

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100220\
 Data File : VU040451.D
 Acq On : 02 Oct 2020 10:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Quant Time: Oct 03 00:13:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 18:03:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	163176	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	156438	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	79655	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39736	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.92	69	32225	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.58	63	97009	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	4.66	46	156931	39.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.22%
24) Chloroform-d	5.08	84	82332	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	5.72	65	48531	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
32) Benzene-d6	5.74	84	156434	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.70	67	52041	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.90	98	148114	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
43) trans-1,3-Dichloropropene-	8.19	79	23039	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.64	63	115326	41.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45592	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	56673	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	80432	4.915 ug/L	99
3) Chloromethane	1.53	50	71006	4.425 ug/L	99
5) Vinyl chloride	1.61	62	75811	4.806 ug/L	95
6) Bromomethane	1.87	94	34563	4.506 ug/L	97
8) Chloroethane	1.94	64	45808	4.900 ug/L	99
9) Trichlorofluoromethane	2.15	101	104662	4.810 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	68720	4.946 ug/L	99
12) 1,1-Dichloroethene	2.59	96	61036	4.912 ug/L	94
13) Acetone	2.66	43	167052	49.958 ug/L	99
14) Carbon disulfide	2.81	76	184025	4.685 ug/L	99
15) Methyl Acetate	2.97	43	37442	4.649 ug/L	97
16) Methylene chloride	3.06	84	71178	4.560 ug/L	99
17) Methyl tert-butyl Ether	3.38	73	175568	5.128 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	62800	4.887 ug/L	100
19) 1,1-Dichloroethane	3.89	63	130145	4.935 ug/L	100
21) 2-Butanone	4.74	43	270385	50.377 ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	69204	4.868 ug/L	98

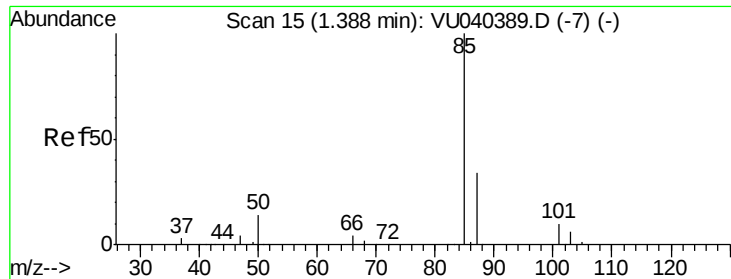
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100220\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	31991	4.915	ug/L	95
25) Chloroform	5.11	83	130850	4.864	ug/L	99
27) 1,2-Dichloroethane	5.81	62	93665	5.028	ug/L	95
29) 1,1,1-Trichloroethane	5.33	97	112437	5.261	ug/L	99
30) Cyclohexane	5.40	56	117193	5.301	ug/L	98
31) Carbon tetrachloride	5.54	117	95498	5.212	ug/L	99
33) Benzene	5.79	78	275369	5.250	ug/L	100
34) Trichloroethene	6.55	95	72790	5.228	ug/L	95
35) Methylcyclohexane	6.77	83	109232	5.349	ug/L	98
37) 1,2-Dichloropropane	6.80	63	75230	5.150	ug/L	100
38) Bromodichloromethane	7.11	83	93996	5.212	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	105934	5.407	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	622034	54.381	ug/L	100
42) Toluene	7.97	91	287396	5.344	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	96717	5.355	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	53492	5.224	ug/L	99
47) Tetrachloroethene	8.56	164	51311	5.190	ug/L	97
48) 2-Hexanone	8.69	43	462048	54.819	ug/L	99
49) Dibromochloromethane	8.81	129	63318	5.316	ug/L	97
50) 1,2-Dibromoethane	8.93	107	51855	5.280	ug/L	92
51) Chlorobenzene	9.45	112	182626	5.252	ug/L	99
52) Ethylbenzene	9.57	91	316016	5.415	ug/L	98
53) m,p-Xylene	9.69	106	118396	5.446	ug/L	98
54) o-Xylene	10.10	106	112151	5.483	ug/L	97
55) Styrene	10.11	104	197721	5.542	ug/L	99
56) Isopropylbenzene	10.48	105	304287	5.513	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	70157	5.055	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	52821	4.989	ug/L	99
61) Bromoform	10.29	173	35073	5.328	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	145813	5.529	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	149297	5.443	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	139420	5.438	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	12205	5.282	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	104107	5.530	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	87853	5.807	ug/L	99
69) Naphthalene	14.08	128	158801	6.142	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	79946	5.775	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.915 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

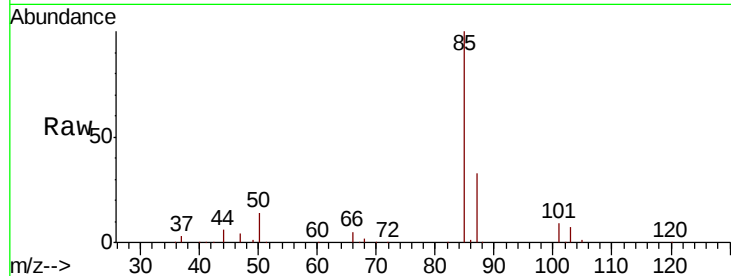
VSTD00508

Tot Ion: 85 Resp: 80432

Ion Ratio Lower Upper

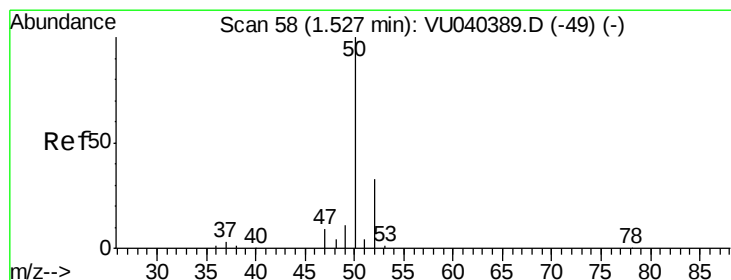
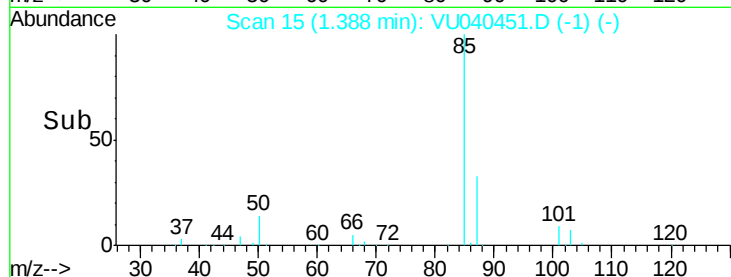
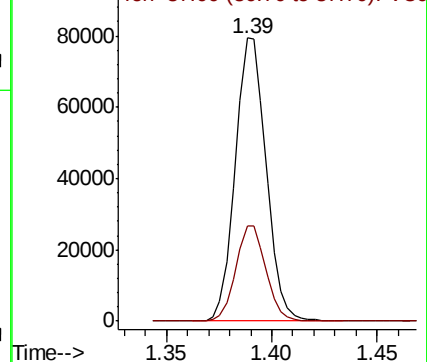
85 100

87 32.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.425 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040451.D

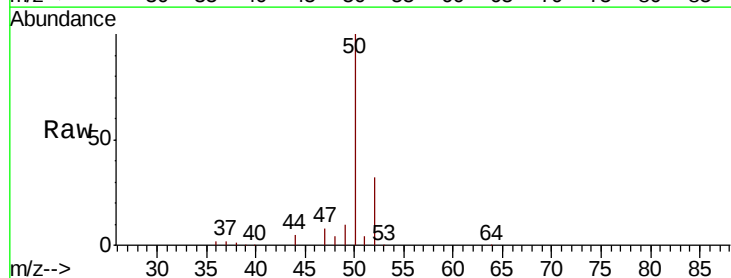
Acq: 02 Oct 2020 10:51

Tgt Ion: 50 Resp: 71006

Ion Ratio Lower Upper

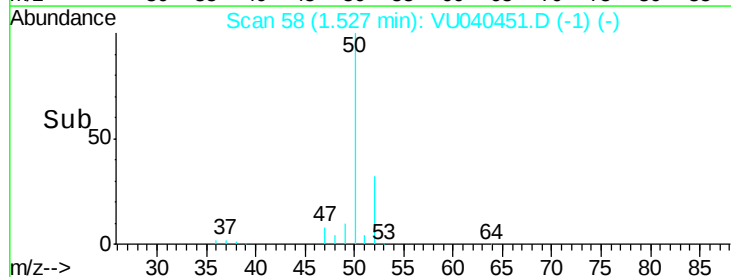
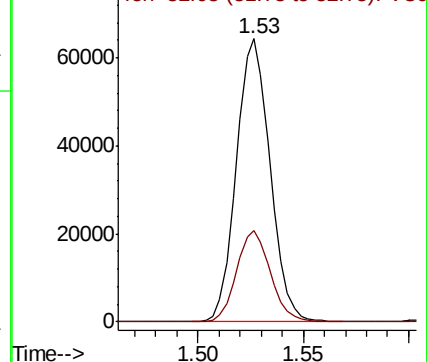
50 100

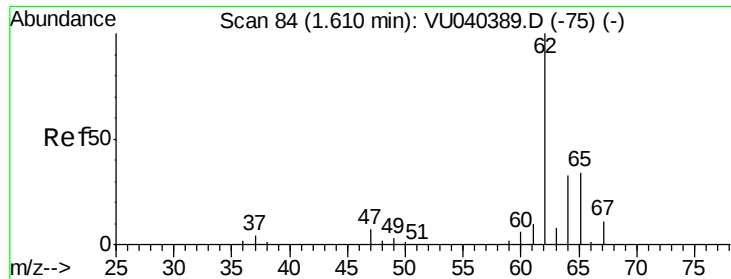
52 32.2 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.806 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

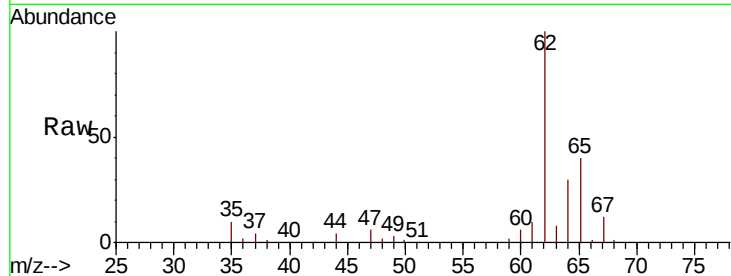
VSTD00508

Tot Ion: 62 Resp: 75811

Ion Ratio Lower Upper

62 100

64 30.1 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU040451.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040451.D (-75) (-)

1.61

80000

60000

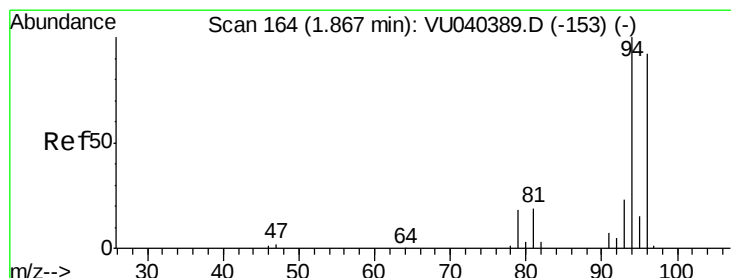
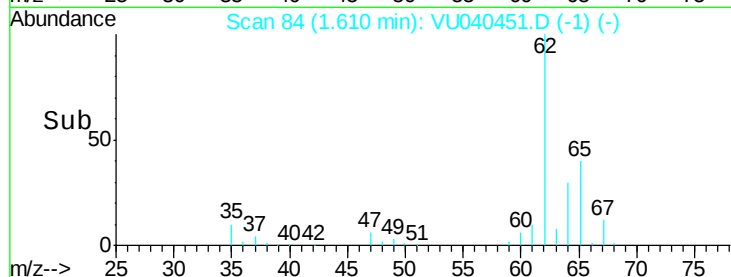
40000

20000

0

Time-->

1.55 1.60 1.65



#6

Bromomethane

Concen: 4.506 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040451.D

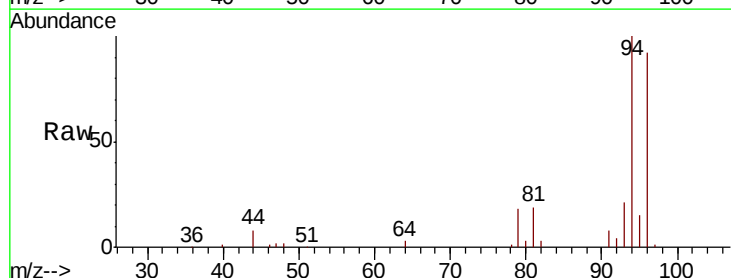
Acq: 02 Oct 2020 10:51

Tgt Ion: 94 Resp: 34563

Ion Ratio Lower Upper

94 100

96 92.0 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU040451.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU040451.D (-153) (-)

1.87

30000

25000

20000

15000

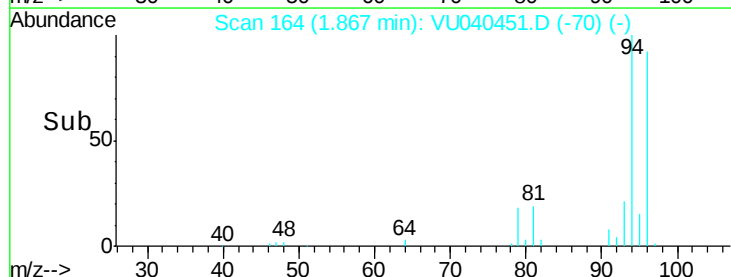
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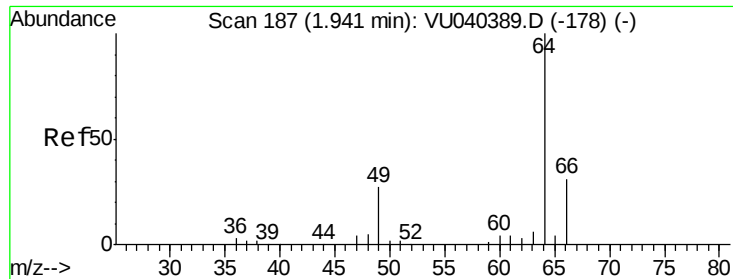
5000

0

Time-->

1.80 1.85 1.90

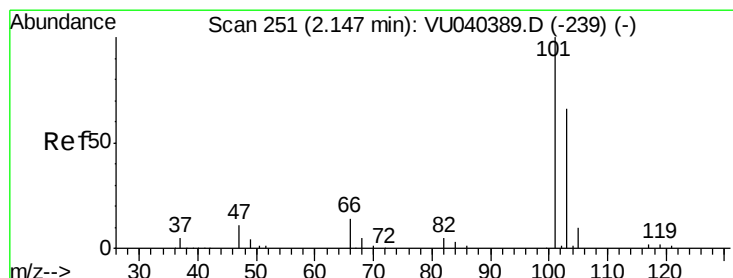
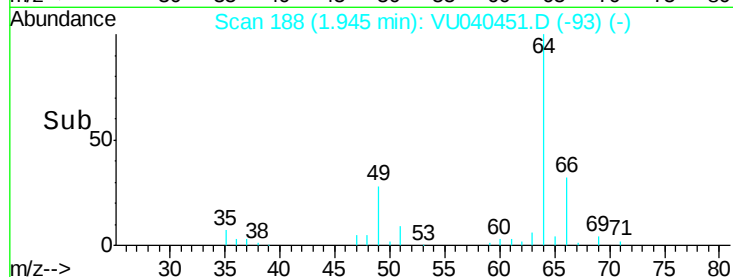
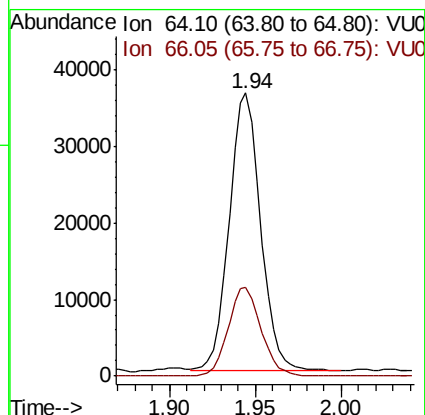
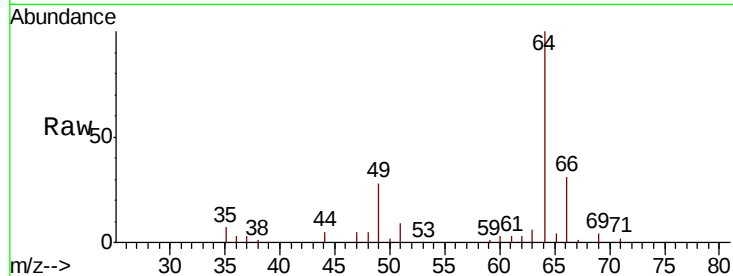




#8
Chloroethane
Concen: 4.900 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.01 min
Lab File: VU040451.D
Acq: 02 Oct 2020 10:51

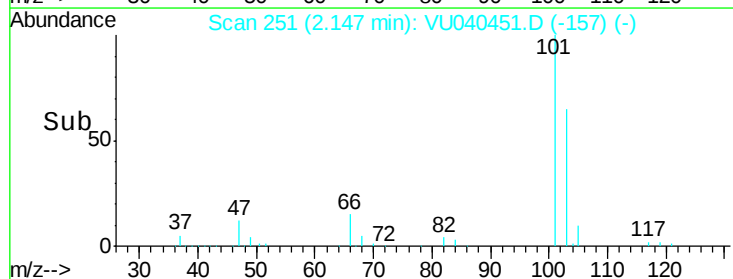
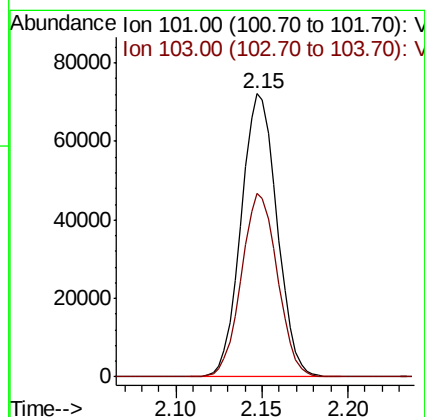
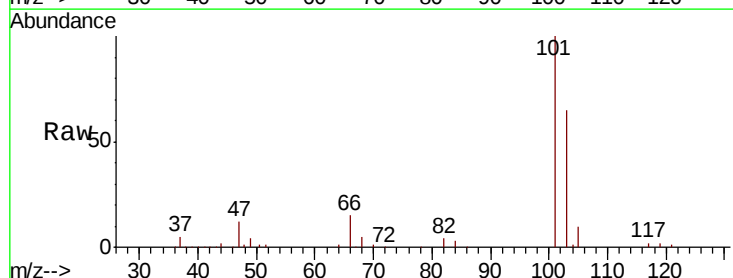
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

