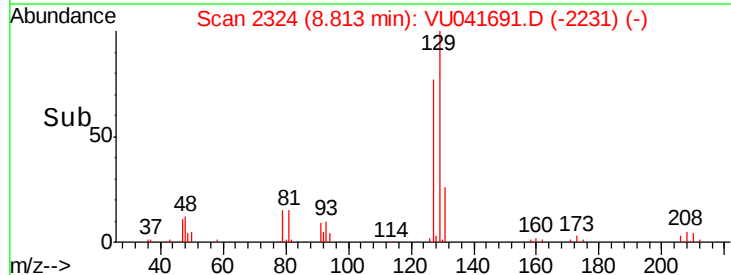
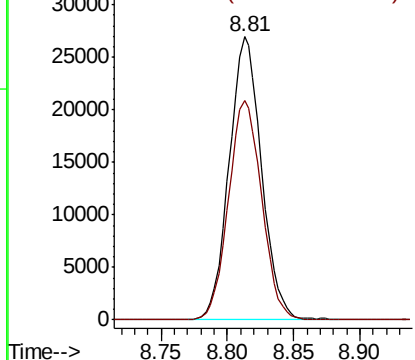


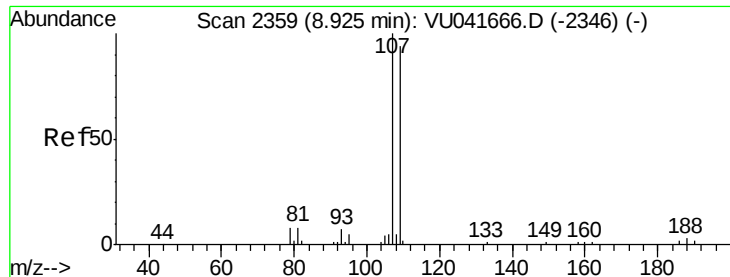
#49
Dibromochloromethane
Concen: 5.665 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041691.D
Acq: 18 Dec 2020 20:10

Tgt Ion: 129 Resp: 45715
Ion Ratio Lower Upper
129 100
127 77.3 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

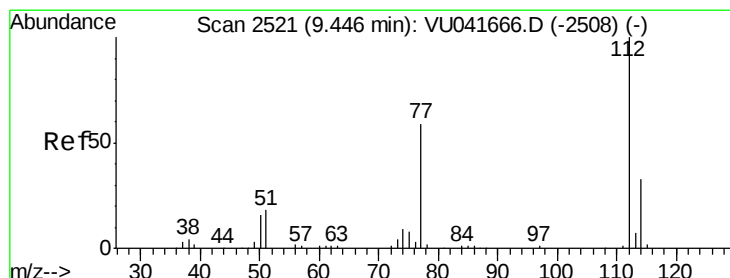
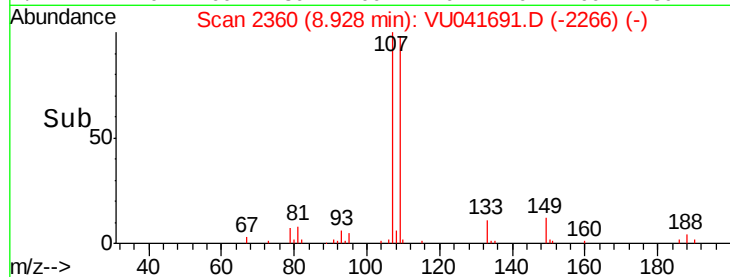
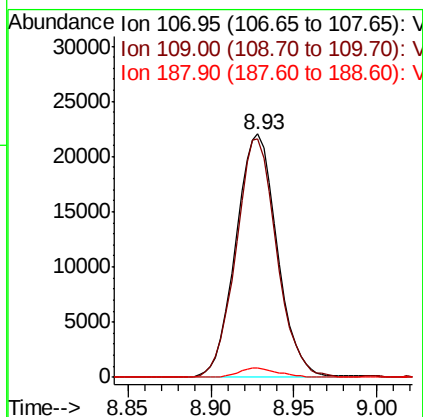
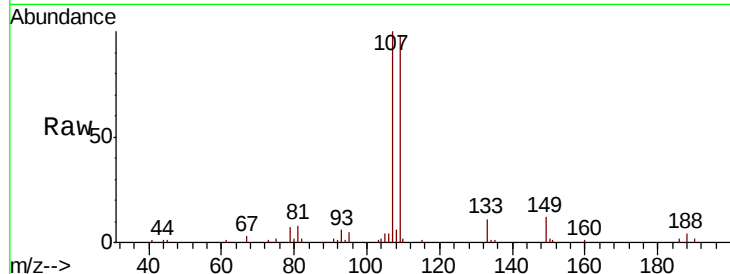




#50
 1,2-Dibromoethane
 Concen: 5.499 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

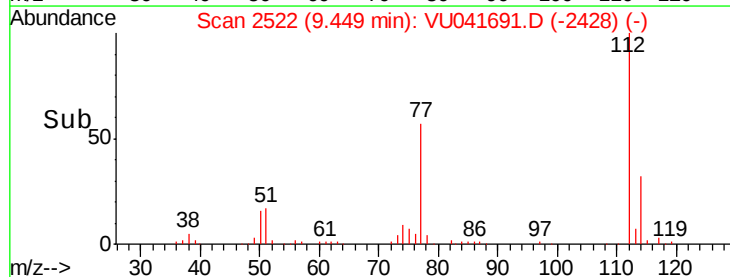
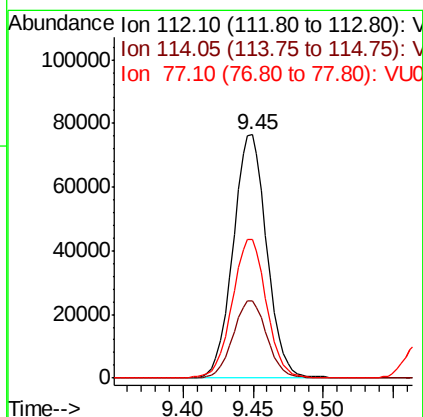
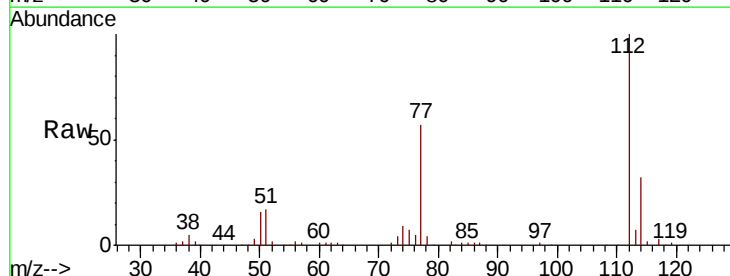
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

