

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
 Data File : VU040288.D
 Acq On : 25 Sep 2020 09:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Quant Time: Sep 26 04:47:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 24 02:21:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	140763	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	135030	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	71576	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	35752	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.92	69	33605	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.00%
11) 1,1-Dichloroethene-d2	2.58	63	89887	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.20%
20) 2-Butanone-d5	4.66	46	179769	58.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.96%
24) Chloroform-d	5.08	84	80691	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.72	65	49090	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.74	84	149314	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.70	67	51937	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.90	98	133122	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	8.19	79	21311	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.64	63	129949	57.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.94%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45667	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	51829	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	57165	4.092	ug/L	98
3) Chloromethane	1.53	50	59068	4.416	ug/L	100
5) Vinyl chloride	1.61	62	62986	4.645	ug/L	96
6) Bromomethane	1.87	94	33511	4.835	ug/L	98
8) Chloroethane	1.94	64	39096	4.798	ug/L	98
9) Trichlorofluoromethane	2.15	101	89258	4.596	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	58465	4.644	ug/L	97
12) 1,1-Dichloroethene	2.59	96	52953	4.861	ug/L	93
13) Acetone	2.67	43	159281	55.972	ug/L	66
14) Carbon disulfide	2.81	76	144907	4.149	ug/L	100
15) Methyl Acetate	2.97	43	36447	5.103	ug/L	96
16) Methylene chloride	3.06	84	61277	4.295	ug/L	96
17) Methyl tert-butyl Ether	3.38	73	157165	4.787	ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	54576	4.657	ug/L	96
19) 1,1-Dichloroethane	3.89	63	115601	4.793	ug/L	100
21) 2-Butanone	4.74	43	258791	55.703	ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	61841	4.908	ug/L	100

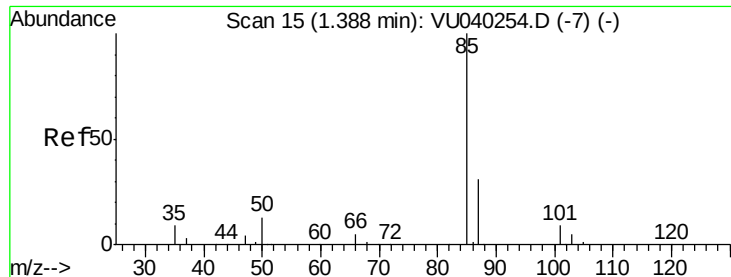
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	28069	5.084	ug/L	98
25) Chloroform	5.11	83	119754	4.848	ug/L	99
27) 1,2-Dichloroethane	5.81	62	82119	4.538	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	99252	4.681	ug/L	99
30) Cyclohexane	5.40	56	97552	4.745	ug/L	98
31) Carbon tetrachloride	5.54	117	83844	4.621	ug/L	100
33) Benzene	5.79	78	237810	4.923	ug/L	100
34) Trichloroethene	6.55	95	62145	4.796	ug/L	98
35) Methylcyclohexane	6.77	83	89699	4.521	ug/L	99
37) 1,2-Dichloropropane	6.80	63	66584	5.090	ug/L	100
38) Bromodichloromethane	7.11	83	86575	4.849	ug/L	96
39) cis-1,3-Dichloropropene	7.61	75	94312	4.889	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	591586	55.123	ug/L	100
42) Toluene	7.97	91	248065	4.986	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	87717	4.907	ug/L	94
45) 1,1,2-Trichloroethane	8.40	97	47695	5.005	ug/L	93
47) Tetrachloroethene	8.56	164	42860	5.036	ug/L	97
48) 2-Hexanone	8.69	43	441630	56.414	ug/L	99
49) Dibromochloromethane	8.81	129	56154	4.910	ug/L	99
50) 1,2-Dibromoethane	8.92	107	46708	5.084	ug/L	95
51) Chlorobenzene	9.45	112	158096	5.119	ug/L	97
52) Ethylbenzene	9.57	91	271449	4.802	ug/L	100
53) m,p-Xylene	9.69	106	101920	5.065	ug/L	95
54) o-Xylene	10.10	106	96817	5.049	ug/L	98
55) Styrene	10.11	104	174285	5.226	ug/L	99
56) Isopropylbenzene	10.48	105	268189	5.128	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	65001	5.320	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	49617	5.120	ug/L	97
61) Bromoform	10.29	173	32022	4.878	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	128800	4.923	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	130465	4.928	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	124332	4.912	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	11340	4.189	ug/L	99
67) 1,3,5-Trichlorobenzene	13.21	180	91469	4.973	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	76706	4.841	ug/L	98
69) Naphthalene	14.08	128	137971	4.178	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	71452	4.910	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.092 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Instrument :

MSVOA_U

ClientSampleId :

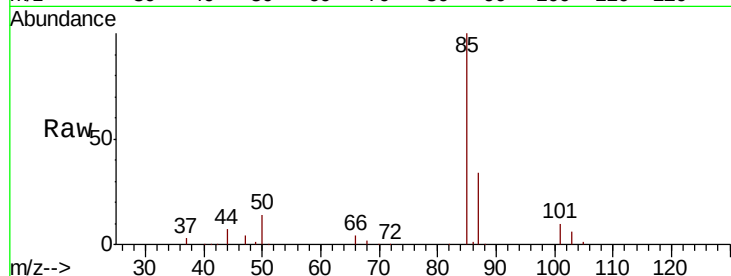
VSTD00519

Tot Ion: 85 Resp: 57165

Ion Ratio Lower Upper

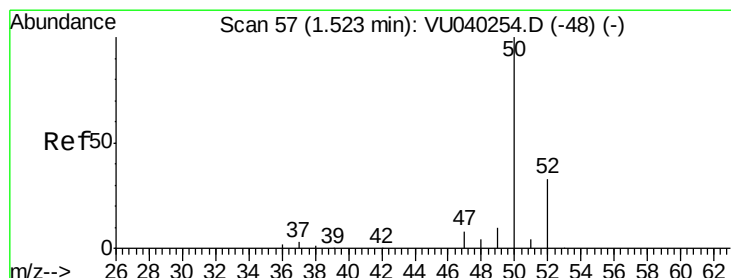
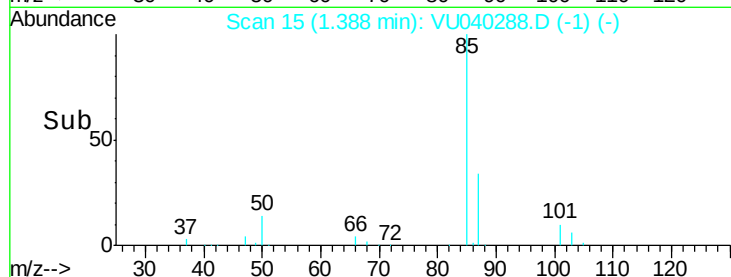
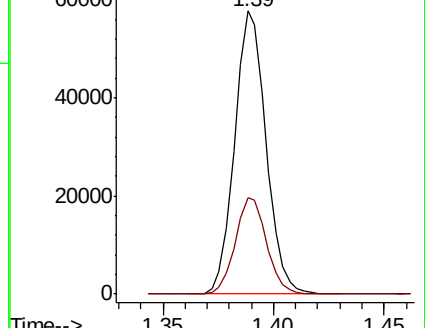
85 100

87 33.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040254.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040254.D (-7) (-)



#3

Chloromethane

Concen: 4.416 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040288.D

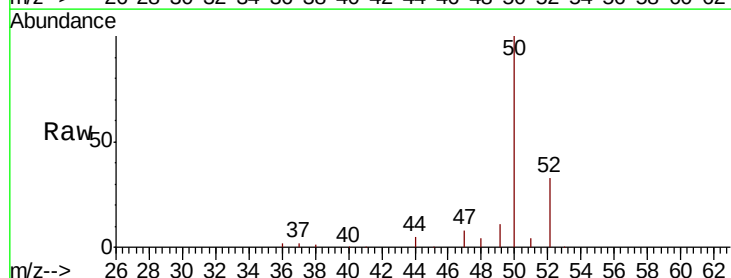
Acq: 25 Sep 2020 09:51

Tgt Ion: 50 Resp: 59068

Ion Ratio Lower Upper

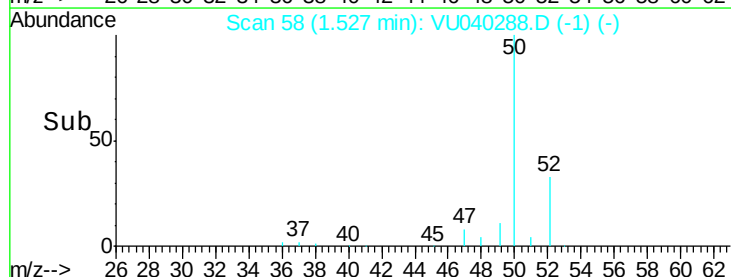
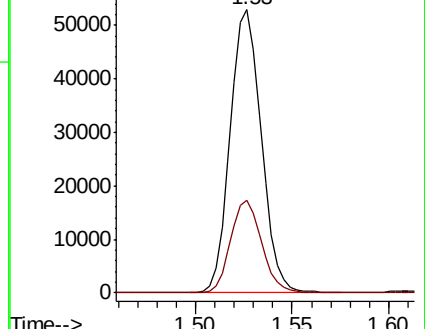
50 100

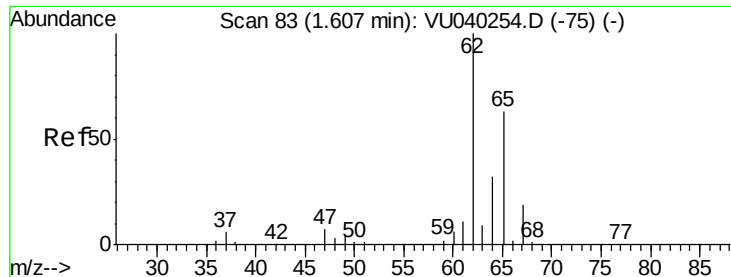
52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040288.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040288.D (-1) (-)





#5

Vinyl chloride

Concen: 4.645 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Instrument :

MSVOA_U

ClientSampleId :

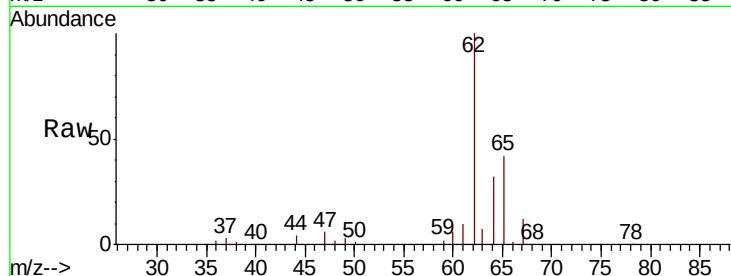
VSTD00519

Tot Ion: 62 Resp: 62986

Ion Ratio Lower Upper

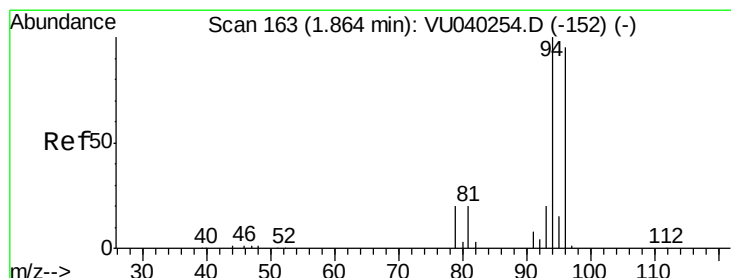
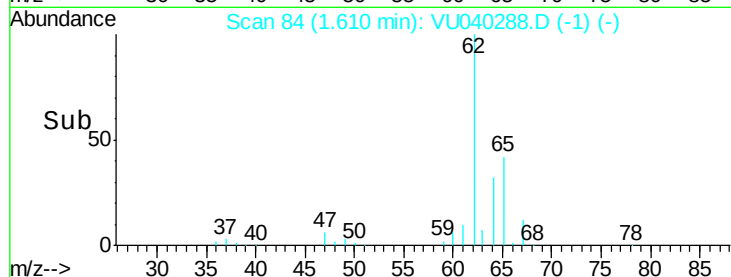
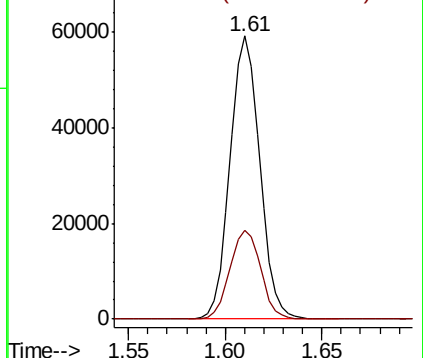
62 100

64 31.6 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.835 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040288.D

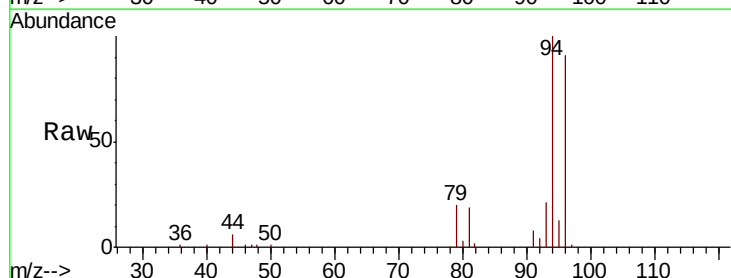
Acq: 25 Sep 2020 09:51

Tgt Ion: 94 Resp: 33511

Ion Ratio Lower Upper

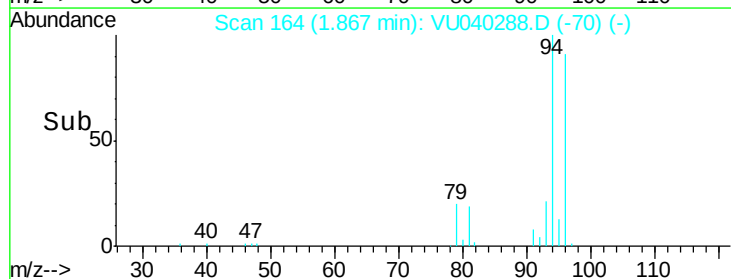
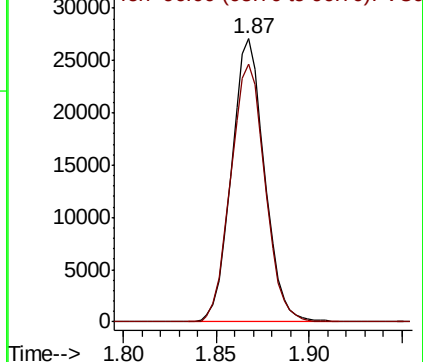
94 100

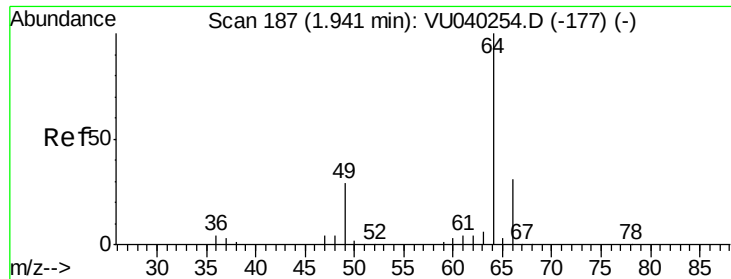
96 91.0 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

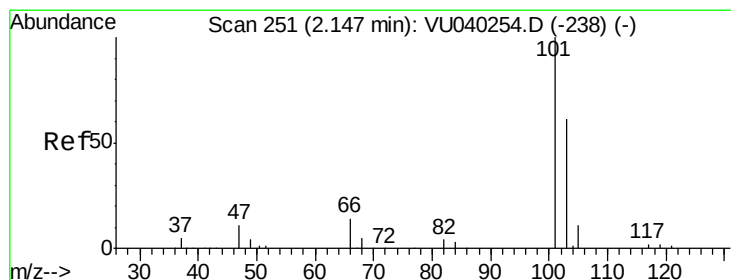
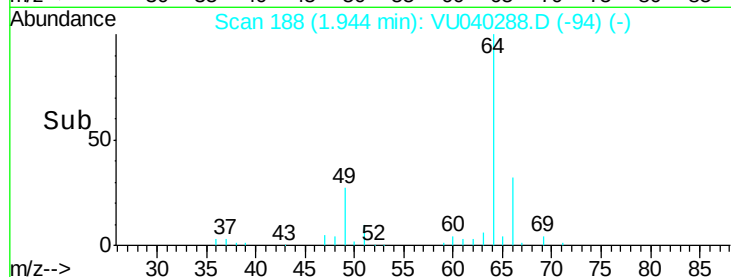
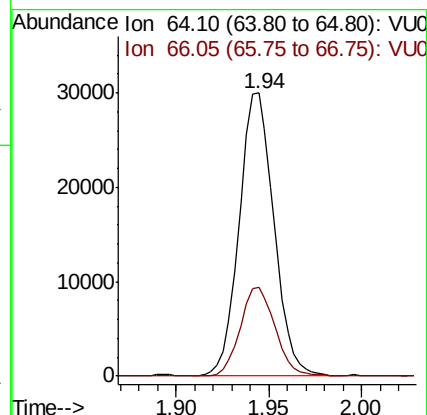
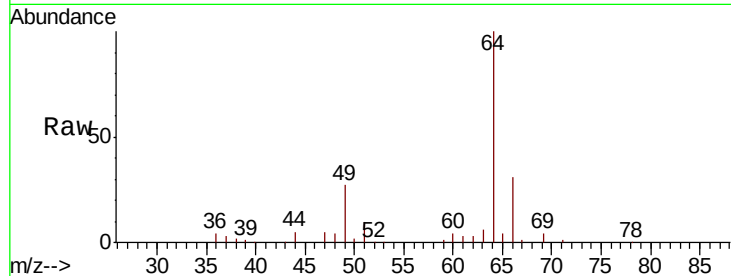




#8
Chloroethane
Concen: 4.798 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040288.D
Acq: 25 Sep 2020 09:51