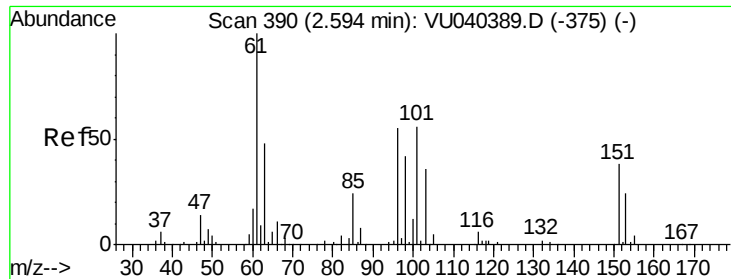
Tot Ion: 64 Resp: 45808
Ion Ratio Lower Upper
64 100
66 31.3 21.3 39.6



#9
Trichlorofluoromethane
Concen: 4.810 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU040451.D
Acq: 02 Oct 2020 10:51

Tgt Ion: 101 Resp: 104662
Ion Ratio Lower Upper
101 100
103 65.2 52.6 79.0





#10

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

Concen: 4.946 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.01 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

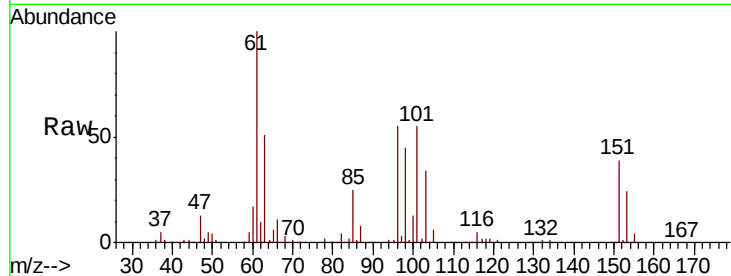
Tot Ion:101 Resp: 68720

Ion Ratio Lower Upper

101 100

85 45.1 35.0 52.6

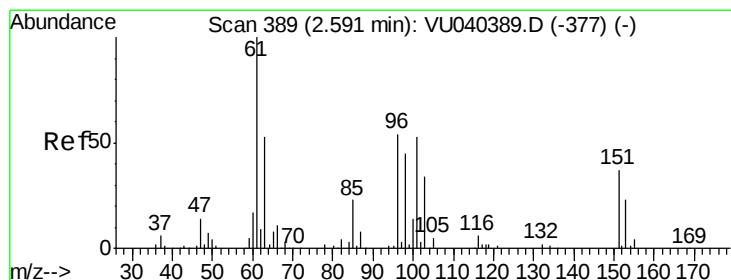
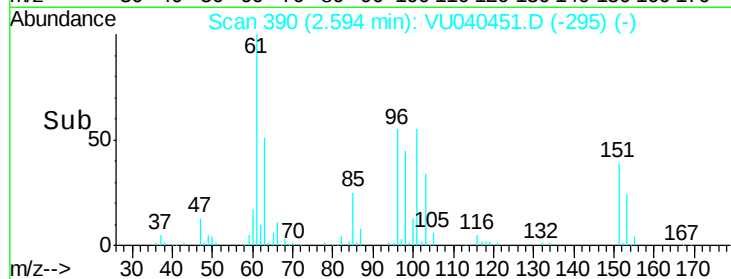
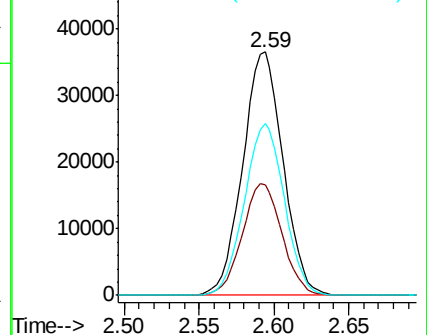
151 69.6 55.4 83.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.912 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

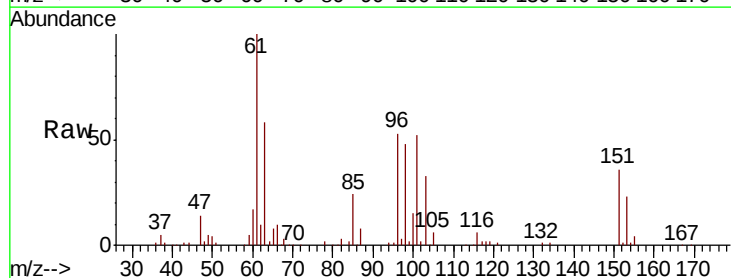
Tgt Ion: 96 Resp: 61036

Ion Ratio Lower Upper

96 100

61 188.4 128.6 238.8

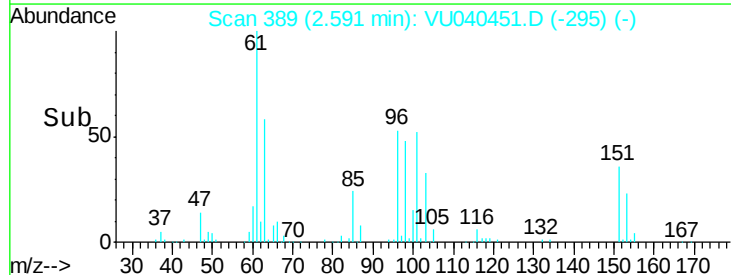
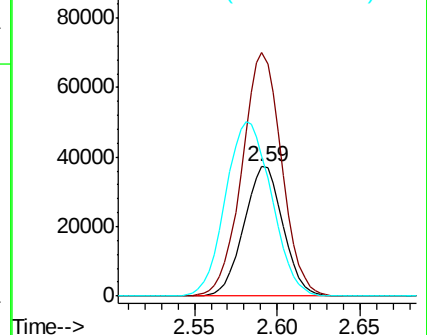
63 108.3 67.8 126.0

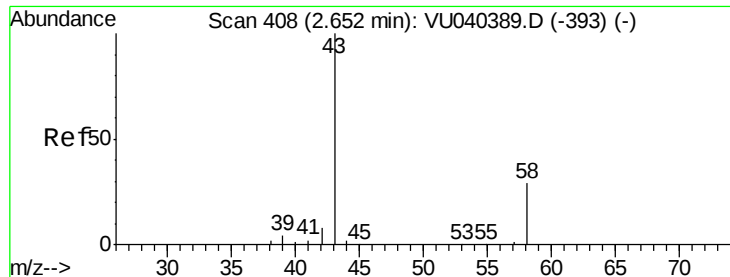


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

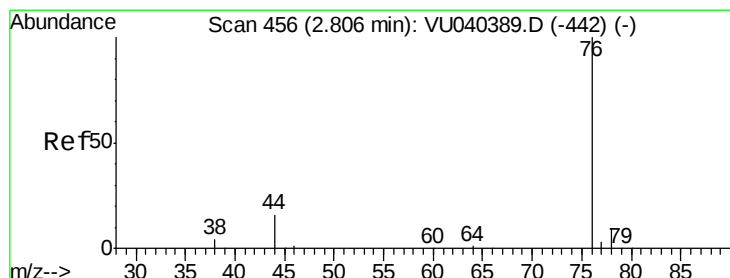
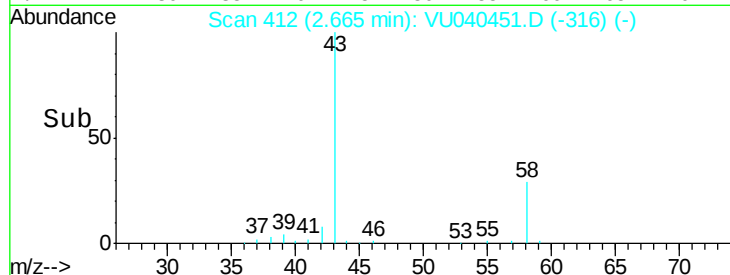
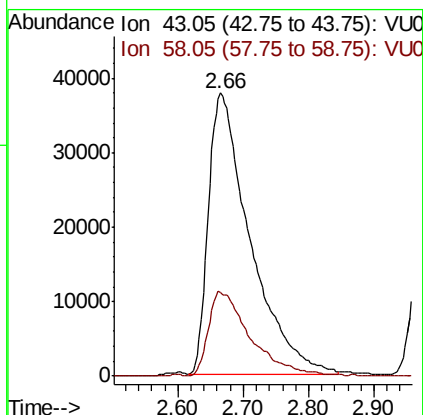
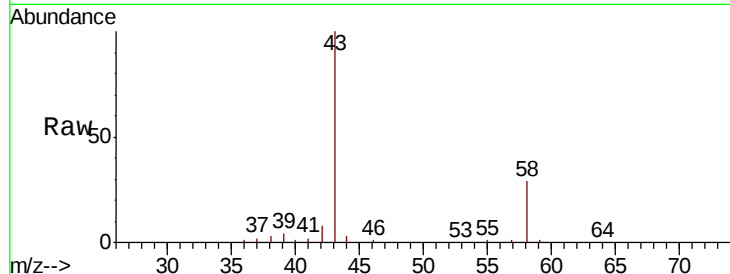




#13
Acetone
Concen: 49.958 ug/L
RT: 2.66 min Scan# 412
Delta R.T. 0.01 min
Lab File: VU040451.D
Acq: 02 Oct 2020 10:51

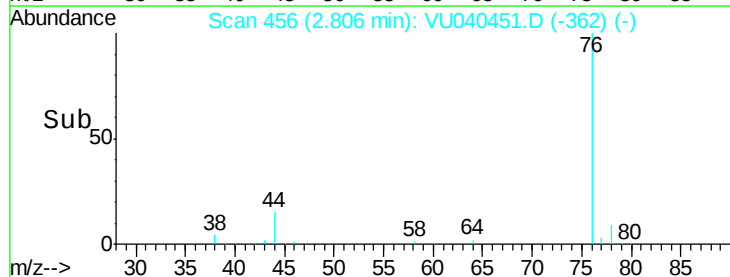
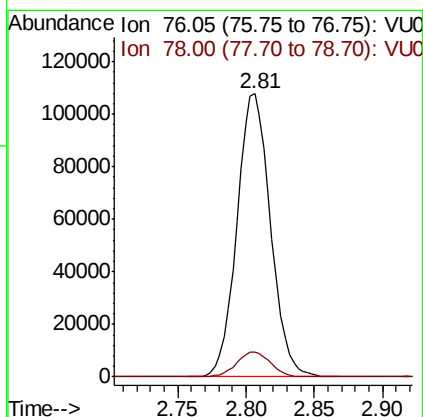
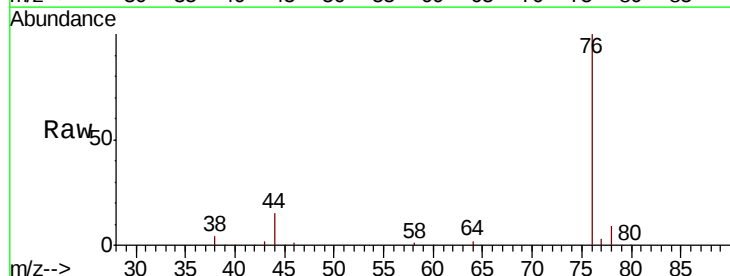
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

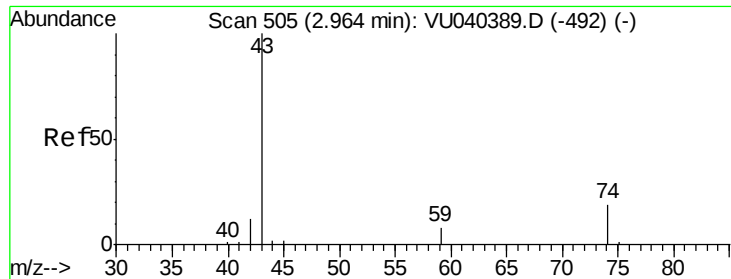
Tot Ion: 43 Resp: 167052
Ion Ratio Lower Upper
43 100
58 30.2 0.0 61.8



#14
Carbon disulfide
Concen: 4.685 ug/L
RT: 2.81 min Scan# 456
Delta R.T. 0.00 min
Lab File: VU040451.D
Acq: 02 Oct 2020 10:51

Tgt Ion: 76 Resp: 184025
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8

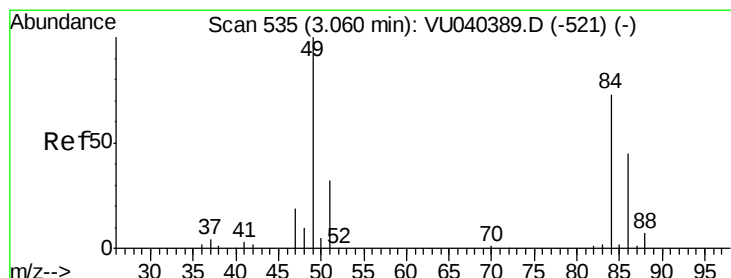
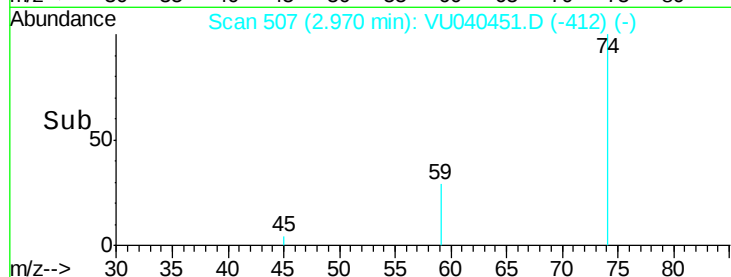
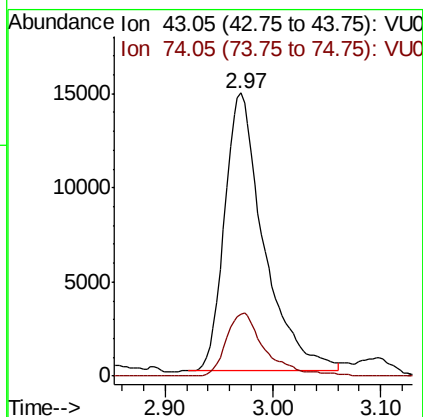
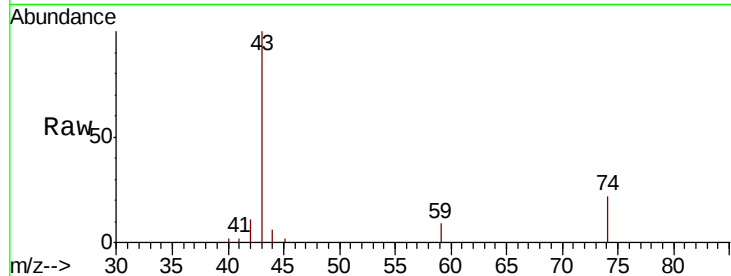




#15
Methvl Acetate
Concen: 4.649 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.01 min
Lab File: VU040451.D
Acq: 02 Oct 2020 10:51

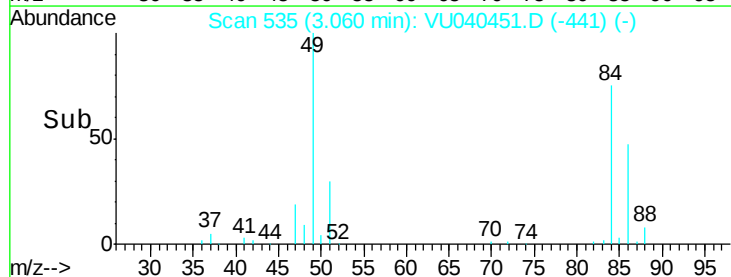
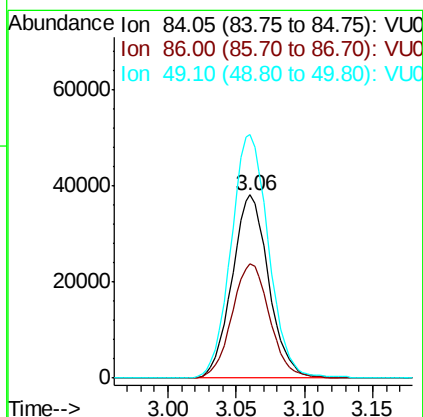
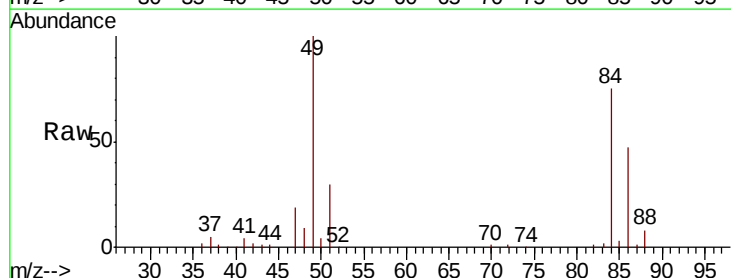
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

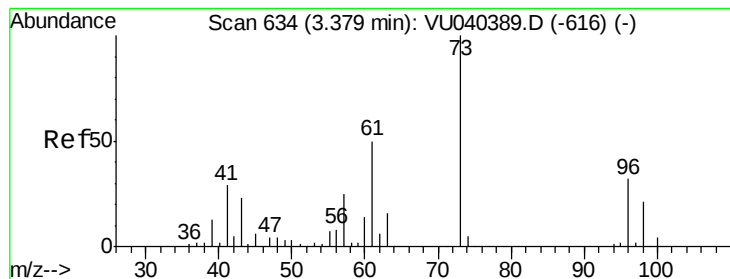
Tot Ion: 43 Resp: 37442
Ion Ratio Lower Upper
43 100
74 21.6 16.3 24.5



#16
Methylene chloride
Concen: 4.560 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040451.D
Acq: 02 Oct 2020 10:51

Tgt Ion: 84 Resp: 71178
Ion Ratio Lower Upper
84 100
86 62.1 44.4 82.5
49 133.0 92.2 171.2