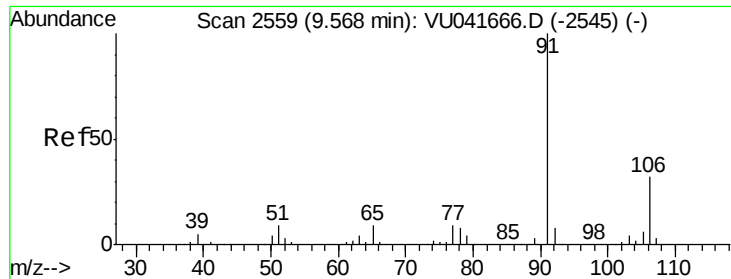
Tot Ion:107 Resp: 38214
 Ion Ratio Lower Upper
 107 100
 109 98.0 65.6 121.8
 188 3.8 2.6 4.0



#51
 Chlorobenzene
 Concen: 5.353 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

Tgt Ion:112 Resp: 127596
 Ion Ratio Lower Upper
 112 100
 114 31.5 22.7 42.3
 77 57.1 49.1 73.7





#52

Ethylbenzene

Concen: 5.086 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

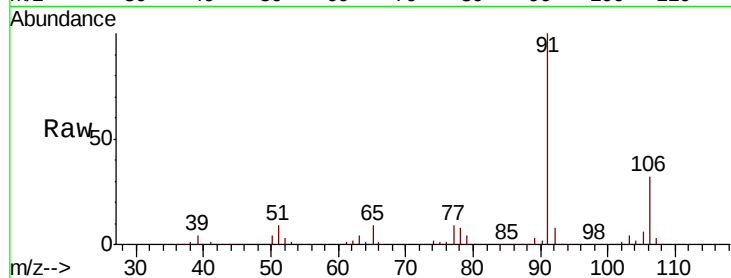
VSTD00520

Tot Ion: 91 Resp: 207677

Ion Ratio Lower Upper

91 100

106 32.2 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041691.D (-2560) (-)

Ion 106.15 (105.85 to 106.85): VU041691.D (-2560) (-)

150000

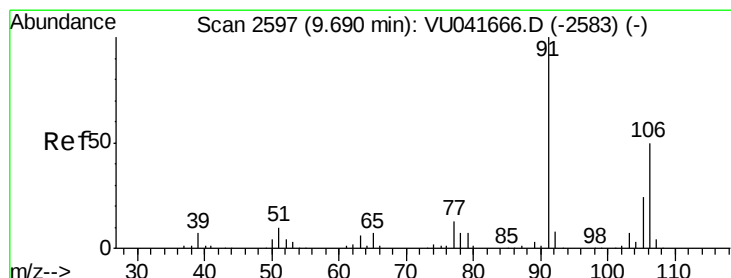
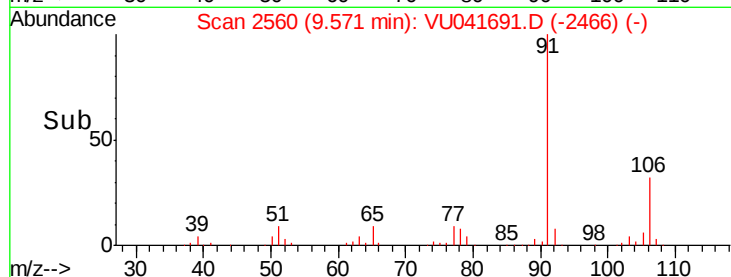
100000

50000

0

9.50 9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 5.419 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041691.D

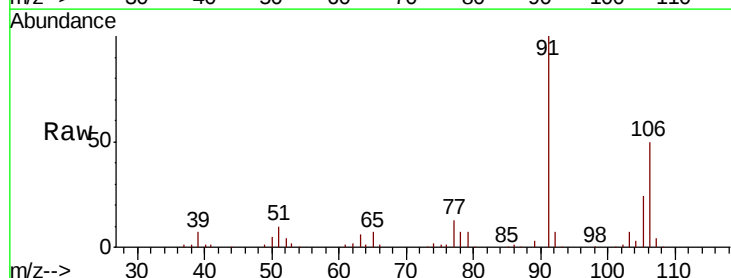
Acq: 18 Dec 2020 20:10

Tgt Ion: 106 Resp: 82518

Ion Ratio Lower Upper

106 100

91 199.8 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041691.D (-2598) (-)

Ion 91.15 (90.85 to 91.85): VU041691.D (-2598) (-)