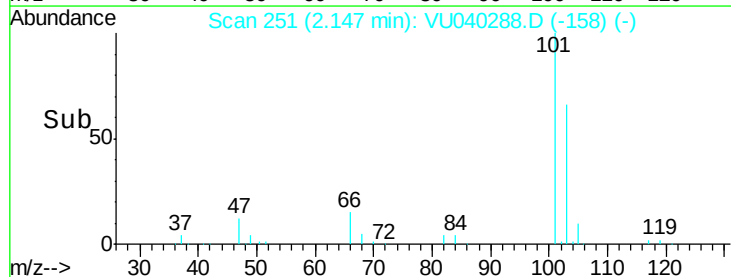
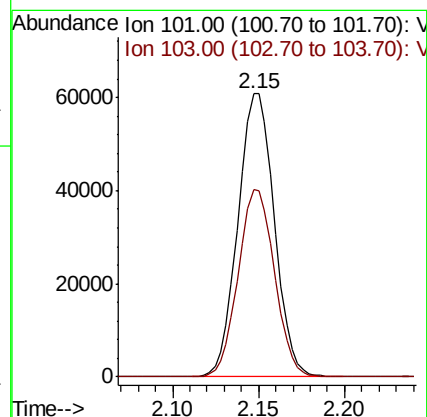
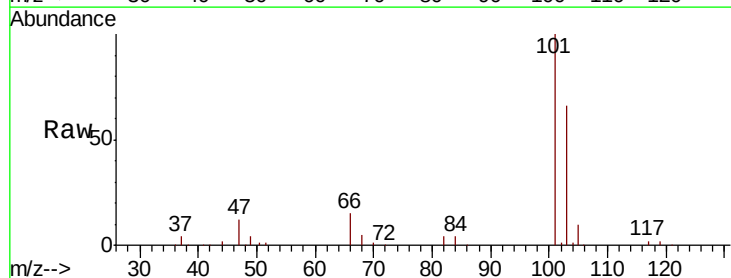
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

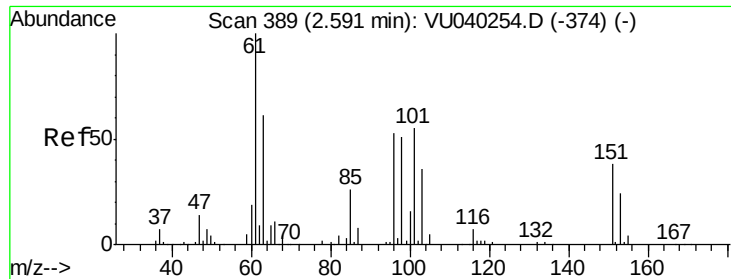
Tot Ion: 64 Resp: 39096
Ion Ratio Lower Upper
64 100
66 31.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.596 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040288.D
Acq: 25 Sep 2020 09:51

Tgt Ion:101 Resp: 89258
Ion Ratio Lower Upper
101 100
103 66.1 51.3 76.9





#10

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

Concen: 4.644 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

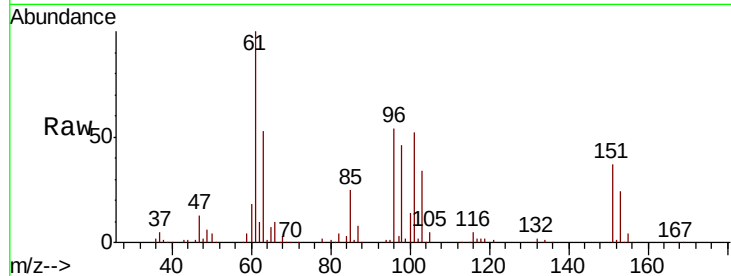
Tot Ion:101 Resp: 58465

Ion Ratio Lower Upper

101 100

85 46.2 37.7 56.5

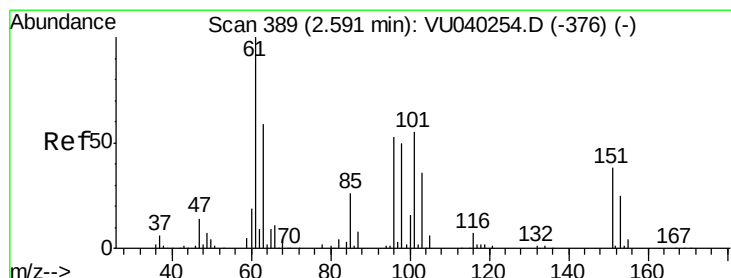
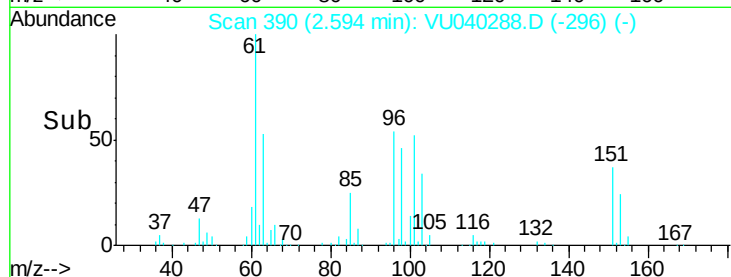
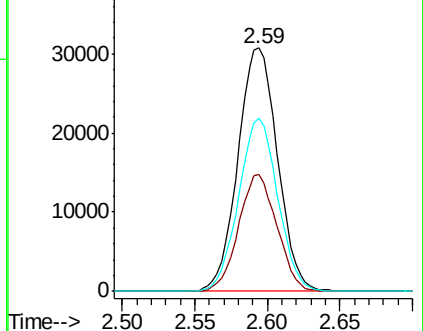
151 70.1 53.9 80.9



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: 4.861 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

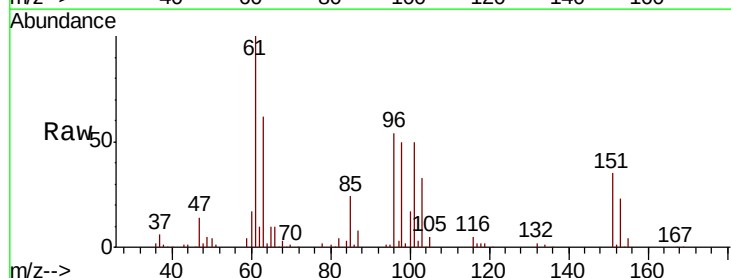
Tgt Ion: 96 Resp: 52953

Ion Ratio Lower Upper

96 100

61 184.6 138.3 256.8

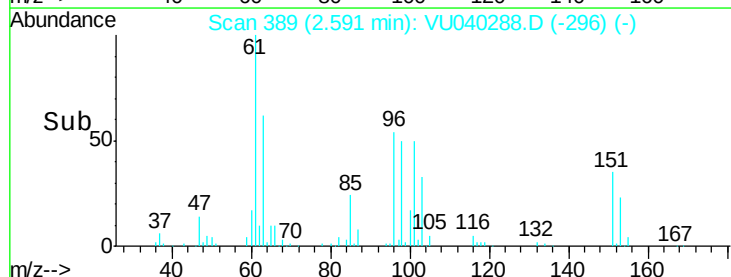
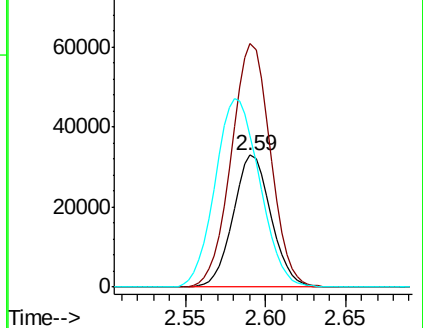
63 114.9 77.6 144.2

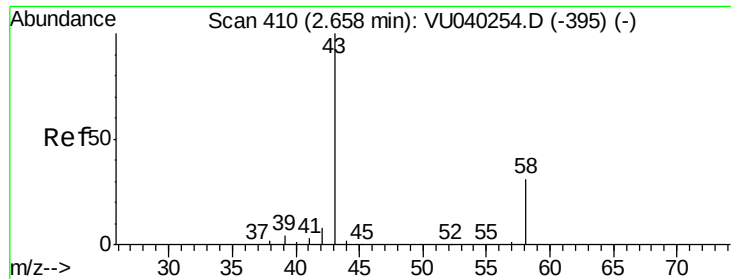


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.972 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Instrument :

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ClientSampleId :

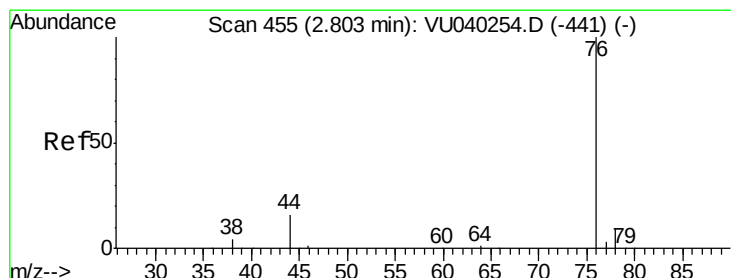
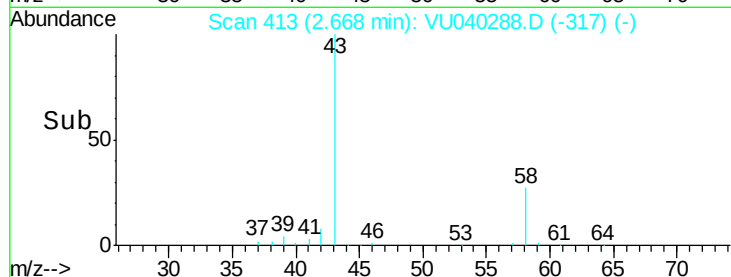
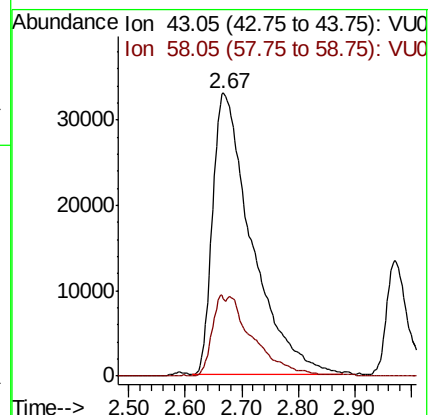
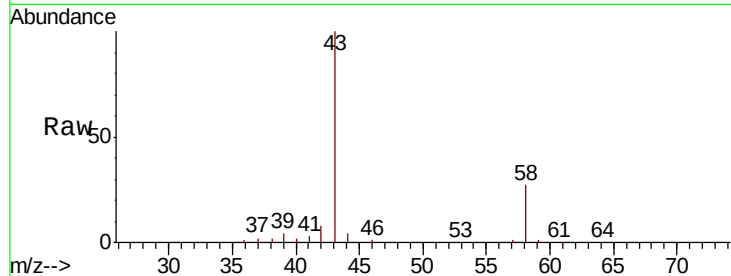
VSTD00519

Tot Ion: 43 Resp: 159281

Ion Ratio Lower Upper

43 100

58 9.8 0.0 55.4



#14

Carbon disulfide

Concen: 4.149 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040288.D

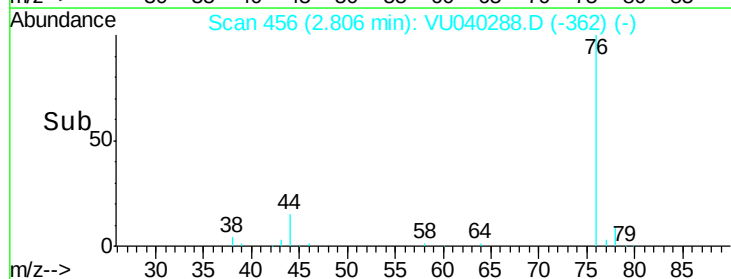
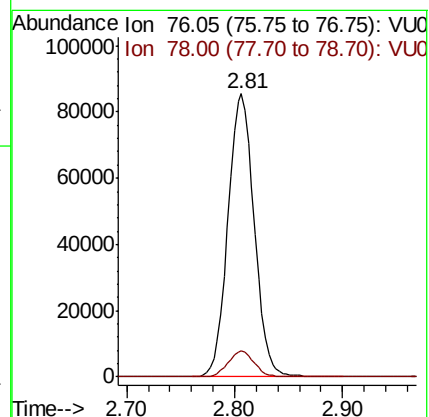
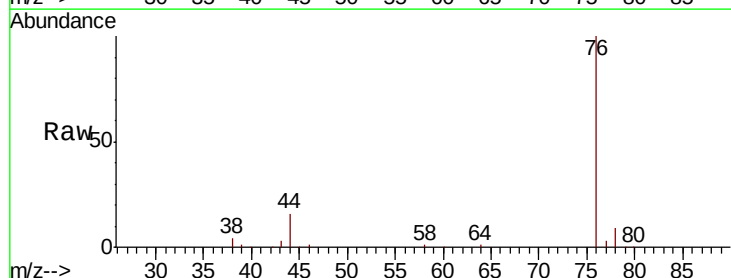
Acq: 25 Sep 2020 09:51

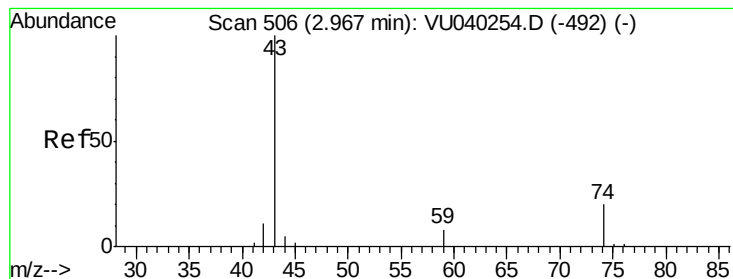
Tgt Ion: 76 Resp: 144907

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 5.103 ug/L

RT: 2.97 min Scan# 507

Delta R.T. 0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Instrument :

MSVOA_U

ClientSampleId :

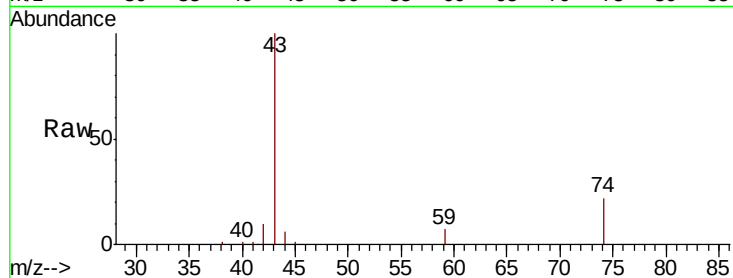
VSTD00519

Tot Ion: 43 Resp: 36447

Ion Ratio Lower Upper

43 100

74 19.9 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

15000

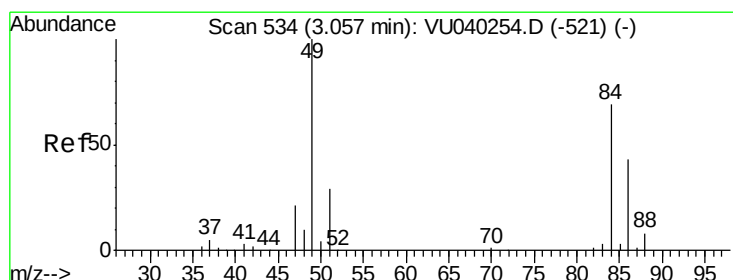
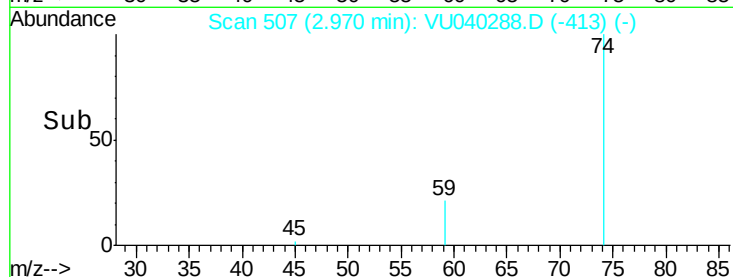
10000

5000

0

2.90 2.97 3.00 3.10

Time-->



#16

Methylene chloride

Concen: 4.295 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

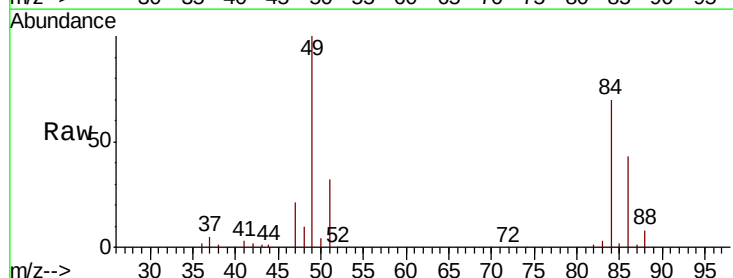
Tgt Ion: 84 Resp: 61277

Ion Ratio Lower Upper

84 100

86 62.3 45.2 84.0

49 143.4 104.0 193.2



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

60000

50000

40000

30000

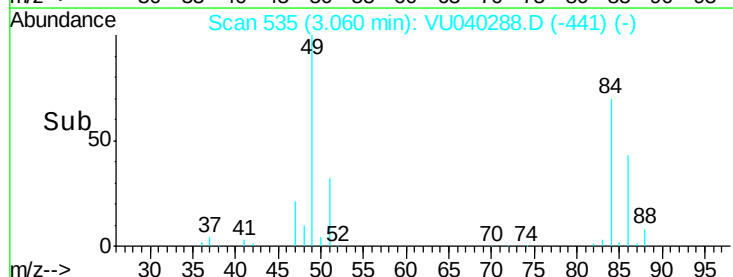
20000

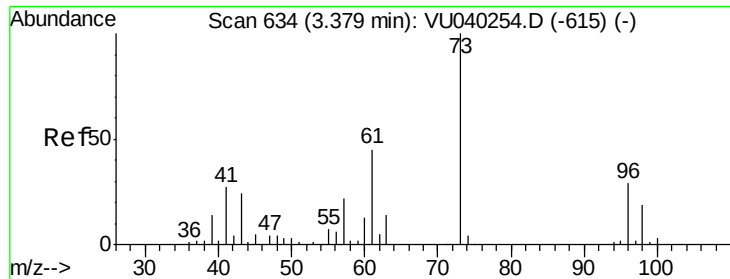
10000

0

2.95 3.00 3.05 3.10 3.15

Time-->

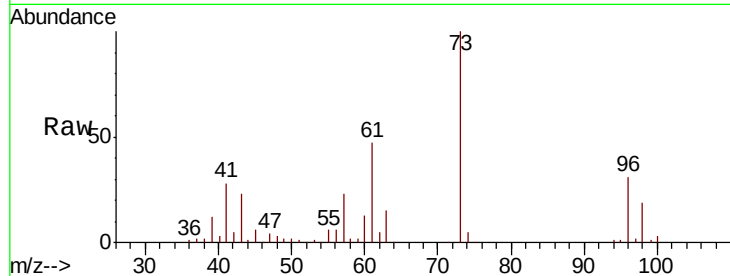




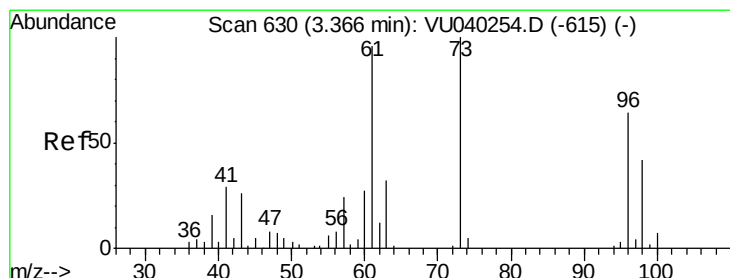
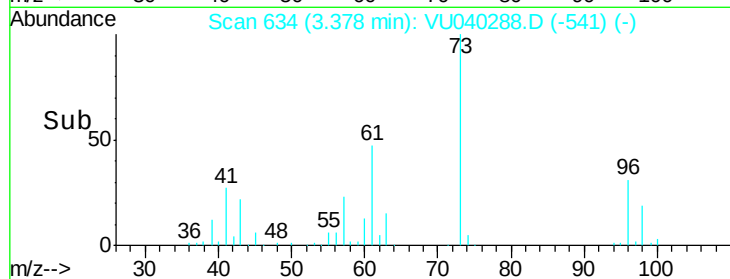
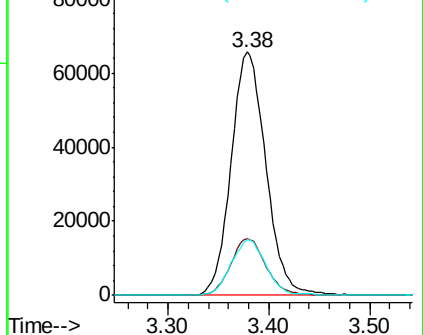
#17
Methyl tert-butyl Ether
Concen: 4.787 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040288.D
Acq: 25 Sep 2020 09:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion: 73 Resp: 157165
Ion Ratio Lower Upper
73 100
43 23.8 19.1 28.7
57 23.1 18.3 27.5