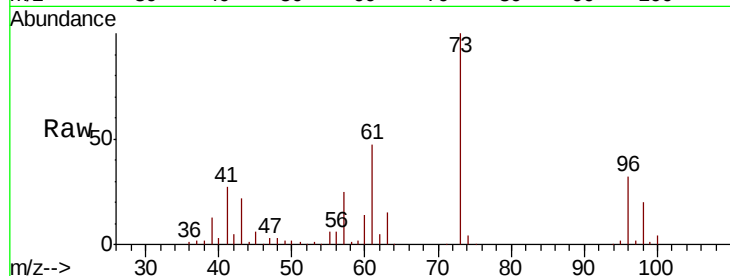


#17

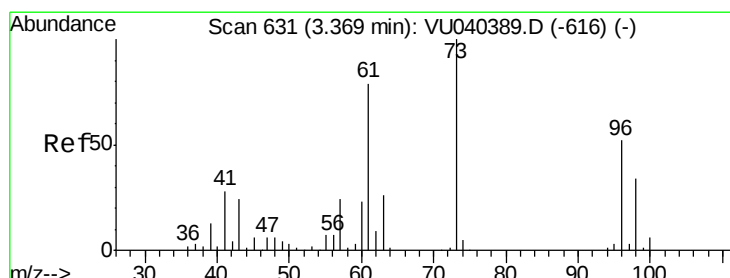
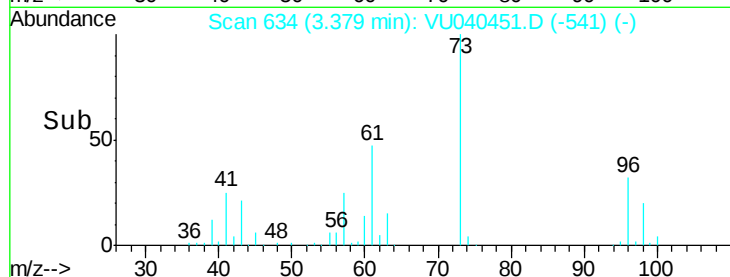
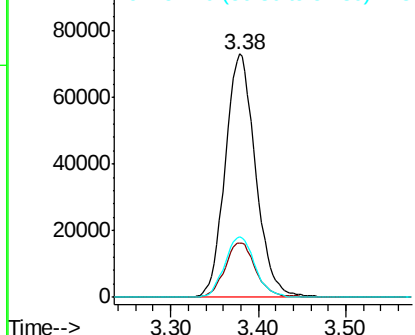
Methyl tert-butyl Ether
 Concen: 5.128 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU040451.D
 Acq: 02 Oct 2020 10:51

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00508

Tot Ion: 73 Resp: 175568
 Ion Ratio Lower Upper
 73 100
 43 22.4 19.0 28.4
 57 24.7 18.9 28.3



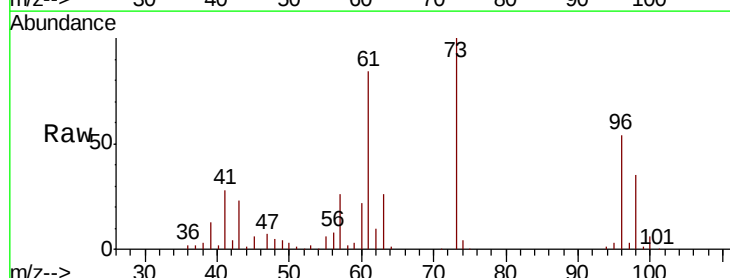
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



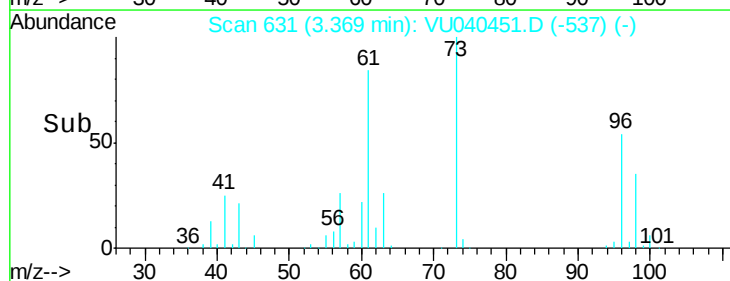
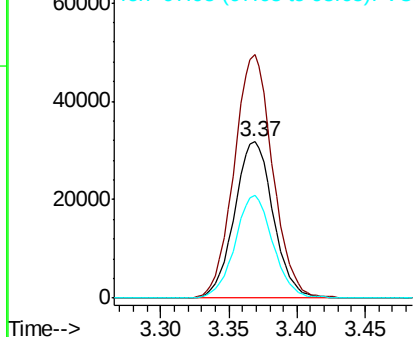
#18

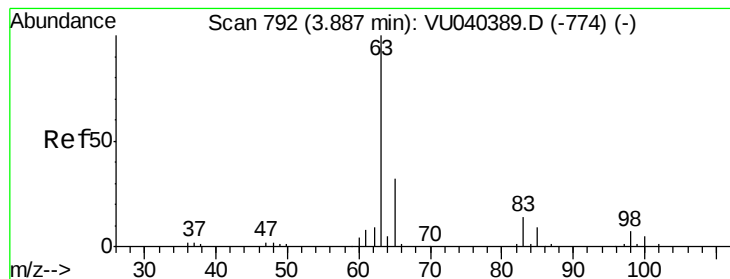
trans-1,2-Dichloroethene
 Concen: 4.887 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU040451.D
 Acq: 02 Oct 2020 10:51

Tgt Ion: 96 Resp: 62800
 Ion Ratio Lower Upper
 96 100
 61 156.0 109.3 203.1
 98 65.9 45.8 85.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.935 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

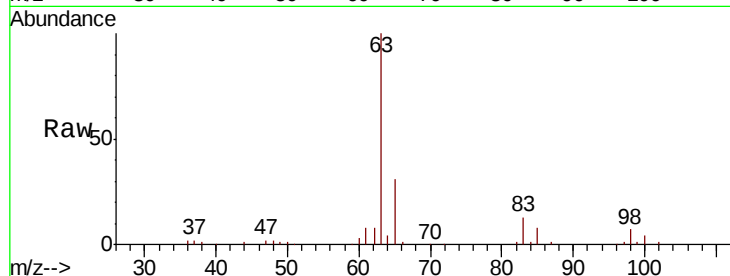
Tot Ion: 63 Resp: 130145

Ion Ratio Lower Upper

63 100

65 31.2 21.7 40.3

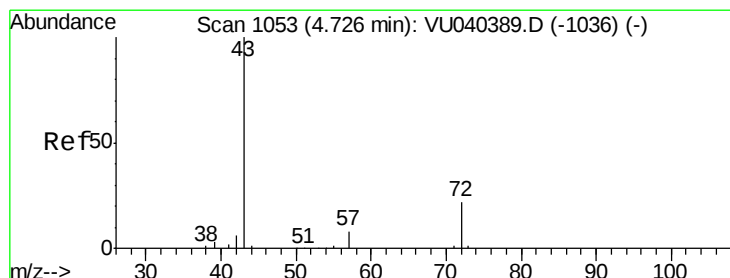
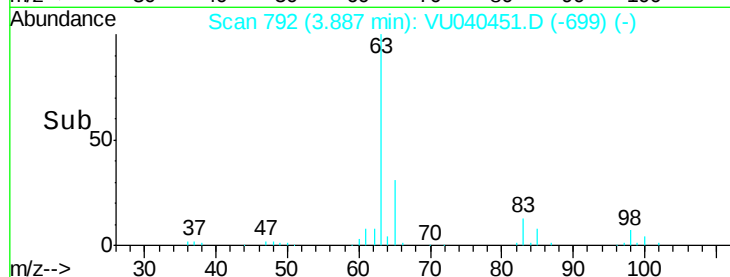
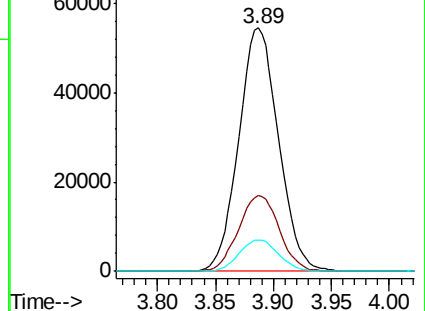
83 13.0 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU040389.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU040389.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU040389.D (-774) (-)



#21

2-Butanone

Concen: 50.377 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VU040451.D

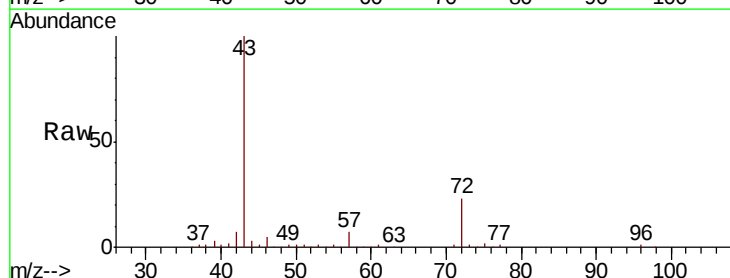
Acq: 02 Oct 2020 10:51

Tgt Ion: 43 Resp: 270385

Ion Ratio Lower Upper

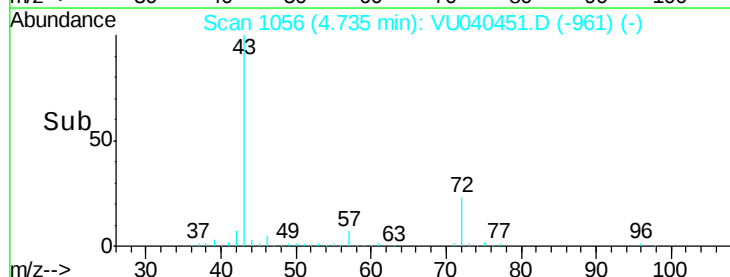
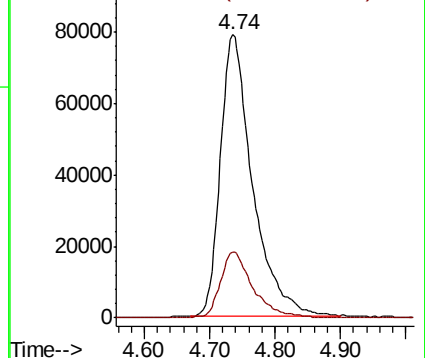
43 100

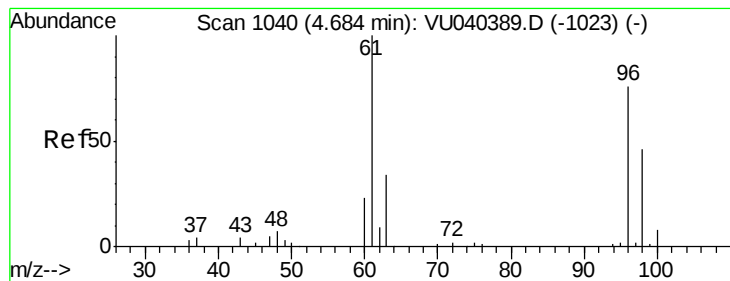
72 23.8 12.0 36.1



Abundance Ion 43.05 (42.75 to 43.75): VU040389.D (-1036) (-)

Ion 72.10 (71.80 to 72.80): VU040389.D (-1036) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.868 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

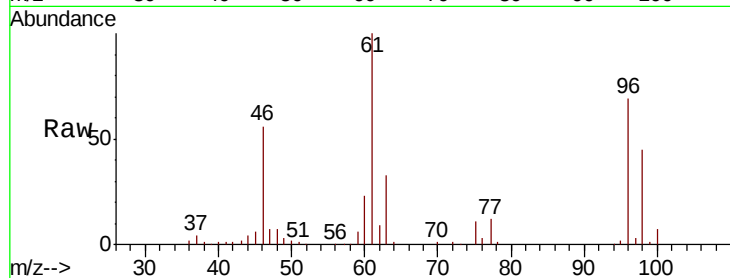
Tot Ion: 96 Resp: 69204

Ion Ratio Lower Upper

96 100

61 144.0 99.3 184.5

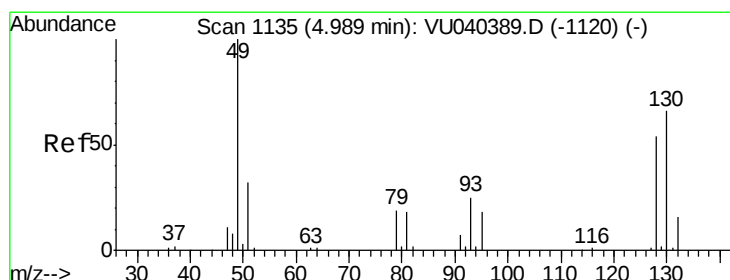
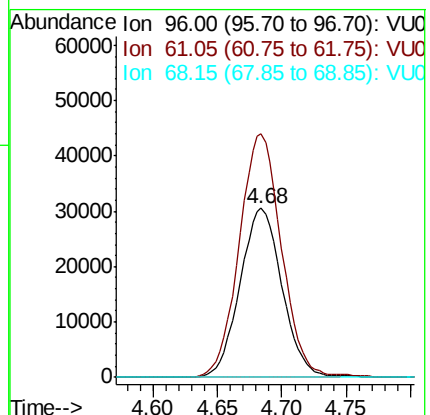
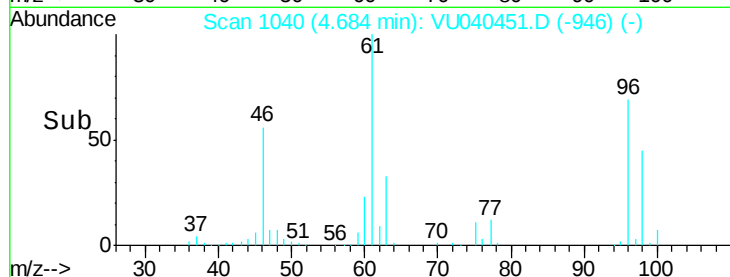
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040451.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU040451.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU040451.D (-946) (-)



#23

Bromochloromethane

Concen: 4.915 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

Tgt Ion: 128 Resp: 31991

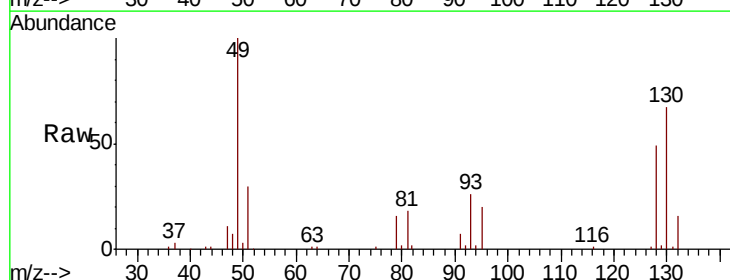
Ion Ratio Lower Upper

128 100

49 202.4 134.6 250.0

130 135.0 91.1 169.1

51 61.0 50.6 75.8

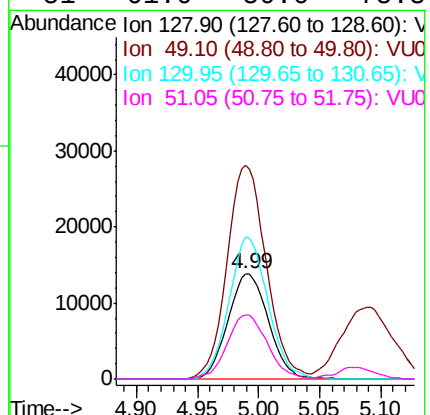
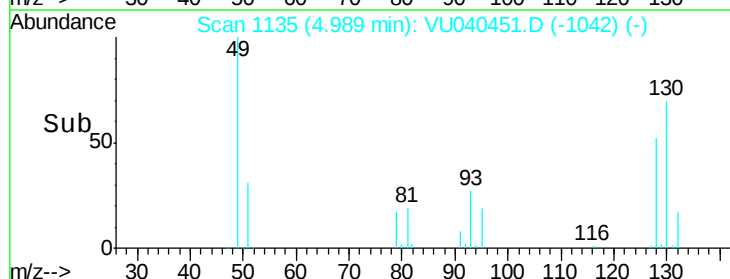


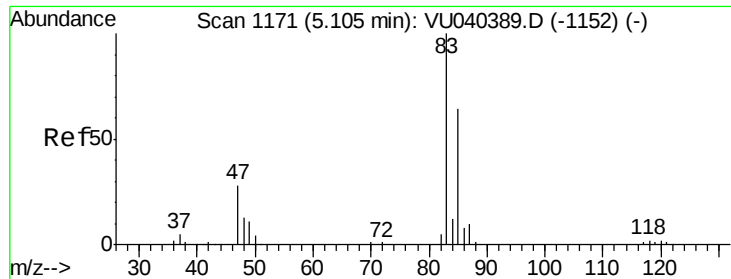
Abundance Ion 127.90 (127.60 to 128.60): VU040451.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU040451.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU040451.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU040451.D (-1042) (-)

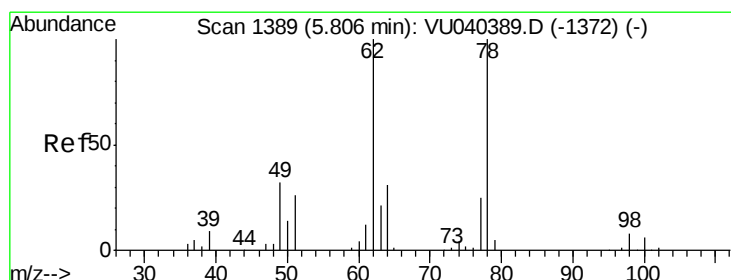
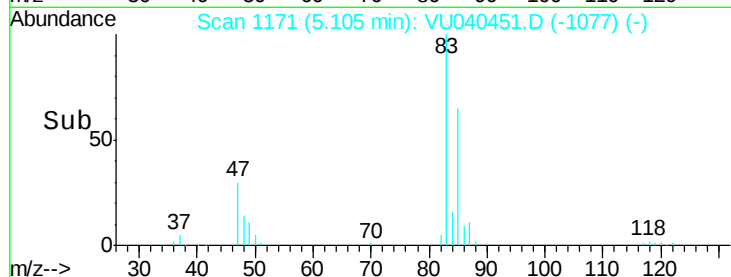
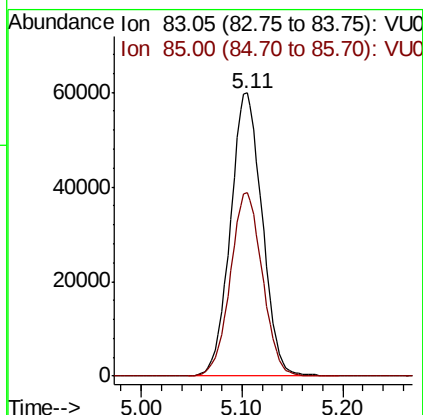
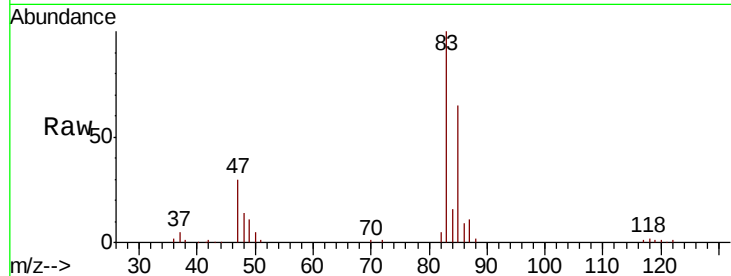




#25
Chloroform
Concen: 4.864 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040451.D
Acq: 02 Oct 2020 10:51

