

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090820\
 Data File : VU040056.D
 Acq On : 08 Sep 2020 18:13
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Quant Time: Sep 09 01:38:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 09 01:36:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	114991	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	115301	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	58345	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26009	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.92	69	23364	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.58	63	71946	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	4.65	46	135893	54.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.22%
24) Chloroform-d	5.08	84	74301	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.72	65	44570	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.74	84	130564	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.70	67	42752	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.90	98	115651	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	8.19	79	19269	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.64	63	101864	52.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	40904	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	45896	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	54620	4.786	ug/L	99
3) Chloromethane	1.53	50	51025	4.670	ug/L	98
5) Vinyl chloride	1.61	62	51479	4.648	ug/L	98
6) Bromomethane	1.86	94	29992	5.297	ug/L	98
8) Chloroethane	1.94	64	30118	4.524	ug/L	97
9) Trichlorofluoromethane	2.15	101	79549	5.014	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	49333	4.797	ug/L	100
12) 1,1-Dichloroethene	2.59	96	43676	4.908	ug/L	94
13) Acetone	2.65	43	106921	45.994	ug/L	96
14) Carbon disulfide	2.81	76	128498	4.503	ug/L	100
15) Methyl Acetate	2.97	43	27082	4.642	ug/L	97
16) Methylene chloride	3.06	84	51987	4.461	ug/L	92
17) Methyl tert-butyl Ether	3.38	73	124198	4.631	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	45420	4.745	ug/L	95
19) 1,1-Dichloroethane	3.89	63	94517	4.797	ug/L	99
21) 2-Butanone	4.73	43	183040	48.228	ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	50178	4.875	ug/L	100

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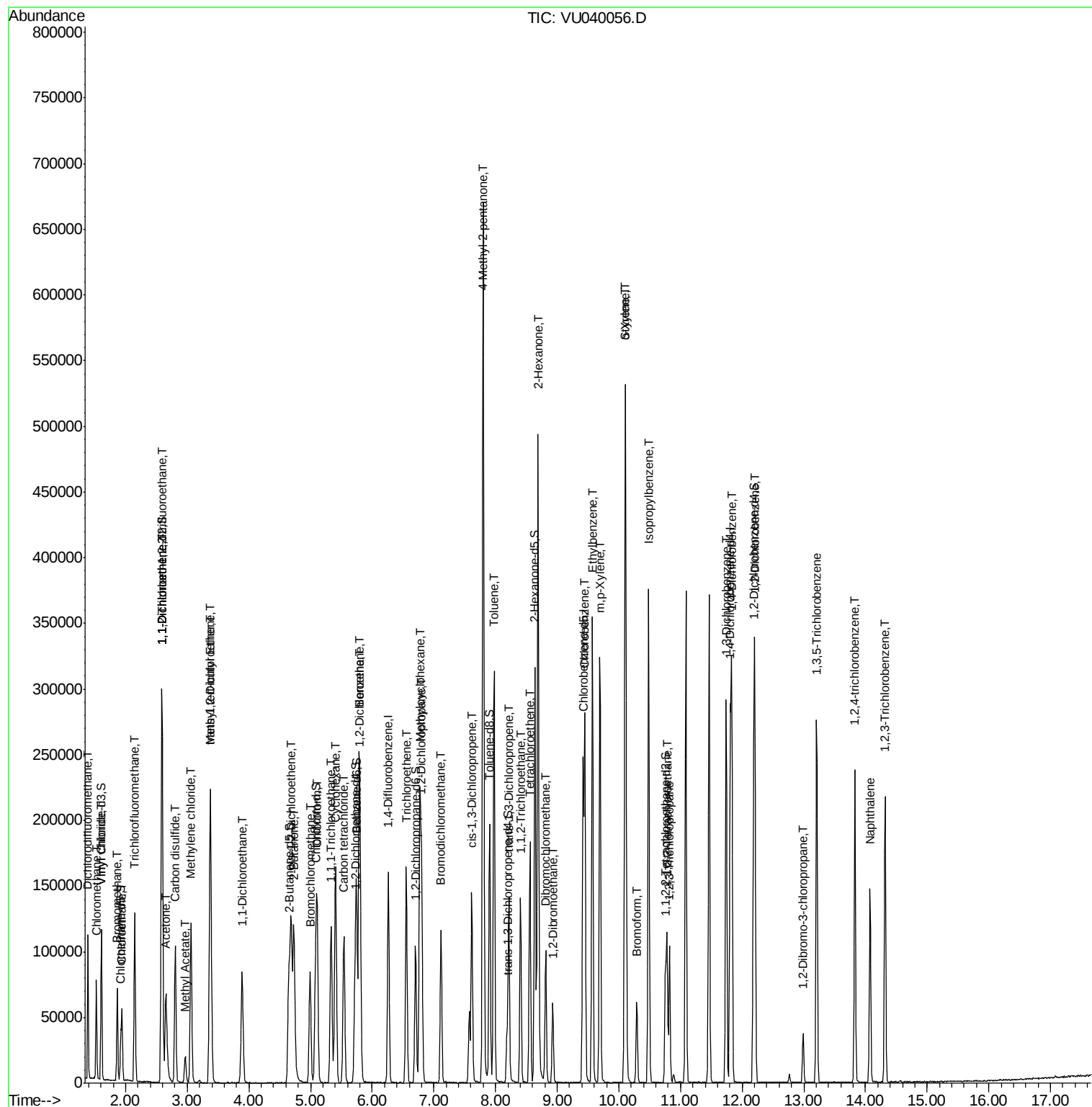
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	22818	5.059	ug/L	97
25) Chloroform	5.11	83	98946	4.903	ug/L	96
27) 1,2-Dichloroethane	5.81	62	69541	4.704	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	84710	4.679	ug/L	98
30) Cyclohexane	5.41	56	78145	4.451	ug/L	99
31) Carbon tetrachloride	5.54	117	71342	4.605	ug/L	98
33) Benzene	5.79	78	196446	4.763	ug/L	100
34) Trichloroethene	6.55	95	54177	4.897	ug/L	97
35) Methylcyclohexane	6.77	83	76435	4.511	ug/L	97
37) 1,2-Dichloropropane	6.80	63	54888	4.914	ug/L	98
38) Bromodichloromethane	7.11	83	71343	4.679	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	75907	4.608	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	435255	47.496	ug/L	99
42) Toluene	7.98	91	208441	4.907	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	70768	4.637	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	40822	5.017	ug/L	97
47) Tetrachloroethene	8.56	164	34835	4.793	ug/L	97
48) 2-Hexanone	8.69	43	317019	47.426	ug/L	99
49) Dibromochloromethane	8.82	129	46259	4.737	ug/L	97
50) 1,2-Dibromoethane	8.93	107	37446	4.773	ug/L	96
51) Chlorobenzene	9.45	112	131813	4.998	ug/L	95
52) Ethylbenzene	9.57	91	235455	4.878	ug/L	99
53) m,p-Xylene	9.69	106	85076	4.951	ug/L	96
54) o-Xylene	10.10	106	81586	4.982	ug/L	98
55) Styrene	10.11	104	147261	5.171	ug/L	97
56) Isopropylbenzene	10.48	105	226572	5.073	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	50864	4.875	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	40533	4.898	ug/L	99
61) Bromoform	10.29	173	24588	4.595	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	103043	4.832	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	103763	4.809	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	98947	4.795	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	9129	4.137	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	71053	4.739	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	59222	4.585	ug/L	97
69) Naphthalene	14.08	128	107871	4.007	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	53530	4.512	ug/L	99

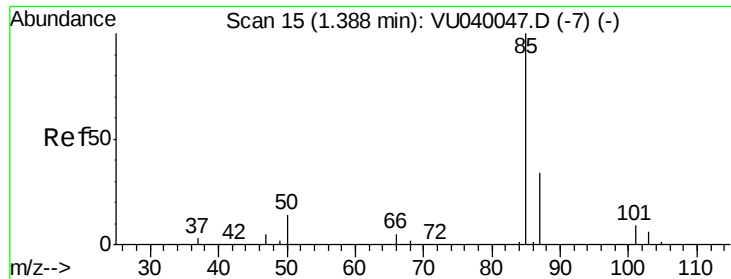
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.786 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

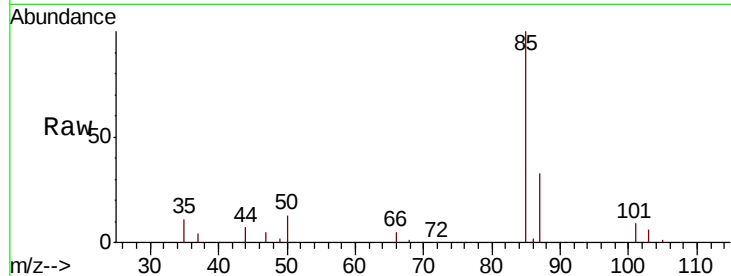
VSTD00525

Tot Ion: 85 Resp: 54620

Ion Ratio Lower Upper

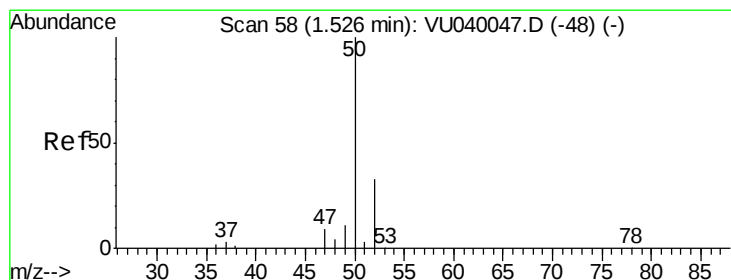
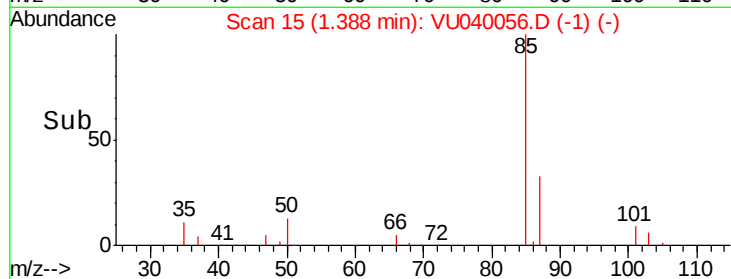
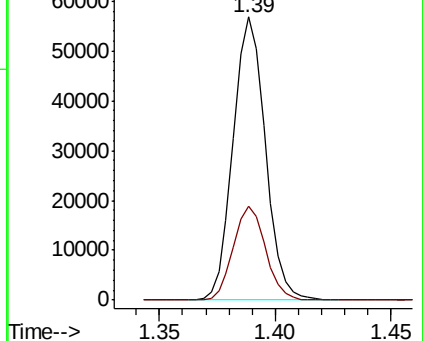
85 100

87 33.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.670 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040056.D

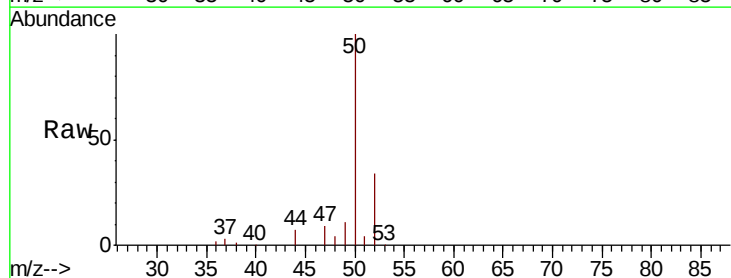
Acq: 08 Sep 2020 18:13

Tgt Ion: 50 Resp: 51025

Ion Ratio Lower Upper

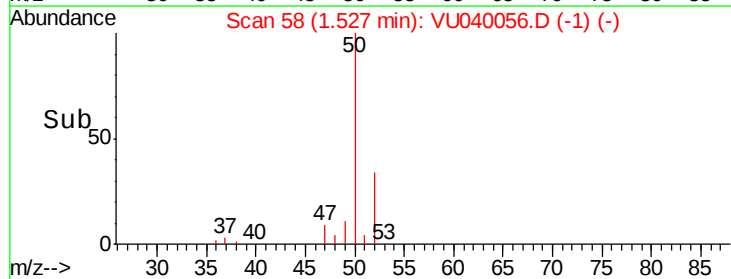
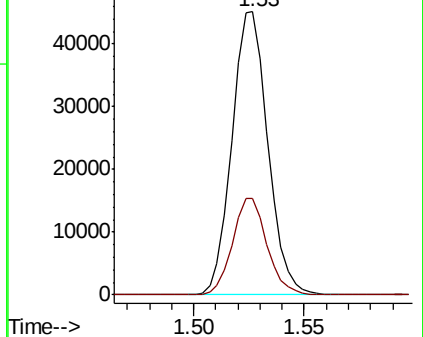
50 100

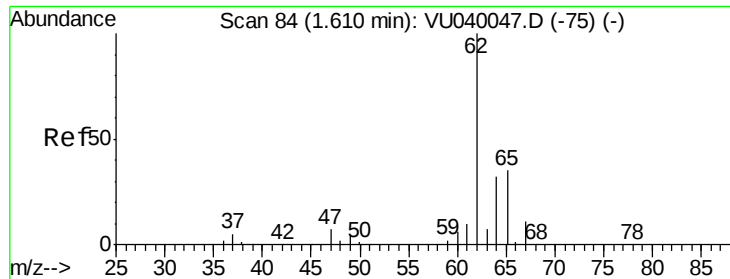
52 33.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.648 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

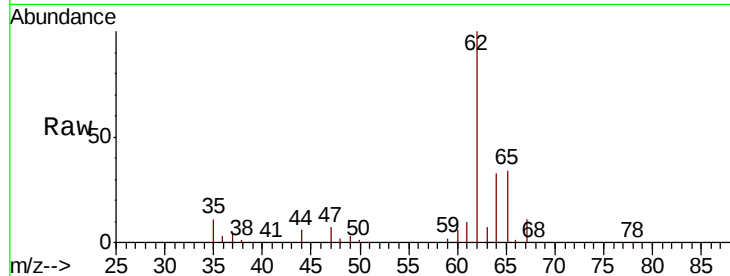
VSTD00525

Tot Ion: 62 Resp: 51479

Ion Ratio Lower Upper

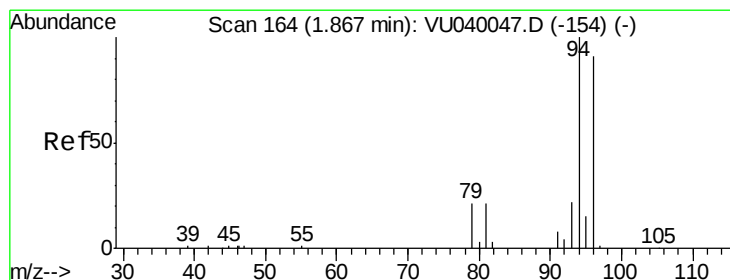
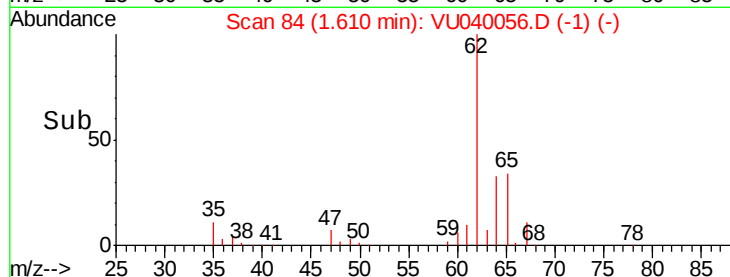
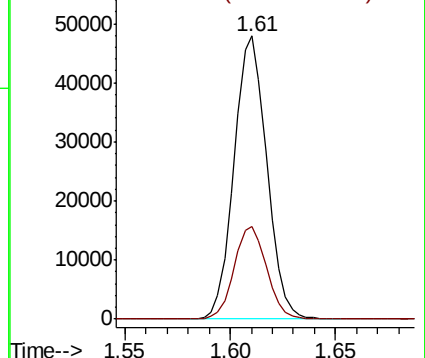
62 100