100000

80000

60000

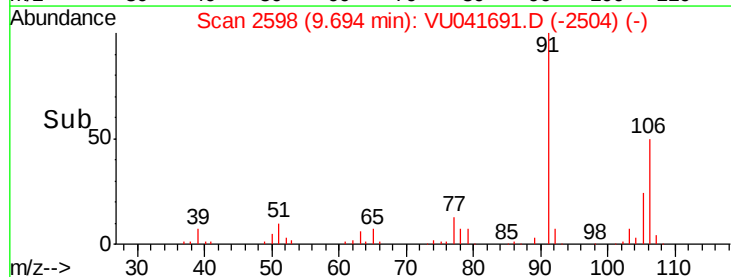
40000

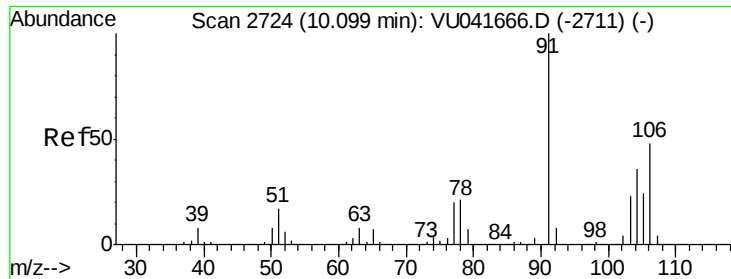
20000

0

9.65 9.70 9.75

Time-->

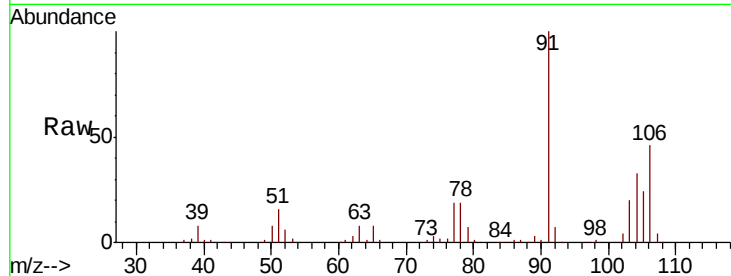




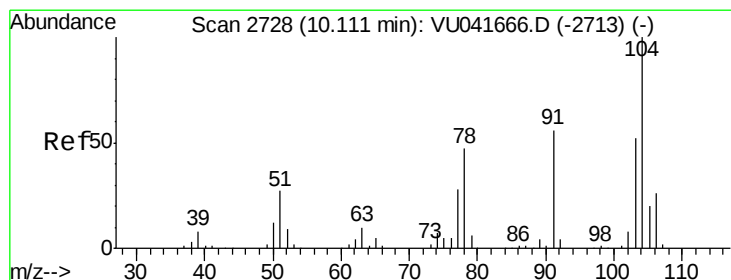
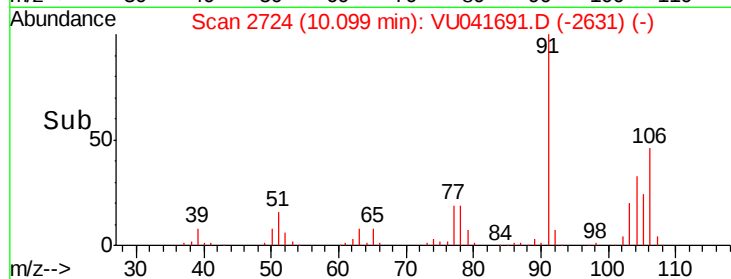
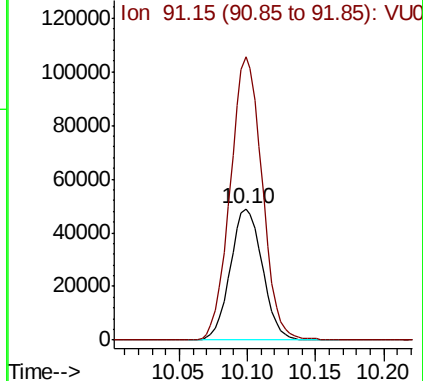
#54
o-Xylene
Concen: 5.371 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041691.D
Acq: 18 Dec 2020 20:10

Instrument :
MSVOA_U
ClientSampled :
VSTD00520

Tot Ion:106 Resp: 80108
Ion Ratio Lower Upper
106 100
91 215.6 151.3 281.1

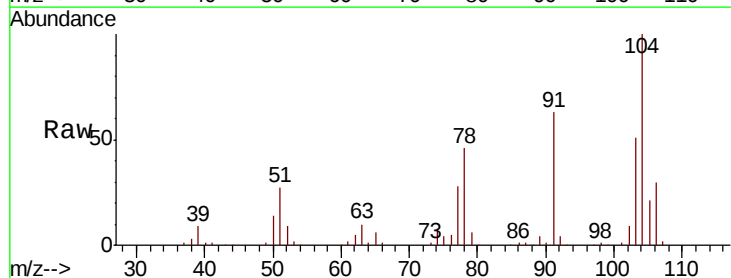


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

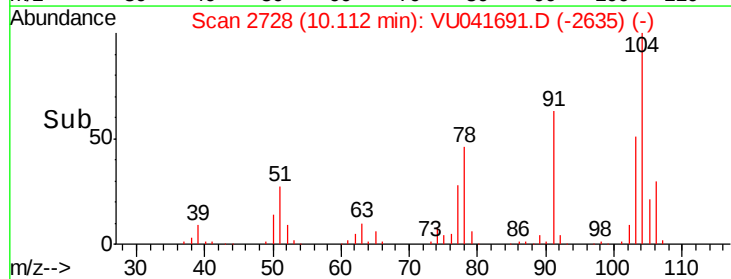
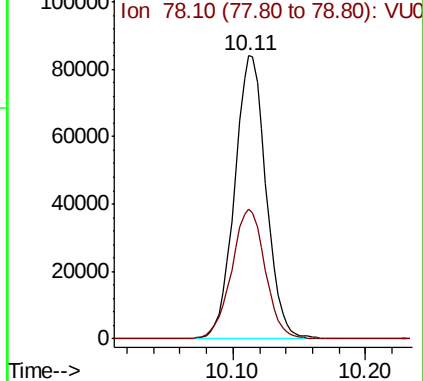


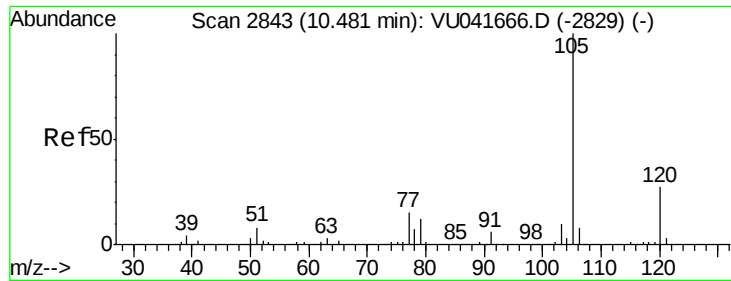
#55
Styrene
Concen: 5.357 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. 0.00 min
Lab File: VU041691.D
Acq: 18 Dec 2020 20:10