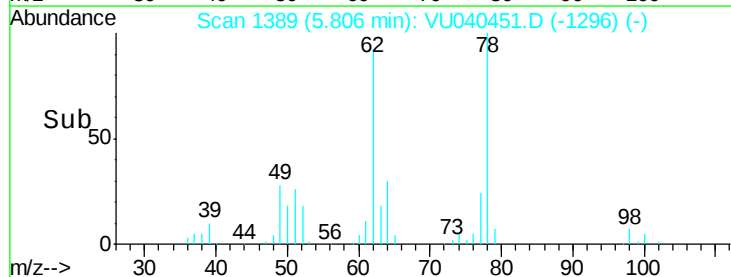
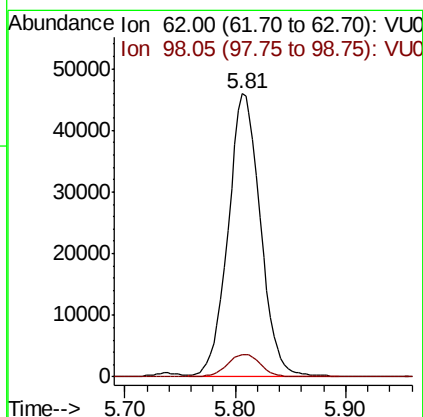
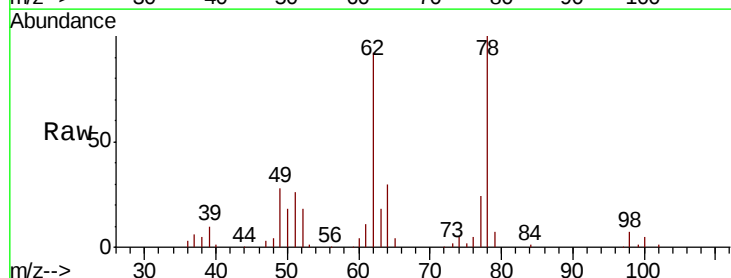
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

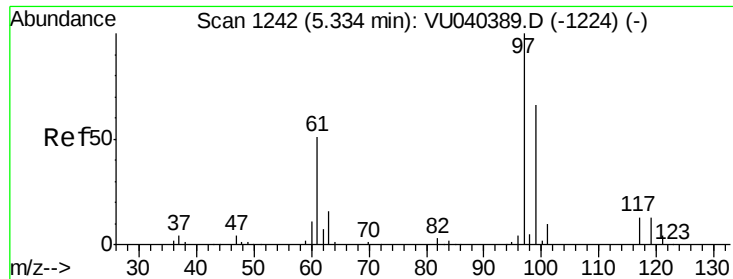
Tot Ion: 83 Resp: 130850
Ion Ratio Lower Upper
83 100
85 64.9 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.028 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU040451.D
Acq: 02 Oct 2020 10:51

Tgt Ion: 62 Resp: 93665
Ion Ratio Lower Upper
62 100
98 7.7 7.5 11.3

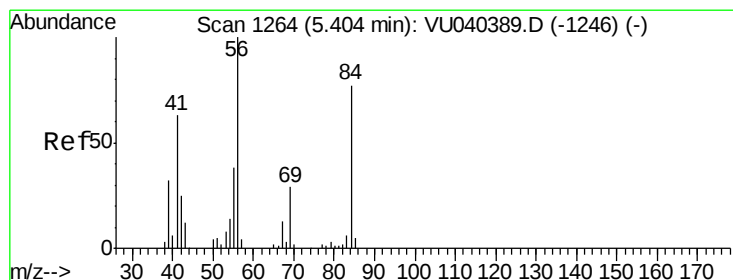
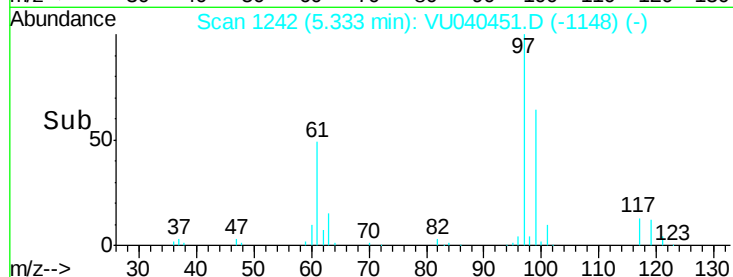
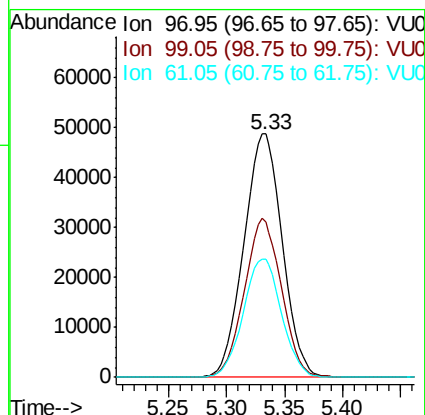
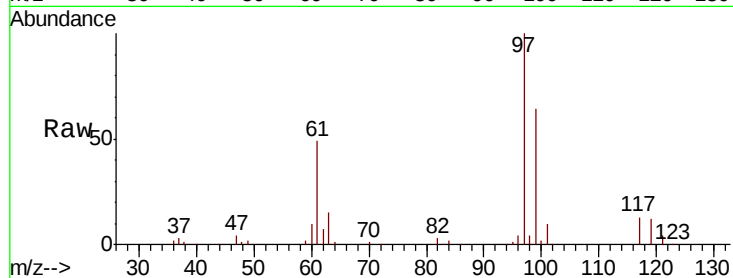




#29
 1,1,1-Trichloroethane
 Concen: 5.261 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040451.D
 Acq: 02 Oct 2020 10:51

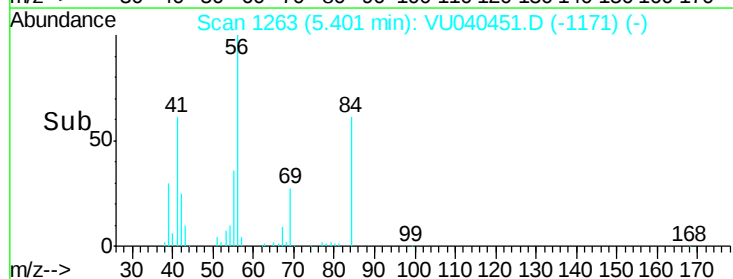
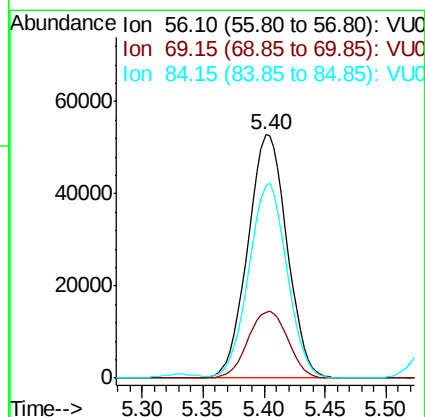
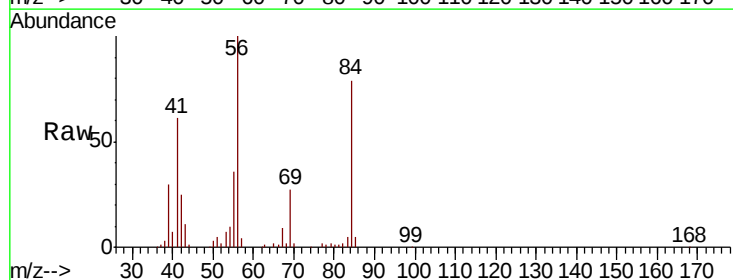
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

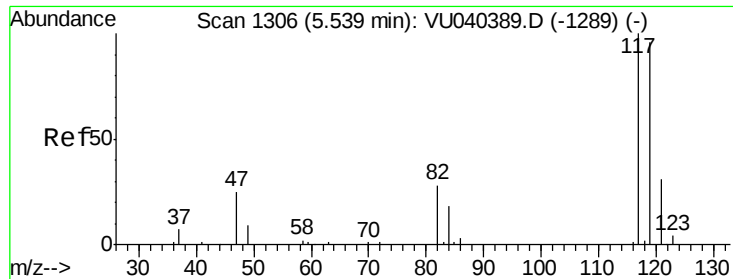
Tot Ion: 97 Resp: 112437
 Ion Ratio Lower Upper
 97 100
 99 63.1 50.7 76.1
 61 48.4 39.7 59.5



#30
 Cyclohexane
 Concen: 5.301 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VU040451.D
 Acq: 02 Oct 2020 10:51

Tgt Ion: 56 Resp: 117193
 Ion Ratio Lower Upper
 56 100
 69 27.9 23.3 34.9
 84 78.2 64.2 96.4

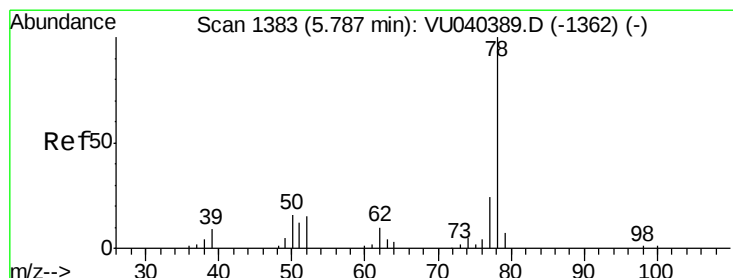
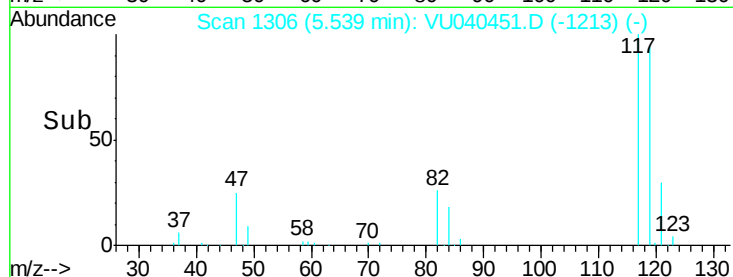
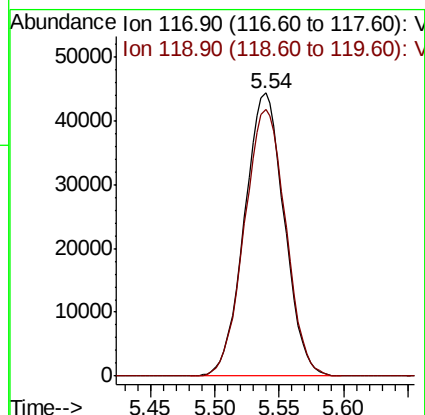
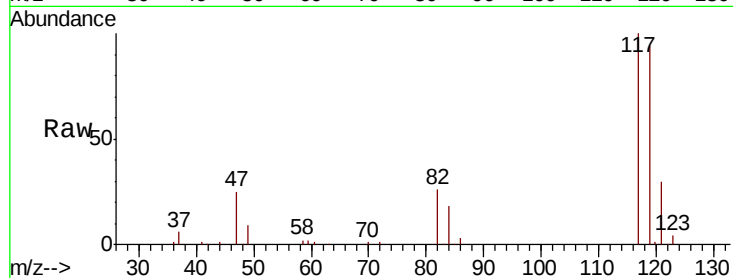




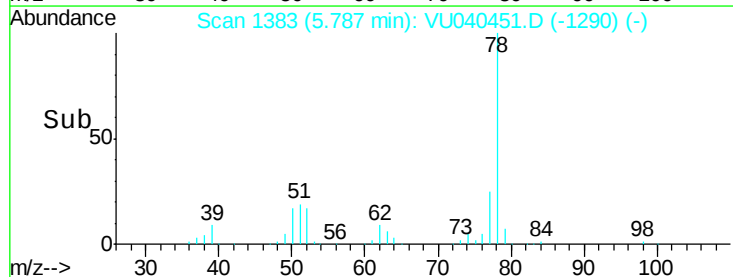
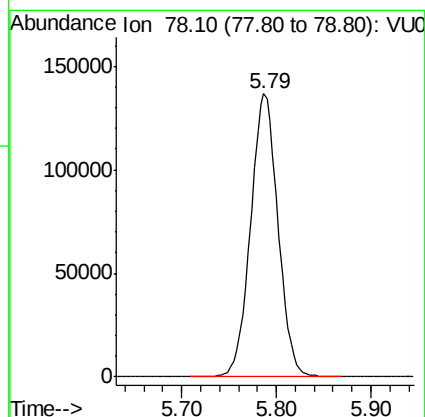
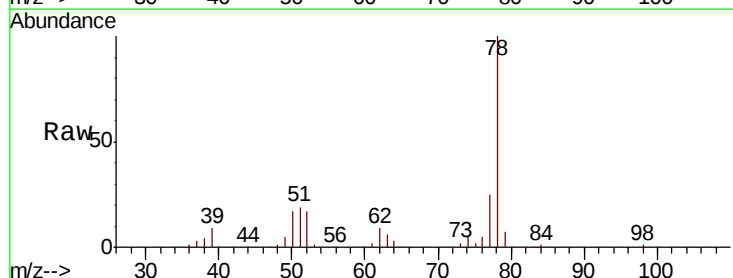
#31
Carbon tetrachloride
Concen: 5.212 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU040451.D
Acq: 02 Oct 2020 10:51

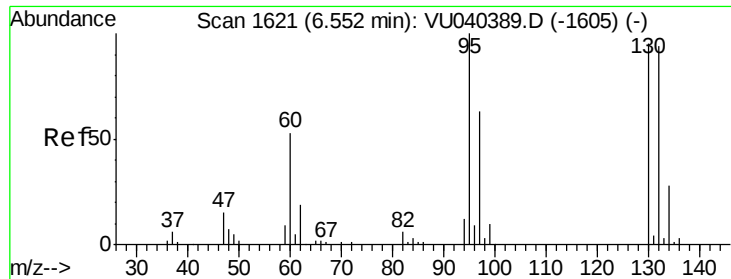
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion:117 Resp: 95498
Ion Ratio Lower Upper
117 100
119 97.6 77.5 116.3



#33
Benzene
Concen: 5.250 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU040451.D
Acq: 02 Oct 2020 10:51
Tgt Ion: 78 Resp: 275369

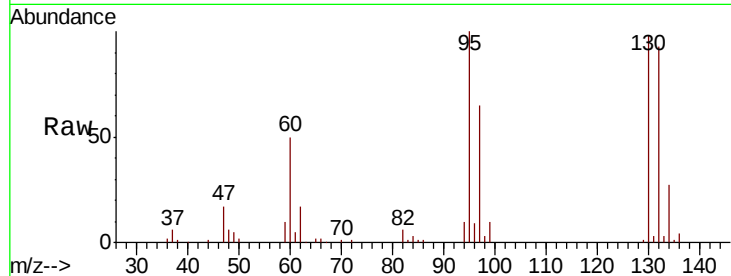




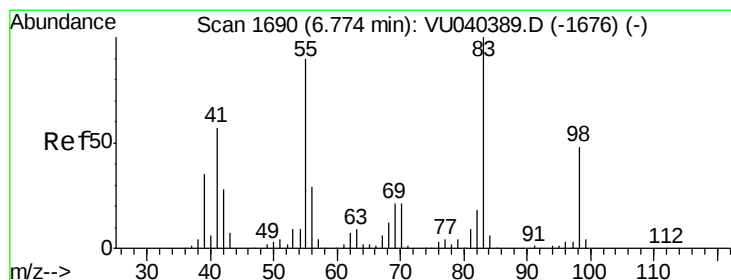
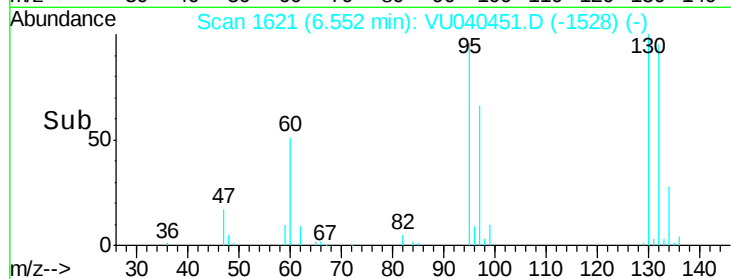
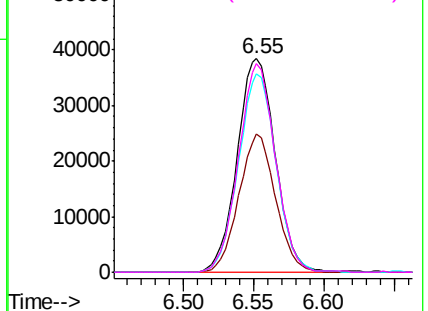
#34
 Trichloroethene
 Concen: 5.228 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040451.D
 Acq: 02 Oct 2020 10:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion: 95 Resp: 72790
 Ion Ratio Lower Upper
 95 100
 97 64.6 46.3 85.9
 132 93.1 60.5 112.3
 130 97.6 64.3 119.3

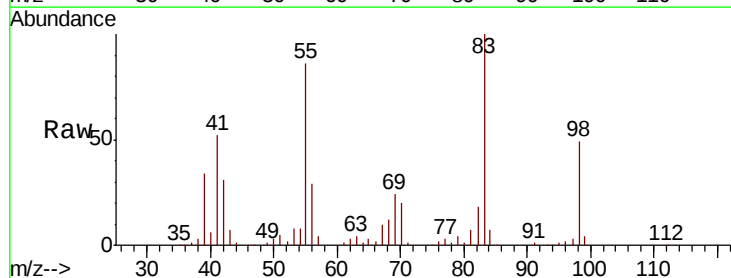


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

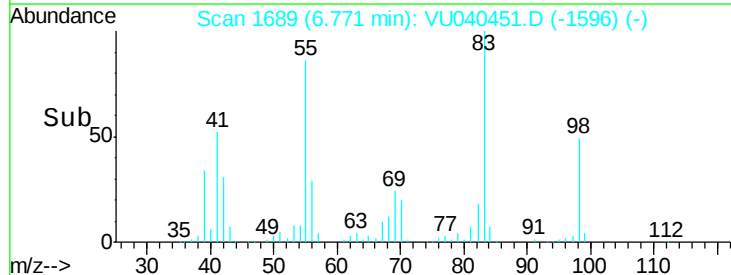
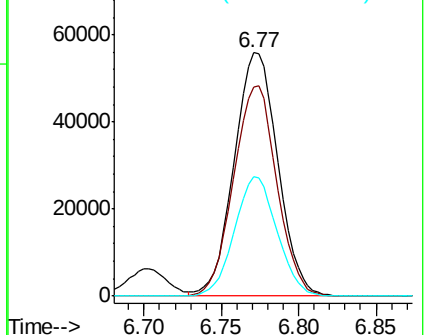


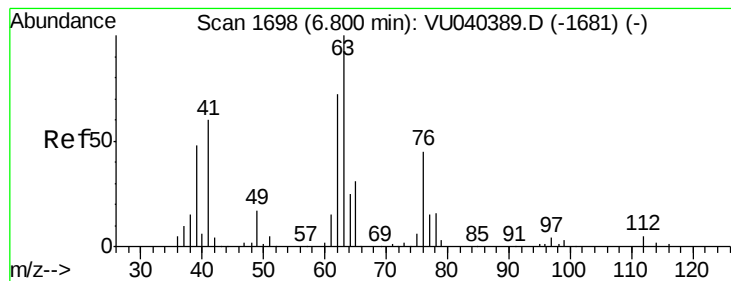
#35
 Methylcyclohexane
 Concen: 5.349 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VU040451.D
 Acq: 02 Oct 2020 10:51