64 32.9 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: 5.297 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040056.D

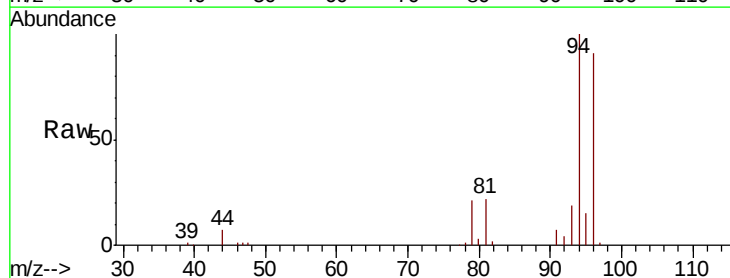
Acq: 08 Sep 2020 18:13

Tgt Ion: 94 Resp: 29992

Ion Ratio Lower Upper

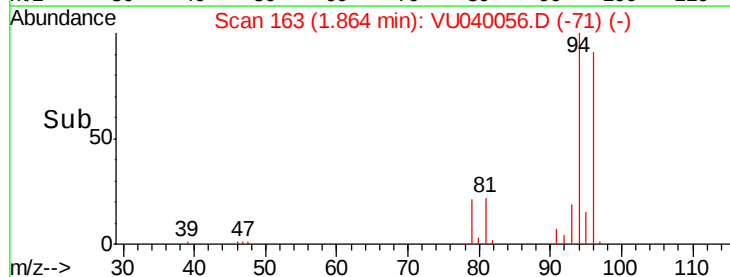
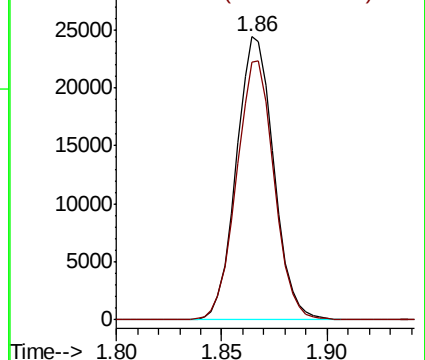
94 100

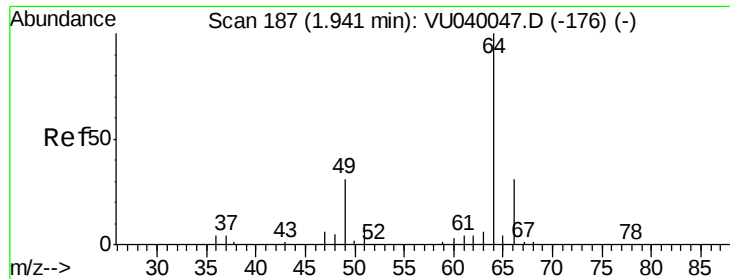
96 91.0 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.524 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

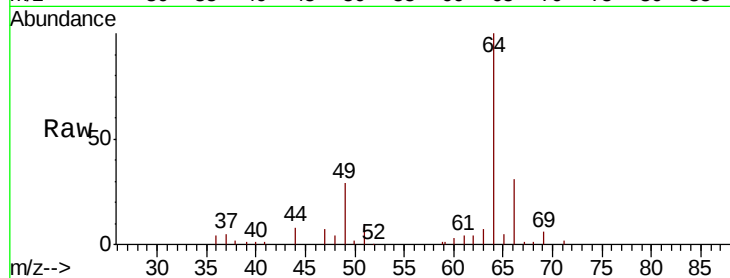
VSTD00525

Tot Ion: 64 Resp: 30118

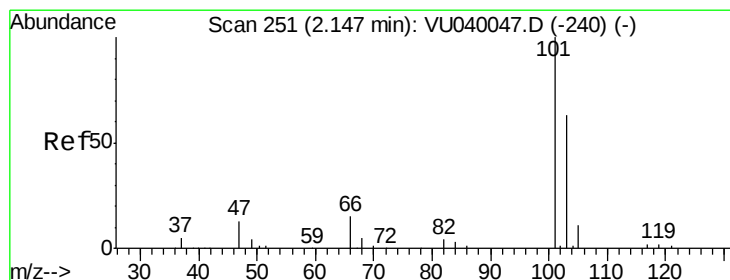
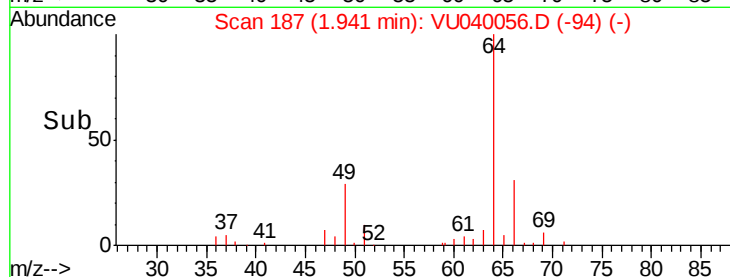
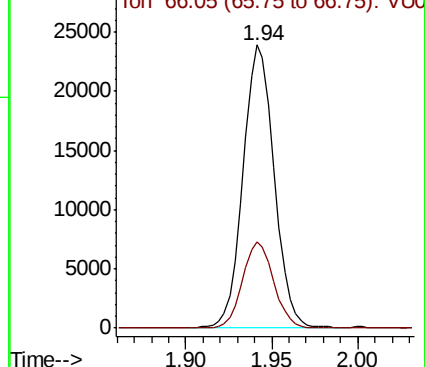
Ion Ratio Lower Upper

64 100

66 30.6 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU040047.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 5.014 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU040056.D

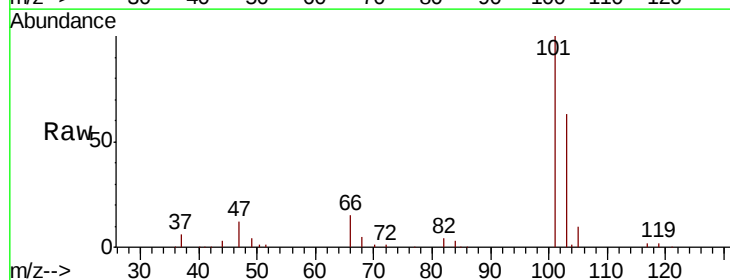
Acq: 08 Sep 2020 18:13

Tgt Ion:101 Resp: 79549

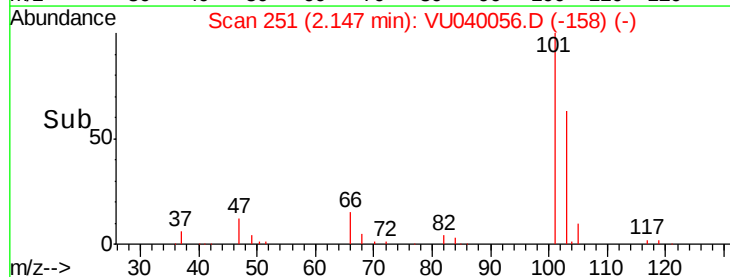
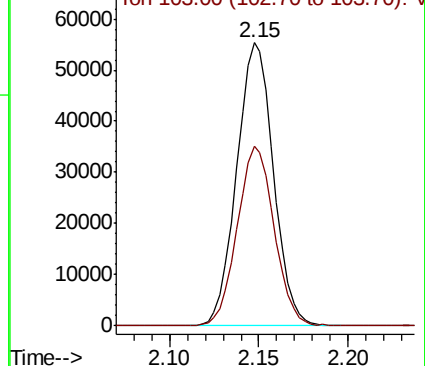
Ion Ratio Lower Upper

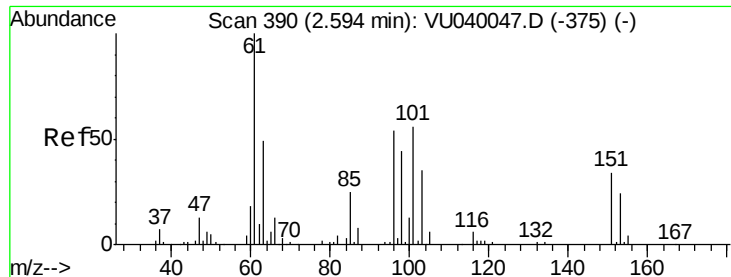
101 100

103 63.7 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU040047.D (-240) (-)





#10

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

Concen: 4.797 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

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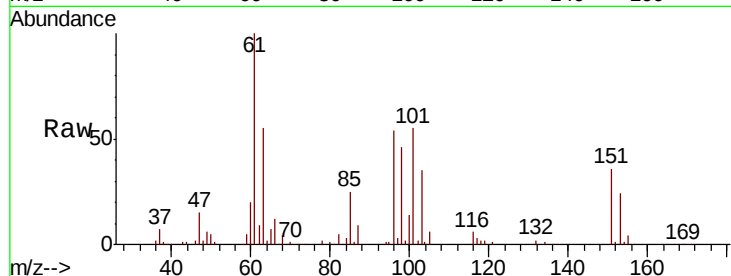
Tot Ion: 101 Resp: 49333

Ion Ratio Lower Upper

101 100

85 46.7 37.7 56.5

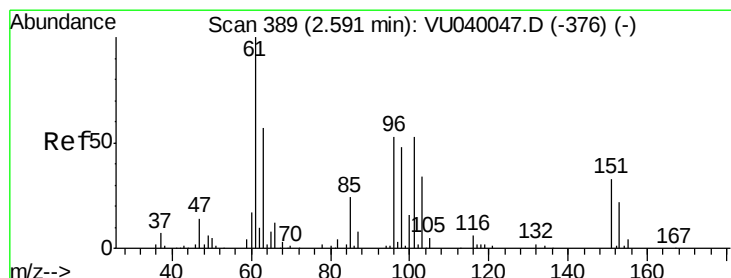
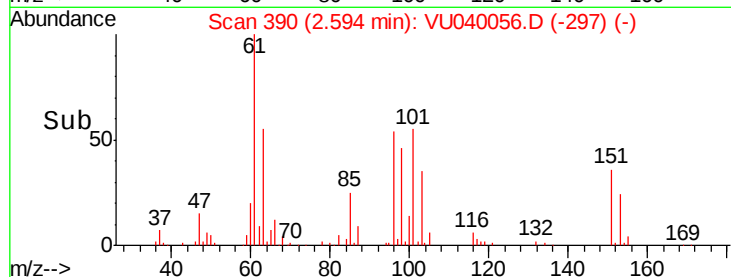
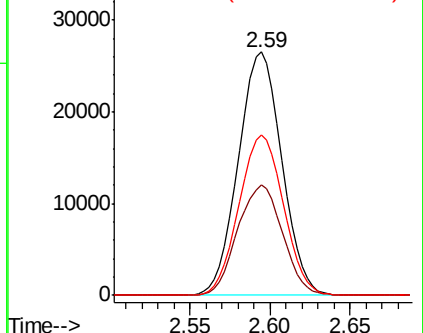
151 67.3 53.9 80.9



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: 4.908 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

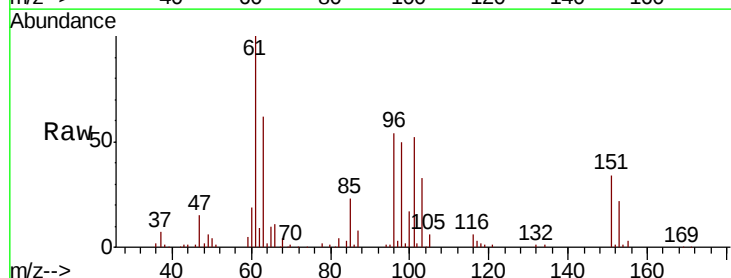
Tgt Ion: 96 Resp: 43676

Ion Ratio Lower Upper

96 100

61 186.8 138.3 256.8

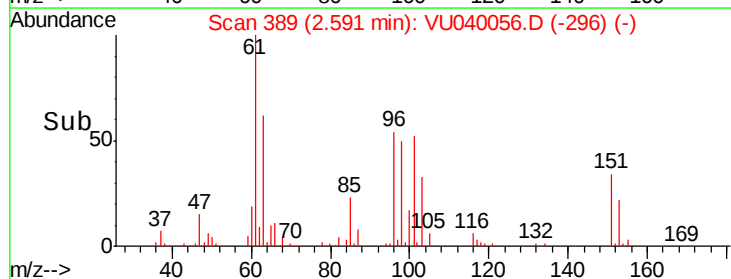
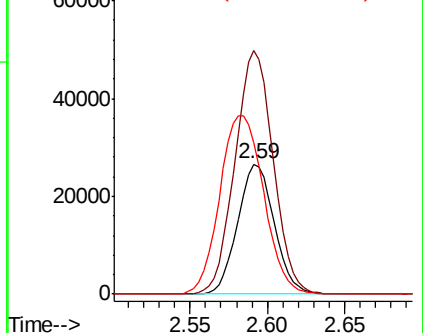
63 116.4 77.6 144.2

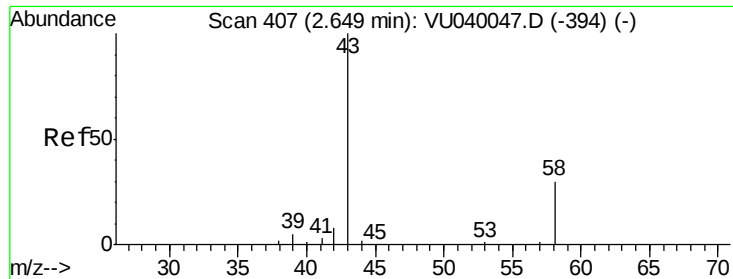


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.994 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

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ClientSampleId :

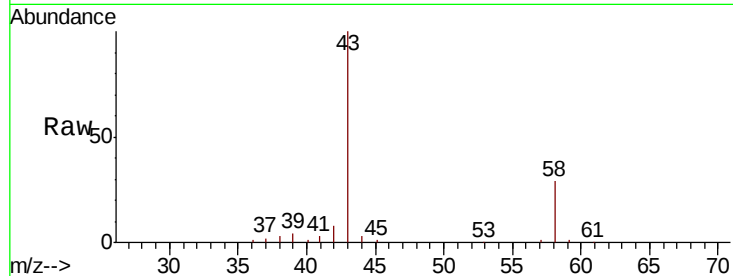
VSTD00525

Tot Ion: 43 Resp: 106921

Ion Ratio Lower Upper

43 100

58 29.6 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040047.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU040047.D (-394) (-)