Tgt Ion:104 Resp: 138029
Ion Ratio Lower Upper
104 100
78 45.9 31.1 57.9



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





#56

Isopropylbenzene

Concen: 5.570 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

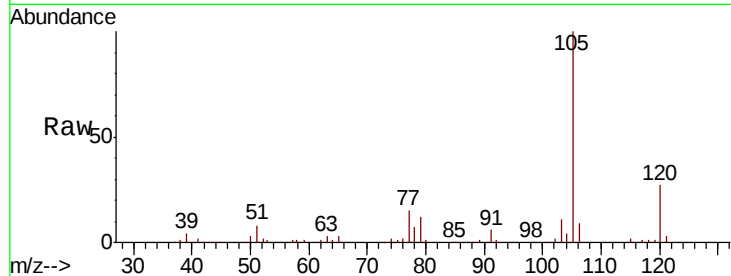
Tot Ion:105 Resp: 221140

Ion Ratio Lower Upper

105 100

120 26.4 20.5 30.7

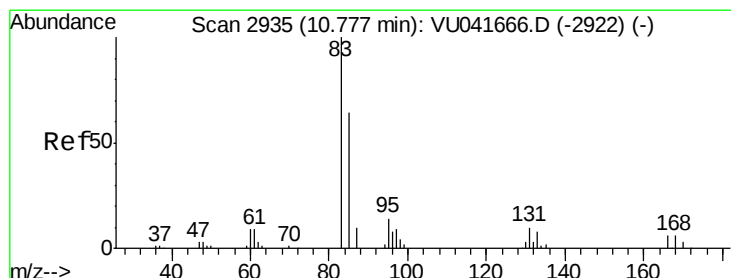
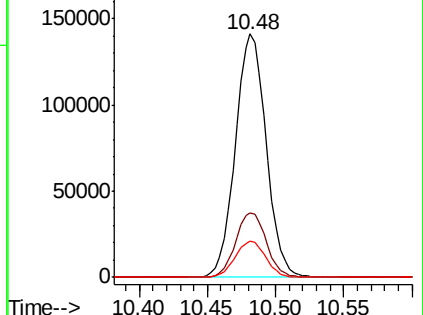
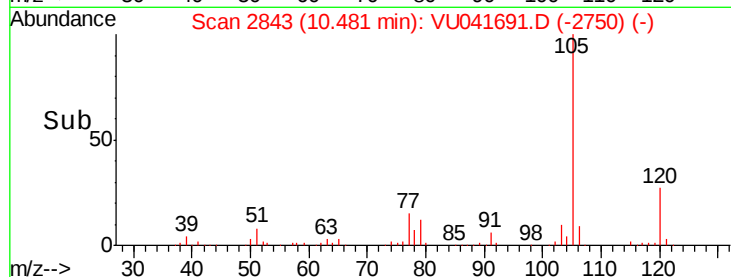
77 14.8 12.7 19.1



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: 5.915 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

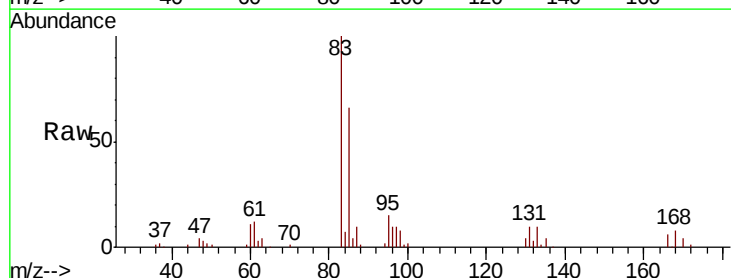
Tgt Ion: 83 Resp: 57823

Ion Ratio Lower Upper

83 100

85 65.9 46.1 85.7

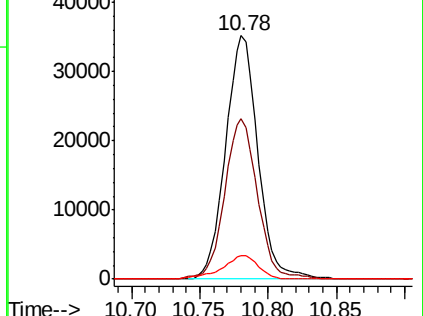
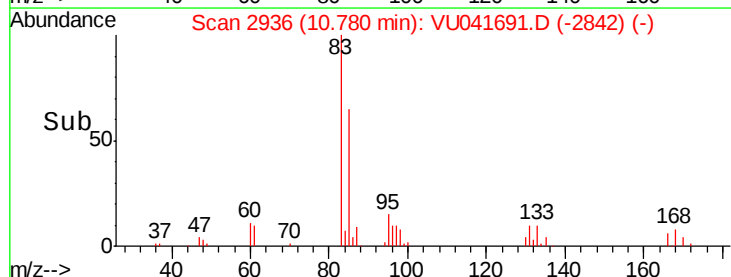
131 9.9 7.8 11.6