Tgt Ion: 83 Resp: 109232
 Ion Ratio Lower Upper
 83 100
 55 86.1 71.4 107.2
 98 47.9 38.5 57.7



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: 5.150 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

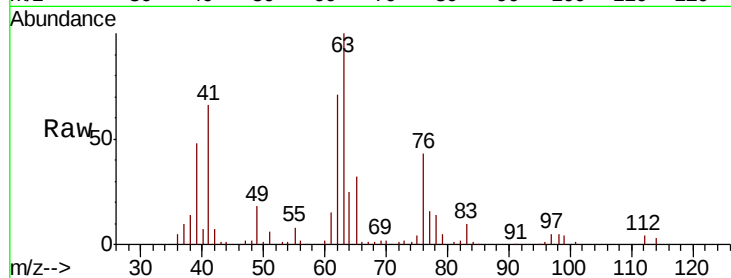
VSTD00508

Tot Ion: 63 Resp: 75230

Ion Ratio Lower Upper

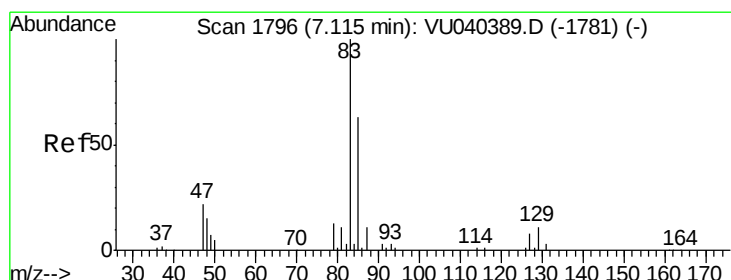
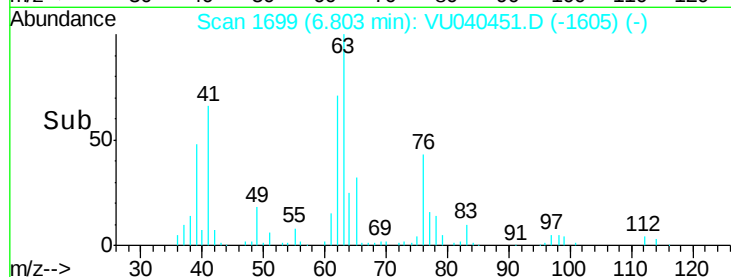
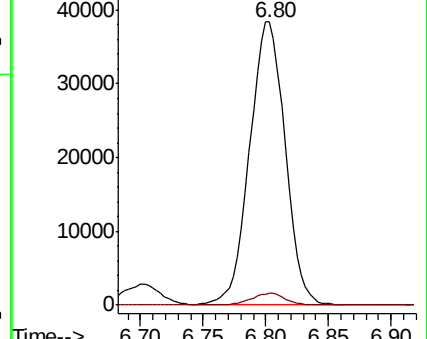
63 100

112 3.9 3.2 4.8



Abundance Ion 63.10 (62.80 to 63.80): VU040389.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU040389.D (-1681) (-)



#38

Bromodichloromethane

Concen: 5.212 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

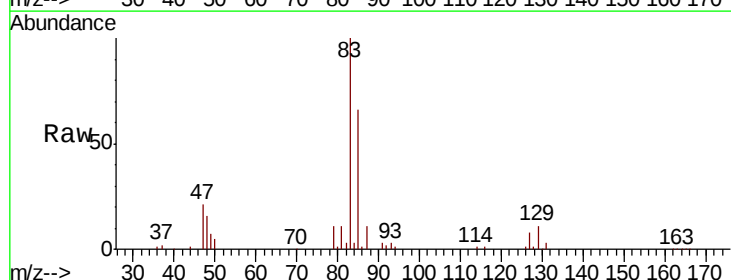
Tgt Ion: 83 Resp: 93996

Ion Ratio Lower Upper

83 100

85 65.6 45.1 83.9

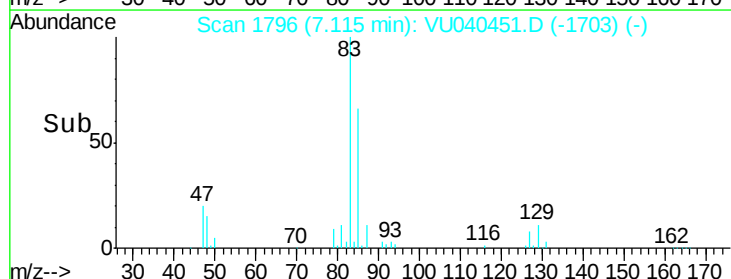
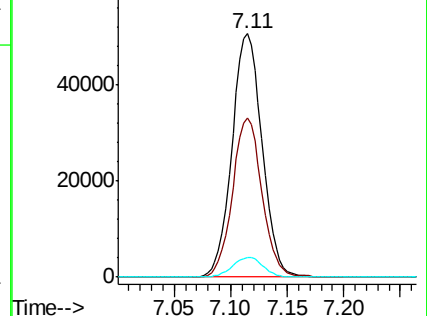
127 8.1 6.6 9.8

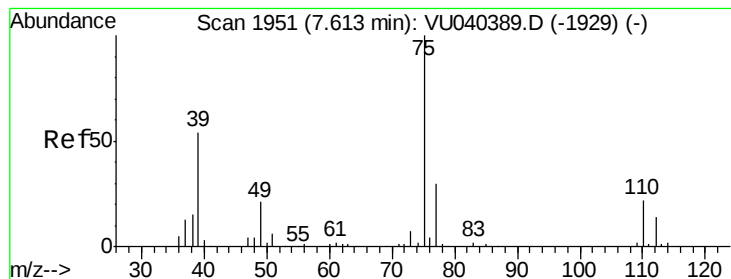


Abundance Ion 82.95 (82.65 to 83.65): VU040389.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU040389.D (-1781) (-)

Ion 126.90 (126.60 to 127.60): VU040389.D (-1781) (-)



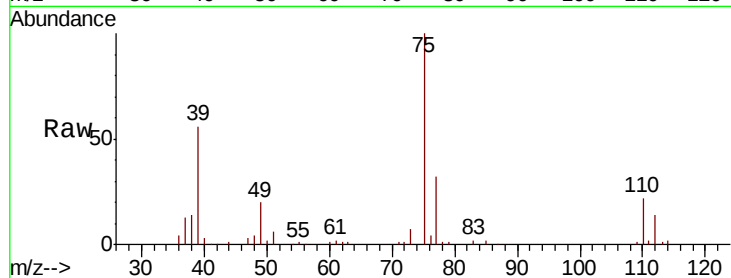


#39

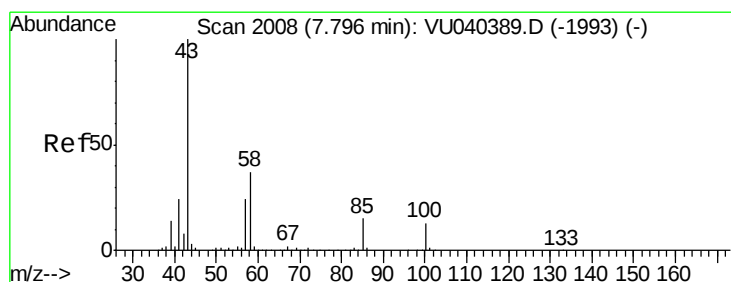
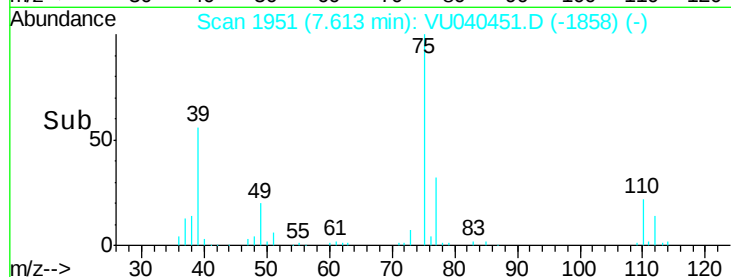
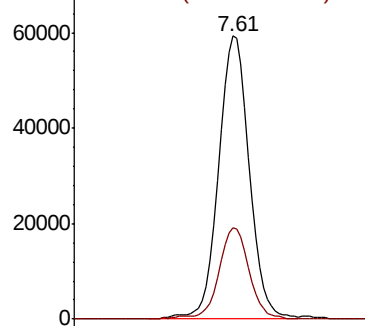
cis-1,3-Dichloropropene
 Concen: 5.407 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU040451.D
 Acq: 02 Oct 2020 10:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion: 75 Resp: 105934
 Ion Ratio Lower Upper
 75 100
 77 32.3 23.5 43.7



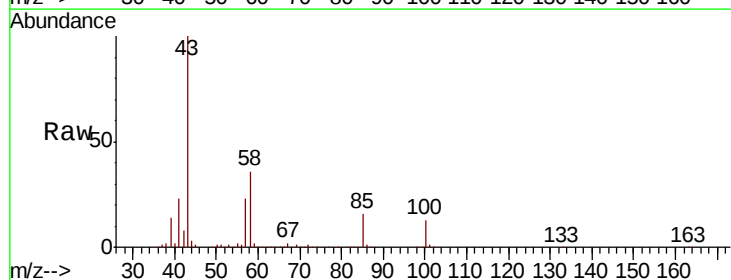
Abundance Ion 75.05 (74.75 to 75.75): VU040389.D (-1929) (-)
 Ion 77.05 (76.75 to 77.75): VU040389.D (-1929) (-)



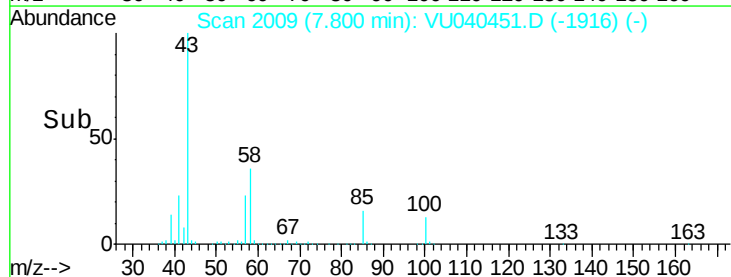
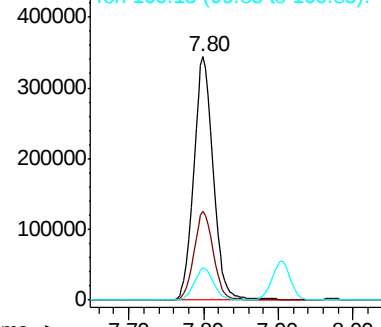
#40

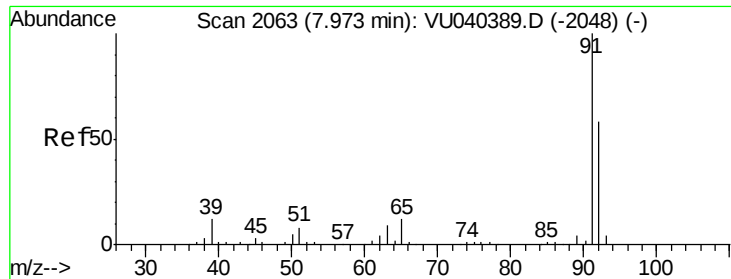
4-Methyl-2-pentanone
 Concen: 54.381 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040451.D
 Acq: 02 Oct 2020 10:51

Tgt Ion: 43 Resp: 622034
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.2 43.8
 100 13.0 10.3 15.5



Abundance Ion 43.05 (42.75 to 43.75): VU040389.D (-1993) (-)
 Ion 58.05 (57.75 to 58.75): VU040389.D (-1993) (-)
 Ion 100.15 (99.85 to 100.85): VU040389.D (-1993) (-)





#42

Toluene

Concen: 5.344 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

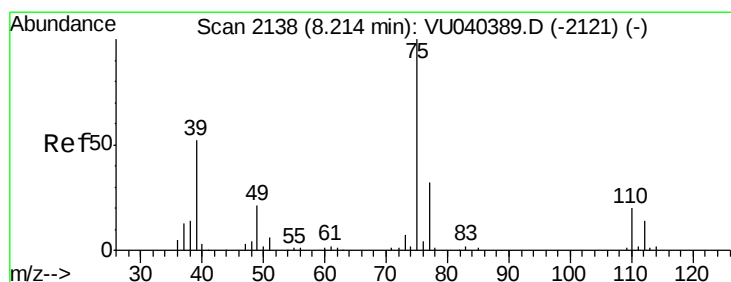
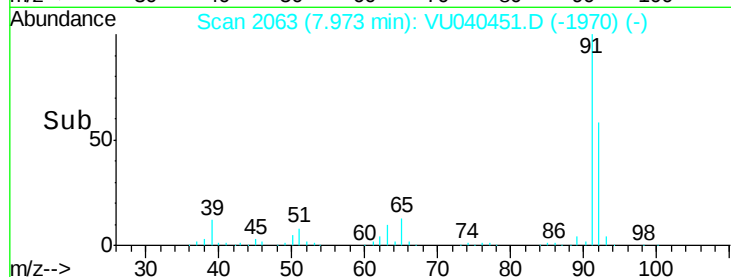
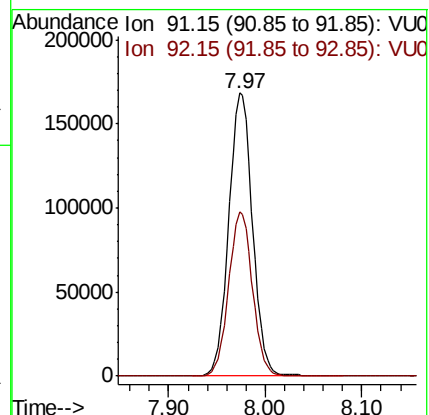
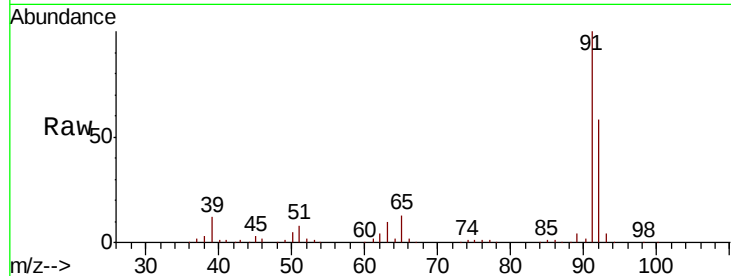
VSTD00508

Tot Ion: 91 Resp: 287396

Ion Ratio Lower Upper

91 100

92 57.8 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 5.355 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040451.D

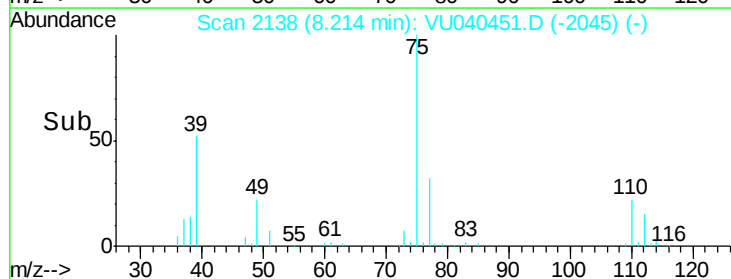
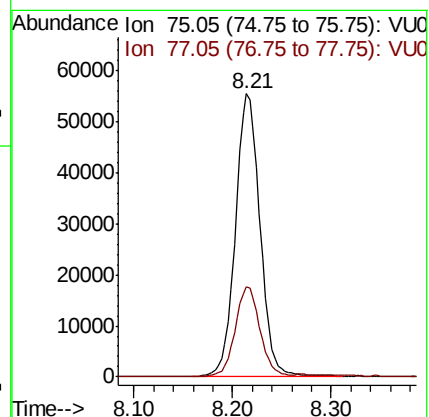
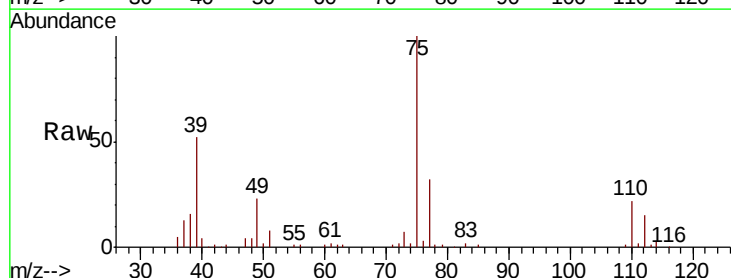
Acq: 02 Oct 2020 10:51

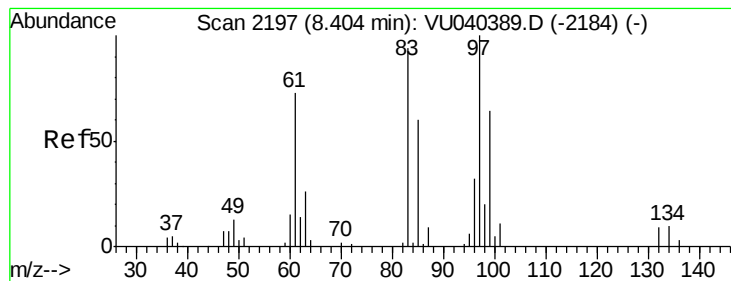
Tgt Ion: 75 Resp: 96717

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 5.224 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

Tot Ion: 97 Resp: 53492

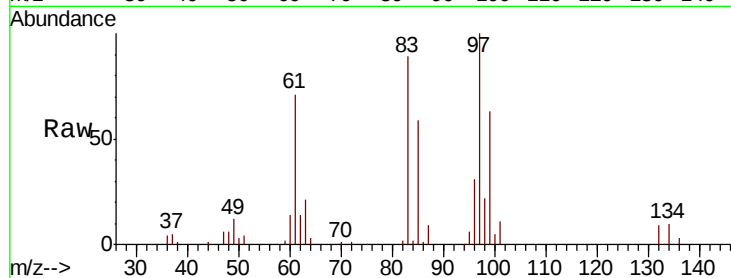
Ion Ratio Lower Upper

97 100

99 63.1 45.8 85.0

83 89.4 62.9 116.9

85 58.7 41.7 77.5



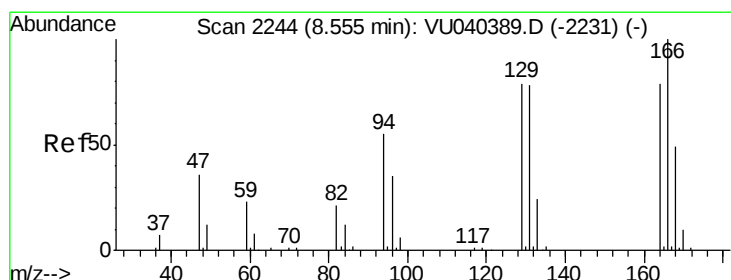
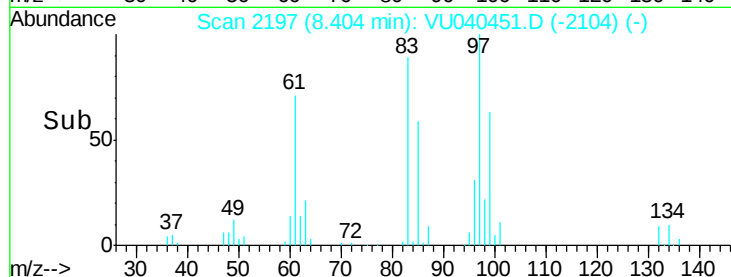
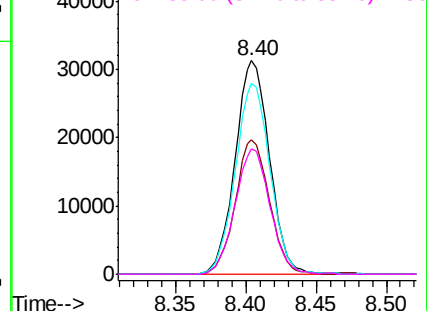
Abundance