2.65

50000

40000

30000

20000

10000

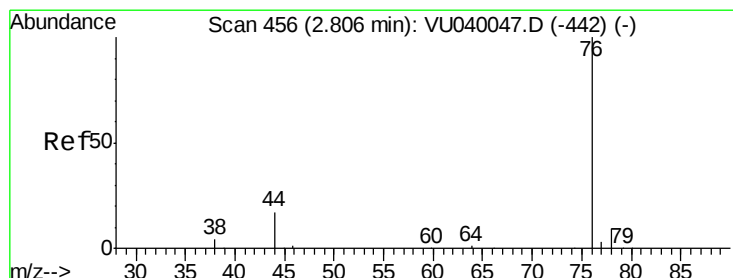
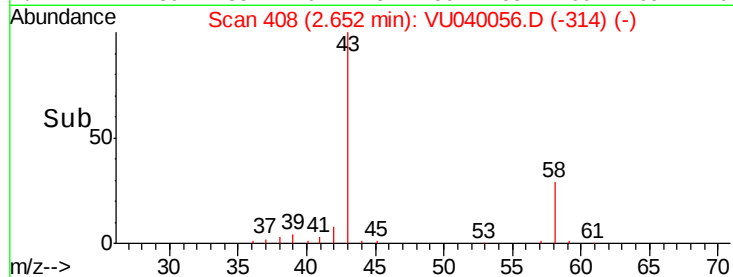
0

Time-->

2.60

2.70

2.80



#14

Carbon disulfide

Concen: 4.503 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040056.D

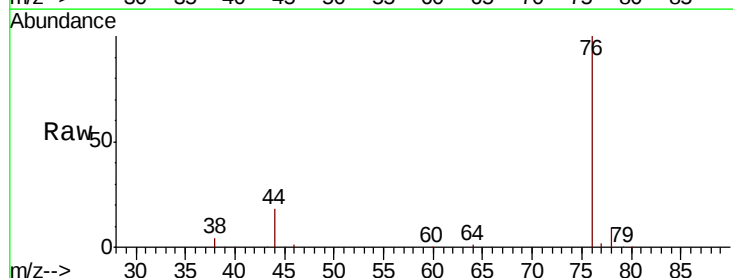
Acq: 08 Sep 2020 18:13

Tgt Ion: 76 Resp: 128498

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040047.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040047.D (-442) (-)

2.81

80000

60000

40000

20000

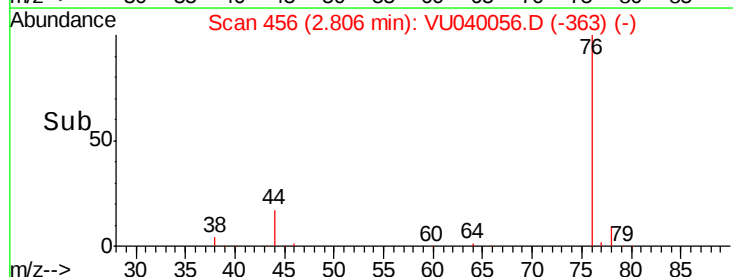
0

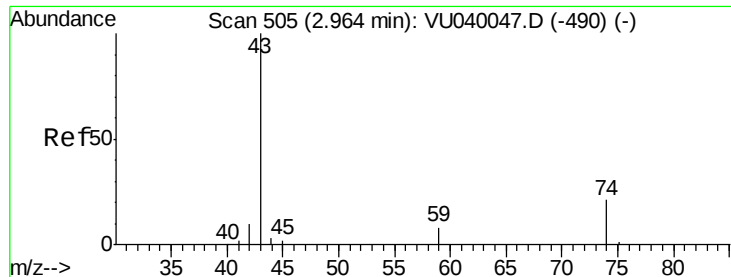
Time-->

2.75

2.85

2.90

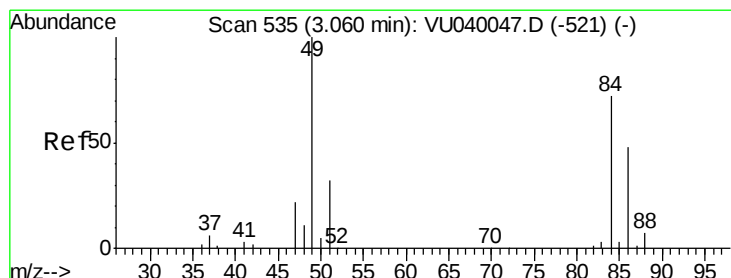
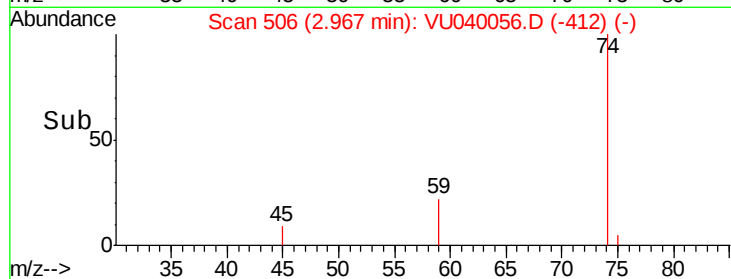
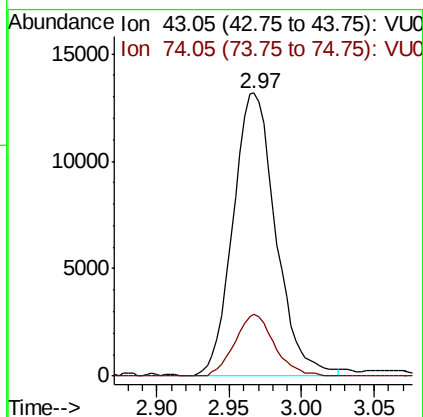
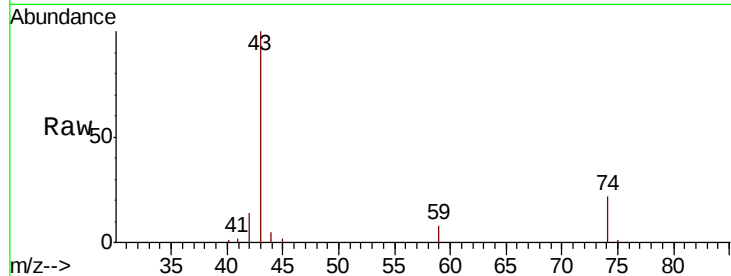




#15
Methyl Acetate
Concen: 4.642 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU040056.D
Acq: 08 Sep 2020 18:13

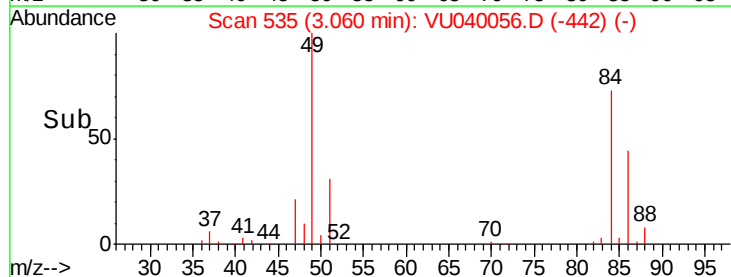
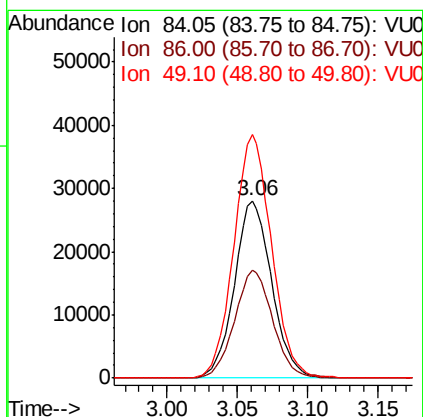
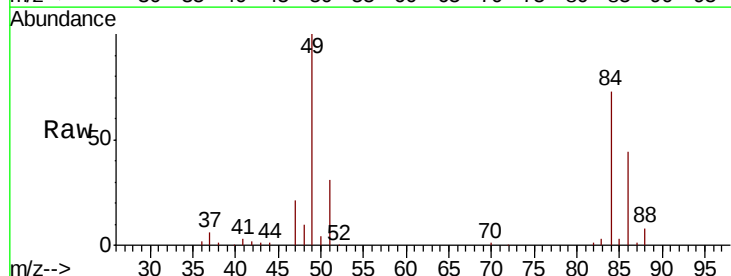
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

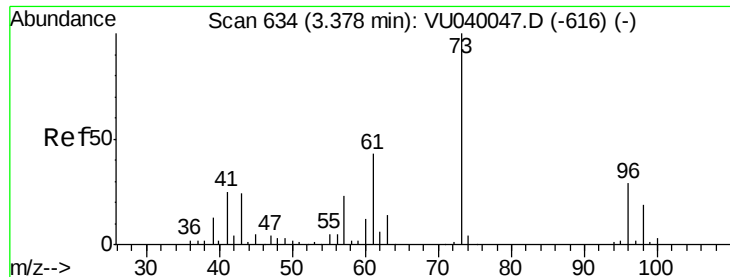
Tot Ion: 43 Resp: 27082
Ion Ratio Lower Upper
43 100
74 20.2 17.4 26.0



#16
Methylene chloride
Concen: 4.461 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040056.D
Acq: 08 Sep 2020 18:13

Tgt Ion: 84 Resp: 51987
Ion Ratio Lower Upper
84 100
86 60.6 45.2 84.0
49 137.2 104.0 193.2

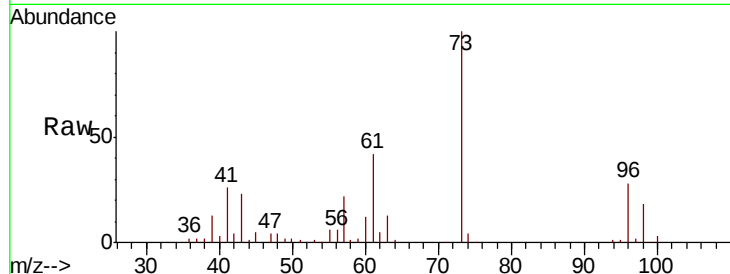




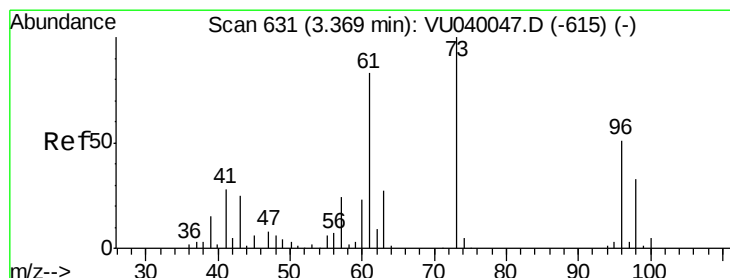
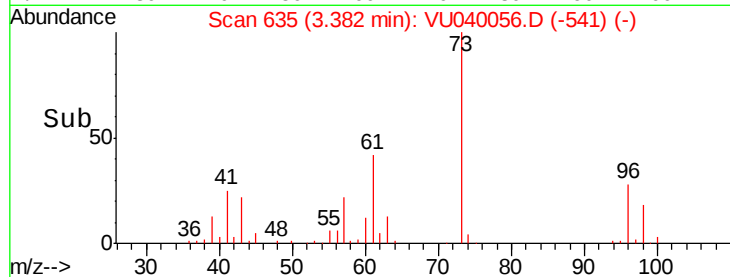
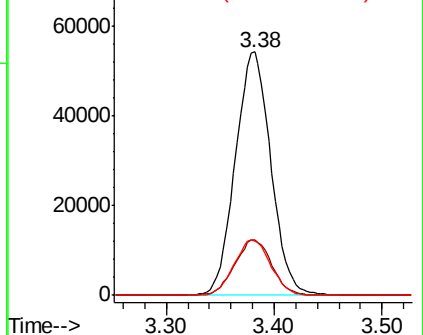
#17
Methvl tert-butvl Ether
Concen: 4.631 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040056.D
Acq: 08 Sep 2020 18:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tot Ion: 73 Resp: 124198
Ion Ratio Lower Upper
73 100
43 23.8 19.1 28.7
57 23.3 18.3 27.5

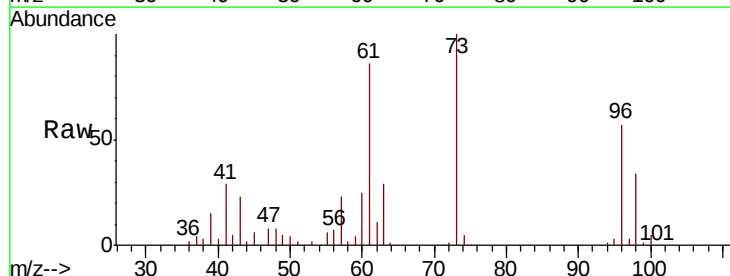


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

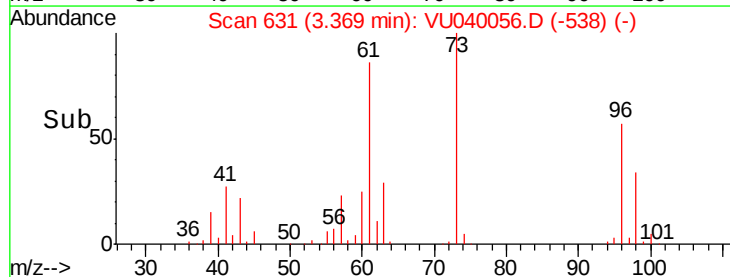
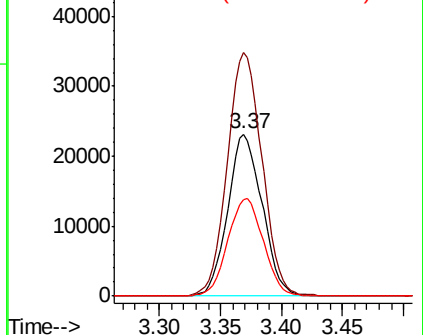


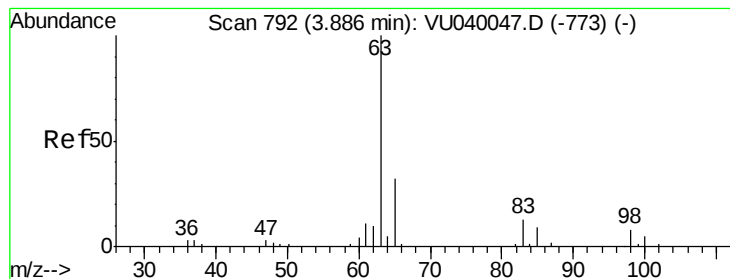
#18
trans-1,2-Dichloroethene
Concen: 4.745 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040056.D
Acq: 08 Sep 2020 18:13

Tgt Ion: 96 Resp: 45420
Ion Ratio Lower Upper
96 100
61 150.4 110.5 205.3
98 59.7 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: 4.797 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