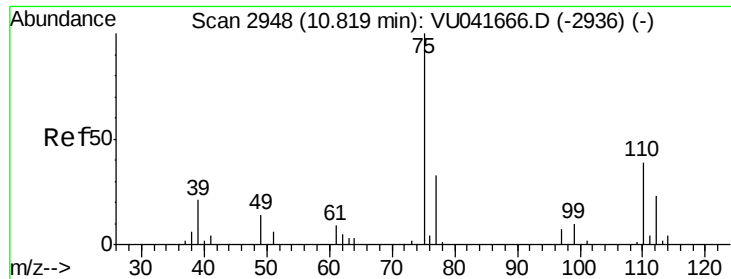


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

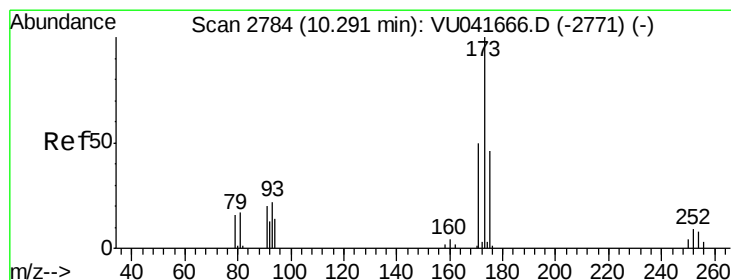
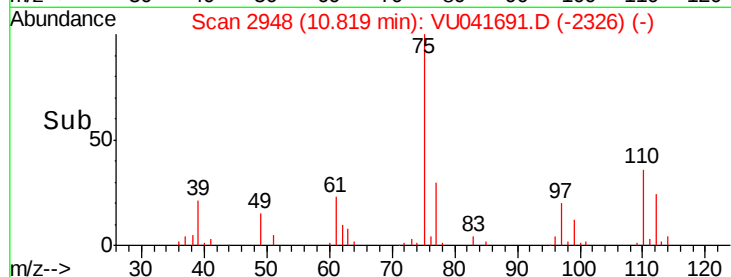
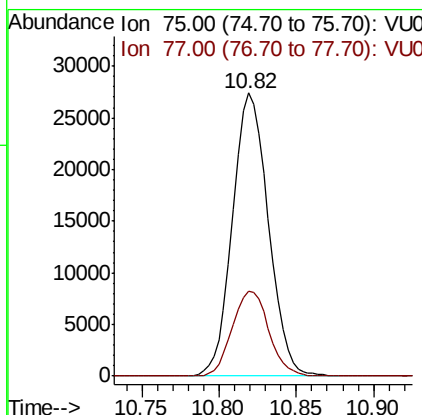
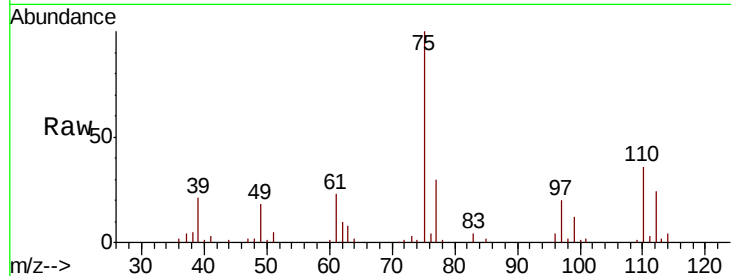




#59
 1,2,3-Trichloropropane
 Concen: 6.182 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

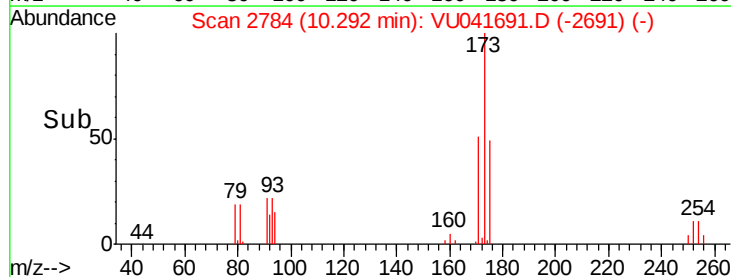
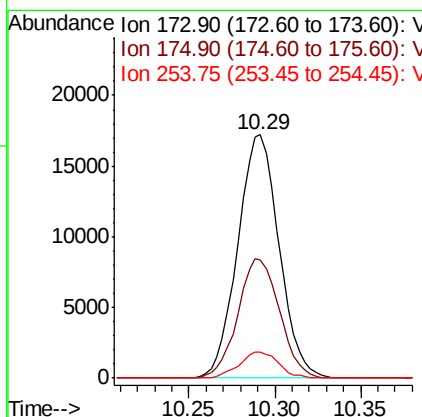
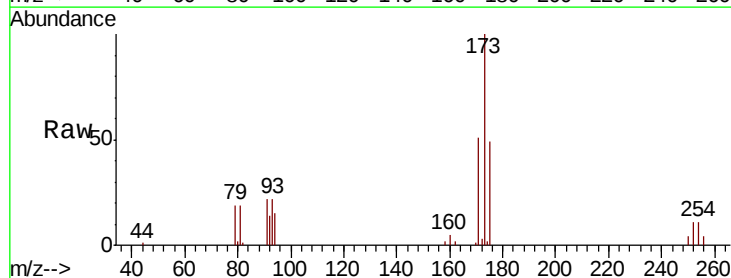
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

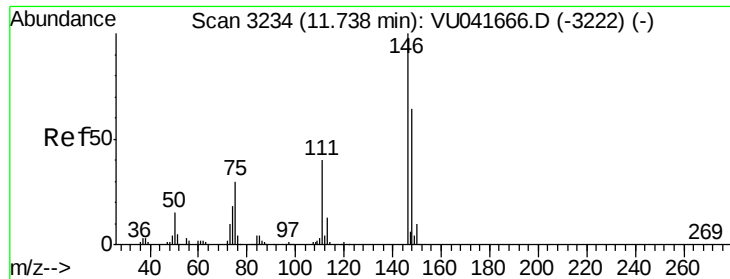
Tot Ion: 75 Resp: 44108
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.2 39.2



#61
 Bromoform
 Concen: 5.848 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

Tgt Ion: 173 Resp: 28731
 Ion Ratio Lower Upper
 173 100
 175 49.2 37.3 55.9
 254 10.2 7.4 11.2

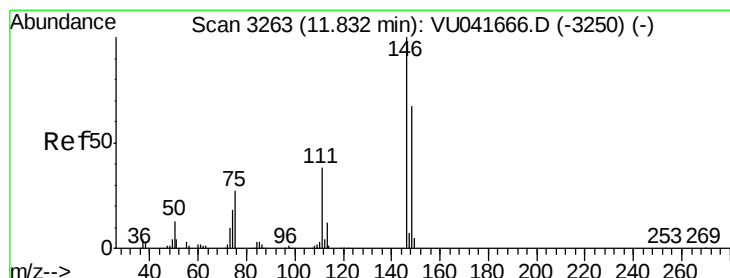
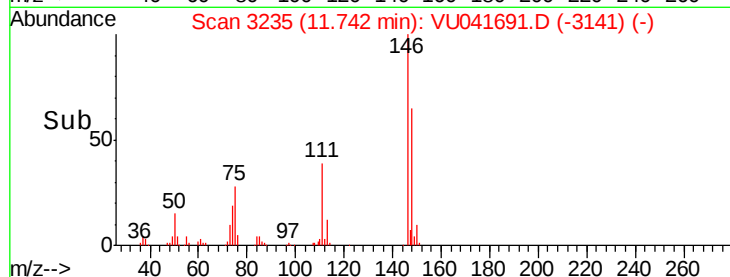
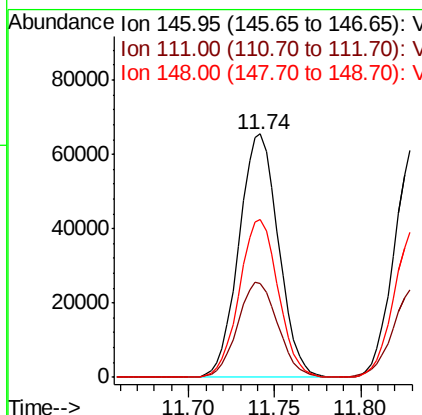
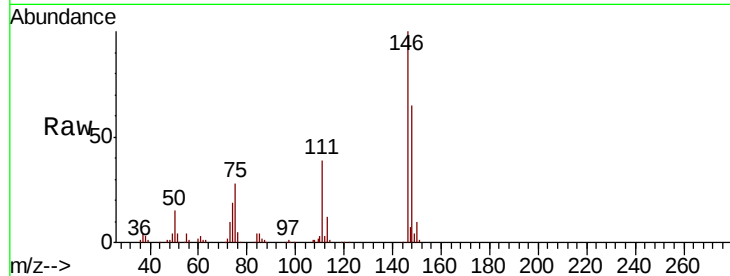