Ion 96.95 (96.65 to 97.65): VU040451.D (-2184) (-)

Ion 99.05 (98.75 to 99.75): VU040451.D (-2184) (-)

Ion 82.95 (82.65 to 83.65): VU040451.D (-2184) (-)

Ion 85.00 (84.70 to 85.70): VU040451.D (-2184) (-)



#47

Tetrachloroethene

Concen: 5.190 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

Tgt Ion: 164 Resp: 51311

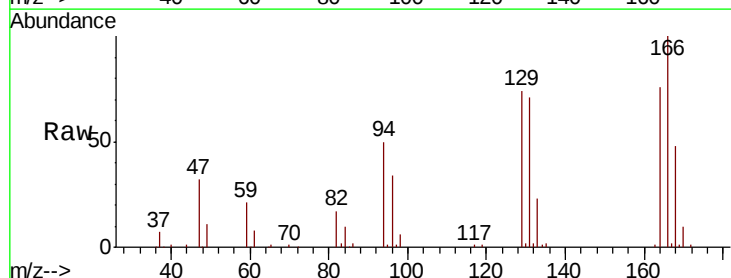
Ion Ratio Lower Upper

164 100

129 97.7 70.3 130.7

131 93.5 69.2 128.6

166 131.2 91.1 169.3



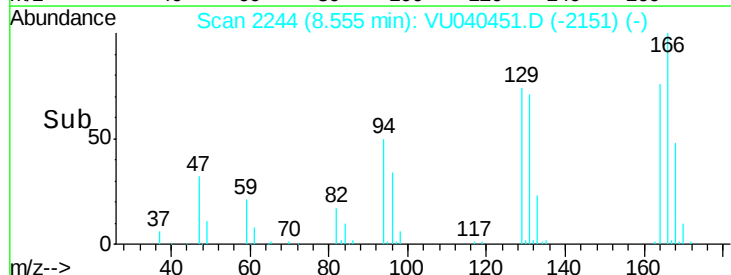
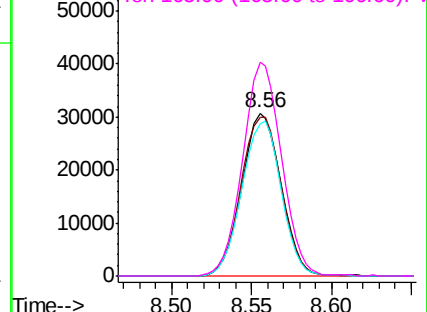
Abundance

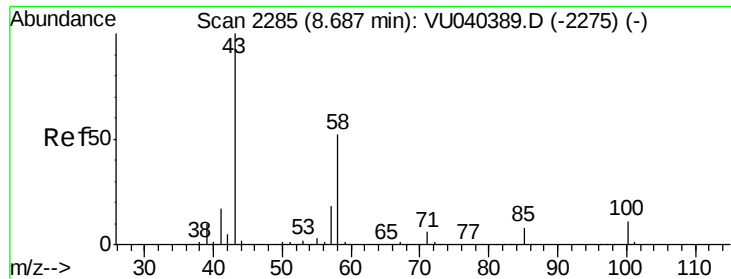
Ion 163.90 (163.60 to 164.60): VU040451.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU040451.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU040451.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU040451.D (-2231) (-)

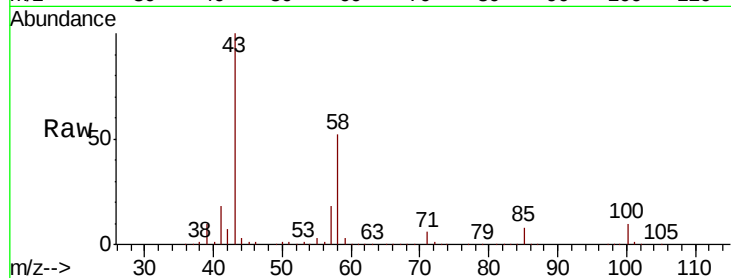




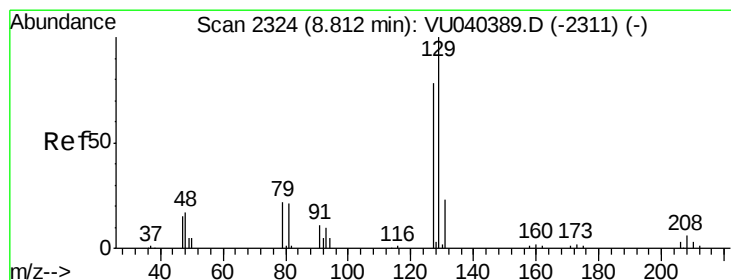
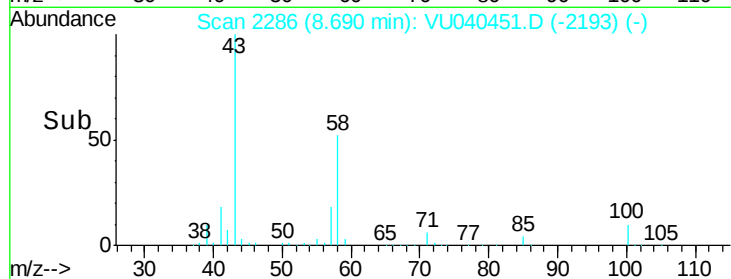
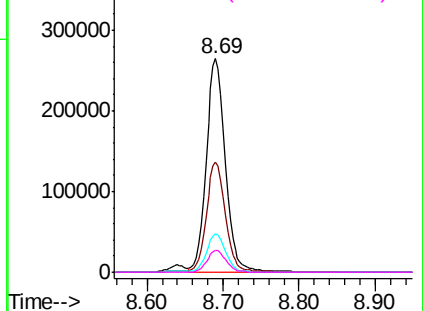
#48
2-Hexanone
Concen: 54.819 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040451.D
Acq: 02 Oct 2020 10:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion: 43 Resp: 462048
Ion Ratio Lower Upper
43 100
58 50.6 41.0 61.4
57 17.9 14.6 22.0
100 10.4 8.2 12.4

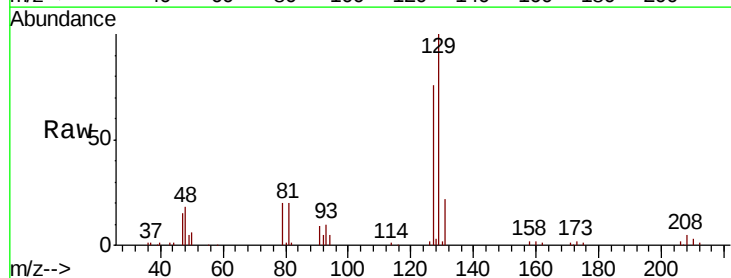


Abundance Ion 43.05 (42.75 to 43.75): VU040389.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU040389.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU040389.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU040389.D (-2275) (-)

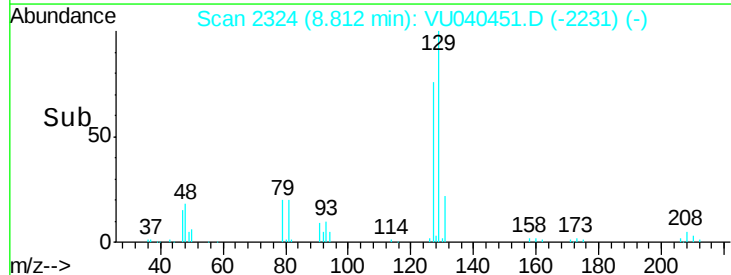
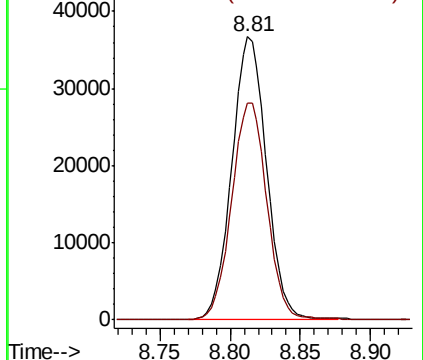


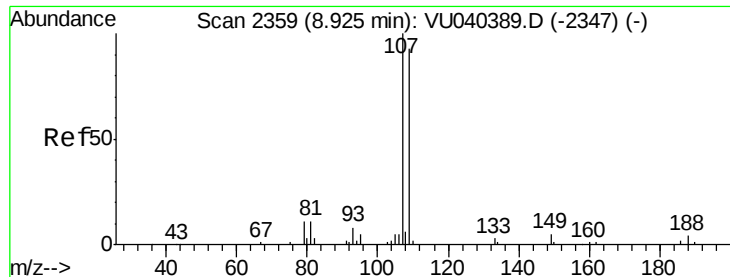
#49
Dibromochloromethane
Concen: 5.316 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU040451.D
Acq: 02 Oct 2020 10:51

Tgt Ion: 129 Resp: 63318
Ion Ratio Lower Upper
129 100
127 76.4 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040389.D (-2311) (-)
Ion 126.90 (126.60 to 127.60): VU040389.D (-2311) (-)





#50

1,2-Dibromoethane

Concen: 5.280 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

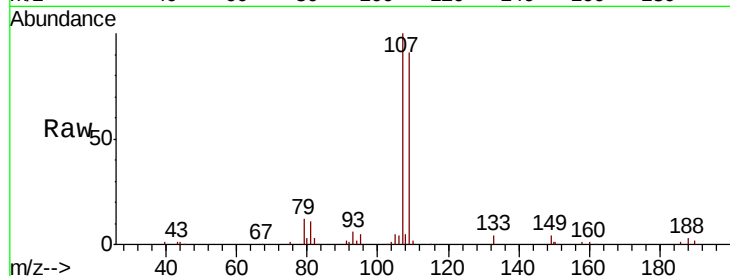
Tot Ion:107 Resp: 51855

Ion Ratio Lower Upper

107 100

109 90.7 69.4 128.8

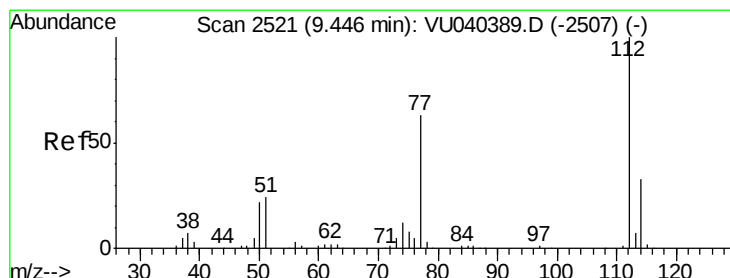
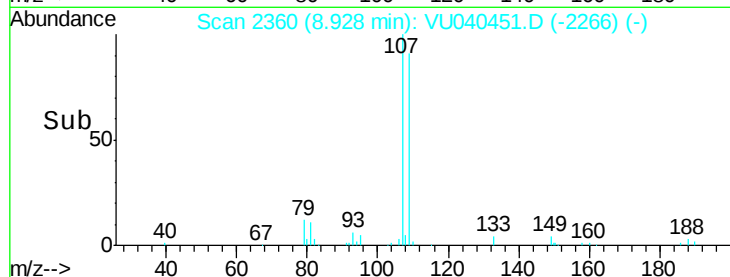
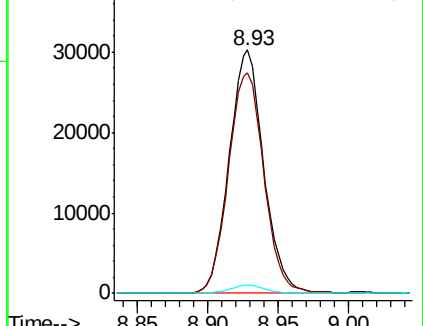
188 3.3 3.3 4.9



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.252 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

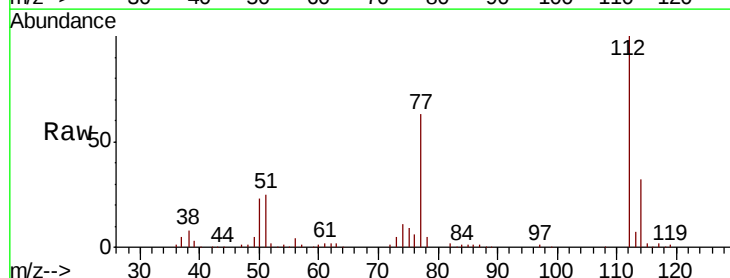
Tgt Ion:112 Resp: 182626

Ion Ratio Lower Upper

112 100

114 31.9 22.0 40.8

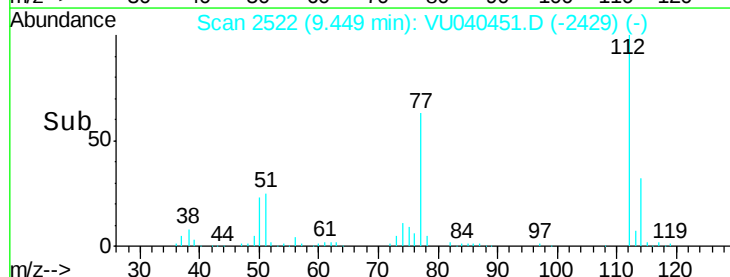
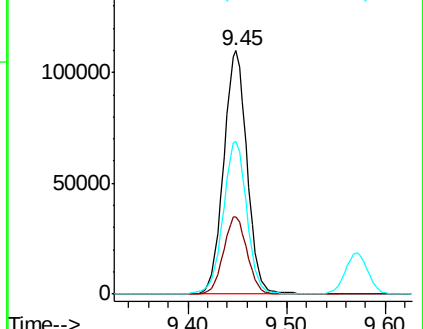
77 62.9 49.5 74.3

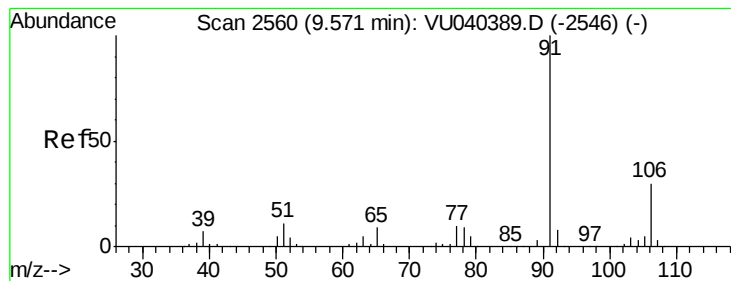


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 5.415 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

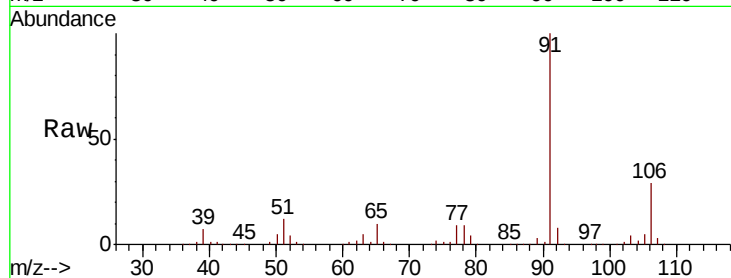
VSTD00508

Tot Ion: 91 Resp: 316016

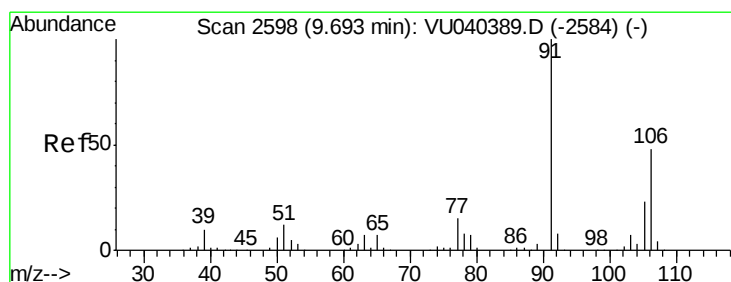
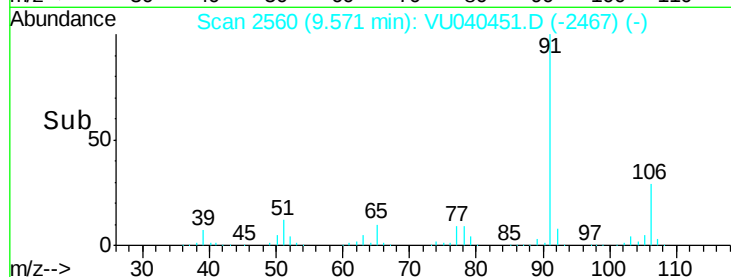
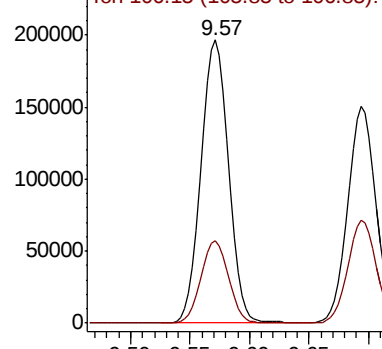
Ion Ratio Lower Upper

91 100

106 29.2 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040389.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.446 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040451.D

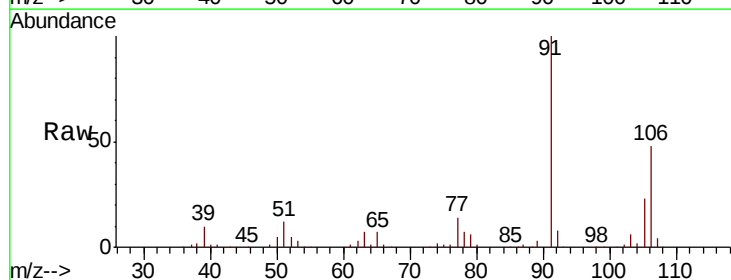
Acq: 02 Oct 2020 10:51

Tgt Ion: 106 Resp: 118396

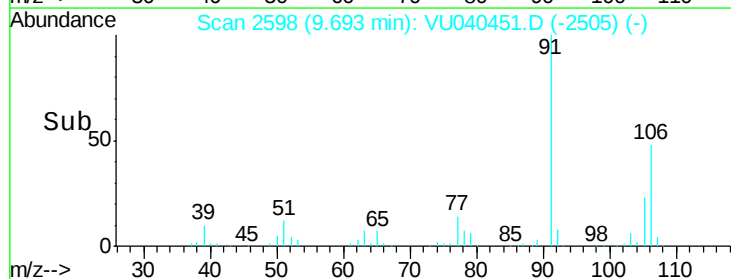
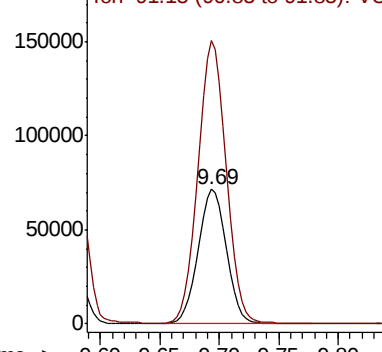
Ion Ratio Lower Upper