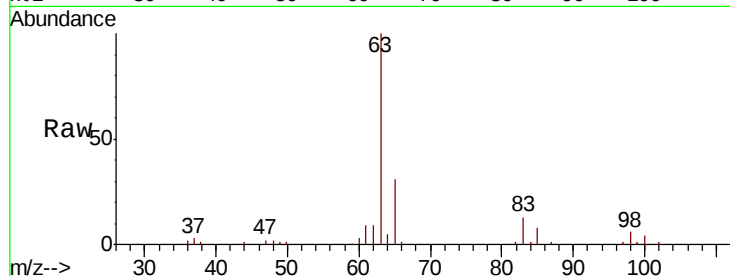
Tot Ion: 63 Resp: 94517

Ion Ratio Lower Upper

63 100

65 31.1 22.2 41.2

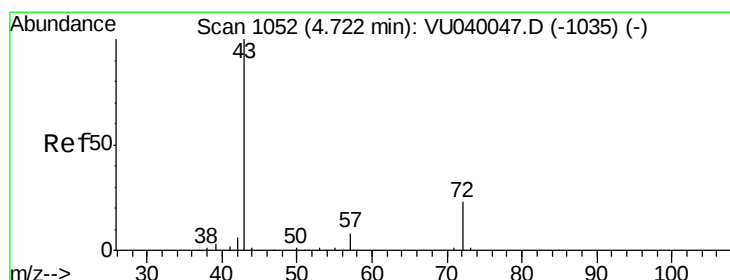
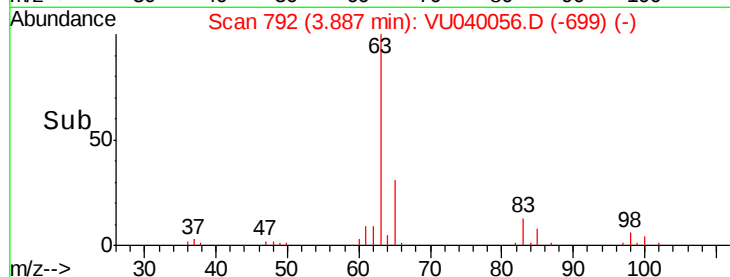
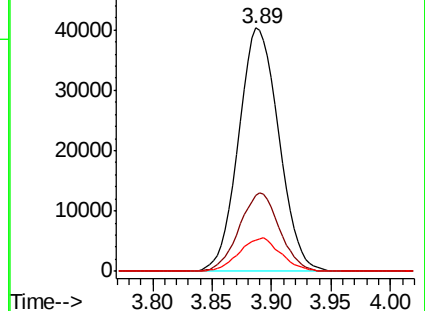
83 13.0 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU040047.D (-773) (-)

Ion 65.10 (64.80 to 65.80): VU040047.D (-773) (-)

Ion 83.05 (82.75 to 83.75): VU040047.D (-773) (-)



#21

2-Butanone

Concen: 48.228 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VU040056.D

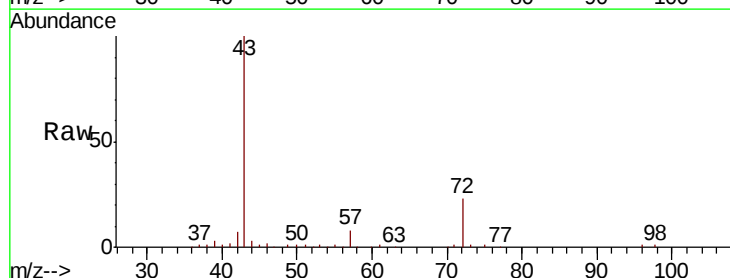
Acq: 08 Sep 2020 18:13

Tgt Ion: 43 Resp: 183040

Ion Ratio Lower Upper

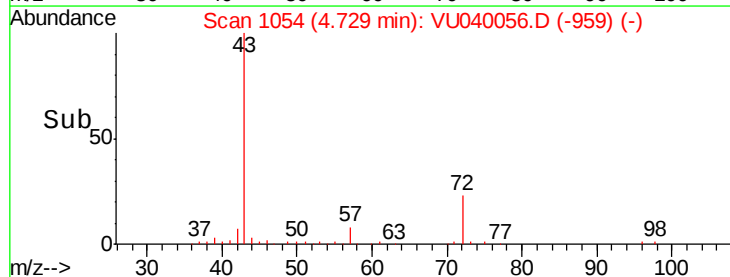
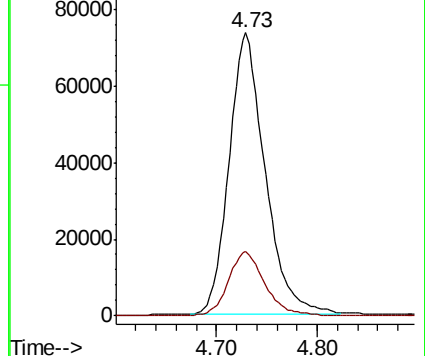
43 100

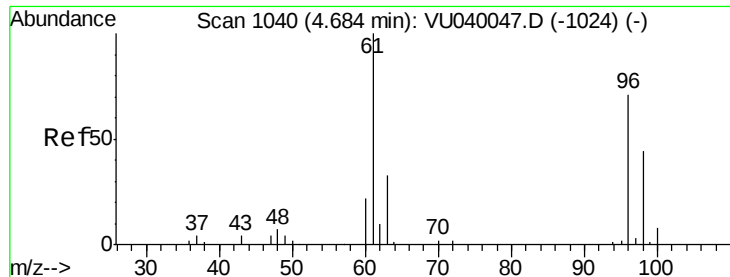
72 23.3 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU040047.D (-1035) (-)

Ion 72.10 (71.80 to 72.80): VU040047.D (-1035) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.875 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

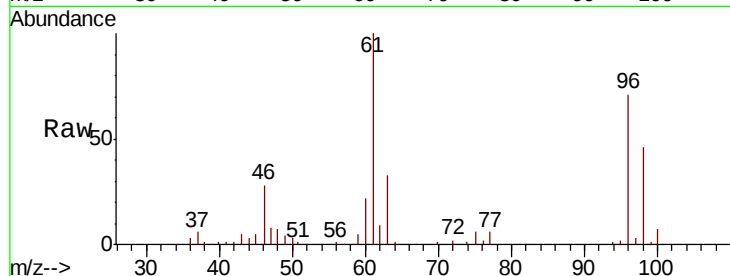
Tot Ion: 96 Resp: 50178

Ion Ratio Lower Upper

96 100

61 140.6 98.8 183.4

68 0.0 0.0 0.0

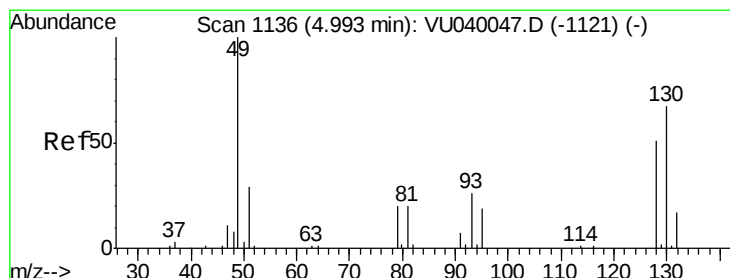
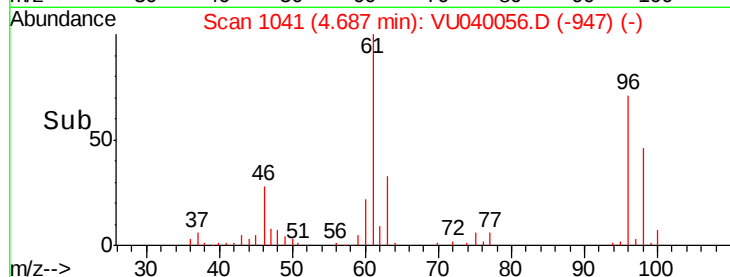
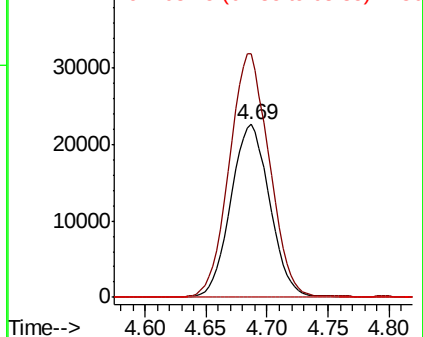


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.059 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Tgt Ion: 128 Resp: 22818

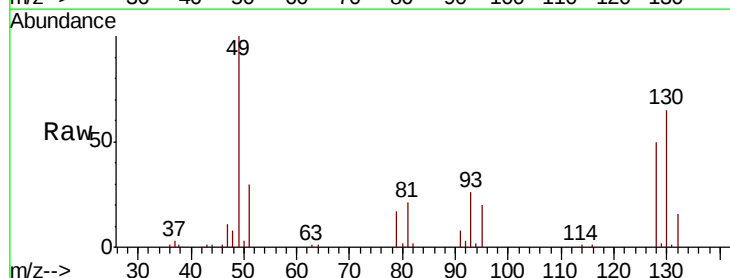
Ion Ratio Lower Upper

128 100

49 198.9 143.4 266.4

130 129.4 89.5 166.3

51 60.3 51.0 76.4



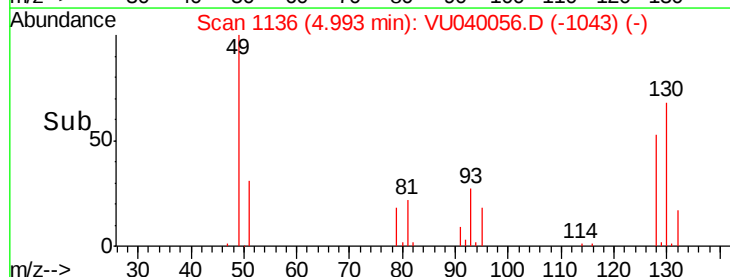
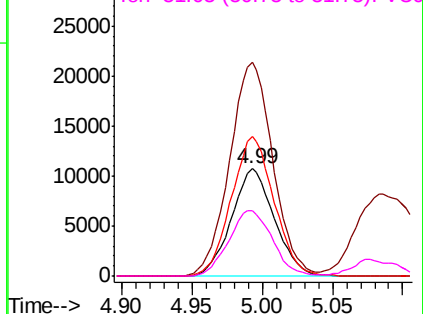
Abundance

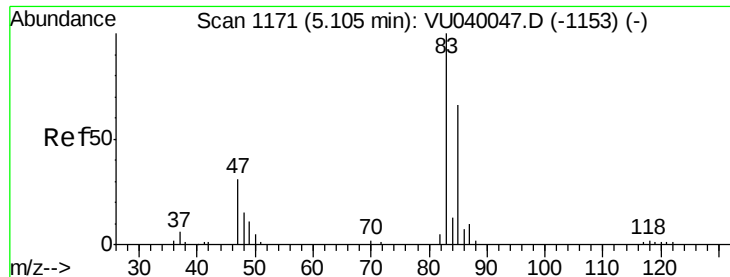
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

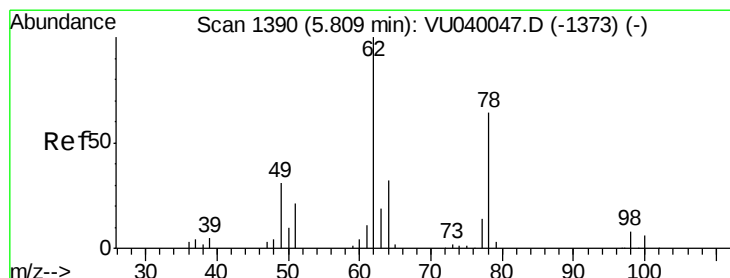
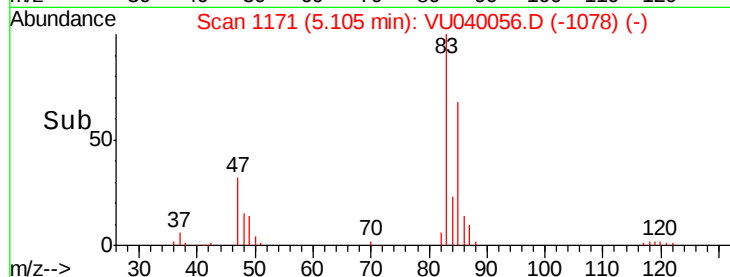
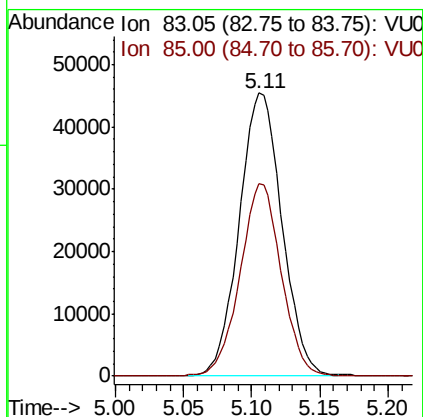
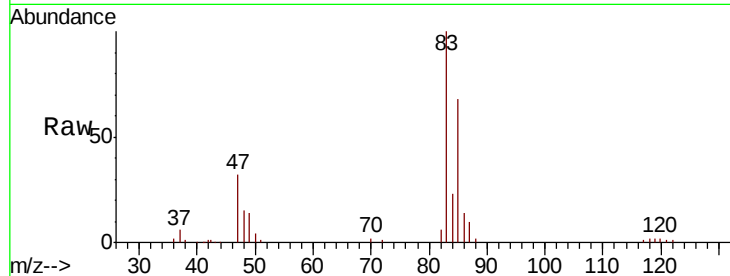




#25
Chloroform
Concen: 4.903 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040056.D
Acq: 08 Sep 2020 18:13

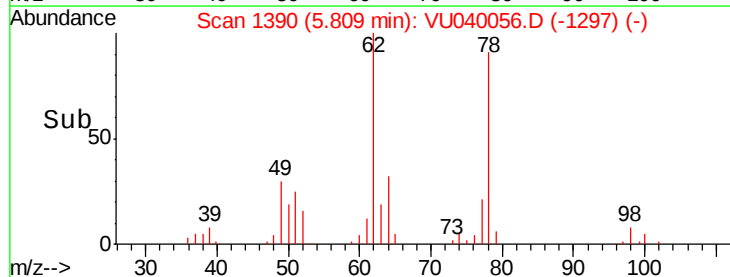
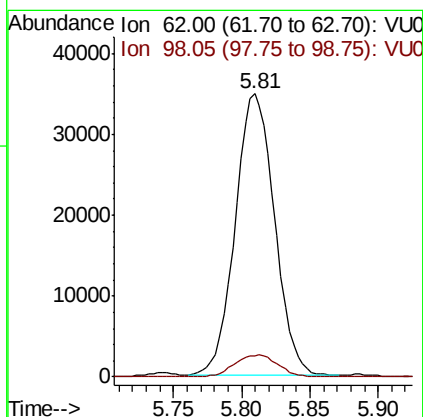
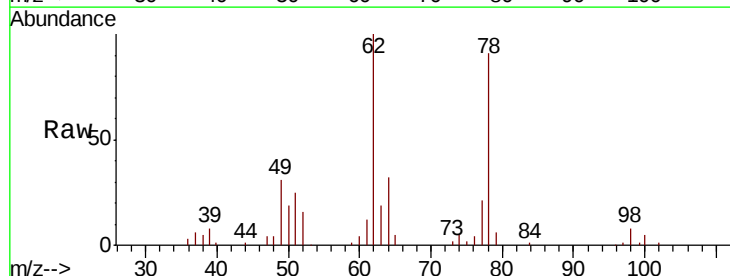
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