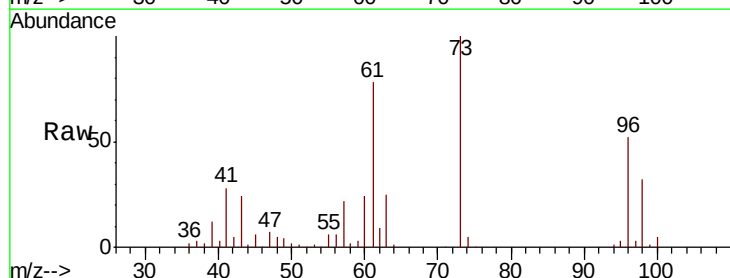


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

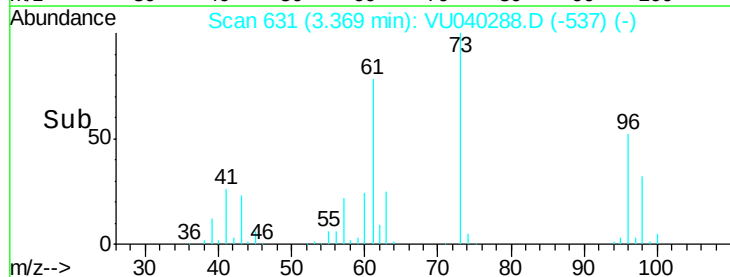
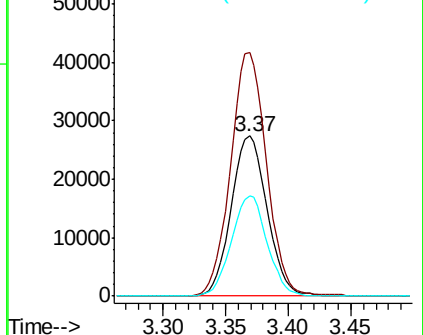


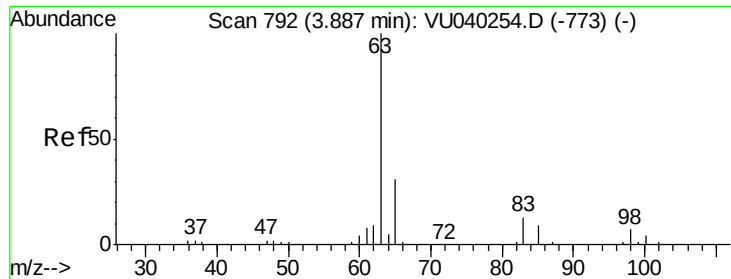
#18
trans-1,2-Dichloroethene
Concen: 4.657 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040288.D
Acq: 25 Sep 2020 09:51

Tgt Ion: 96 Resp: 54576
Ion Ratio Lower Upper
96 100
61 151.9 110.5 205.3
98 62.8 43.2 80.2



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

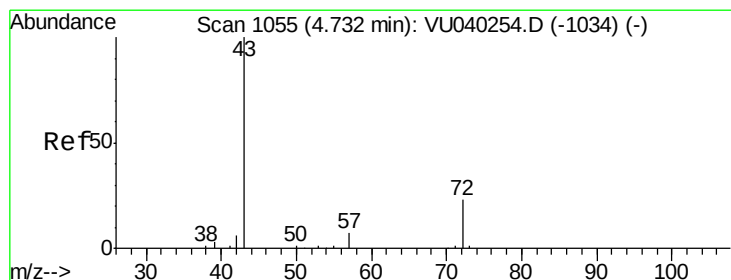
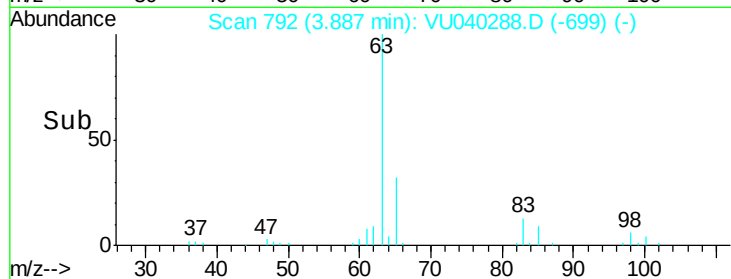
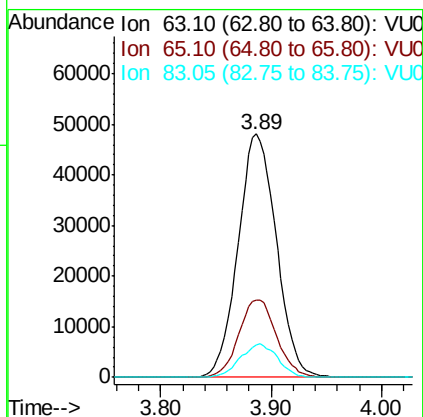
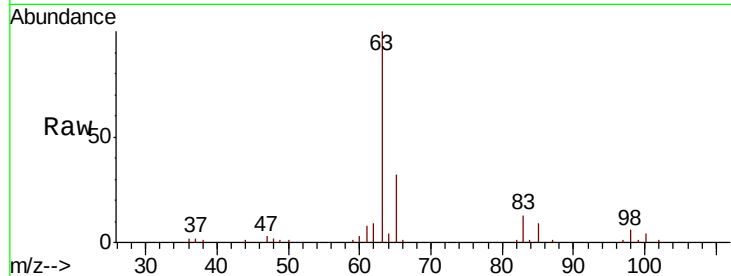




#19
 1,1-Dichloroethane
 Concen: 4.793 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

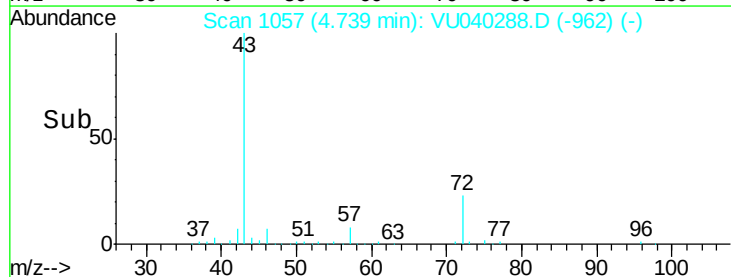
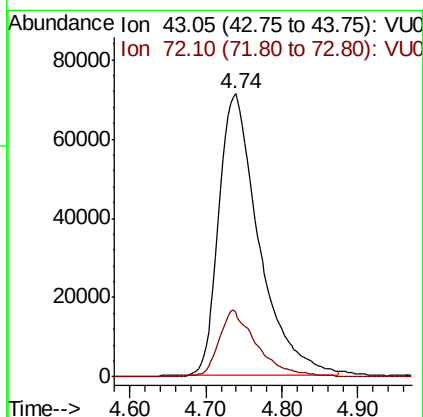
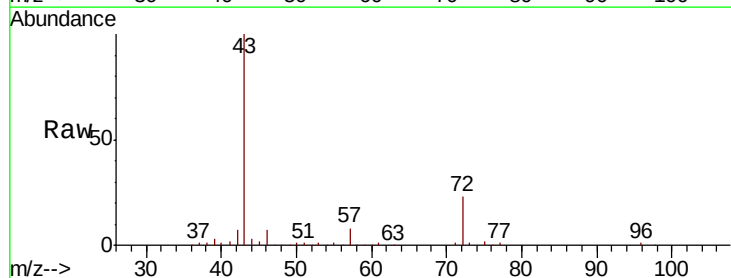
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

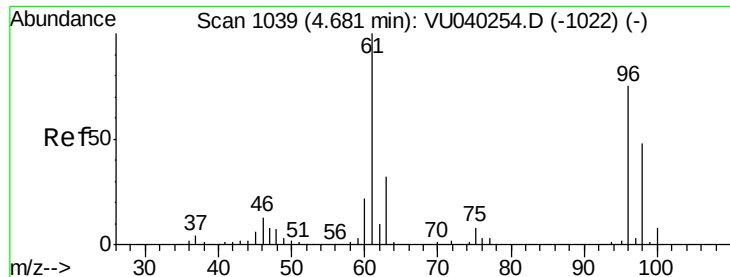
Tot Ion: 63 Resp: 115601
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.2 41.2
 83 13.5 9.4 17.6



#21
 2-Butanone
 Concen: 55.703 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

Tgt Ion: 43 Resp: 258791
 Ion Ratio Lower Upper
 43 100
 72 22.6 11.7 35.0





#22

cis-1,2-Dichloroethene

Concen: 4.908 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

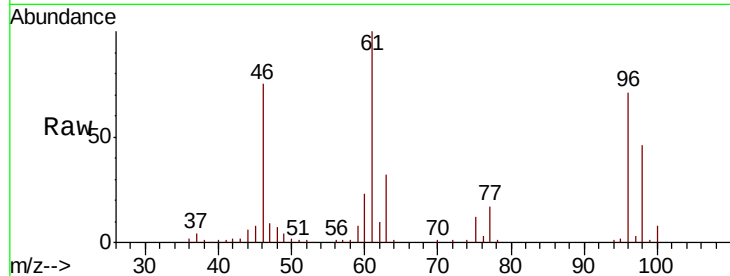
Tot Ion: 96 Resp: 61841

Ion Ratio Lower Upper

96 100

61 141.2 98.8 183.4

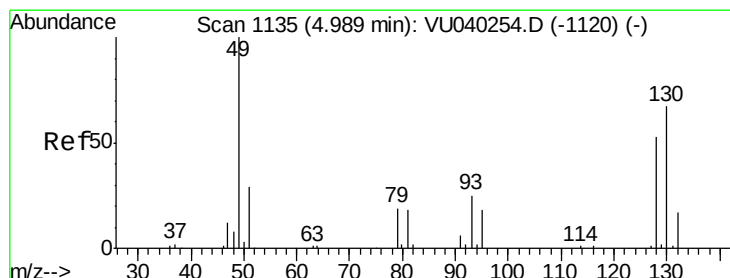
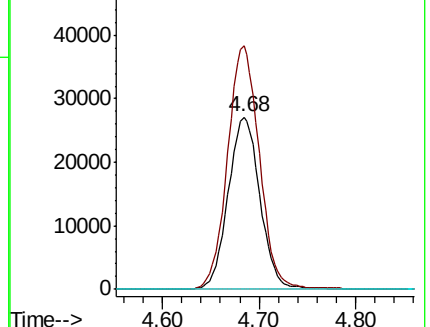
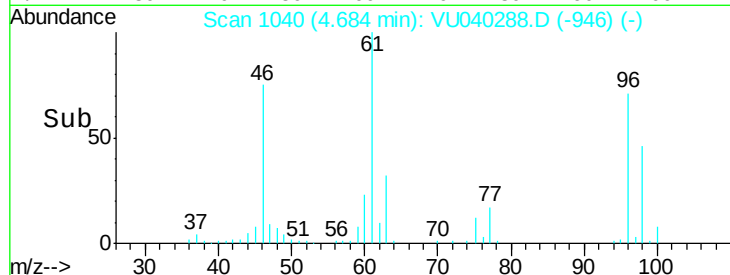
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040288.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU040288.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU040288.D (-946) (-)



#23

Bromochloromethane

Concen: 5.084 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Tgt Ion:128 Resp: 28069

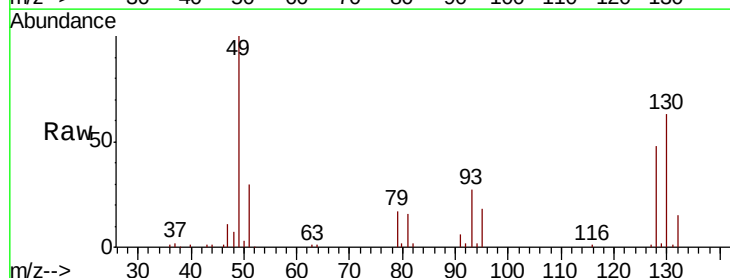
Ion Ratio Lower Upper

128 100

49 206.5 143.4 266.4

130 130.9 89.5 166.3

51 62.4 51.0 76.4

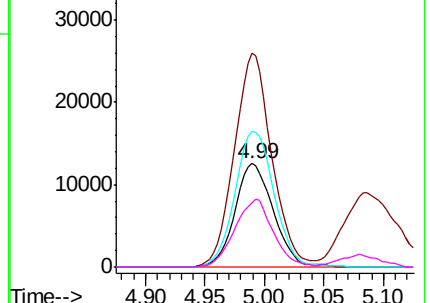
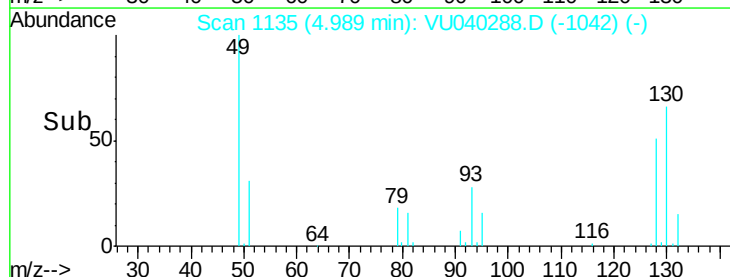


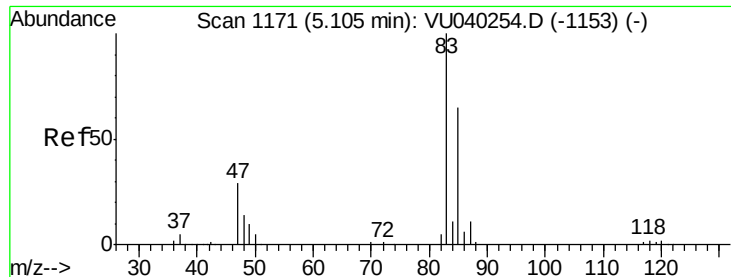
Abundance Ion 127.90 (127.60 to 128.60): VU040288.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU040288.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU040288.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU040288.D (-1042) (-)

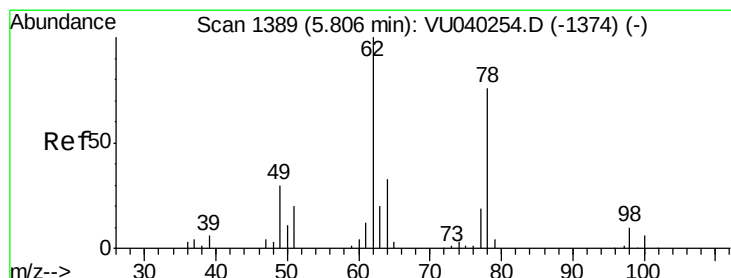
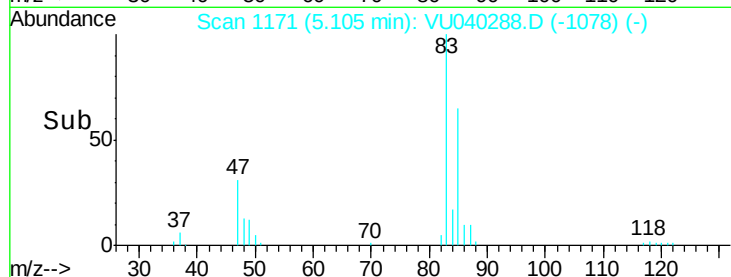
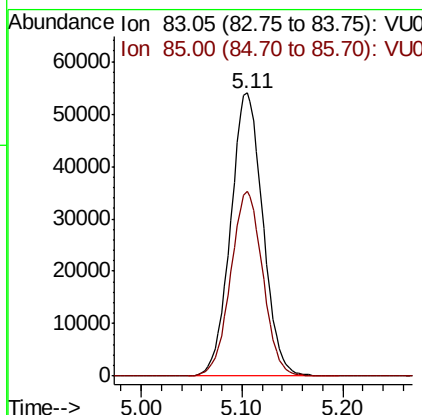
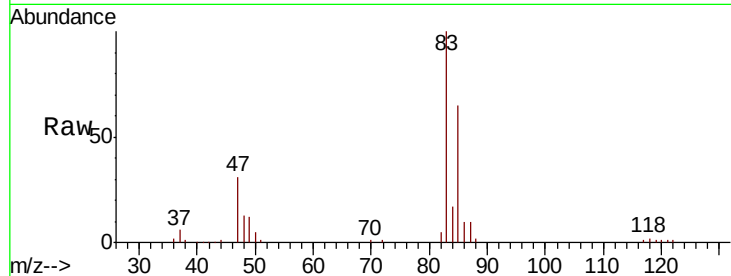




#25
Chloroform
Concen: 4.848 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040288.D
Acq: 25 Sep 2020 09:51