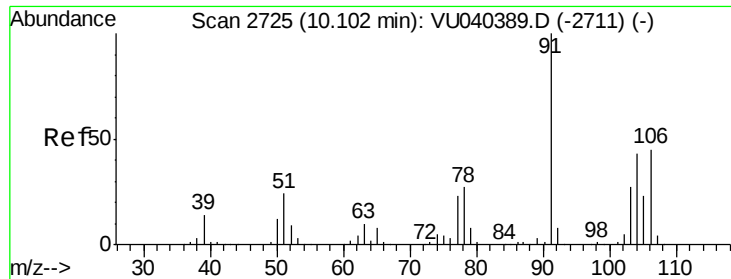
106 100

91 210.4 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040389.D (-2584) (-)

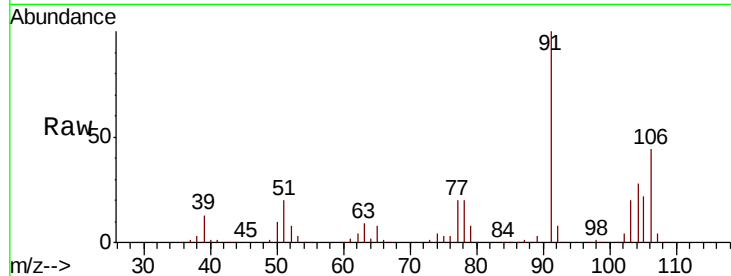




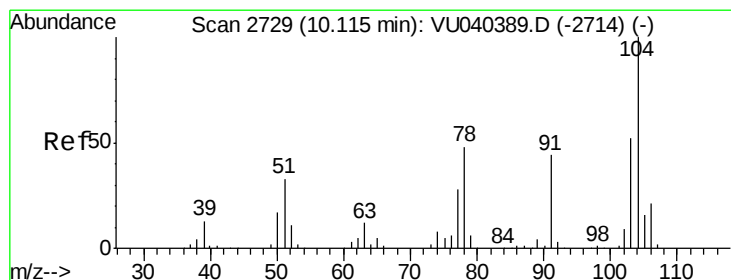
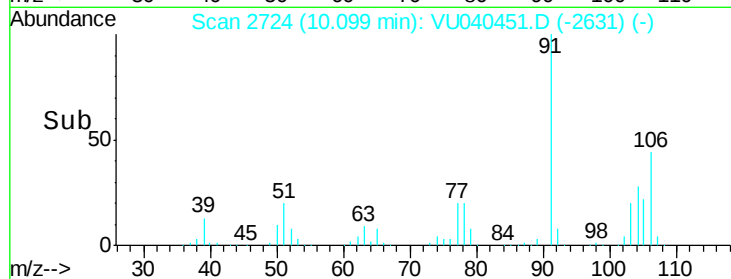
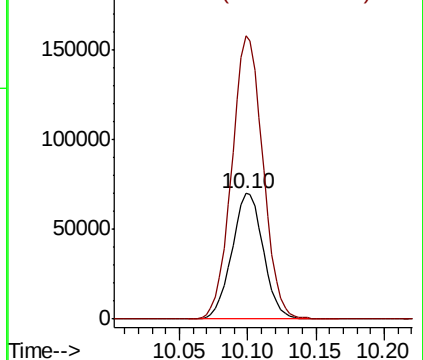
#54
o-Xylene
Concen: 5.483 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU040451.D
Acq: 02 Oct 2020 10:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion:106 Resp: 112151
Ion Ratio Lower Upper
106 100
91 225.6 160.9 298.9

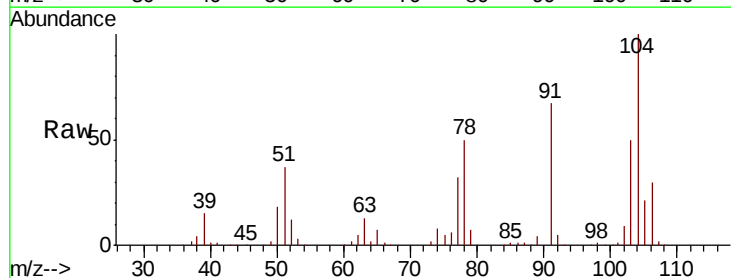


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

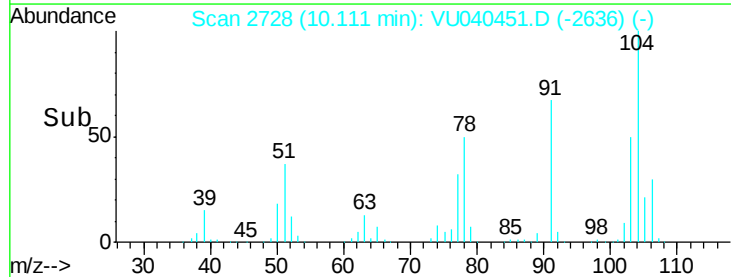
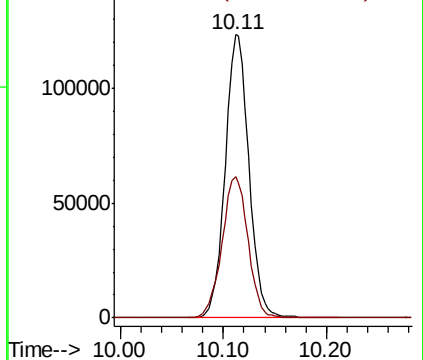


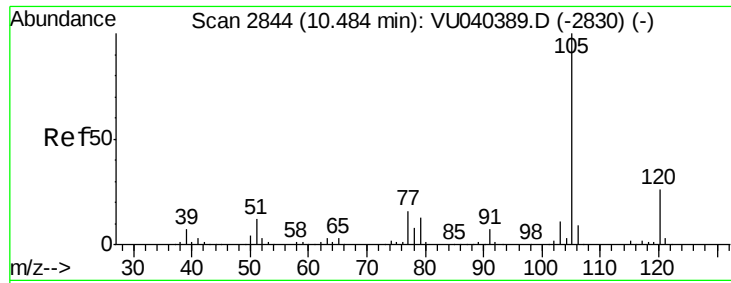
#55
Styrene
Concen: 5.542 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU040451.D
Acq: 02 Oct 2020 10:51

Tgt Ion:104 Resp: 197721
Ion Ratio Lower Upper
104 100
78 50.0 34.4 63.8



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





#56

Isopropylbenzene

Concen: 5.513 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

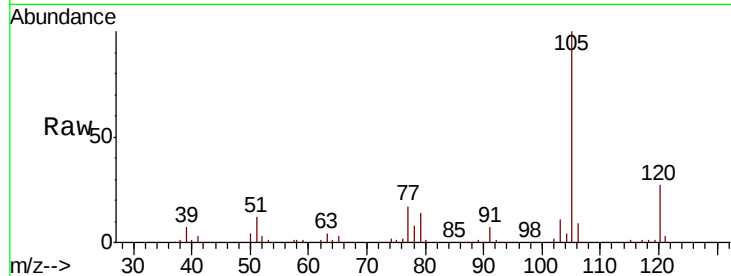
Tot Ion:105 Resp: 304287

Ion Ratio Lower Upper

105 100

120 26.5 20.6 30.8

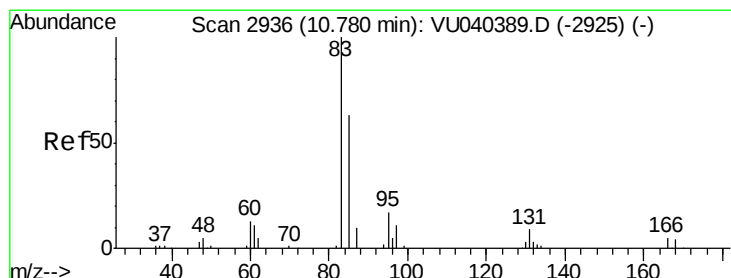
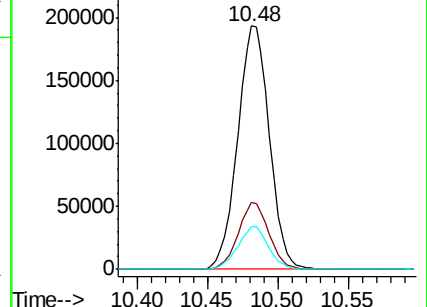
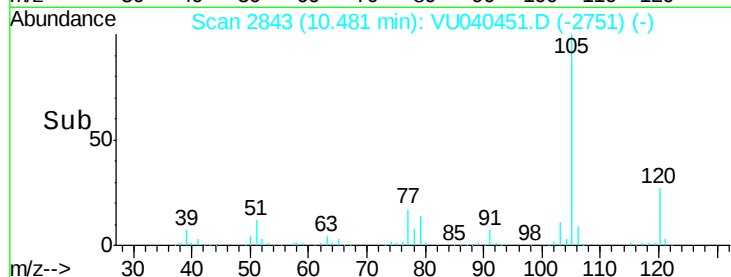
77 17.1 14.3 21.5



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: 5.055 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

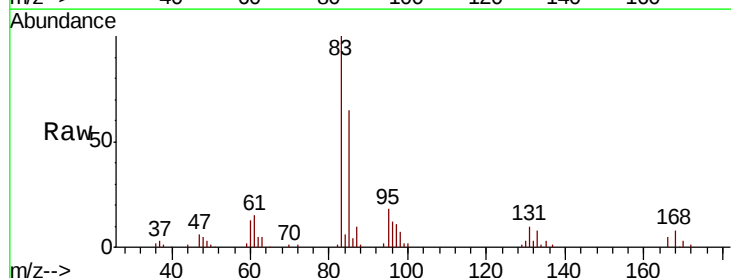
Tgt Ion: 83 Resp: 70157

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.9

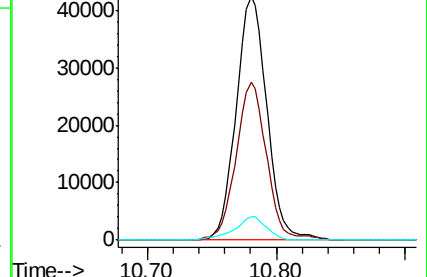
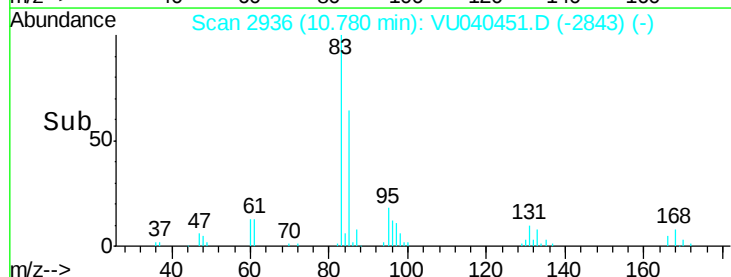
131 9.7 6.6 10.0

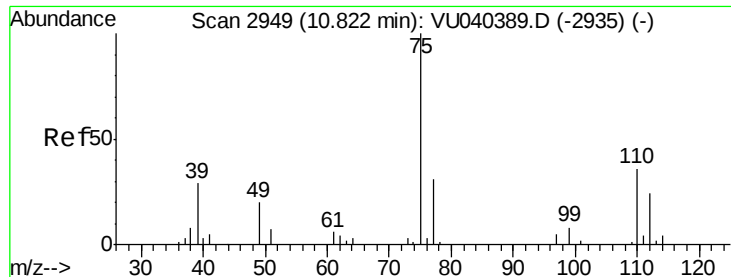


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

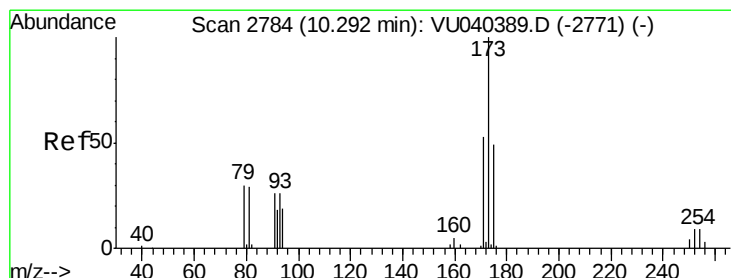
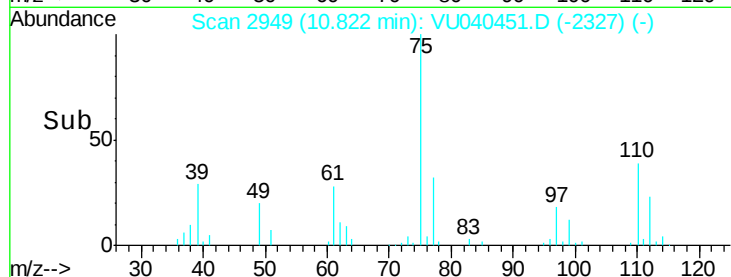
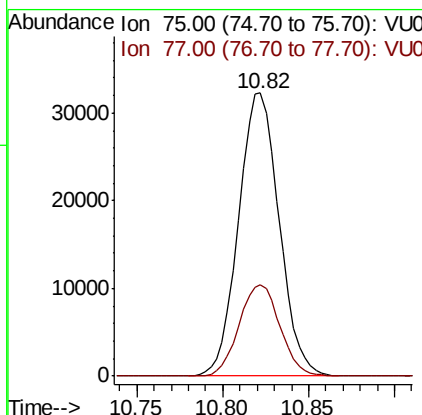
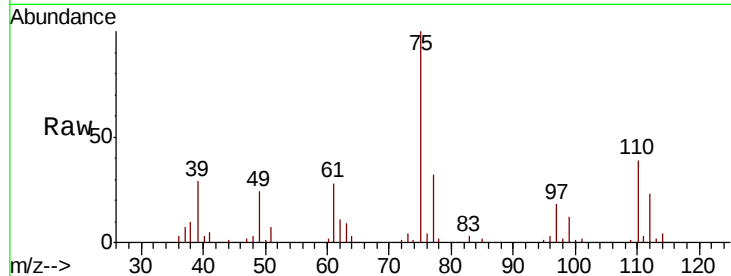




#59
 1,2,3-Trichloropropane
 Concen: 4.989 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040451.D
 Acq: 02 Oct 2020 10:51

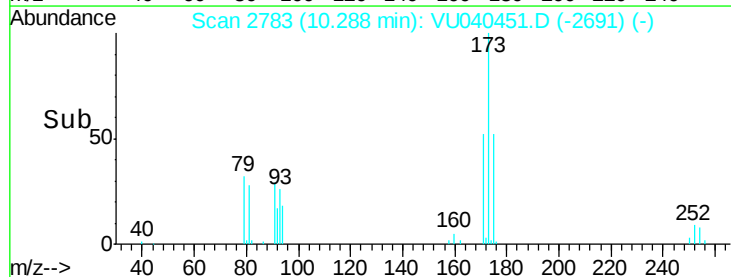
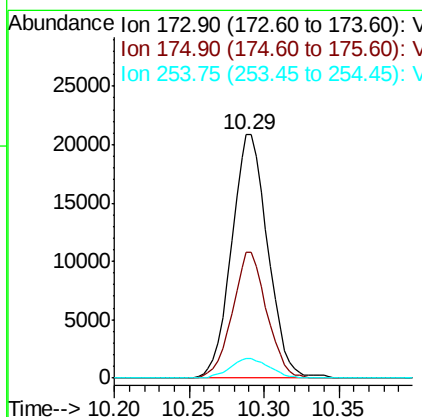
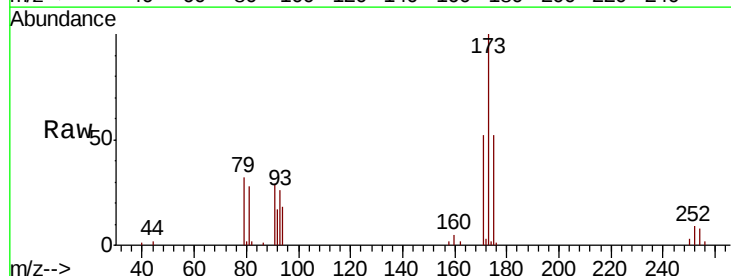
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

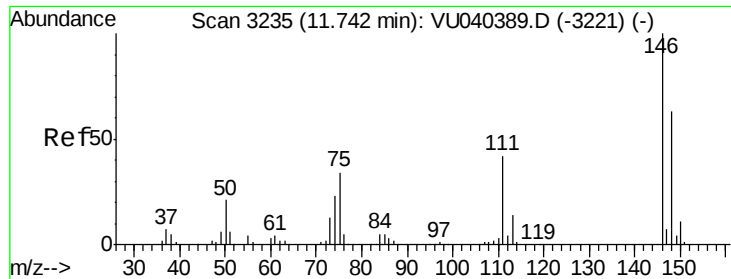
Tot Ion: 75 Resp: 52821
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.7 38.5



#61
 Bromoform
 Concen: 5.328 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU040451.D
 Acq: 02 Oct 2020 10:51

Tgt Ion: 173 Resp: 35073
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.6 59.4
 254 8.5 7.0 10.4