#62
 1,3-Dichlorobenzene
 Concen: 5.249 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

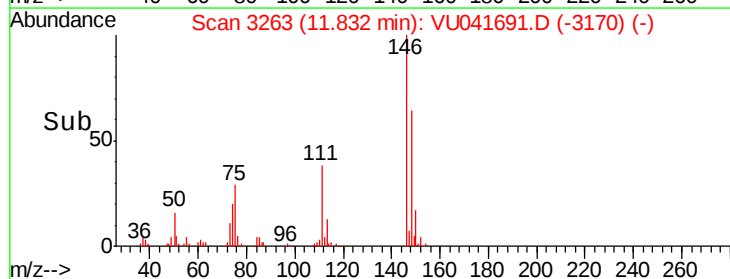
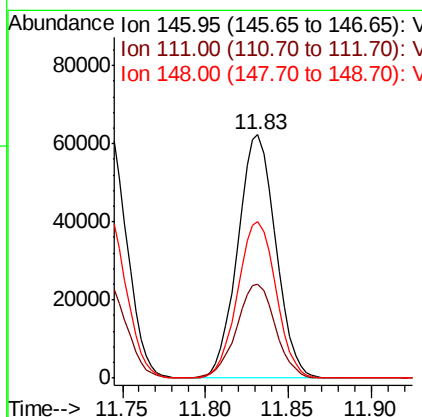
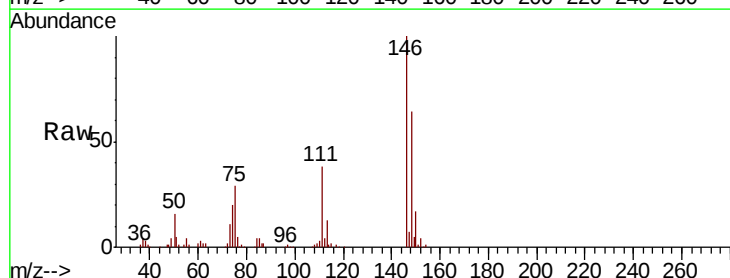
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

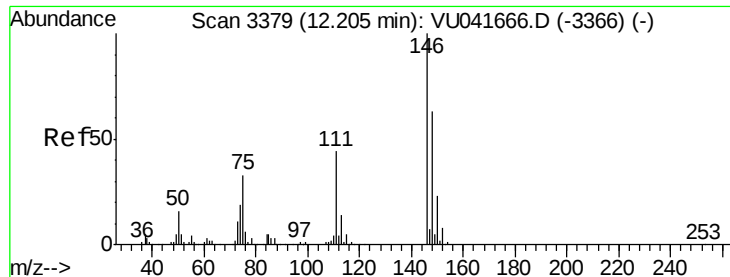
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	30.0	55.8
148	64.8	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 4.973 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	27.9	51.9
148	64.3	45.0	83.6

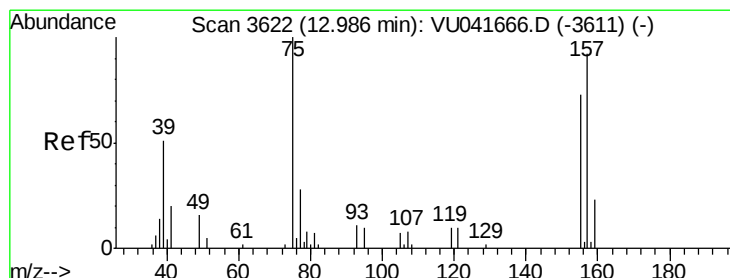
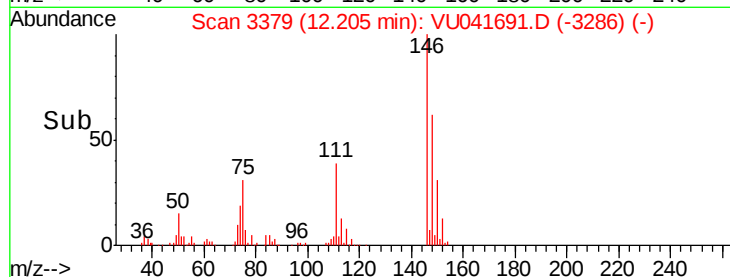
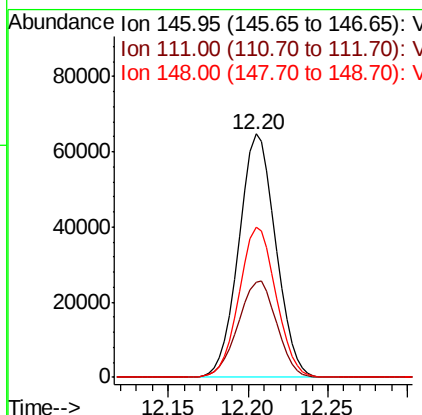
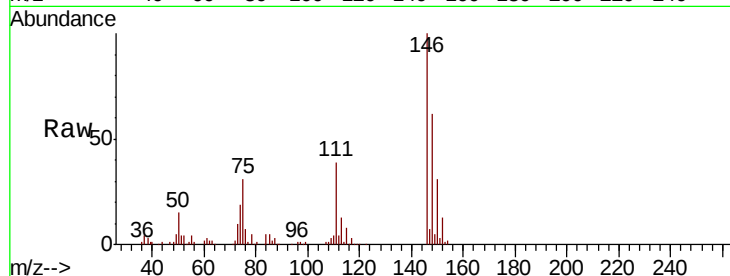