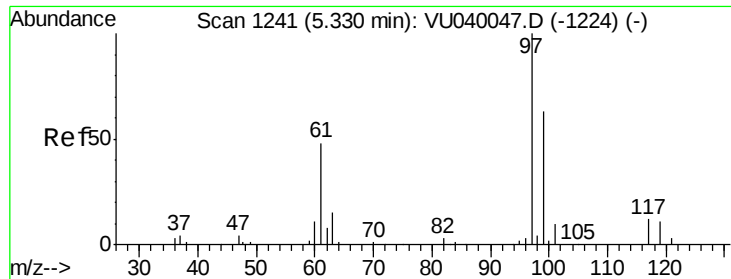
Tot Ion: 83 Resp: 98946
Ion Ratio Lower Upper
83 100
85 67.8 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.704 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040056.D
Acq: 08 Sep 2020 18:13

Tgt Ion: 62 Resp: 69541
Ion Ratio Lower Upper
62 100
98 7.5 6.1 9.1

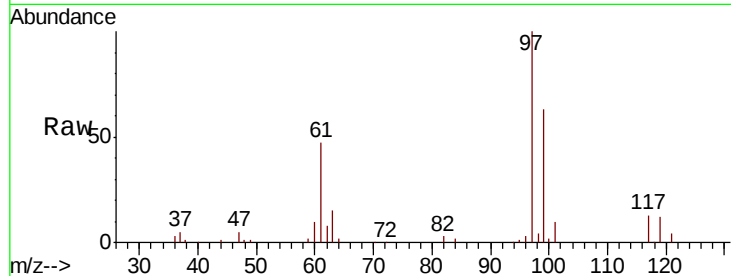




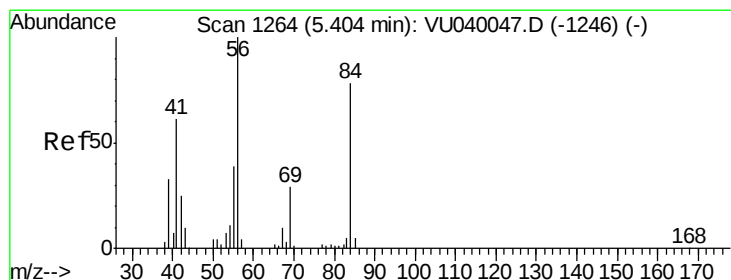
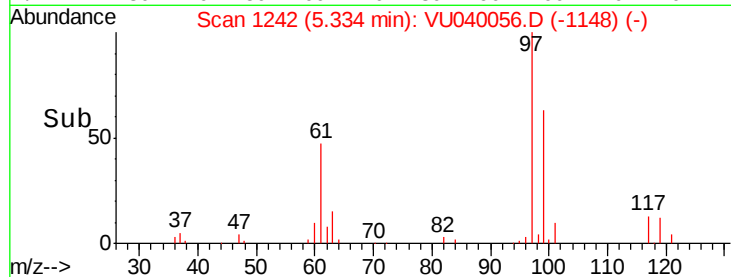
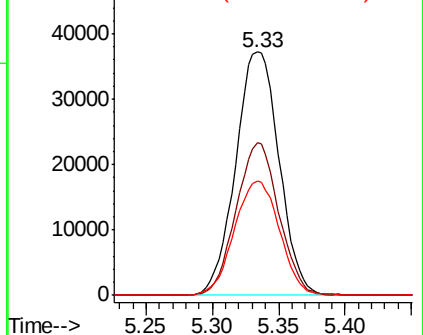
#29
 1,1,1-Trichloroethane
 Concen: 4.679 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040056.D
 Acq: 08 Sep 2020 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion: 97 Resp: 84710
 Ion Ratio Lower Upper
 97 100
 99 61.7 50.9 76.3
 61 49.1 39.5 59.3

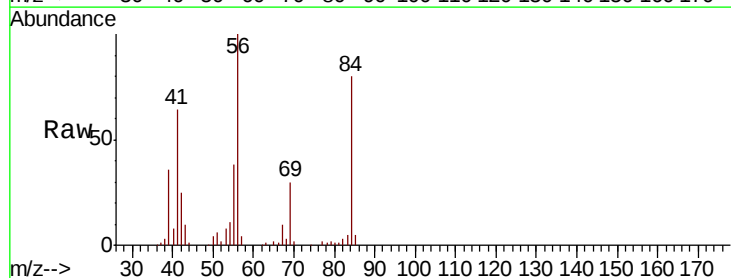


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

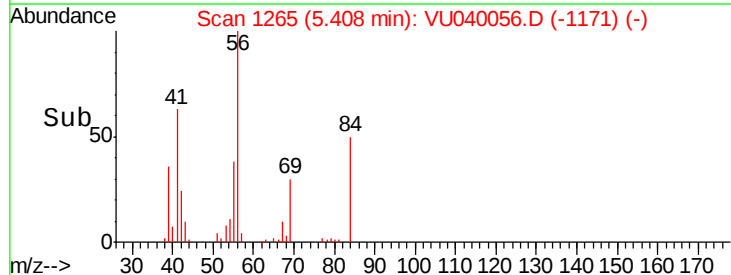
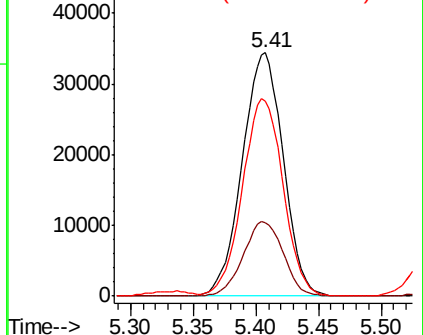


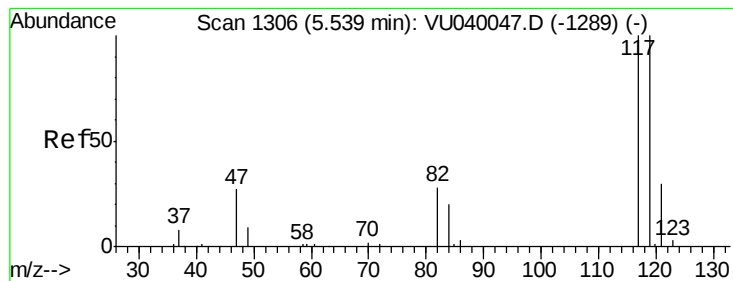
#30
 Cyclohexane
 Concen: 4.451 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040056.D
 Acq: 08 Sep 2020 18:13

Tgt Ion: 56 Resp: 78145
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.1 36.1
 84 80.6 65.0 97.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.605 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

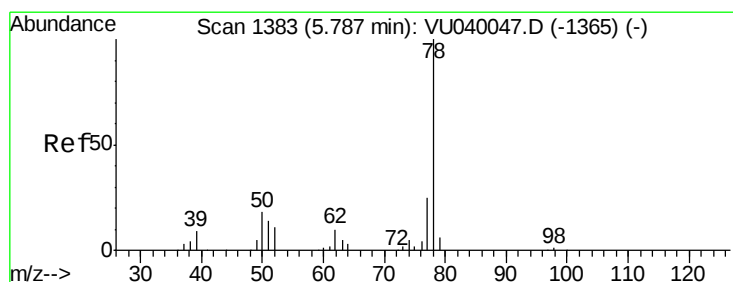
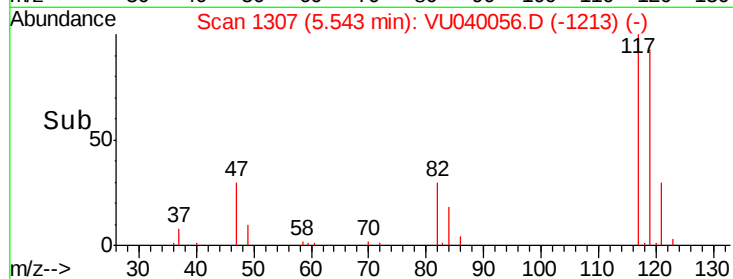
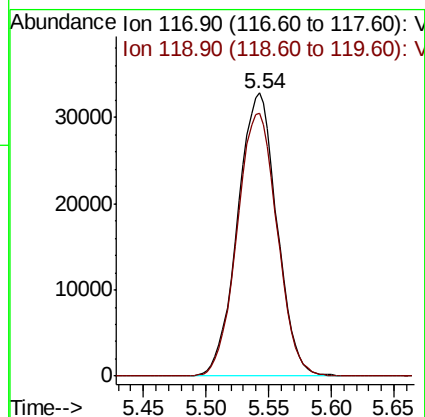
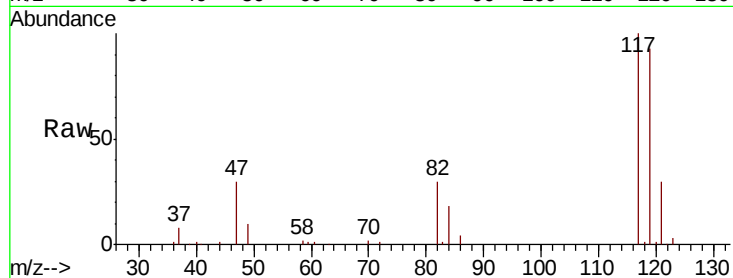
VSTD00525

Tot Ion:117 Resp: 71342

Ion Ratio Lower Upper

117 100

119 94.7 77.7 116.5



#33

Benzene

Concen: 4.763 ug/L

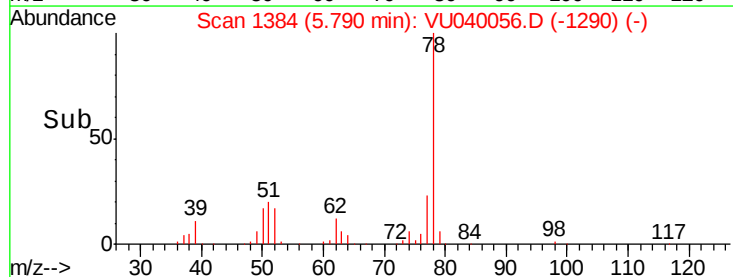
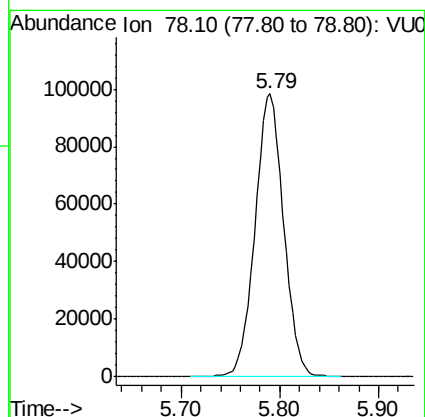
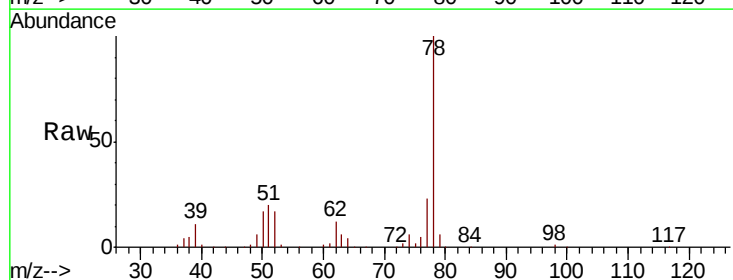
RT: 5.79 min Scan# 1384

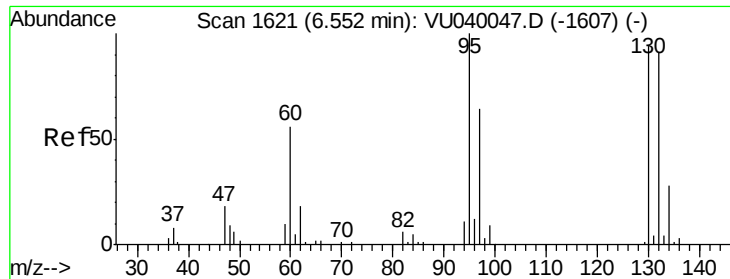
Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Tgt Ion: 78 Resp: 196446





#34

Trichloroethene

Concen: 4.897 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

Tot Ion: 95 Resp: 54177

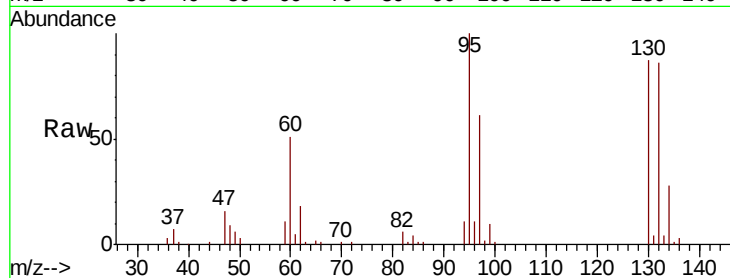
Ion Ratio Lower Upper

95 100

97 61.5 43.3 80.5

132 85.8 59.4 110.4

130 87.0 64.8 120.4

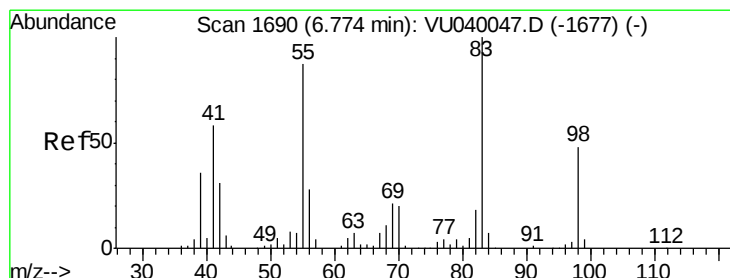
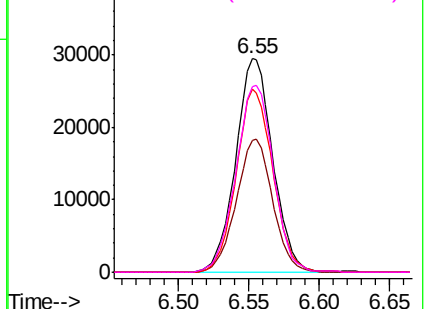
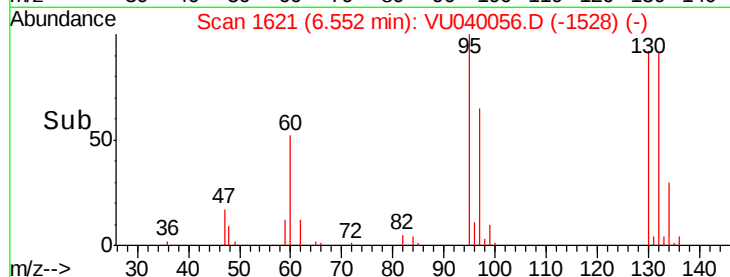


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.511 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