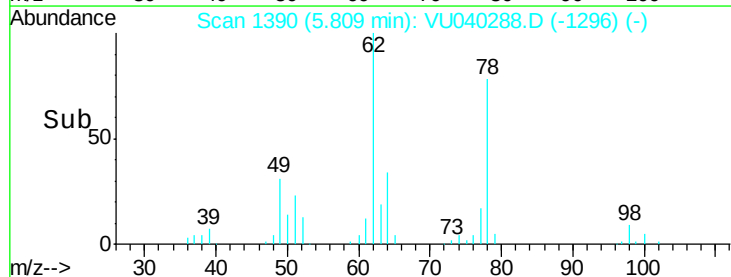
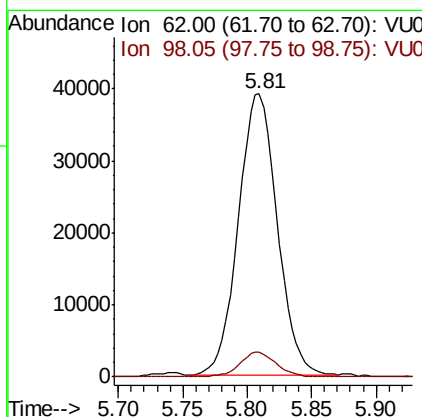
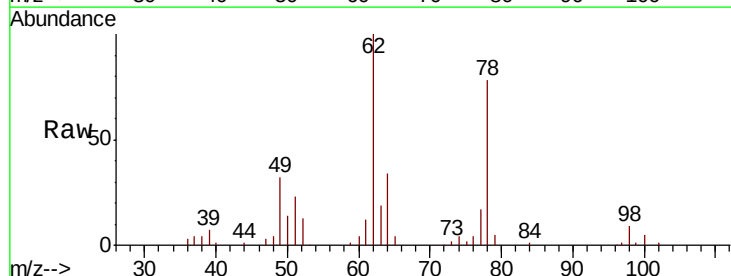
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

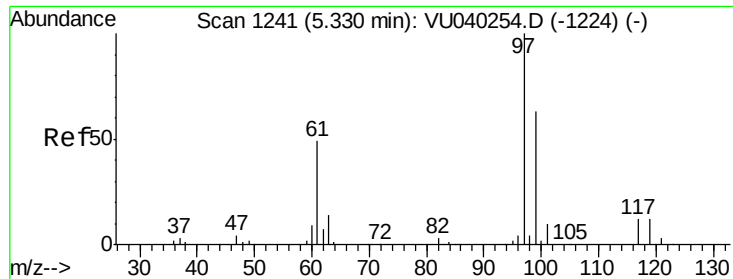
Tot Ion: 83 Resp: 119754
Ion Ratio Lower Upper
83 100
85 65.4 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.538 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040288.D
Acq: 25 Sep 2020 09:51

Tgt Ion: 62 Resp: 82119
Ion Ratio Lower Upper
62 100
98 8.6 6.1 9.1

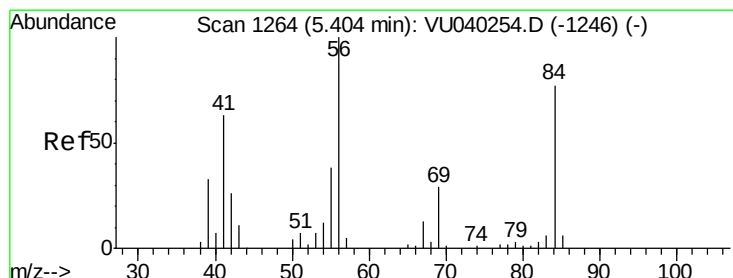
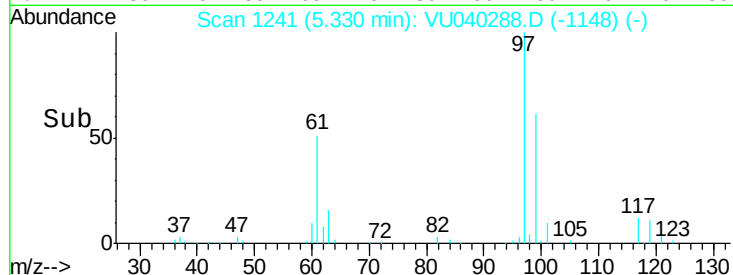
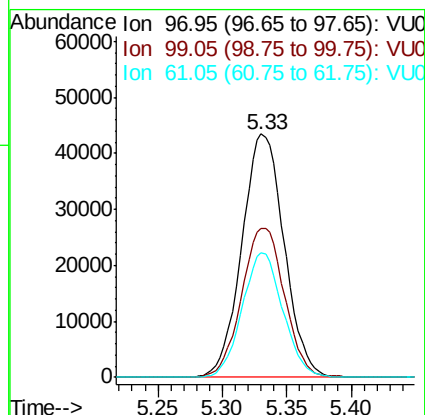
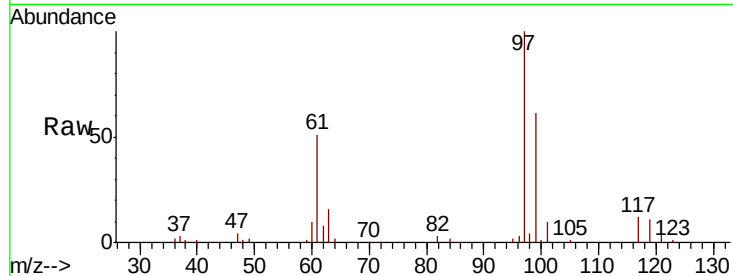




#29
 1,1,1-Trichloroethane
 Concen: 4.681 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

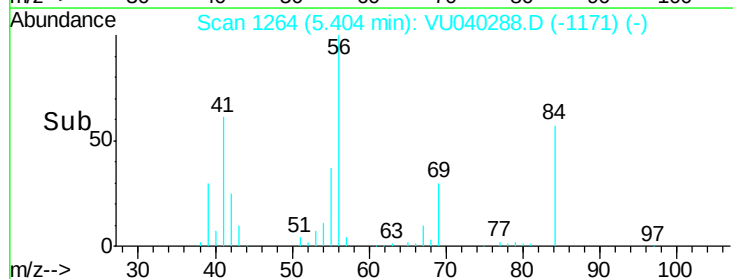
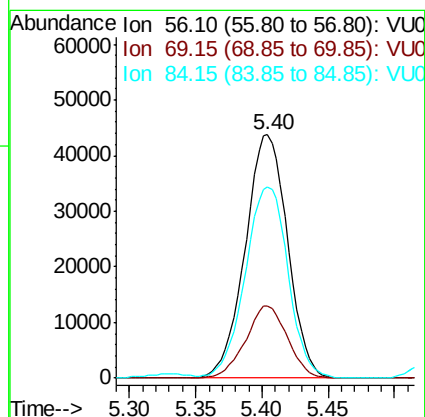
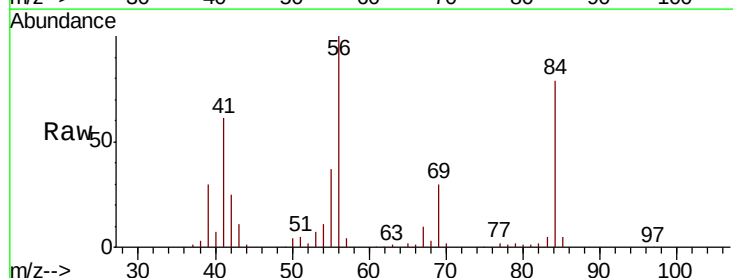
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

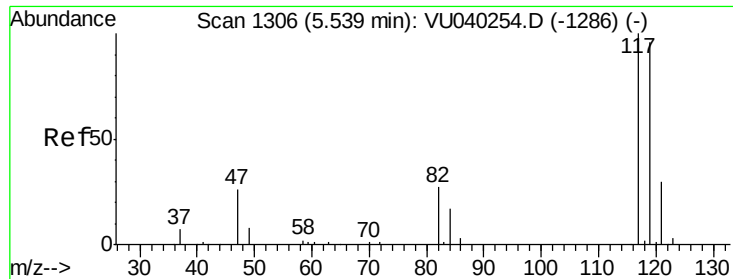
Tot Ion: 97 Resp: 99252
 Ion Ratio Lower Upper
 97 100
 99 62.3 50.9 76.3
 61 49.4 39.5 59.3



#30
 Cyclohexane
 Concen: 4.745 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

Tgt Ion: 56 Resp: 97552
 Ion Ratio Lower Upper
 56 100
 69 29.1 24.1 36.1
 84 79.4 65.0 97.4





#31

Carbon tetrachloride

Concen: 4.621 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Instrument :

MSVOA_U

ClientSampleId :

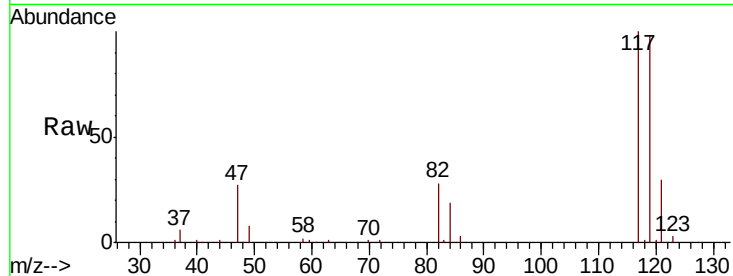
VSTD00519

Tot Ion:117 Resp: 83844

Ion Ratio Lower Upper

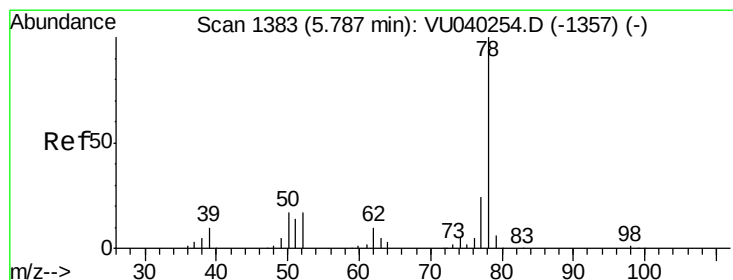
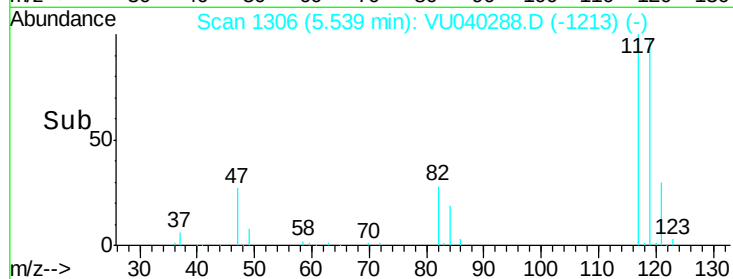
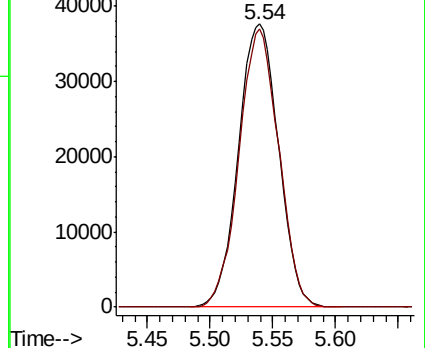
117 100

119 96.8 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.923 ug/L

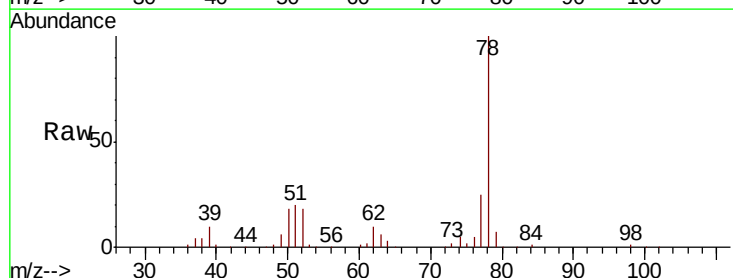
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

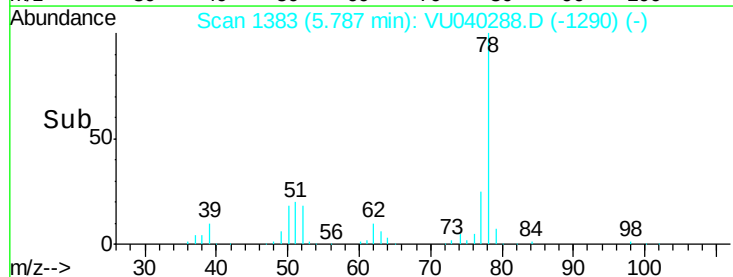
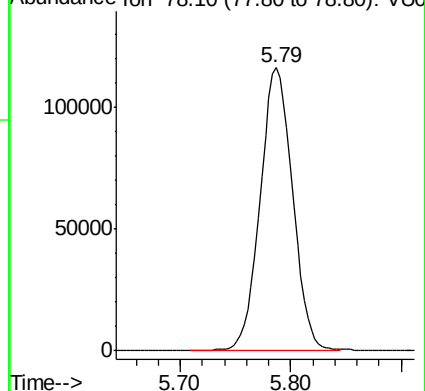
Lab File: VU040288.D

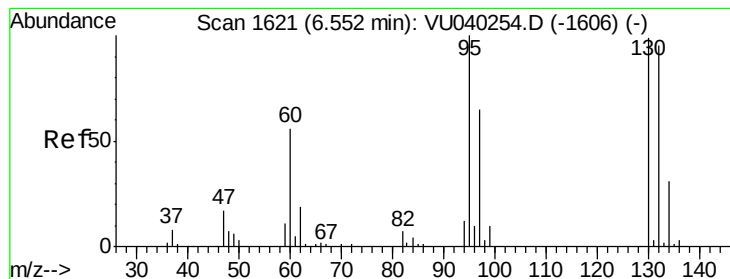
Acq: 25 Sep 2020 09:51

Tgt Ion: 78 Resp: 237810



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.796 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

Tot Ion: 95 Resp: 62145

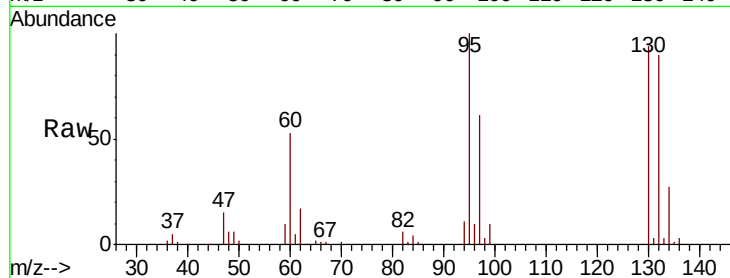
Ion Ratio Lower Upper

95 100

97 61.4 43.3 80.5

132 89.5 59.4 110.4

130 93.5 64.8 120.4

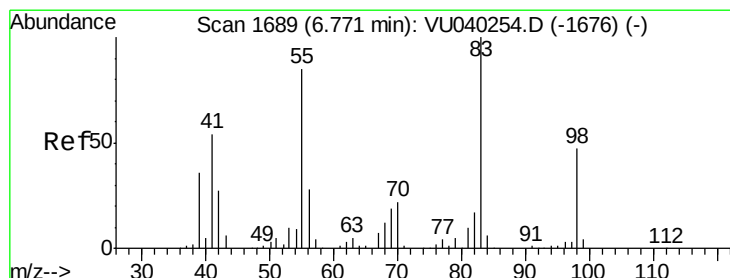
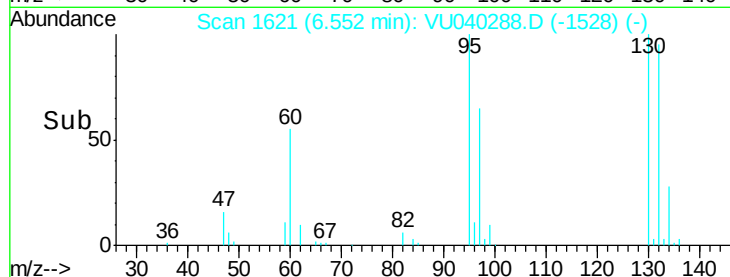
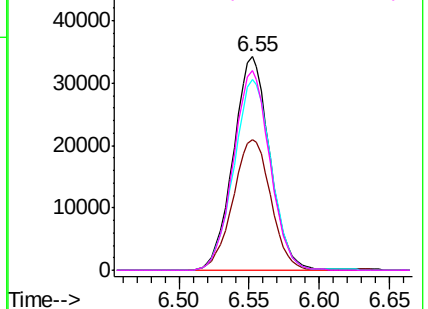


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.521 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

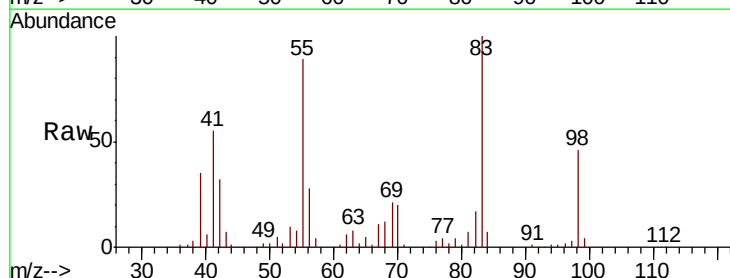
Tgt Ion: 83 Resp: 89699

Ion Ratio Lower Upper

83 100

55 89.6 70.5 105.7

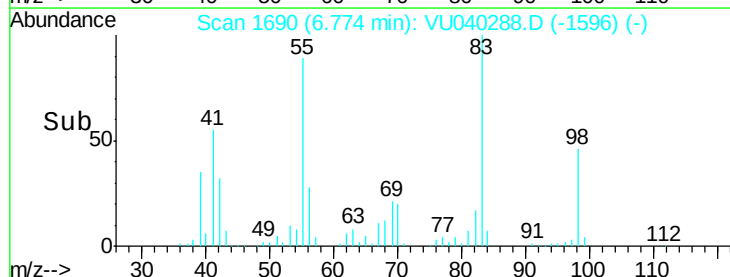
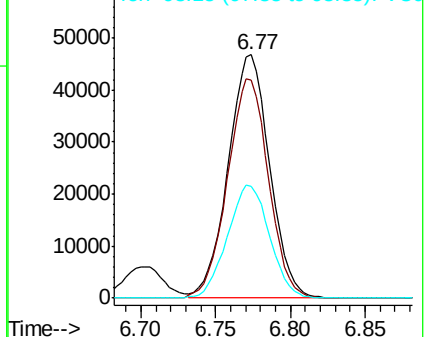
98 47.4 37.8 56.6