#65
 1,2-Dichlorobenzene
 Concen: 5.224 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

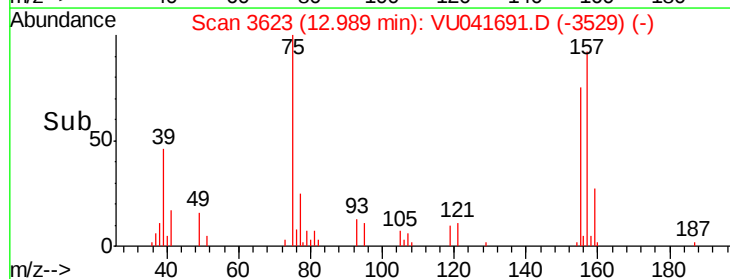
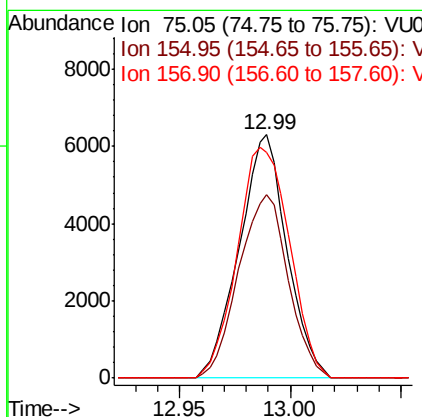
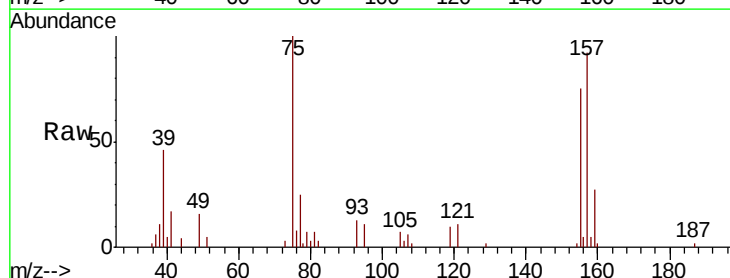
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

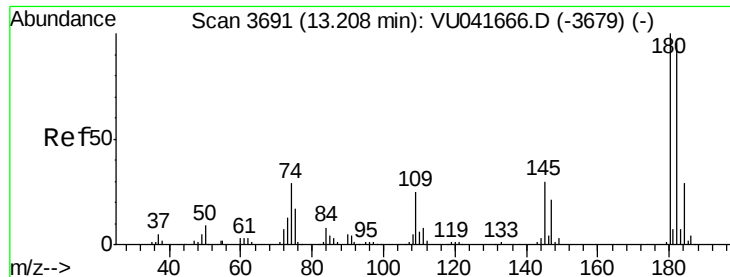
Tot Ion:146 Resp: 101679
 Ion Ratio Lower Upper
 146 100
 111 39.1 35.0 52.6
 148 61.6 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.183 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

Tgt Ion: 75 Resp: 9461
 Ion Ratio Lower Upper
 75 100
 155 75.5 57.4 86.0
 157 92.4 72.4 108.6

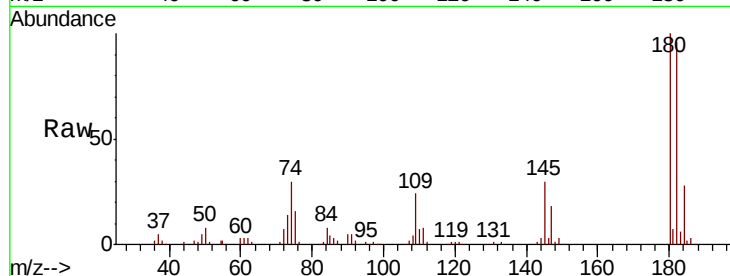




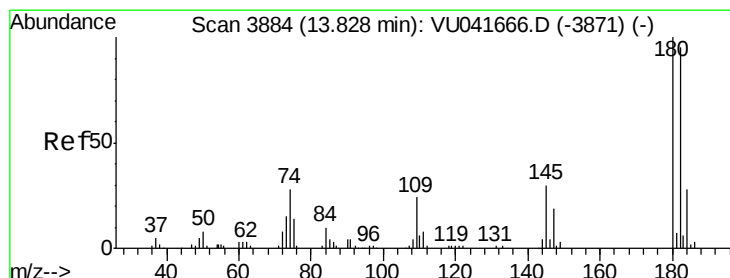
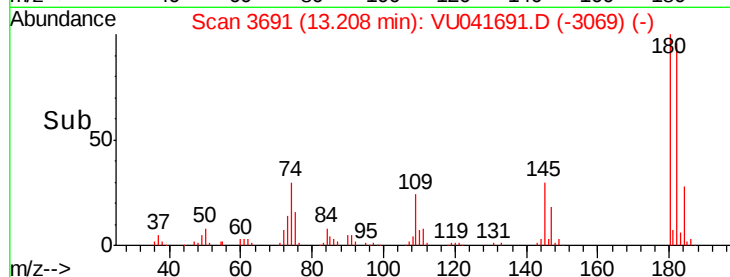
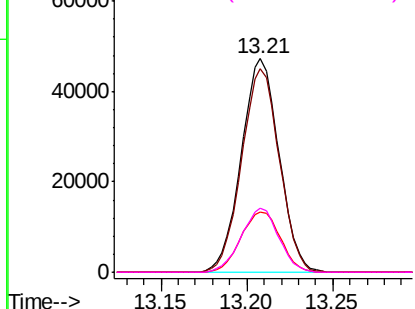
#67
 1,3,5-Trichlorobenzene
 Concen: 4.762 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion:180 Resp: 71853
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.3 114.5
 184 29.6 24.1 36.1
 145 29.8 24.1 36.1