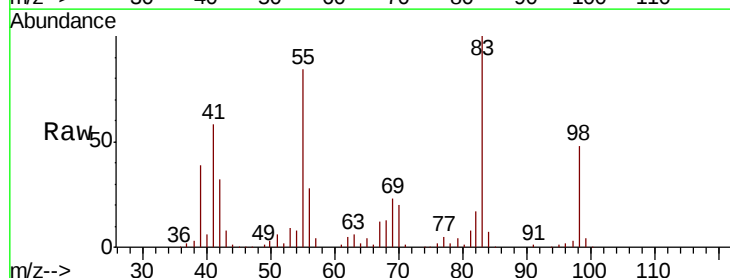
Tgt Ion: 83 Resp: 76435

Ion Ratio Lower Upper

83 100

55 84.4 70.5 105.7

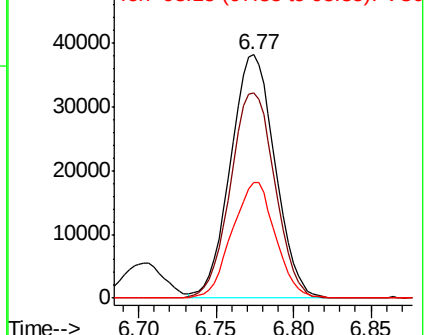
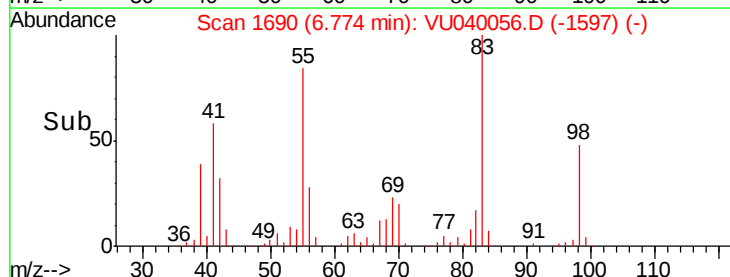
98 46.2 37.8 56.6

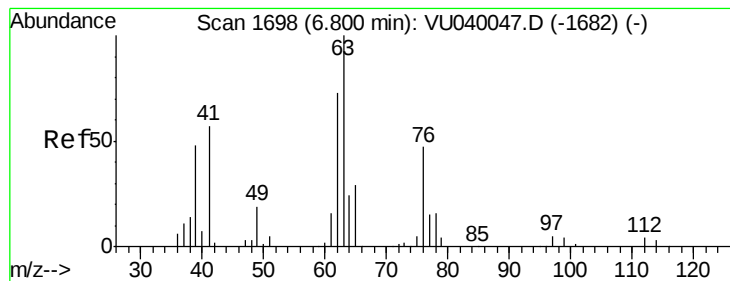


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.914 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

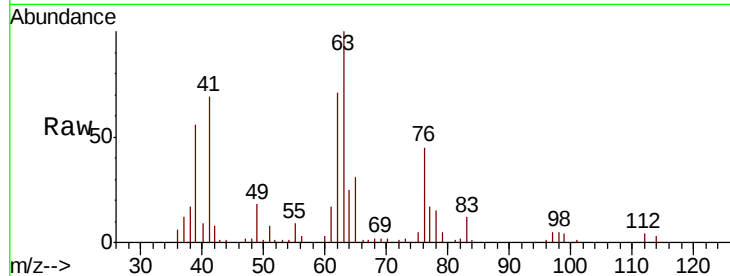
VSTD00525

Tot Ion: 63 Resp: 54888

Ion Ratio Lower Upper

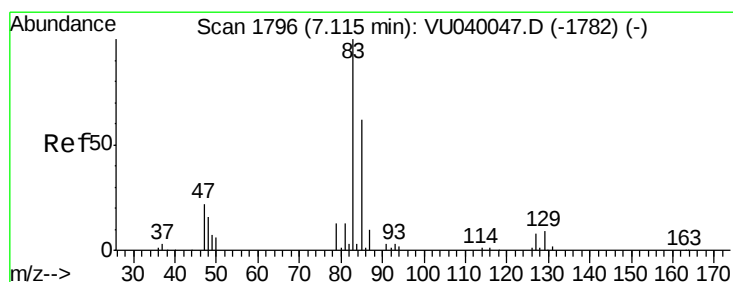
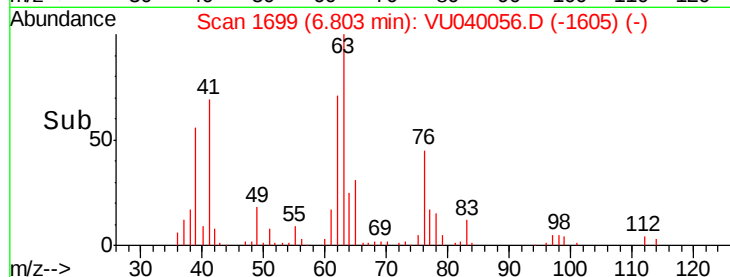
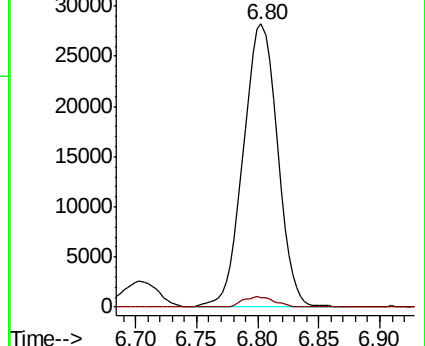
63 100

112 3.4 3.2 4.8



Abundance Ion 63.10 (62.80 to 63.80): VU040047.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU040047.D (-1682) (-)



#38

Bromodichloromethane

Concen: 4.679 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

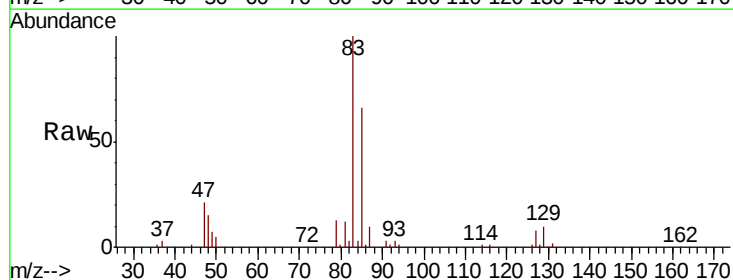
Tgt Ion: 83 Resp: 71343

Ion Ratio Lower Upper

83 100

85 65.8 45.1 83.9

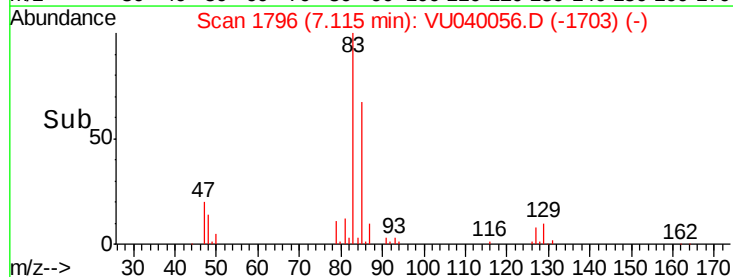
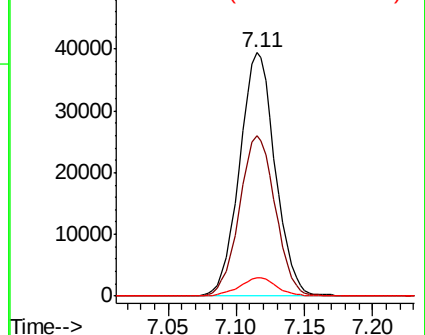
127 7.5 6.7 10.1

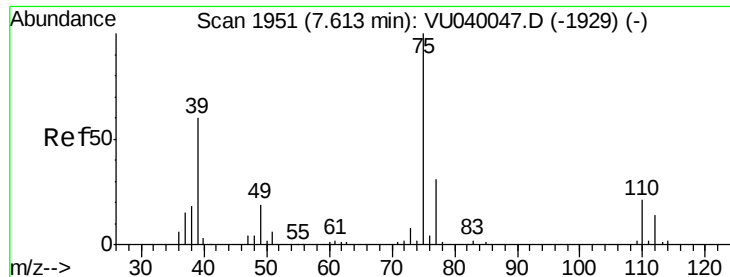


Abundance Ion 82.95 (82.65 to 83.65): VU040047.D (-1782) (-)

Ion 85.00 (84.70 to 85.70): VU040047.D (-1782) (-)

Ion 126.90 (126.60 to 127.60): VU040047.D (-1782) (-)

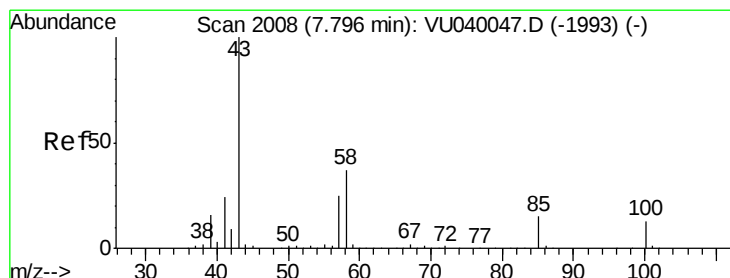
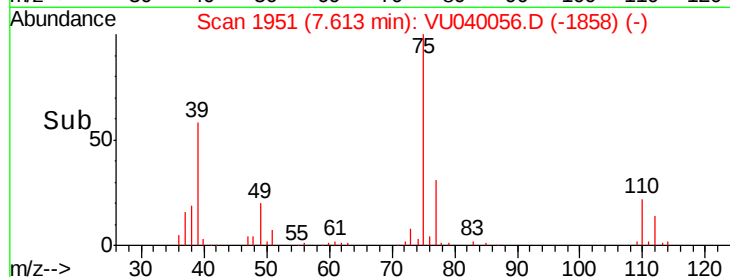
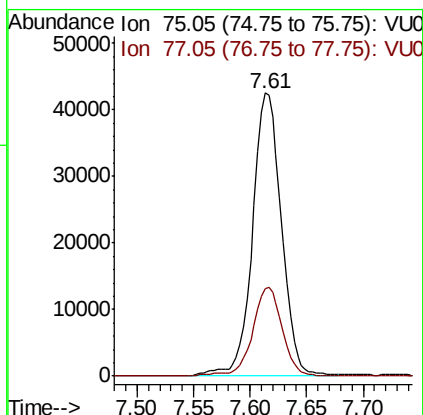
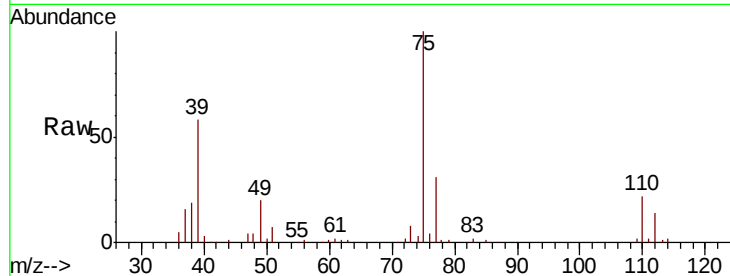




#39
 cis-1,3-Dichloropropene
 Concen: 4.608 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU040056.D
 Acq: 08 Sep 2020 18:13

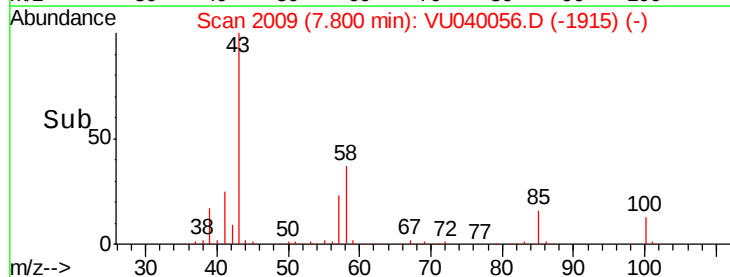
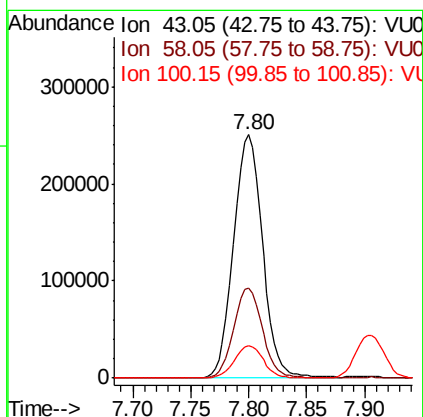
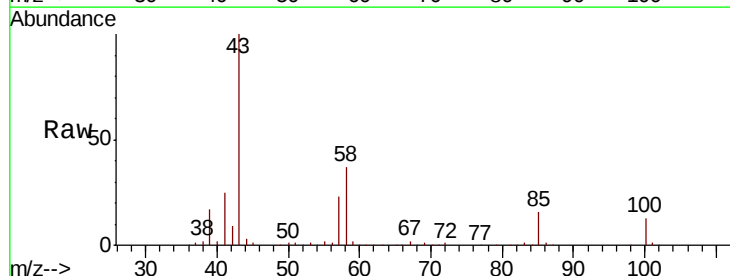
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

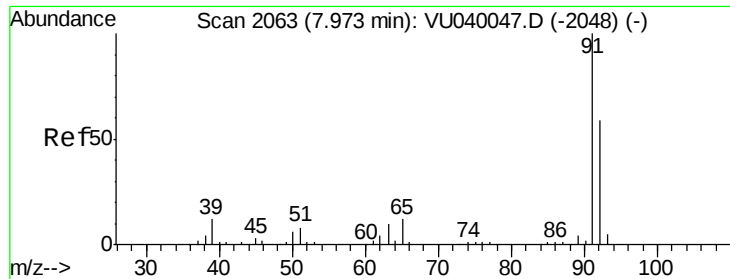
Tot Ion: 75 Resp: 75907
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 47.496 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040056.D
 Acq: 08 Sep 2020 18:13

Tgt Ion: 43 Resp: 435255
 Ion Ratio Lower Upper
 43 100
 58 36.5 28.7 43.1
 100 13.4 10.2 15.2





#42

Toluene

Concen: 4.907 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

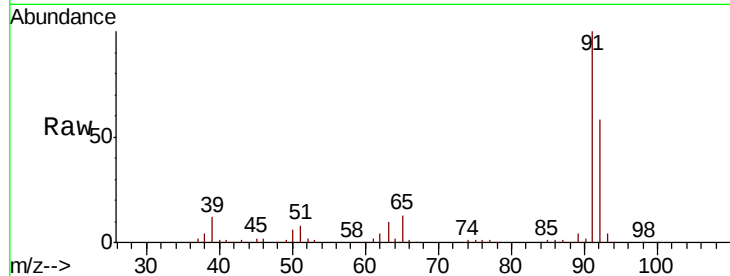
VSTD00525

Tot Ion: 91 Resp: 208441

Ion Ratio Lower Upper

91 100

92 58.0 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

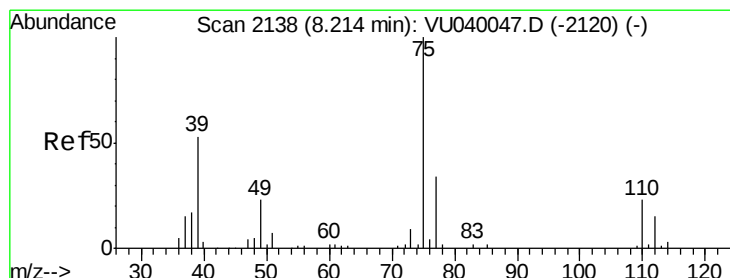
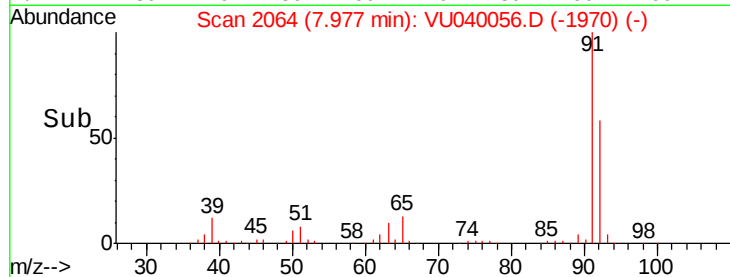
7.98