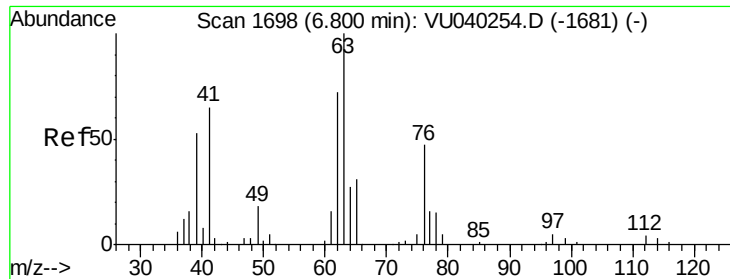


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

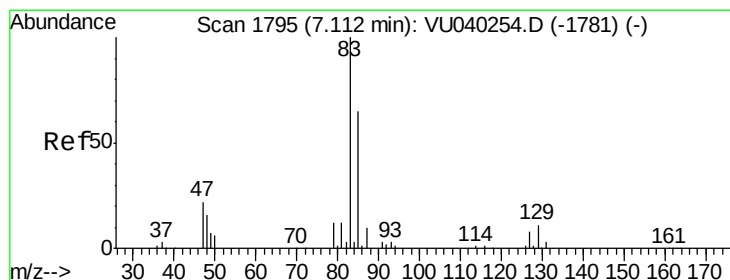
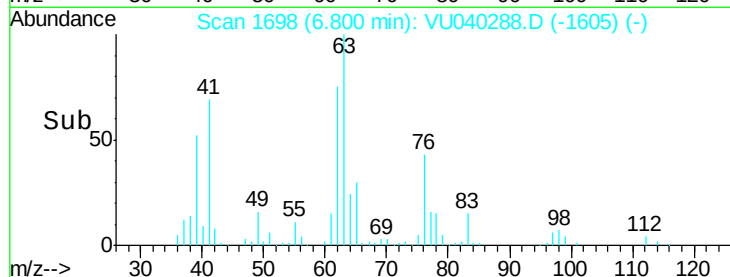
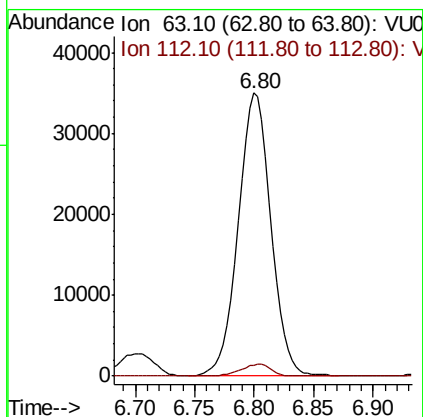
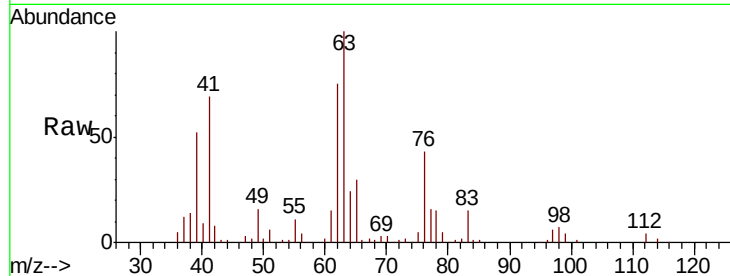




#37
 1,2-Dichloropropane
 Concen: 5.090 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

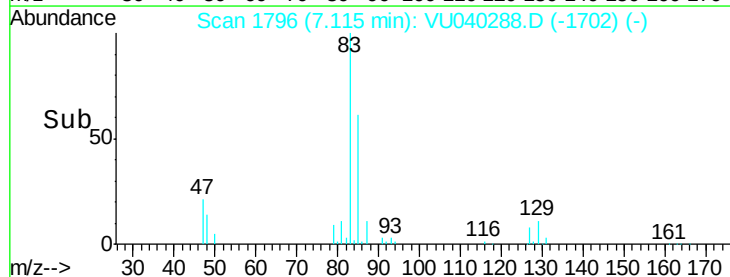
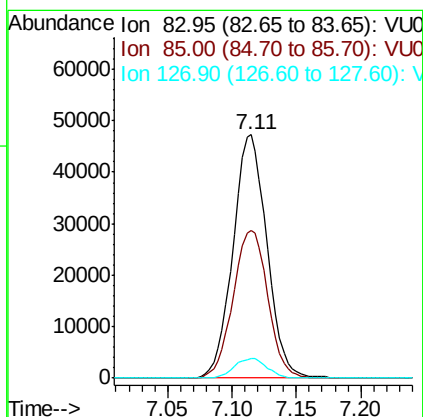
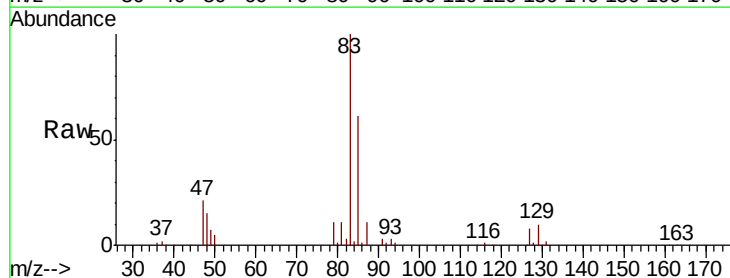
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

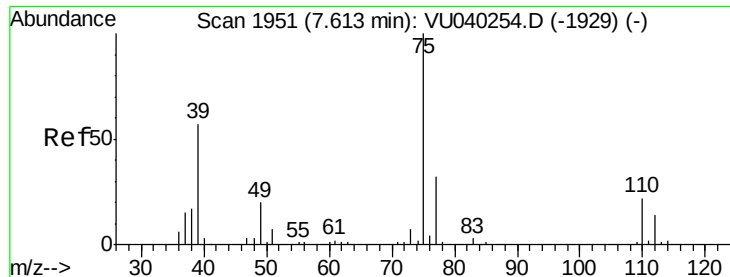
Tot Ion: 63 Resp: 66584
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#38
 Bromodichloromethane
 Concen: 4.849 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

Tgt Ion: 83 Resp: 86575
 Ion Ratio Lower Upper
 83 100
 85 60.7 45.1 83.9
 127 7.9 6.7 10.1

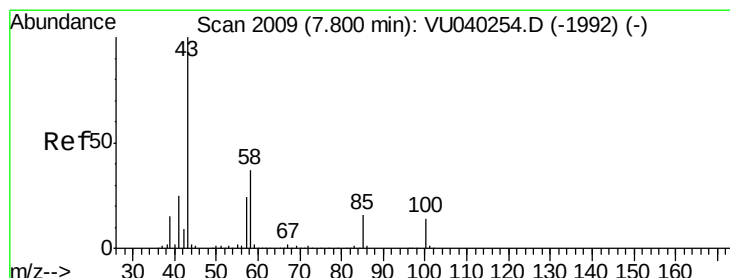
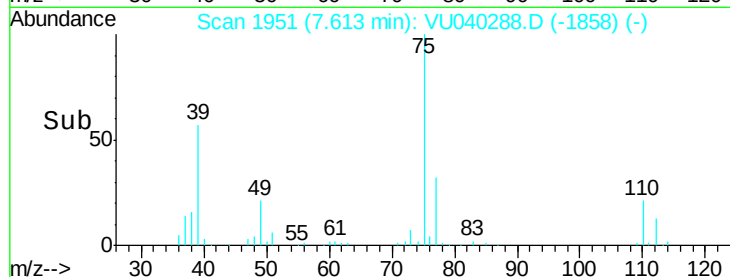
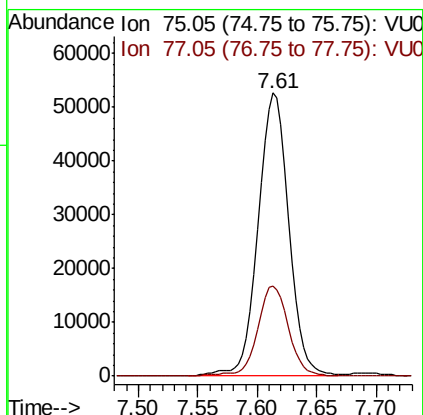
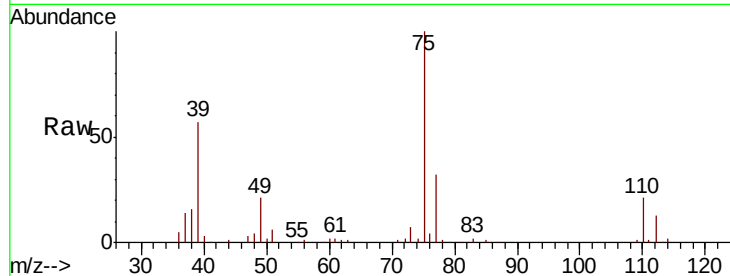




#39
 cis-1,3-Dichloropropene
 Concen: 4.889 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

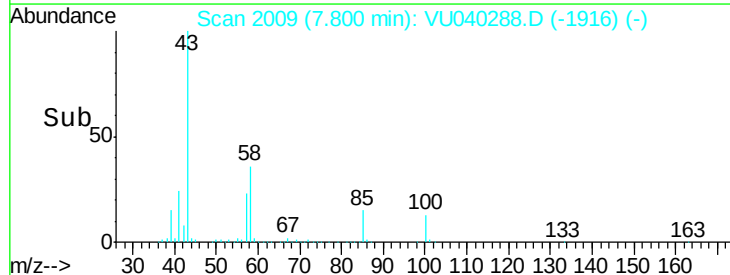
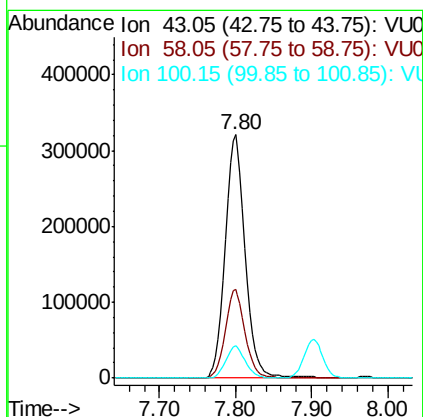
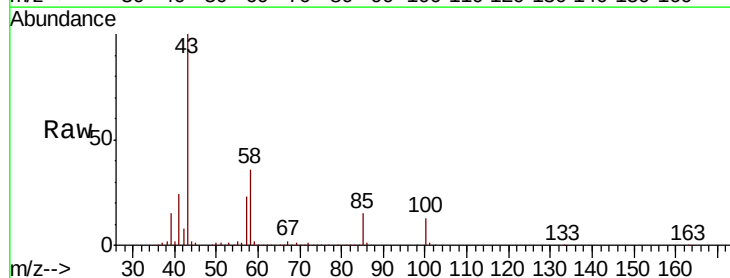
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

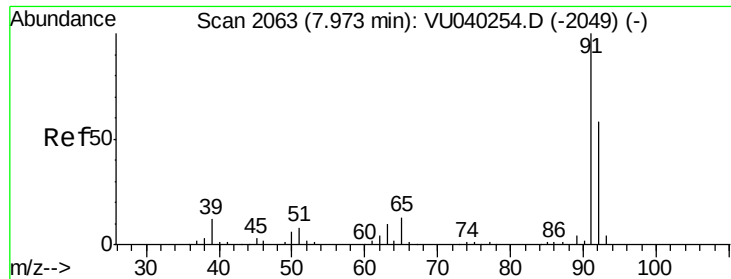
Tot Ion: 75 Resp: 94312
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 55.123 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

Tgt Ion: 43 Resp: 591586
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.7 43.1
 100 12.8 10.2 15.2





#42

Toluene

Concen: 4.986 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Instrument :

MSVOA_U

ClientSampleId :

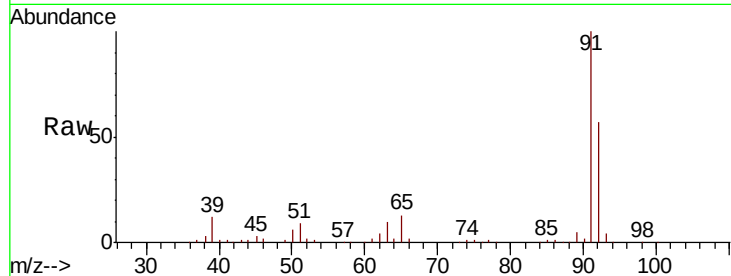
VSTD00519

Tot Ion: 91 Resp: 248065

Ion Ratio Lower Upper

91 100

92 57.2 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

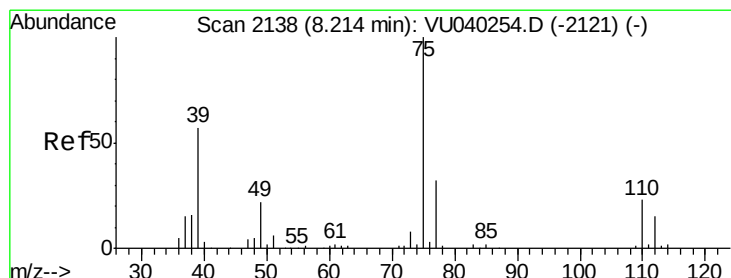
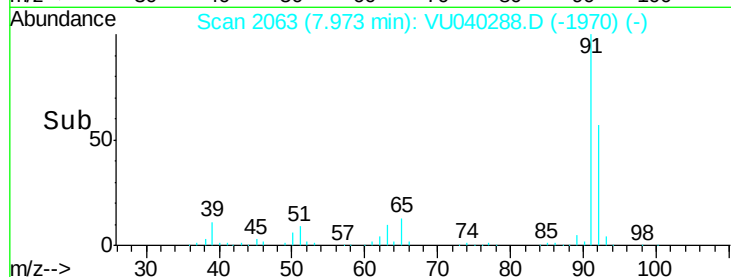
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.907 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040288.D

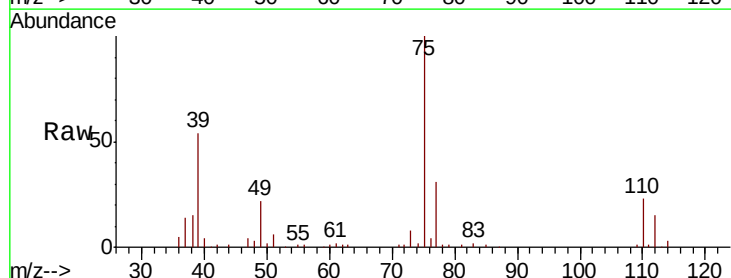
Acq: 25 Sep 2020 09:51

Tgt Ion: 75 Resp: 87717

Ion Ratio Lower Upper

75 100

77 30.9 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

60000

50000

40000

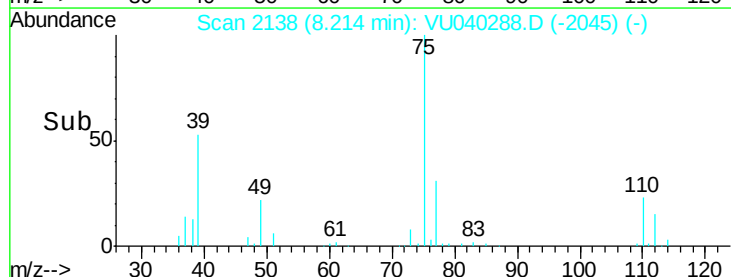
30000

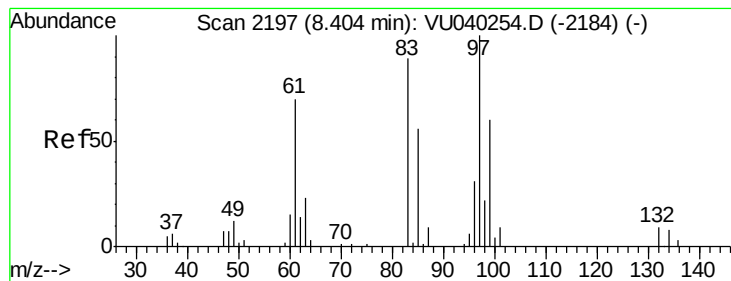
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.005 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

Tot Ion: 97 Resp: 47695

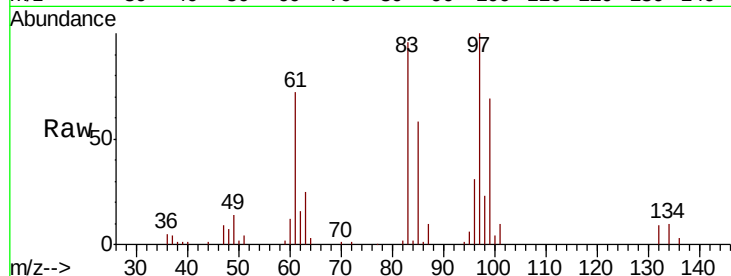
Ion Ratio Lower Upper

97 100

99 68.6 43.0 79.8

83 96.2 61.7 114.7

85 58.5 39.3 73.1



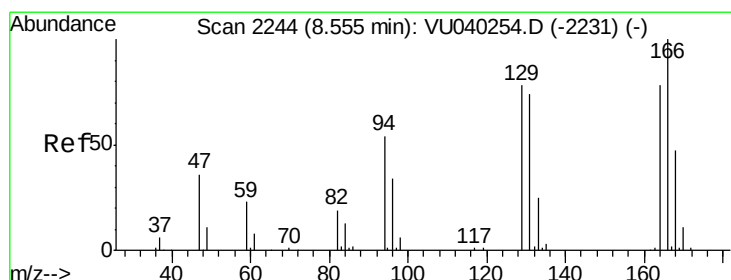
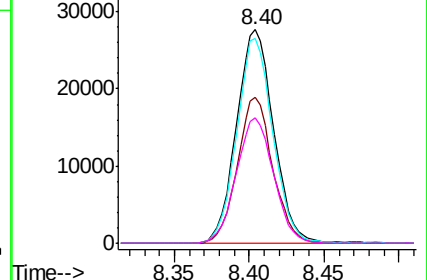
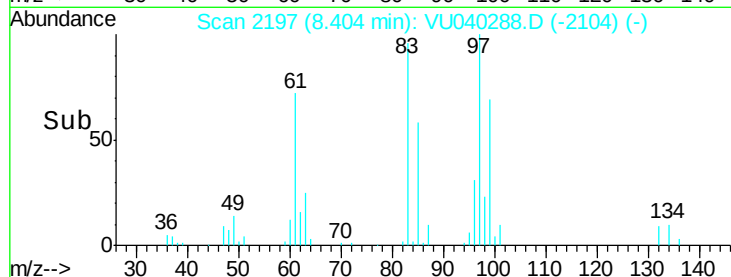
Abundance