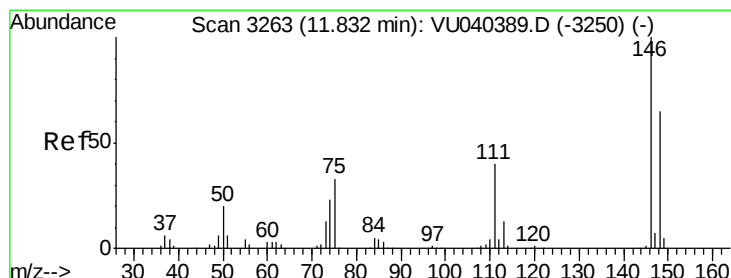
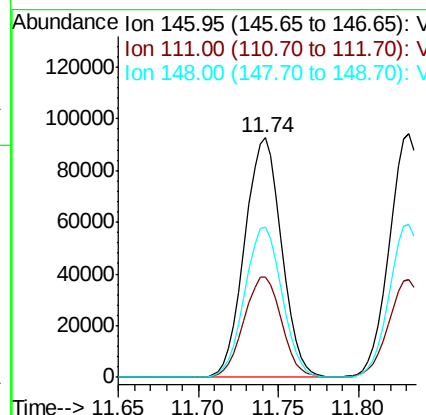
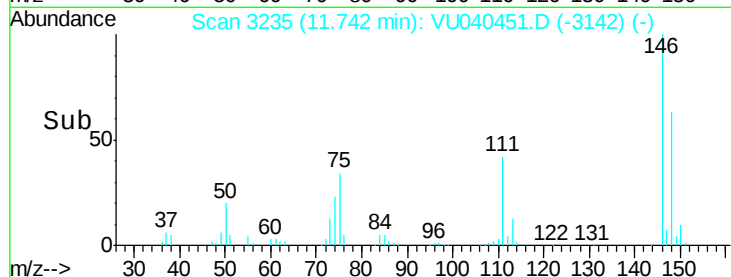
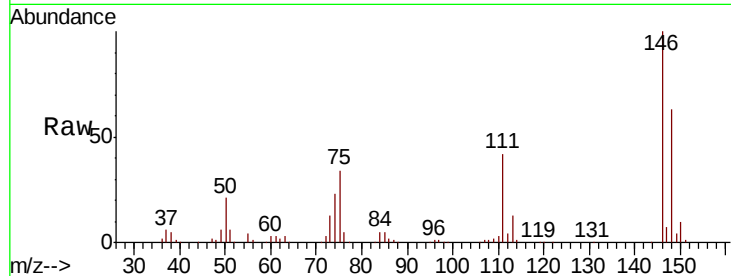




#62
 1,3-Dichlorobenzene
 Concen: 5.529 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040451.D
 Acq: 02 Oct 2020 10:51

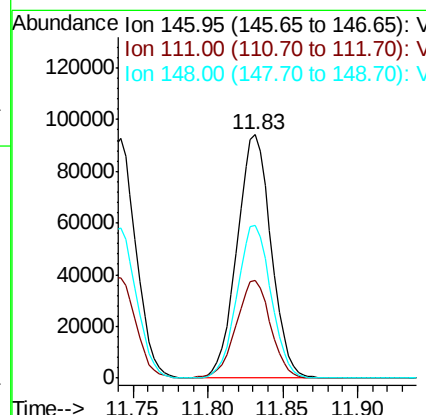
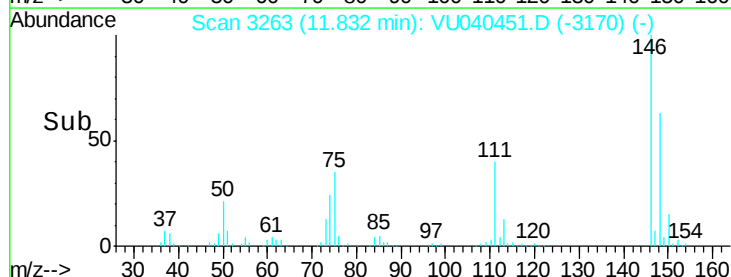
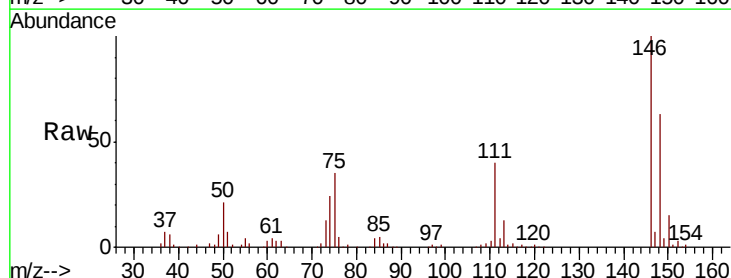
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

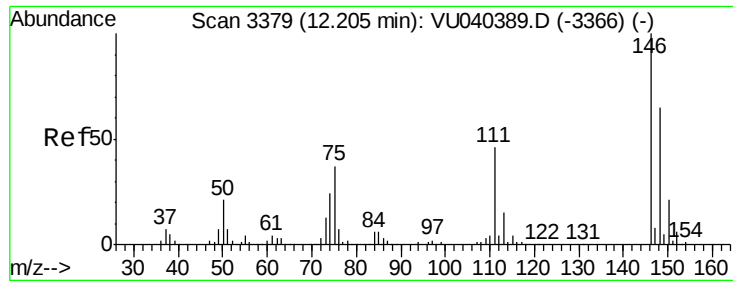
Tot Ion:146 Resp: 145813
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.6 53.0
 148 62.7 43.4 80.6



#63
 1,4-Dichlorobenzene
 Concen: 5.443 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040451.D
 Acq: 02 Oct 2020 10:51

Tgt Ion:146 Resp: 149297
 Ion Ratio Lower Upper
 146 100
 111 40.2 29.2 54.2
 148 63.0 44.4 82.4





#65

1,2-Dichlorobenzene

Concen: 5.438 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

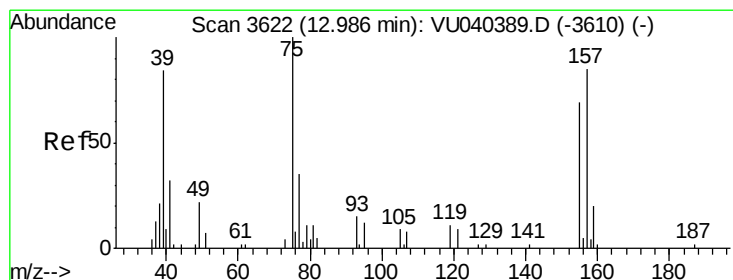
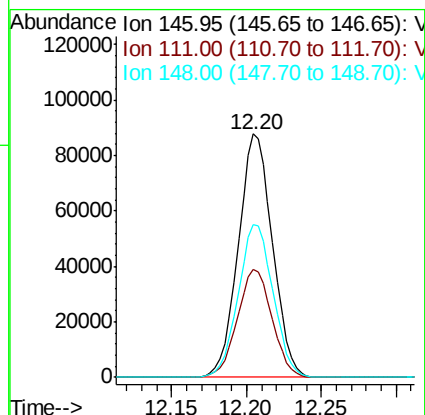
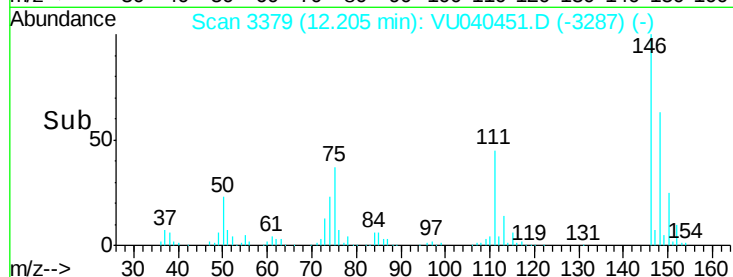
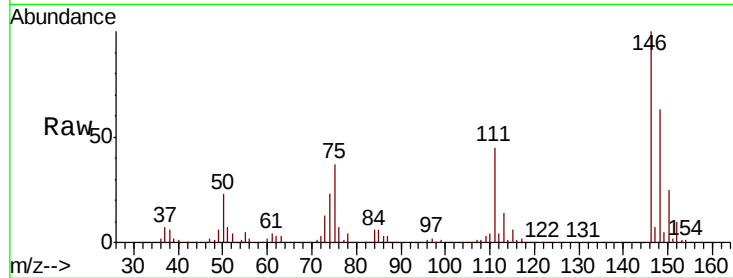
Tot Ion:146 Resp: 139420

Ion Ratio Lower Upper

146 100

111 44.5 35.6 53.4

148 62.9 49.8 74.6



#66

1,2-Dibromo-3-chloropropane

Concen: 5.282 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

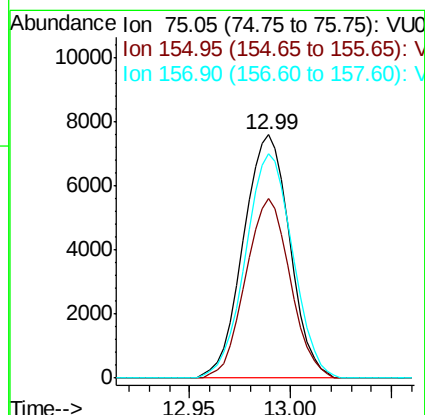
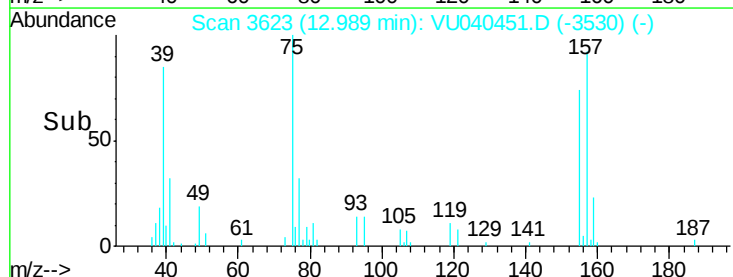
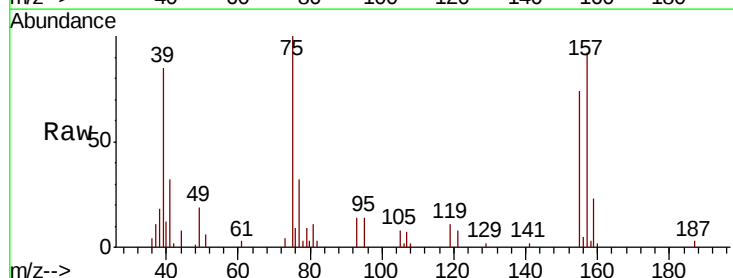
Tgt Ion: 75 Resp: 12205

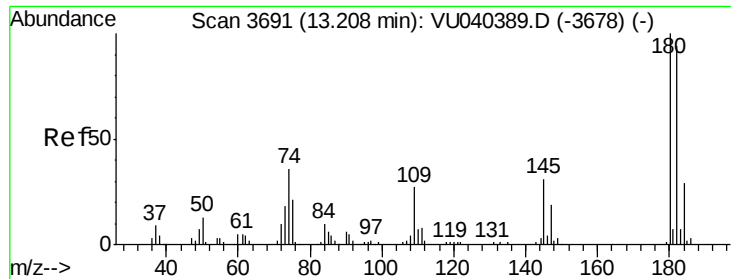
Ion Ratio Lower Upper

75 100

155 73.7 59.4 89.2

157 91.9 65.0 97.4

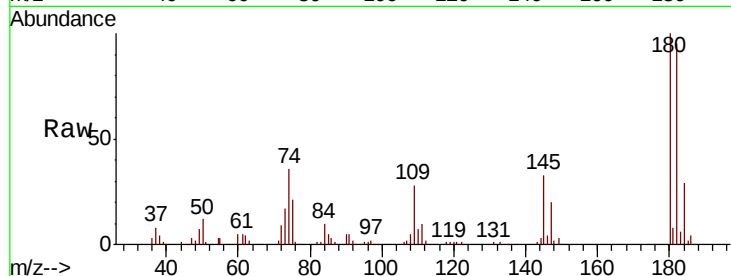




#67
 1,3,5-Trichlorobenzene
 Concen: 5.530 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040451.D
 Acq: 02 Oct 2020 10:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.5	114.7
184	29.3	24.6	37.0
145	32.9	25.8	38.8

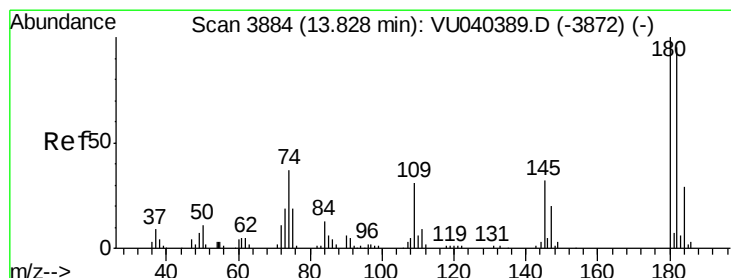
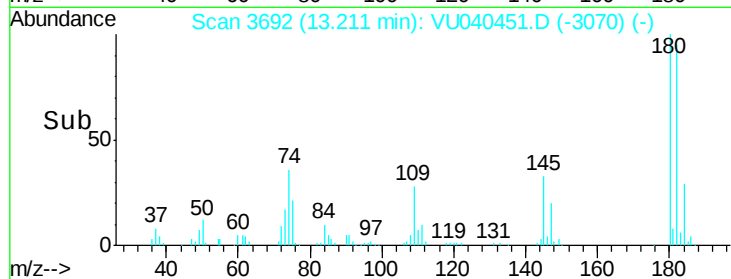
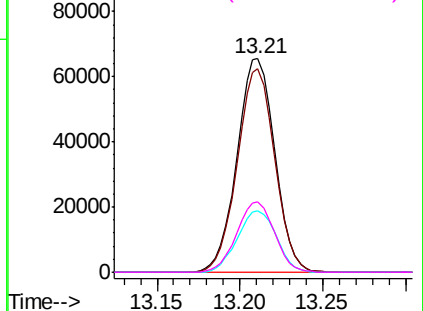


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

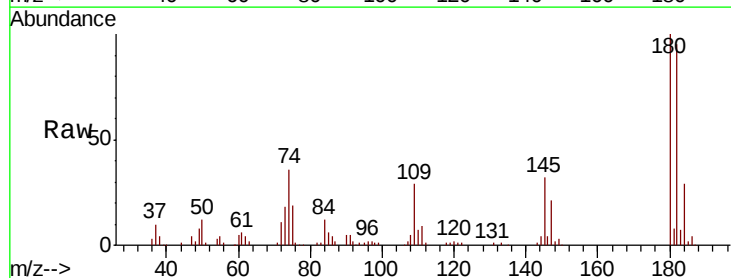
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.807 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040451.D
 Acq: 02 Oct 2020 10:51

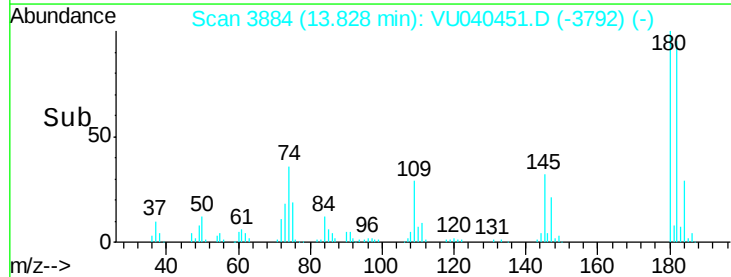
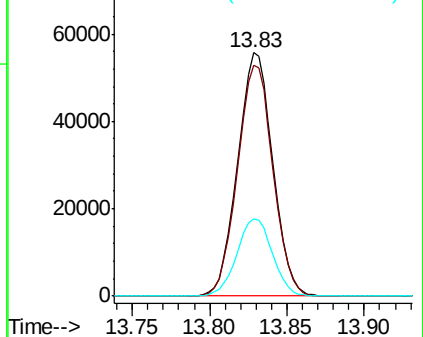
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	115.0
145	32.0	26.3	39.5

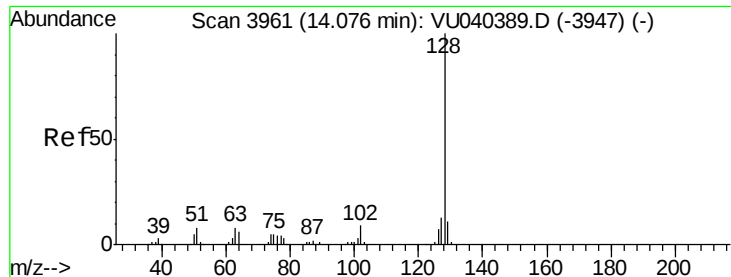


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 6.142 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

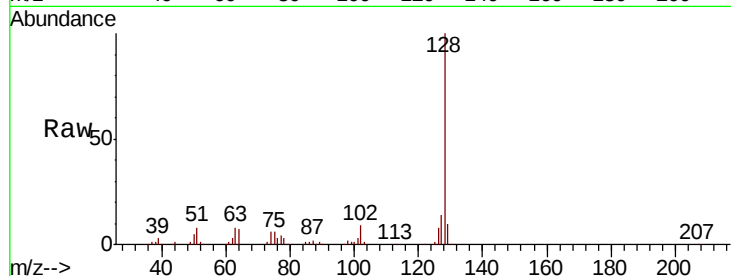
Tot Ion:128 Resp: 158801

Ion Ratio Lower Upper

128 100

129 10.6 8.2 12.4

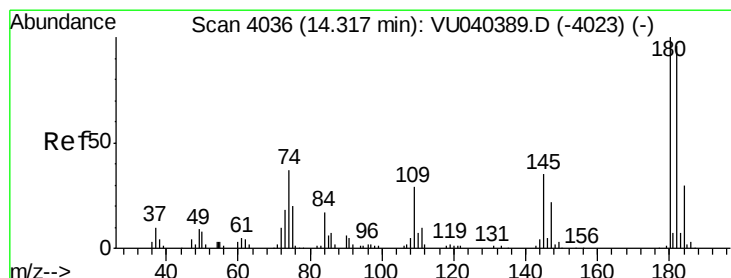
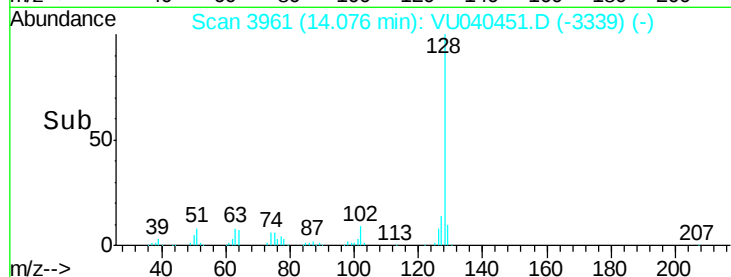
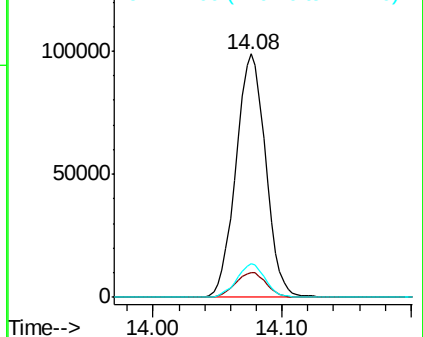
127 13.2 10.2 15.4



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: 5.775 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040451.D

Acq: 02 Oct 2020 10:51

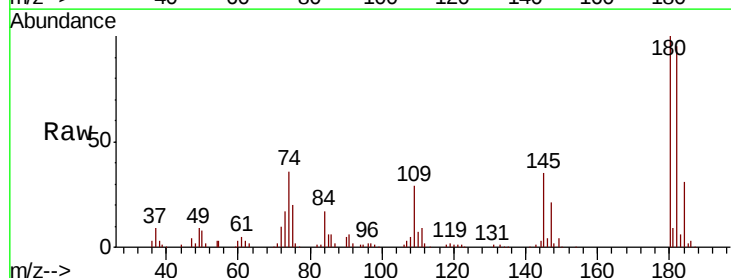
Tgt Ion:180 Resp: 79946

Ion Ratio Lower Upper

180 100

182 95.9 76.6 115.0

145 35.9 27.8 41.6



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