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.637 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040056.D

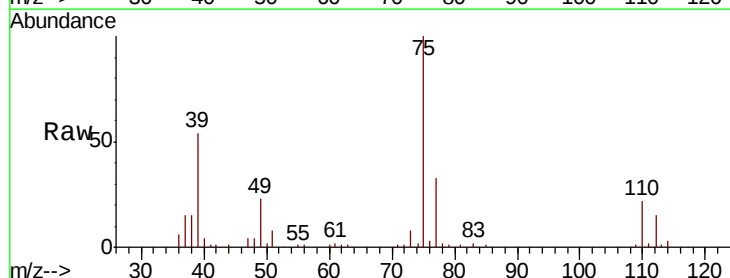
Acq: 08 Sep 2020 18:13

Tgt Ion: 75 Resp: 70768

Ion Ratio Lower Upper

75 100

77 32.6 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

40000

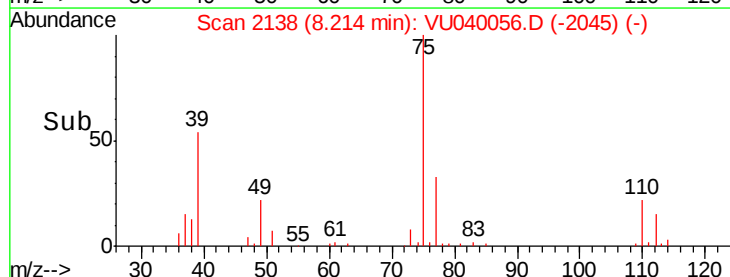
30000

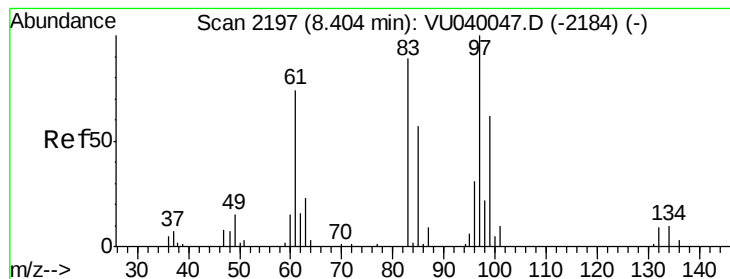
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.017 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

Tot Ion: 97 Resp: 40822

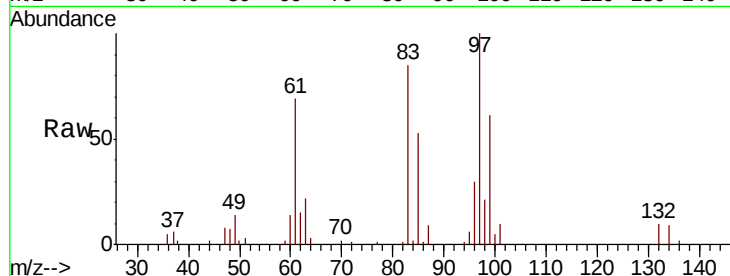
Ion Ratio Lower Upper

97 100

99 60.9 43.0 79.8

83 85.2 61.7 114.7

85 52.5 39.3 73.1

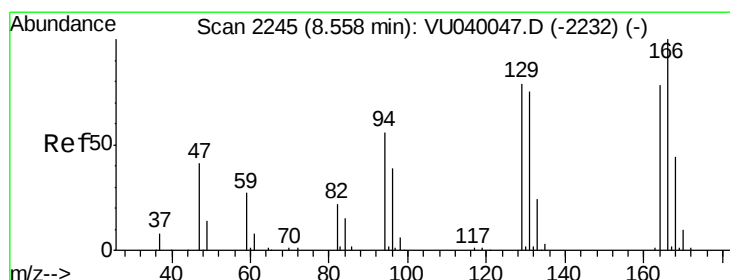
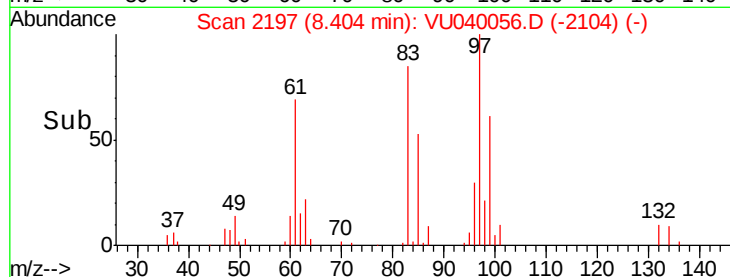
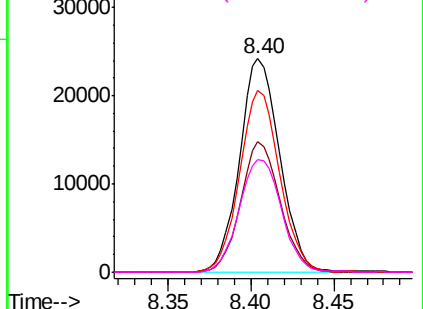


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.793 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Tgt Ion: 164 Resp: 34835

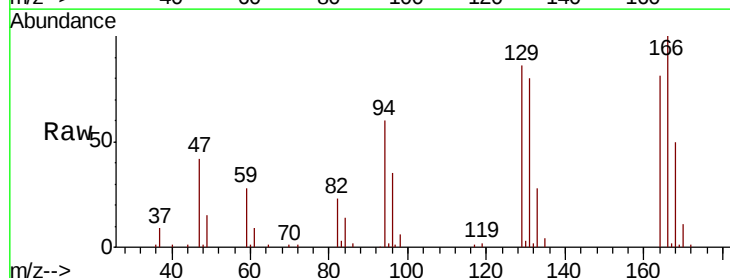
Ion Ratio Lower Upper

164 100

129 105.7 71.5 132.7

131 98.3 65.9 122.5

166 122.8 87.3 162.1

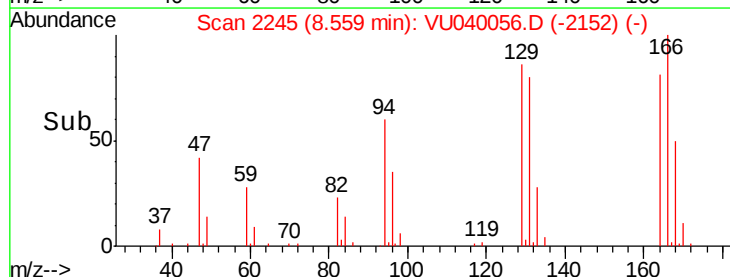
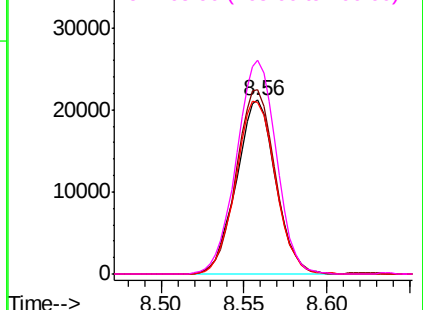


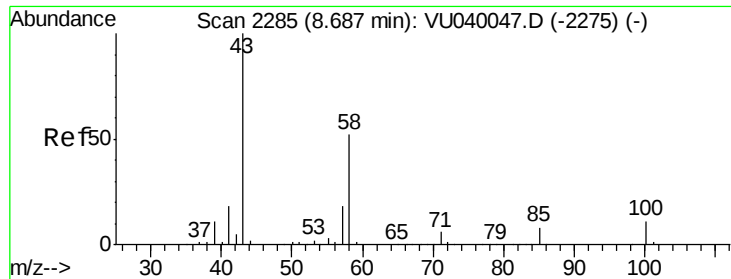
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

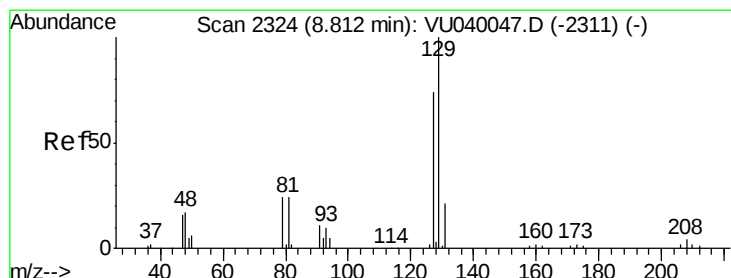
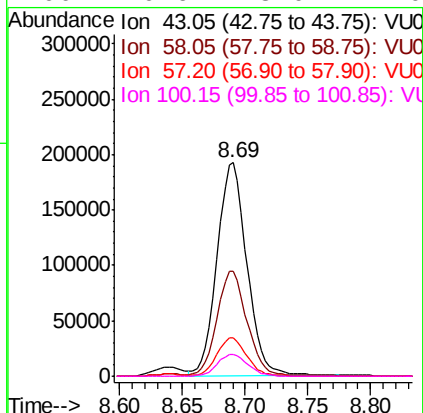
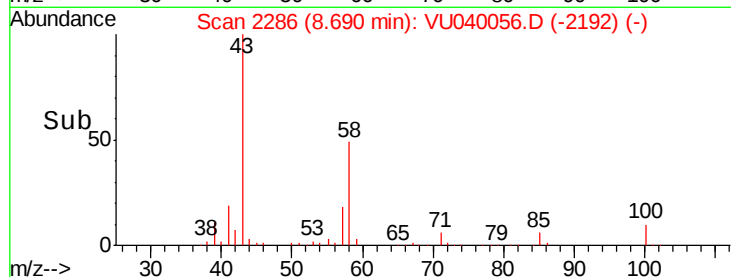
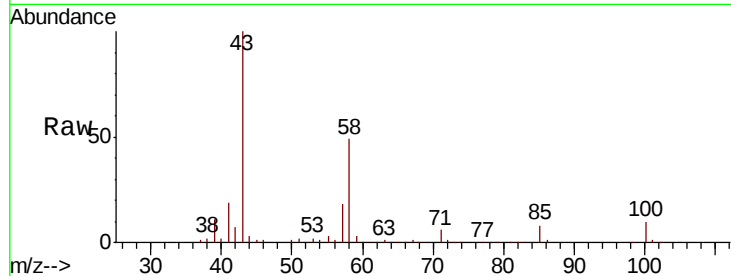




#48
2-Hexanone
Concen: 47.426 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040056.D
Acq: 08 Sep 2020 18:13

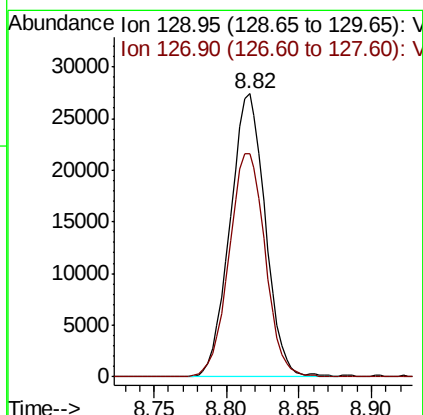
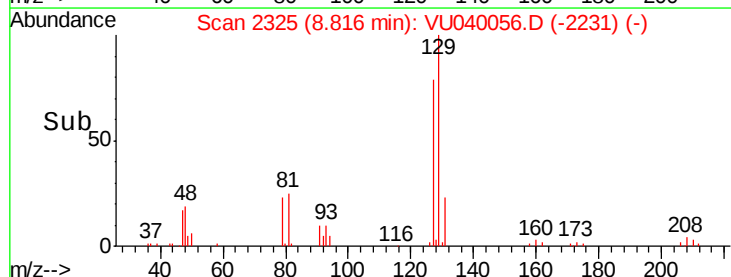
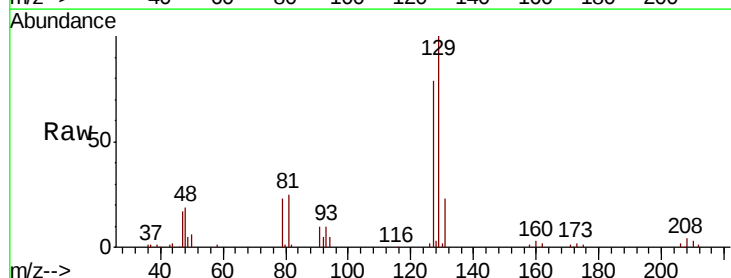
Instrument :
MSVOA_U
ClientSampled :
VSTD00525

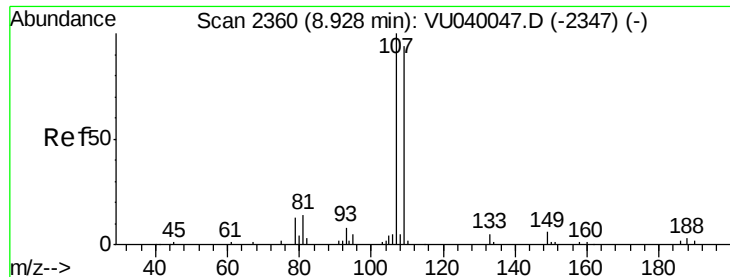
Tot Ion: 43 Resp: 317019
Ion Ratio Lower Upper
43 100
58 50.3 39.6 59.4
57 17.9 14.3 21.5
100 10.6 8.0 12.0



#49
Dibromochloromethane
Concen: 4.737 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040056.D
Acq: 08 Sep 2020 18:13

Tgt Ion: 129 Resp: 46259
Ion Ratio Lower Upper
129 100
127 79.1 53.7 99.7

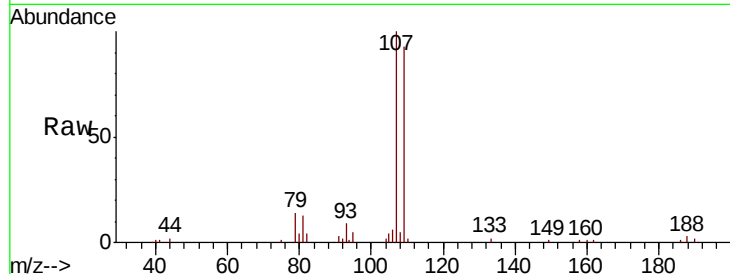




#50
 1,2-Dibromoethane
 Concen: 4.773 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040056.D
 Acq: 08 Sep 2020 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	62.4	115.8
188	2.6	2.3	3.5