Ion 96.95 (96.65 to 97.65): VU040288.D (-2104) (-)

Ion 99.05 (98.75 to 99.75): VU040288.D (-2104) (-)

Ion 82.95 (82.65 to 83.65): VU040288.D (-2104) (-)

Ion 85.00 (84.70 to 85.70): VU040288.D (-2104) (-)



#47

Tetrachloroethene

Concen: 5.036 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Tgt Ion: 164 Resp: 42860

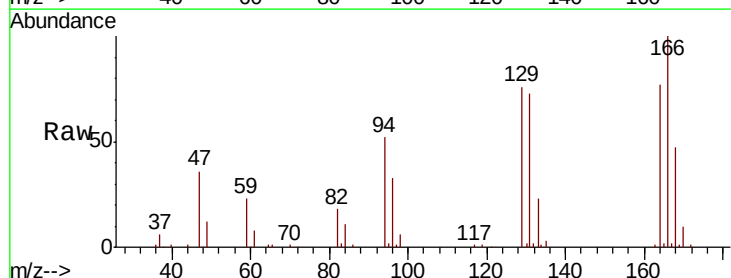
Ion Ratio Lower Upper

164 100

129 98.3 71.5 132.7

131 95.2 65.9 122.5

166 129.7 87.3 162.1



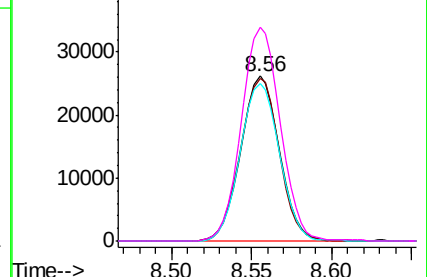
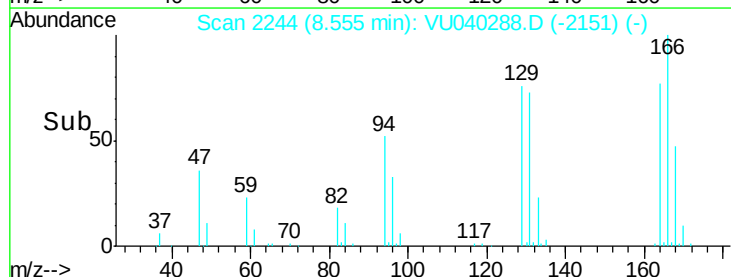
Abundance

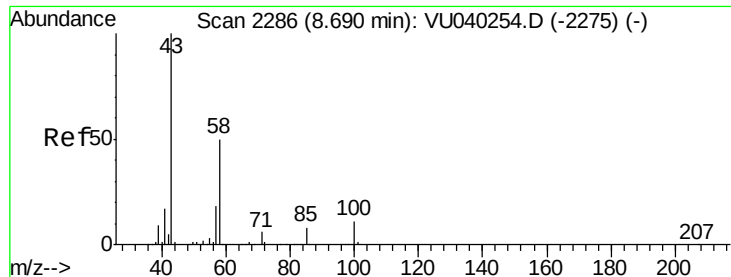
Ion 163.90 (163.60 to 164.60): VU040288.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU040288.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU040288.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU040288.D (-2151) (-)

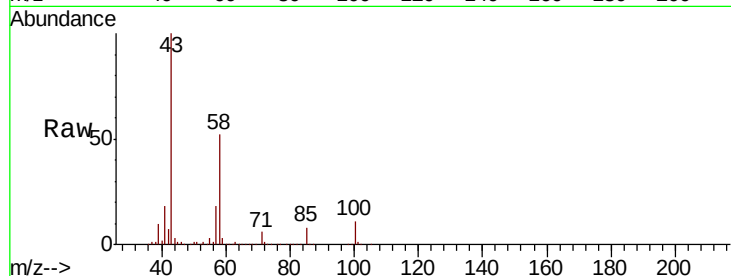




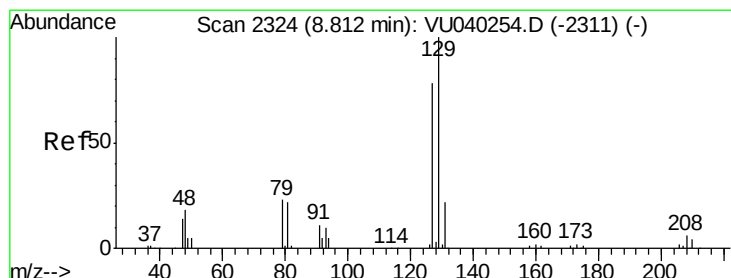
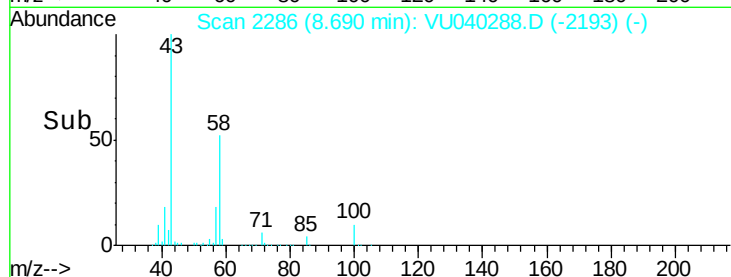
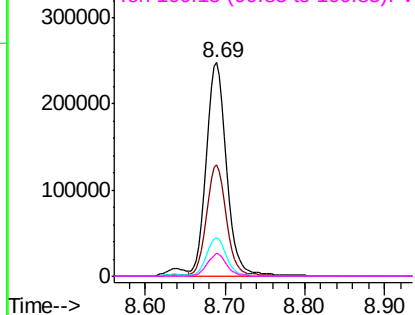
#48
2-Hexanone
Concen: 56.414 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040288.D
Acq: 25 Sep 2020 09:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion: 43 Resp: 441630
Ion Ratio Lower Upper
43 100
58 50.5 39.6 59.4
57 18.1 14.3 21.5
100 10.1 8.0 12.0

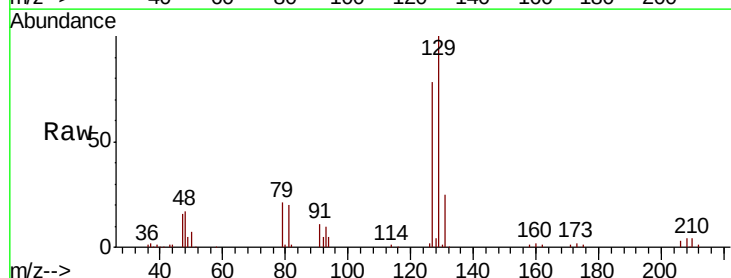


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

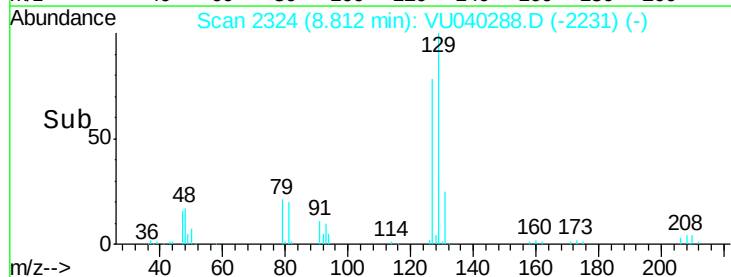
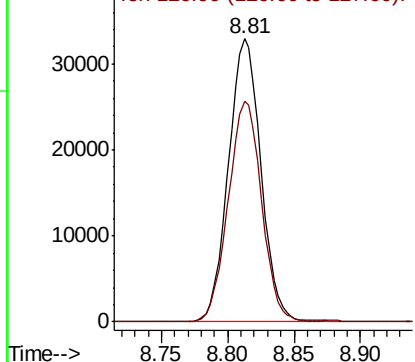


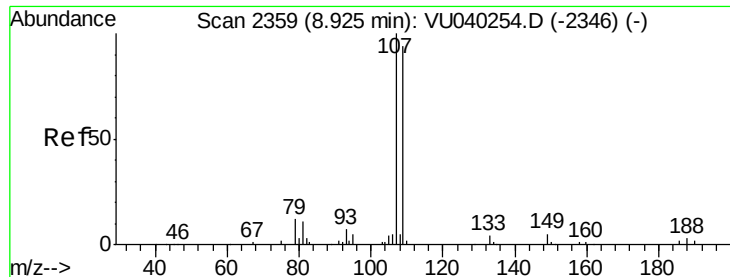
#49
Dibromochloromethane
Concen: 4.910 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040288.D
Acq: 25 Sep 2020 09:51

Tgt Ion: 129 Resp: 56154
Ion Ratio Lower Upper
129 100
127 77.8 53.7 99.7



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

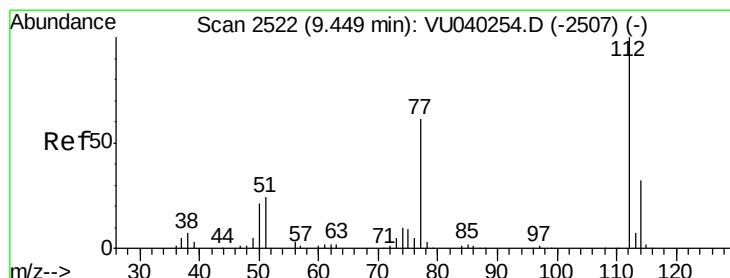
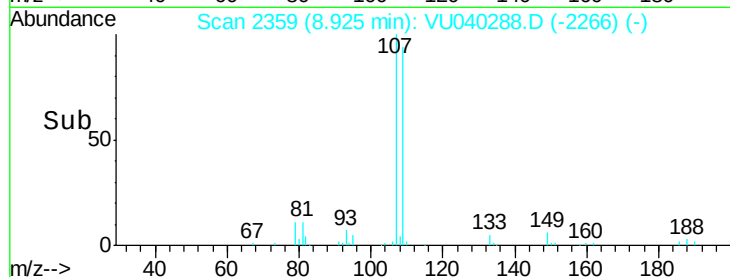
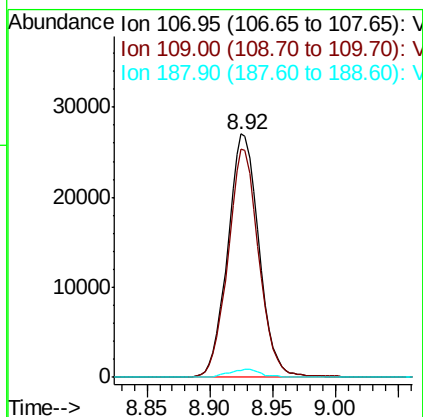
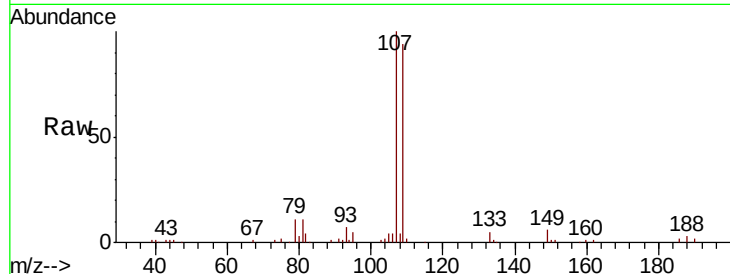




#50
 1,2-Dibromoethane
 Concen: 5.084 ug/L
 RT: 8.92 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

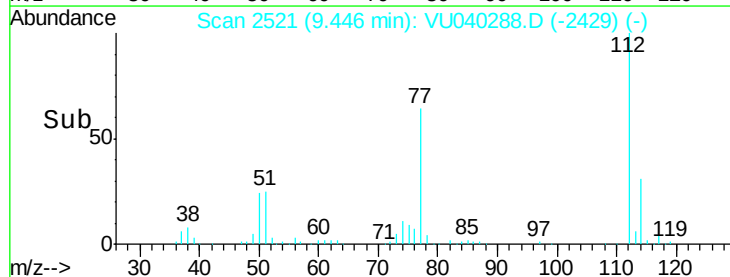
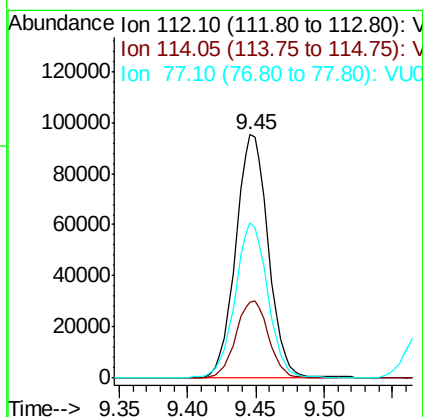
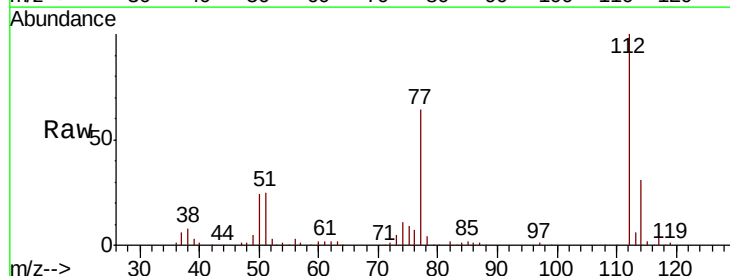
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

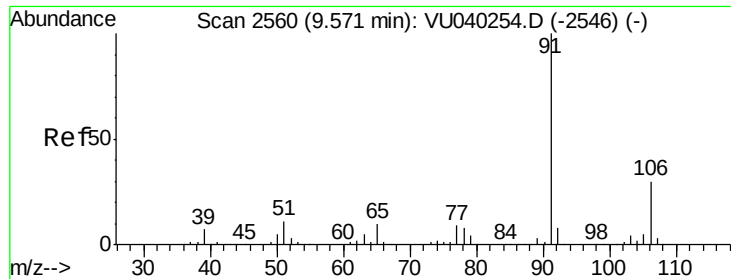
Tot Ion:107 Resp: 46708
 Ion Ratio Lower Upper
 107 100
 109 93.6 62.4 115.8
 188 3.0 2.3 3.5



#51
 Chlorobenzene
 Concen: 5.119 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

Tgt Ion:112 Resp: 158096
 Ion Ratio Lower Upper
 112 100
 114 31.4 22.7 42.3
 77 63.6 53.2 79.8





#52

Ethylbenzene

Concen: 4.802 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Instrument :

MSVOA_U

ClientSampleId :

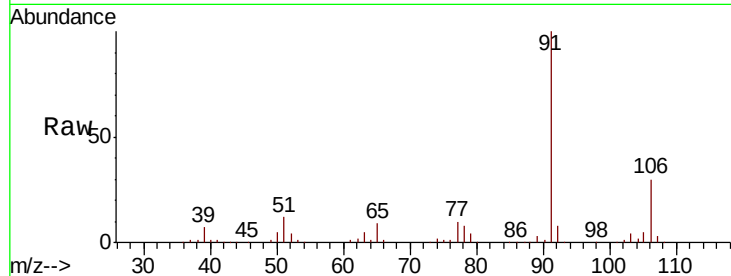
VSTD00519

Tot Ion: 91 Resp: 271449

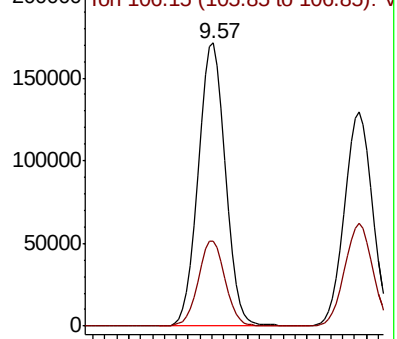
Ion Ratio Lower Upper

91 100

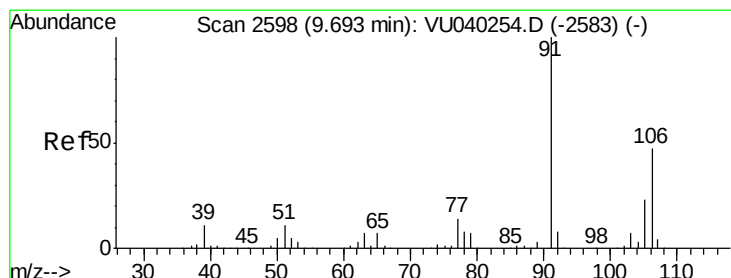
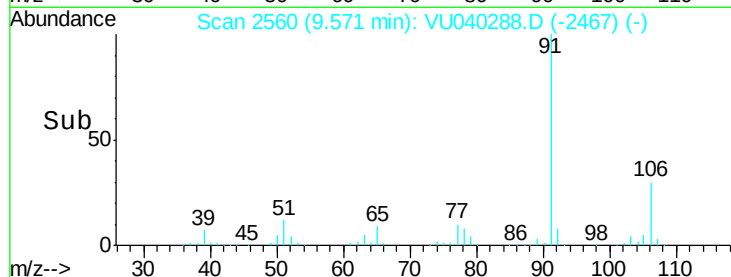
106 30.1 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040288.D (-2505) (-)



Time-->



#53

m,p-Xylene

Concen: 5.065 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040288.D

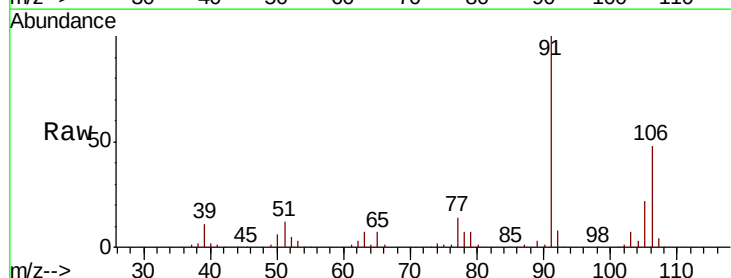
Acq: 25 Sep 2020 09:51

Tgt Ion: 106 Resp: 101920

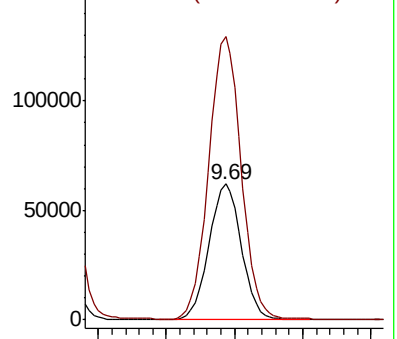
Ion Ratio Lower Upper

106 100

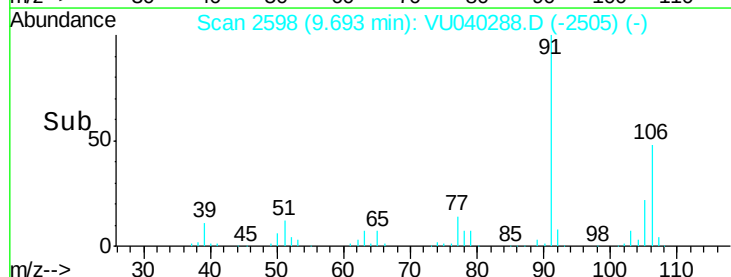
91 208.0 151.7 281.7

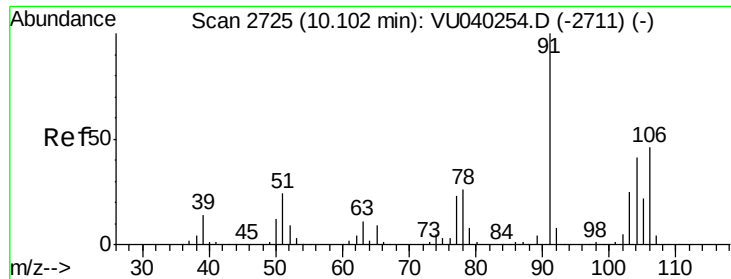


Abundance Ion 106.15 (105.85 to 106.85): VU040288.D (-2505) (-)