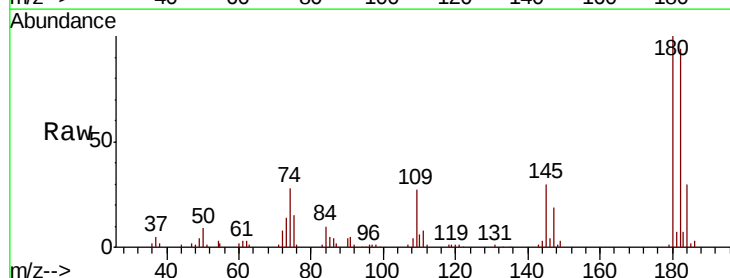


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

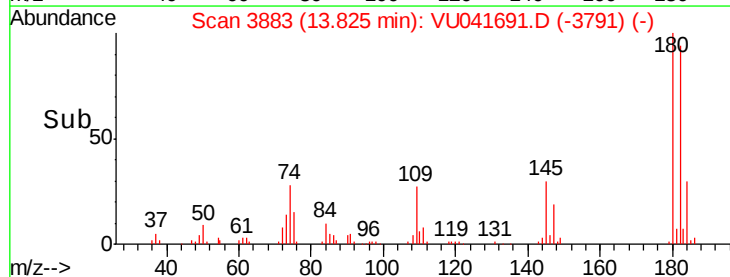
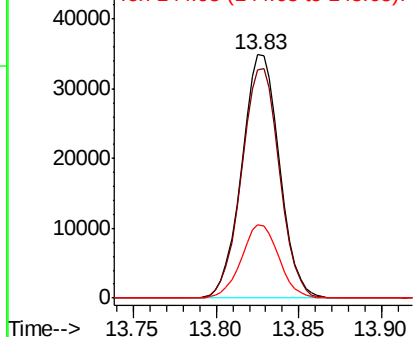


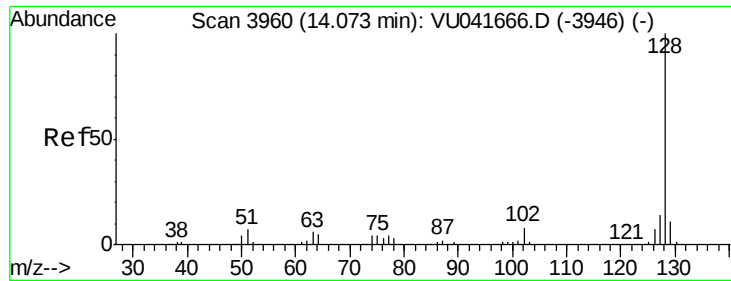
#68
 1,2,4-trichlorobenzene
 Concen: 4.371 ug/L
 RT: 13.83 min Scan# 3883
 Delta R.T. -0.00 min
 Lab File: VU041691.D
 Acq: 18 Dec 2020 20:10

Tgt Ion:180 Resp: 55348
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.4 113.0
 145 29.8 24.5 36.7



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





#69

Naphthalene

Concen: 4.217 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

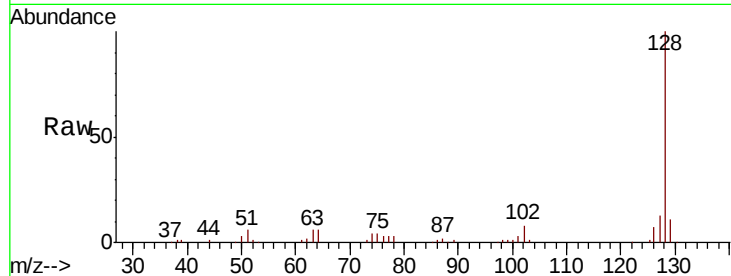
Tot Ion:128 Resp: 110542

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

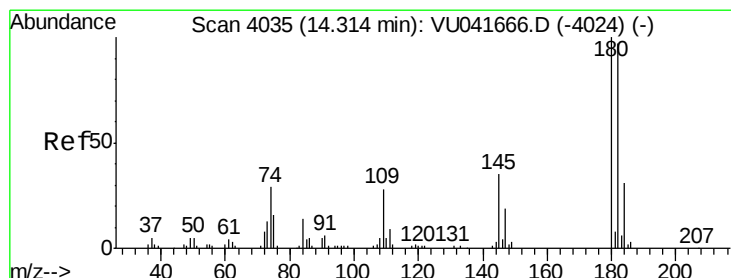
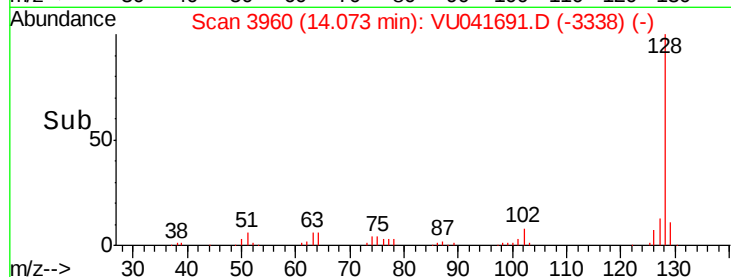
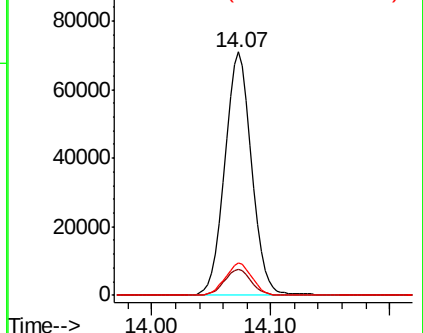
127 13.2 10.2 15.4



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: 4.362 ug/L

RT: 14.31 min Scan# 4035

Delta R.T. 0.00 min

Lab File: VU041691.D

Acq: 18 Dec 2020 20:10

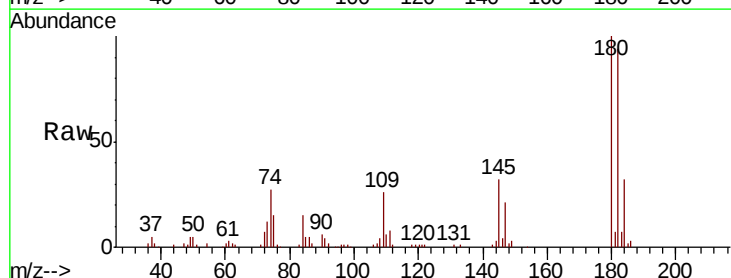
Tgt Ion:180 Resp: 52642

Ion Ratio Lower Upper

180 100

182 97.2 77.0 115.4

145 32.7 26.4 39.6



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