Time-->

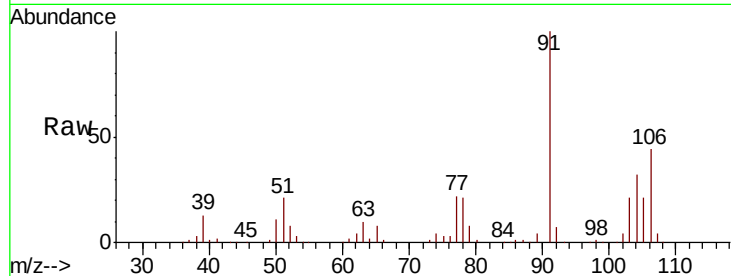




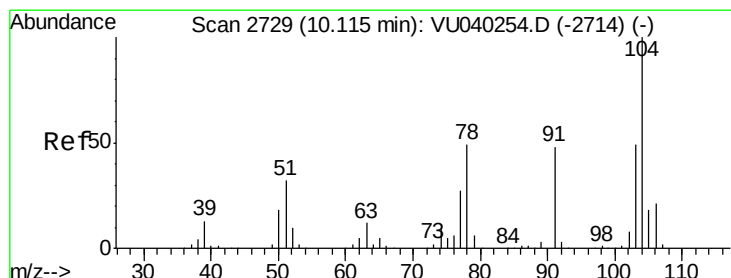
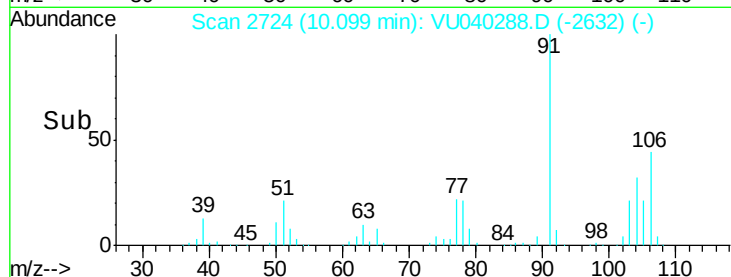
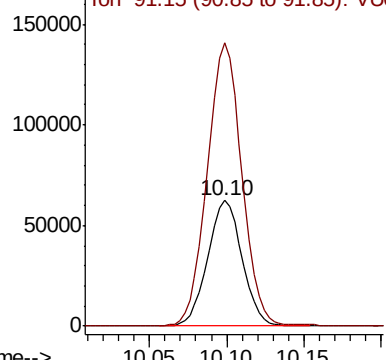
#54
o-Xylene
Concen: 5.049 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040288.D
Acq: 25 Sep 2020 09:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion:106 Resp: 96817
Ion Ratio Lower Upper
106 100
91 225.6 160.8 298.6

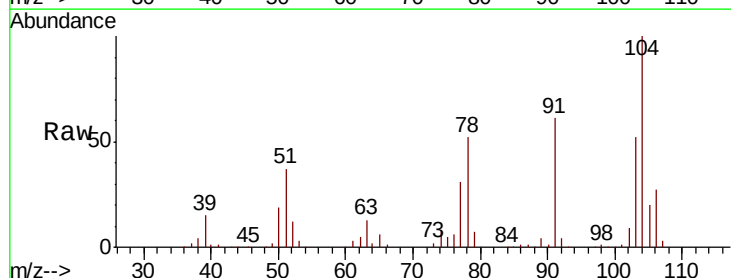


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

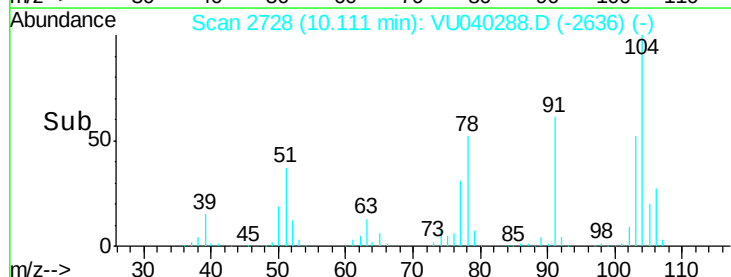
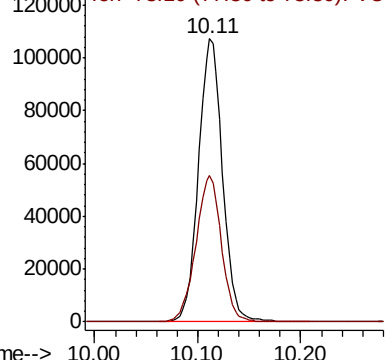


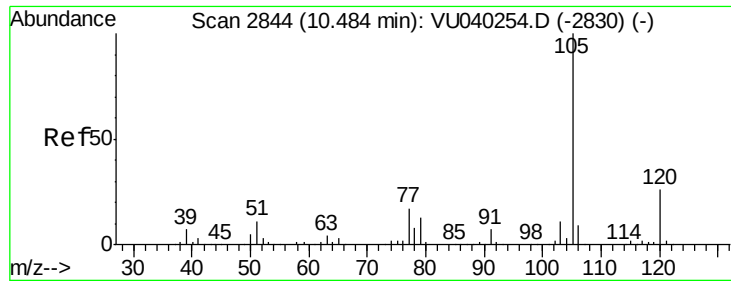
#55
Styrene
Concen: 5.226 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU040288.D
Acq: 25 Sep 2020 09:51

Tgt Ion:104 Resp: 174285
Ion Ratio Lower Upper
104 100
78 51.7 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.128 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

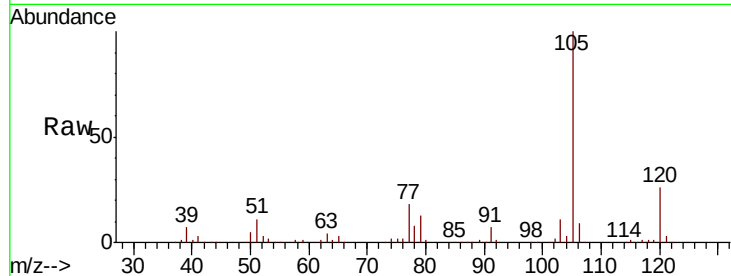
Tot Ion:105 Resp: 268189

Ion Ratio Lower Upper

105 100

120 25.5 20.1 30.1

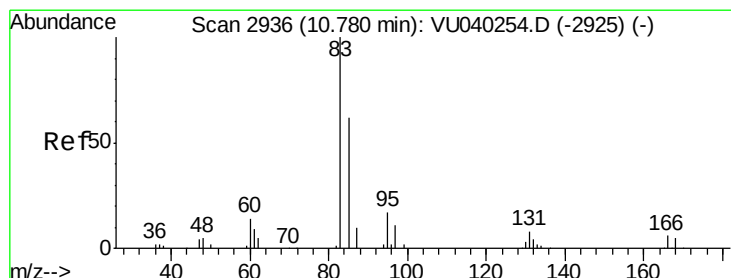
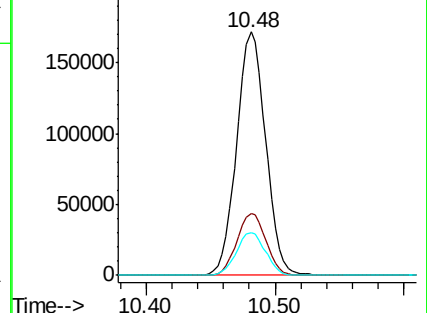
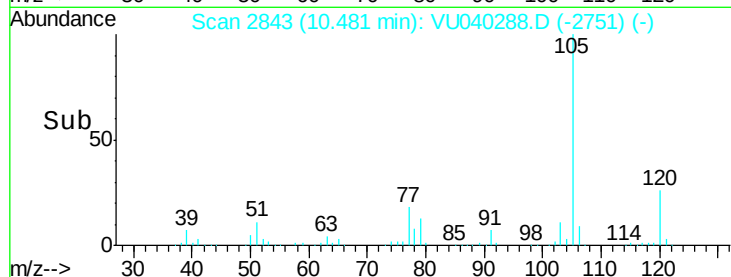
77 17.7 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.320 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

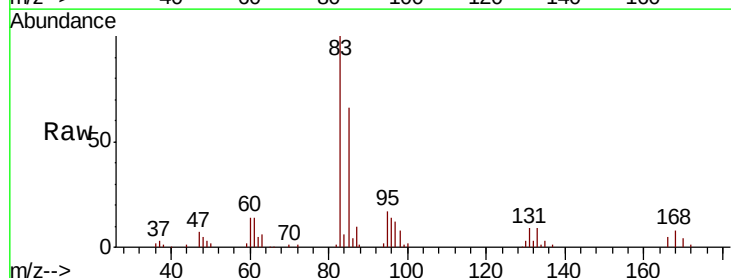
Tgt Ion: 83 Resp: 65001

Ion Ratio Lower Upper

83 100

85 65.8 44.9 83.3

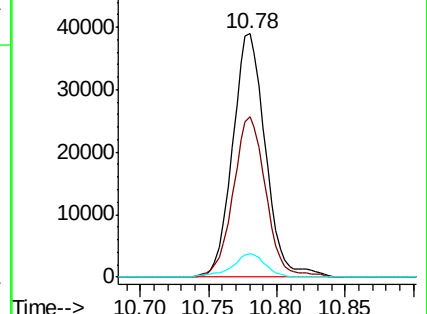
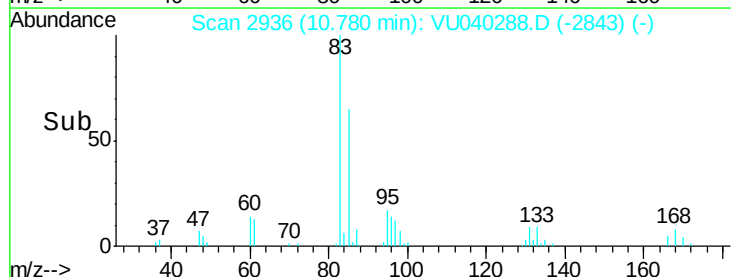
131 9.5 7.4 11.0

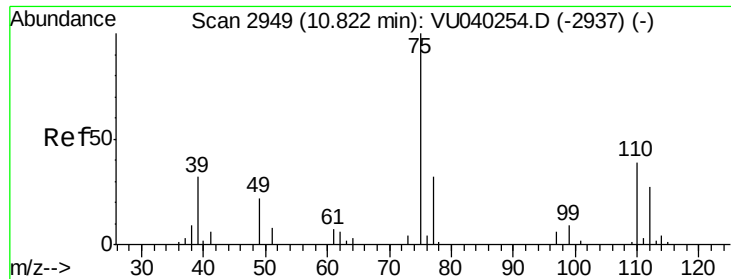


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

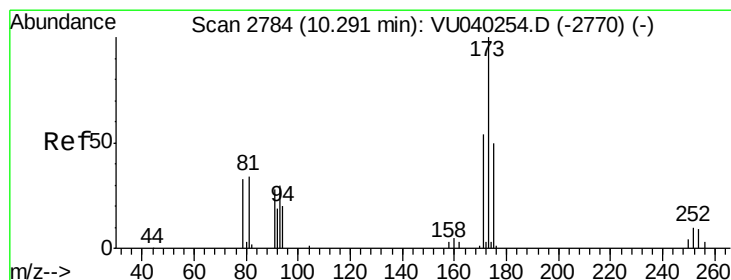
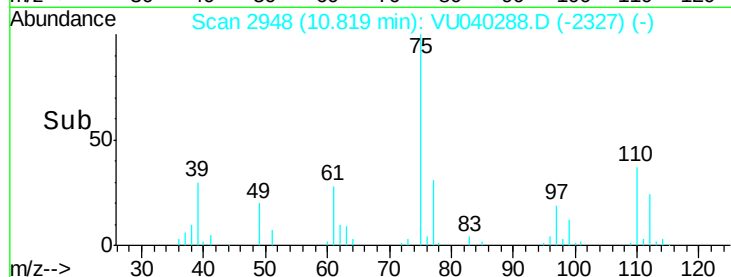
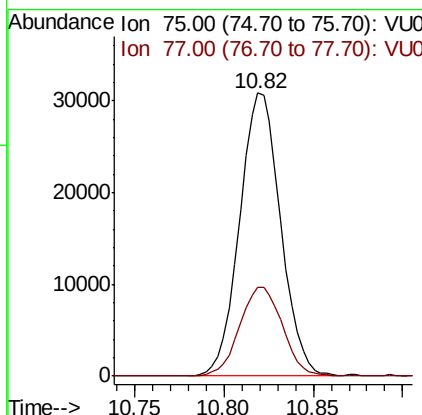
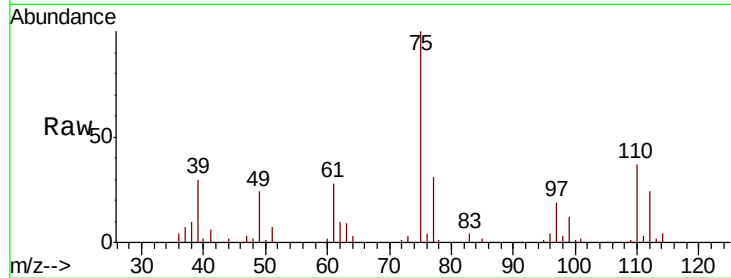




#59
 1,2,3-Trichloropropane
 Concen: 5.120 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

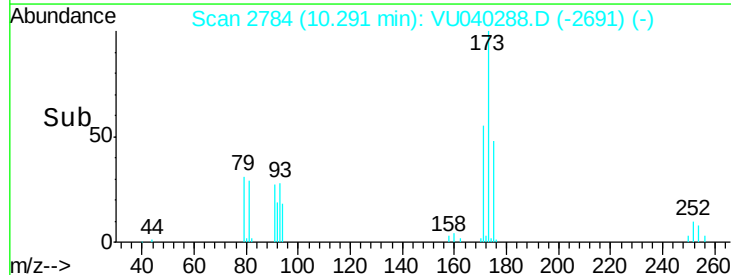
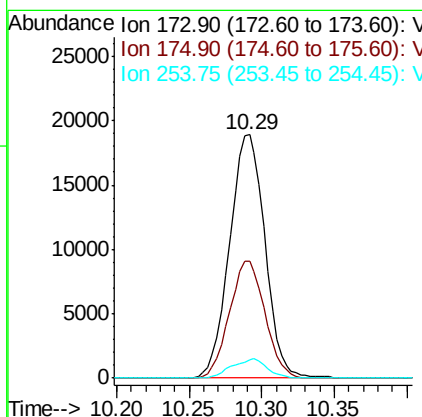
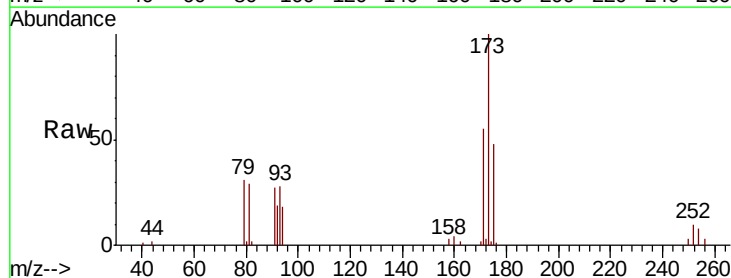
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

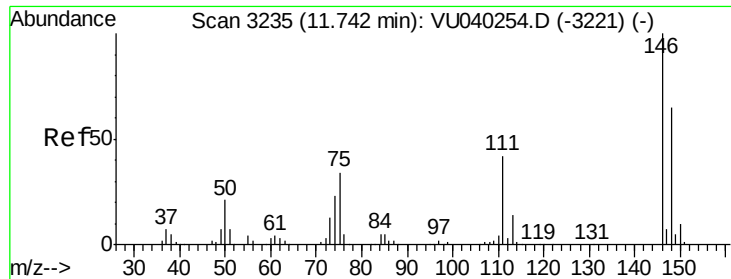
Tot Ion: 75 Resp: 49617
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.9 37.3



#61
 Bromoform
 Concen: 4.878 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

Tgt Ion: 173 Resp: 32022
 Ion Ratio Lower Upper
 173 100
 175 48.0 37.8 56.6
 254 7.8 6.8 10.2

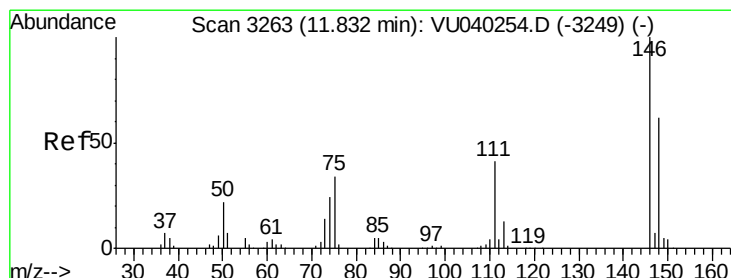
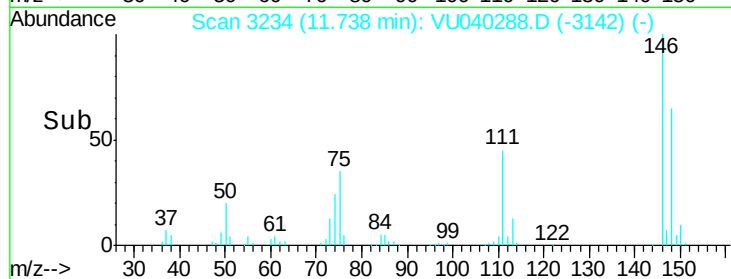
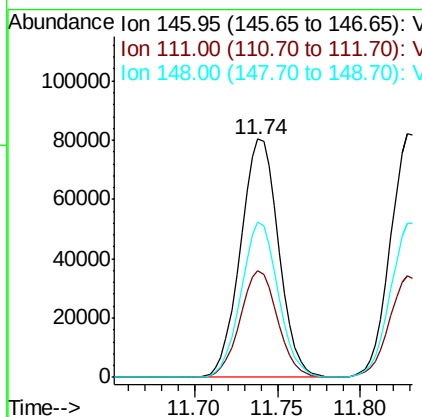
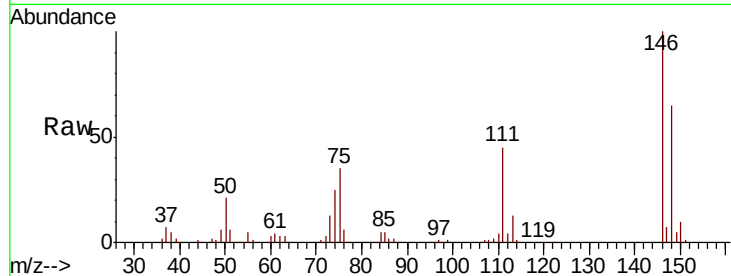




#62
 1,3-Dichlorobenzene
 Concen: 4.923 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

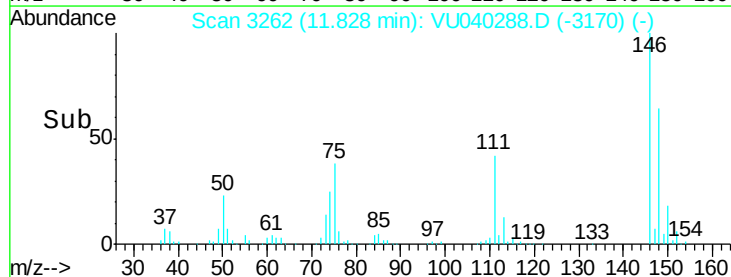
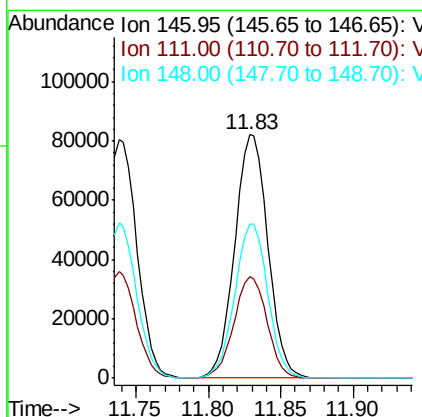
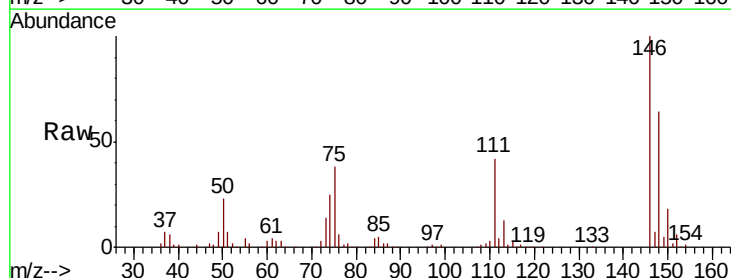
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

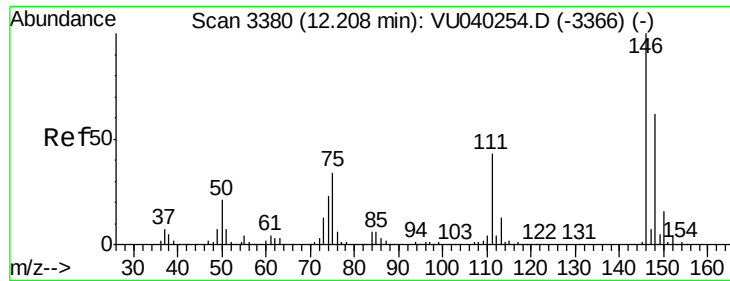
Tot Ion:146 Resp: 128800
 Ion Ratio Lower Upper
 146 100
 111 44.7 31.6 58.8
 148 65.0 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 4.928 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. -0.00 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

Tgt Ion:146 Resp: 130465
 Ion Ratio Lower Upper
 146 100
 111 41.7 30.5 56.7
 148 63.5 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 4.912 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

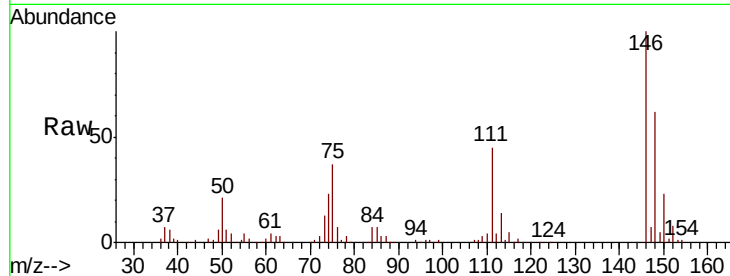
Tot Ion:146 Resp: 124332

Ion Ratio Lower Upper

146 100

111 45.2 36.5 54.7

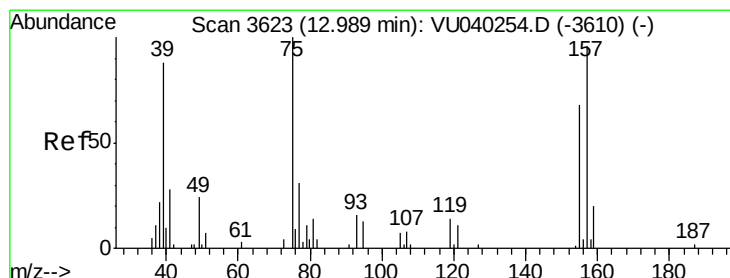
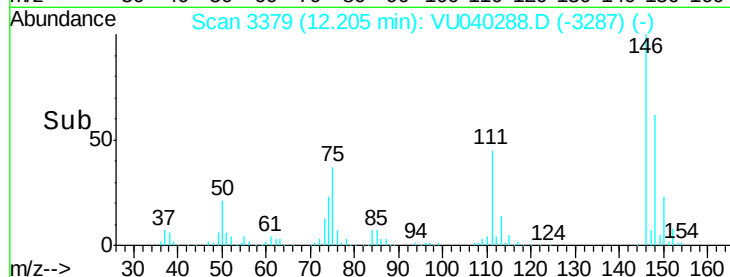
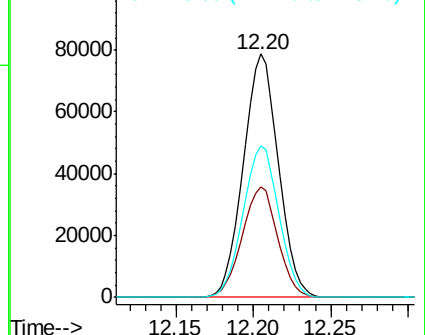
148 62.0 48.6 72.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.189 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

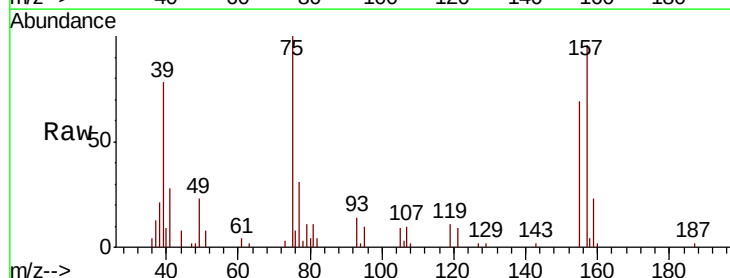
Tgt Ion: 75 Resp: 11340

Ion Ratio Lower Upper

75 100

155 69.5 54.6 82.0

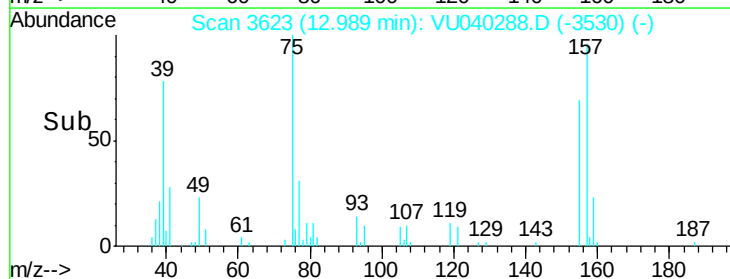
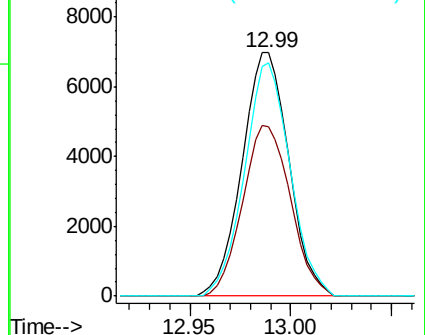
157 96.0 75.6 113.4

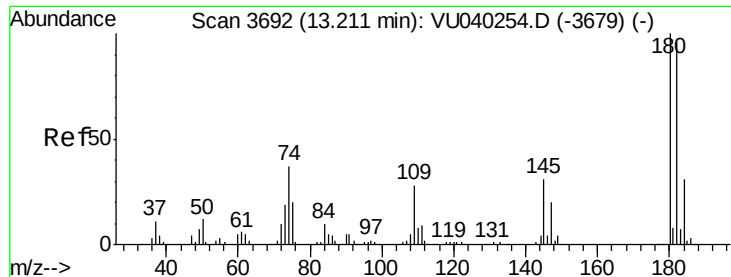


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

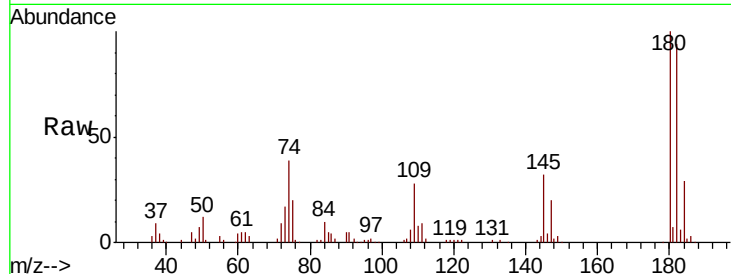




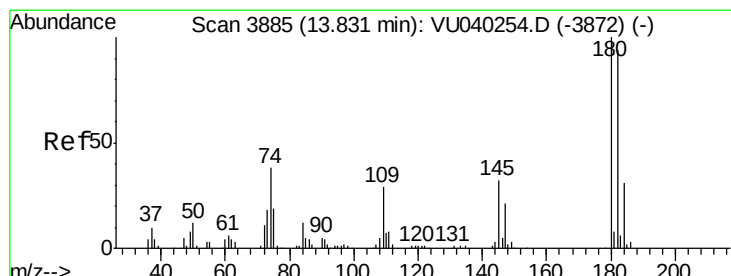
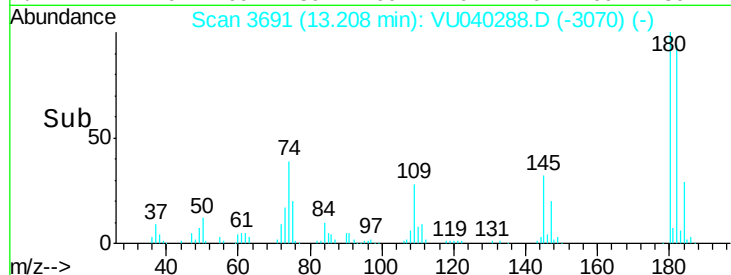
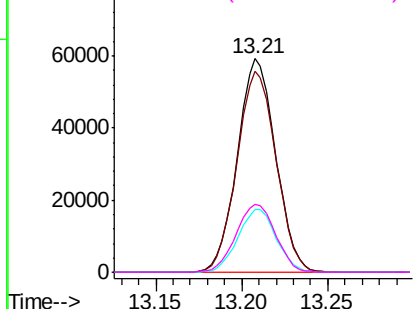
#67
 1,3,5-Trichlorobenzene
 Concen: 4.973 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tot Ion:180 Resp: 91469
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.9 115.3
 184 29.6 24.6 36.8
 145 32.7 27.0 40.6

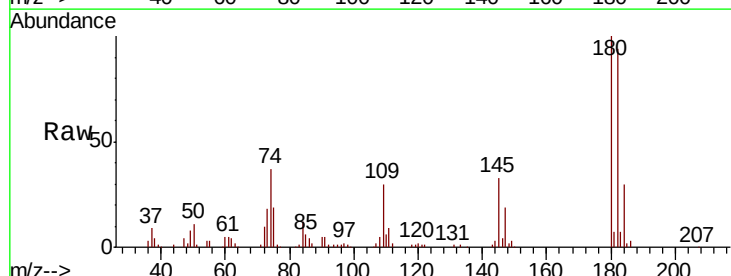


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

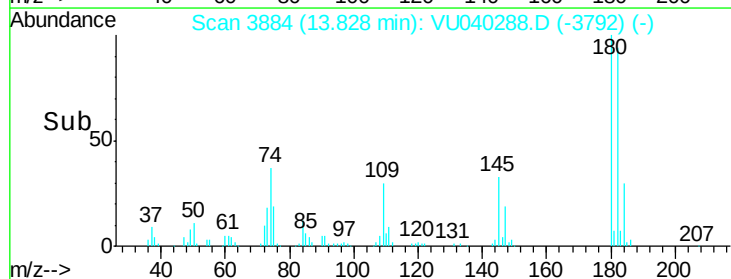
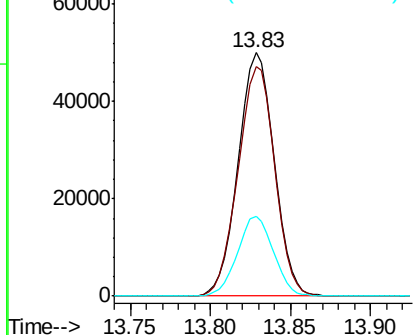


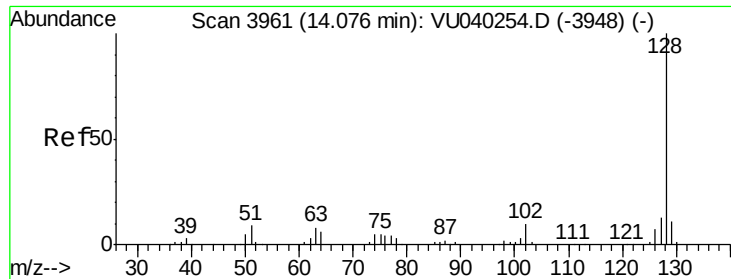
#68
 1,2,4-trichlorobenzene
 Concen: 4.841 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040288.D
 Acq: 25 Sep 2020 09:51

Tgt Ion:180 Resp: 76706
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.0 114.0
 145 32.6 28.4 42.6



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





#69

Naphthalene

Concen: 4.178 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

Instrument :

MSVOA_U

ClientSampled :

VSTD00519

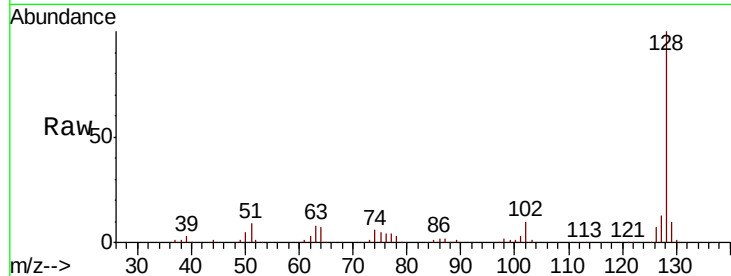
Tot Ion:128 Resp: 137971

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

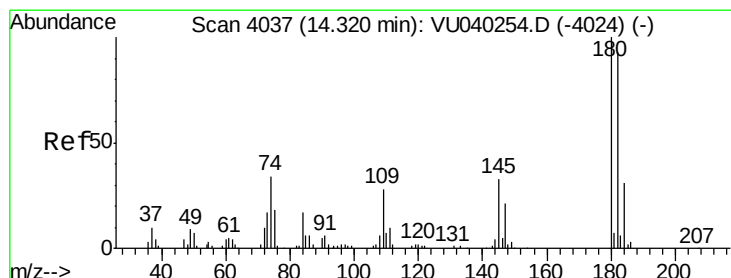
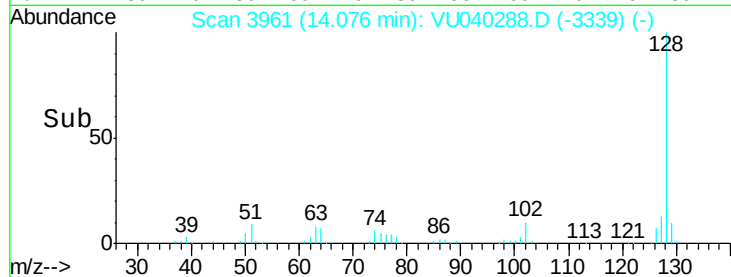
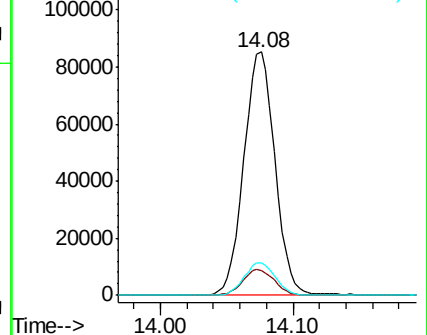
127 13.5 10.7 16.1



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: 4.910 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040288.D

Acq: 25 Sep 2020 09:51

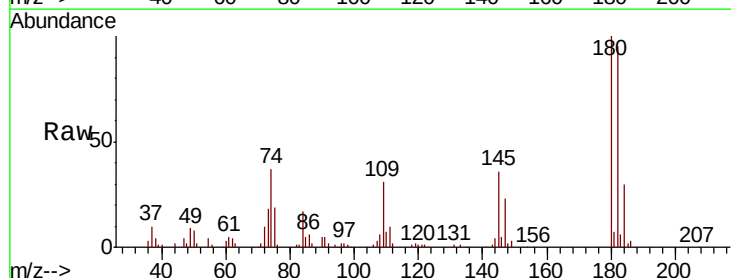
Tgt Ion:180 Resp: 71452

Ion Ratio Lower Upper

180 100

182 94.1 77.8 116.6

145 34.8 28.7 43.1



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