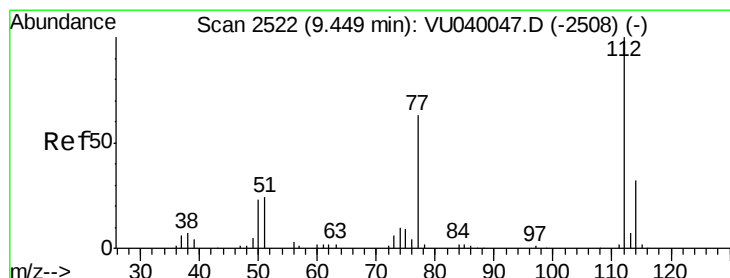
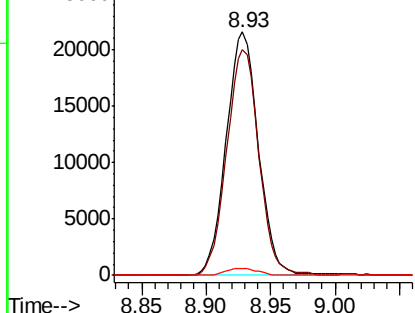
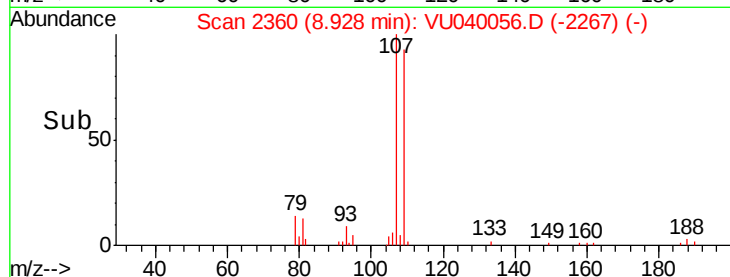


Abundance

Ion 106.95 (106.65 to 107.65): V

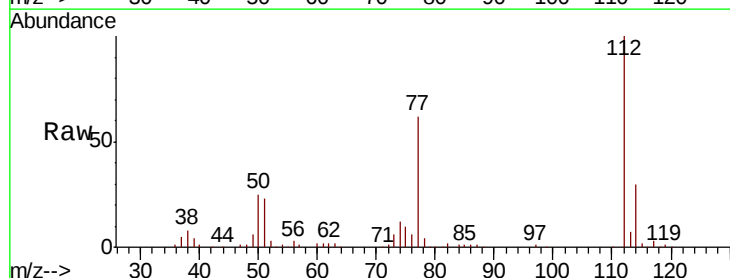
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 4.998 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040056.D
 Acq: 08 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.4	22.7	42.3
77	62.0	53.2	79.8

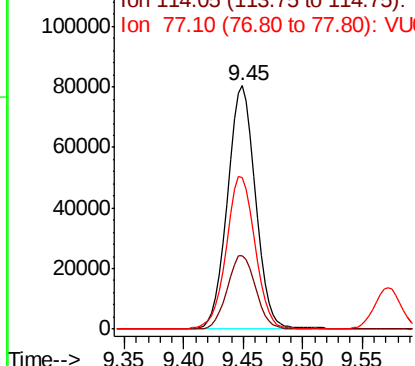
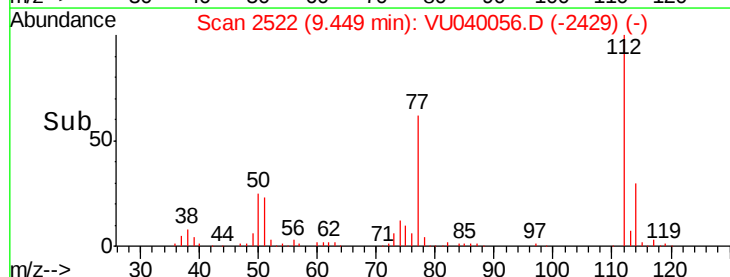


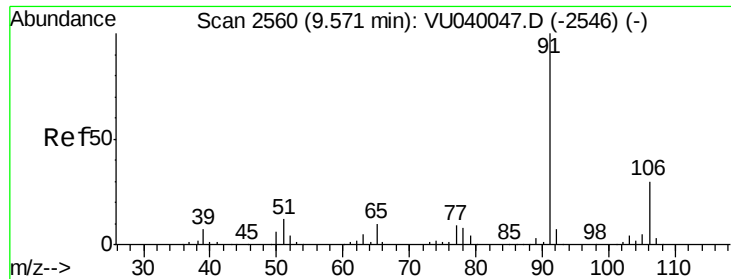
Abundance

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): VU





#52

Ethylbenzene

Concen: 4.878 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

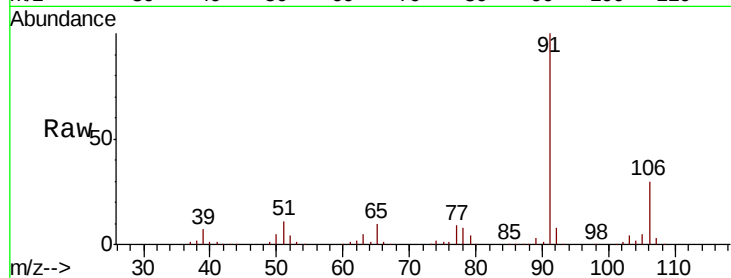
VSTD00525

Tot Ion: 91 Resp: 235455

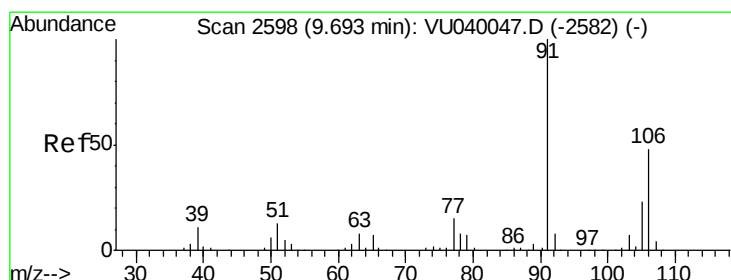
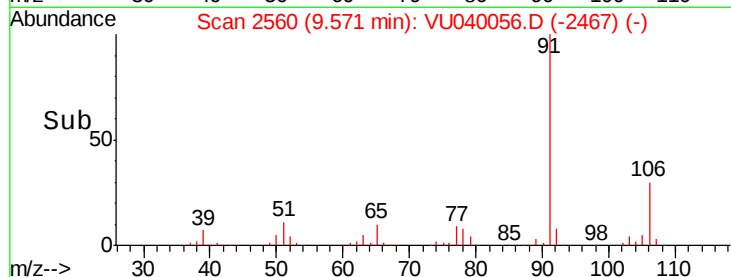
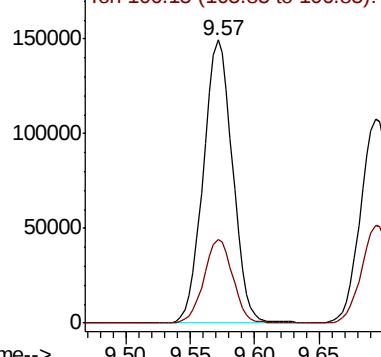
Ion Ratio Lower Upper

91 100

106 29.6 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040047.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.951 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040056.D

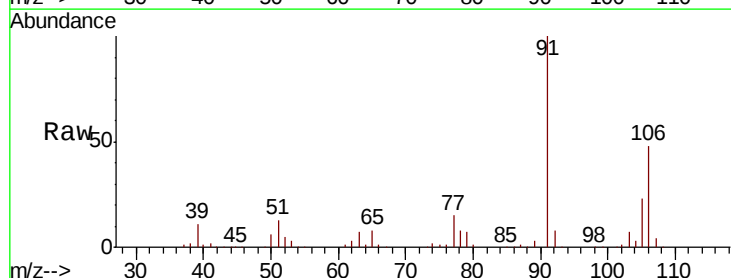
Acq: 08 Sep 2020 18:13

Tgt Ion: 106 Resp: 85076

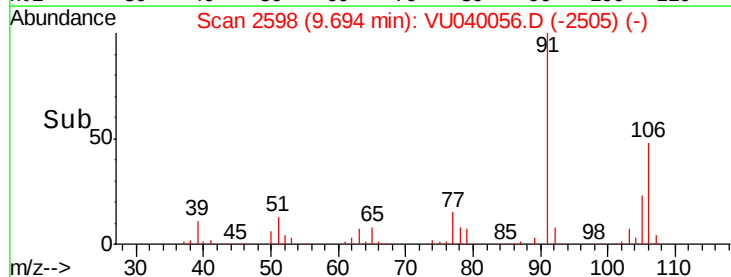
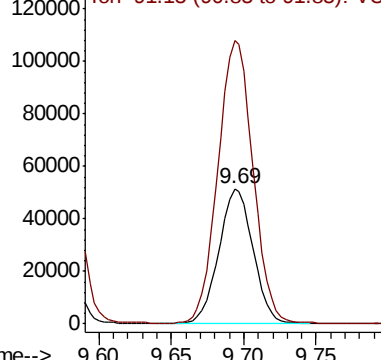
Ion Ratio Lower Upper

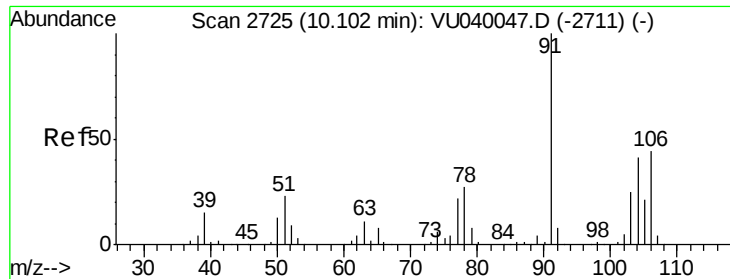
106 100

91 209.6 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040047.D (-2582) (-)

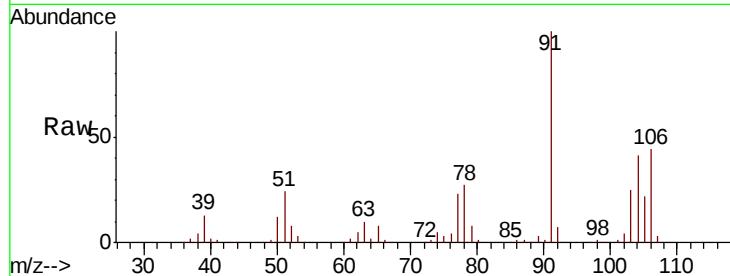




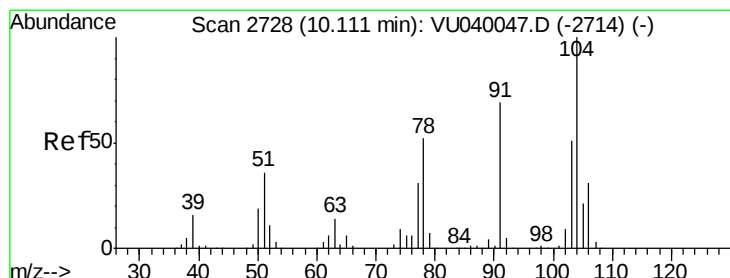
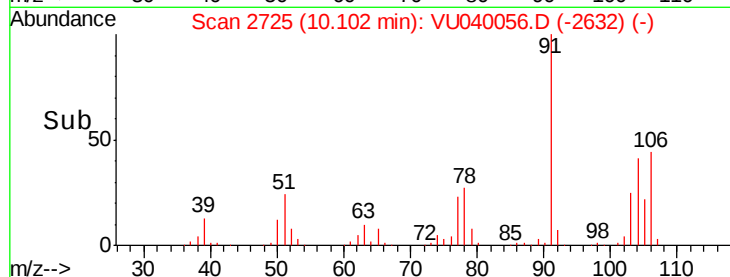
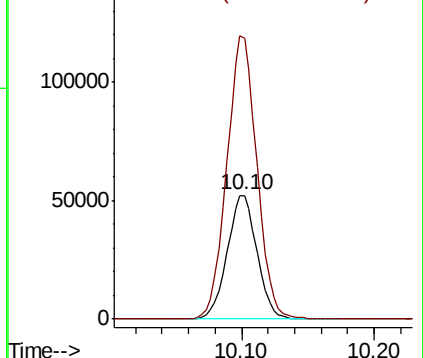
#54
o-Xylene
Concen: 4.982 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040056.D
Acq: 08 Sep 2020 18:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tot Ion:106 Resp: 81586
Ion Ratio Lower Upper
106 100
91 225.9 160.8 298.6

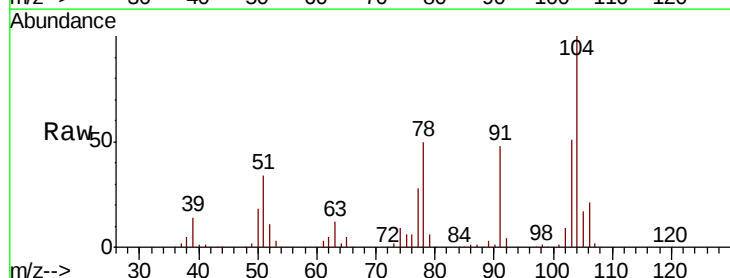


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

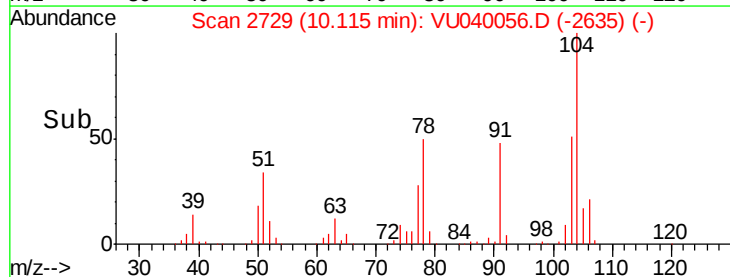
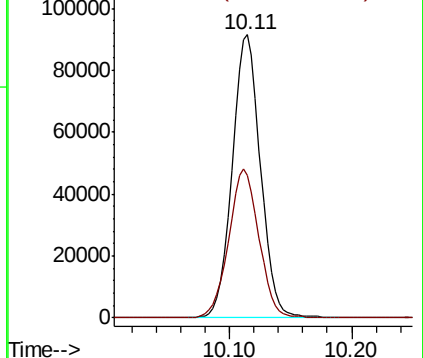


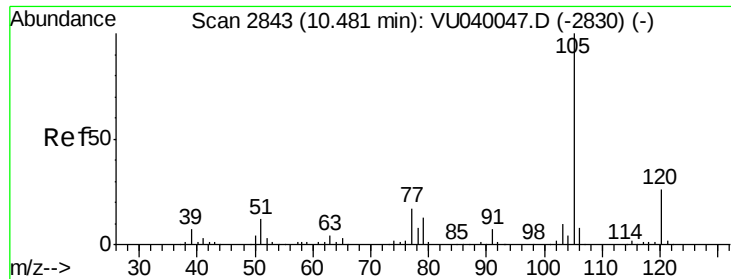
#55
Styrene
Concen: 5.171 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040056.D
Acq: 08 Sep 2020 18:13

Tgt Ion:104 Resp: 147261
Ion Ratio Lower Upper
104 100
78 50.4 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: 5.073 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

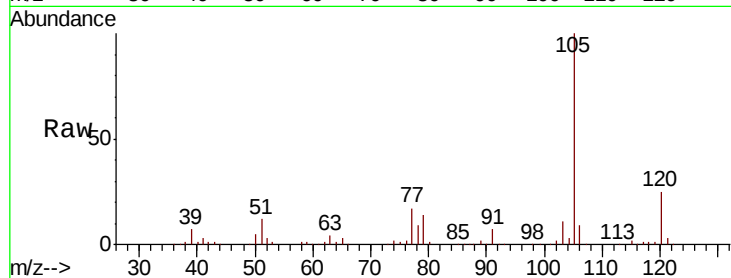
Tot Ion:105 Resp: 226572

Ion Ratio Lower Upper

105 100

120 25.2 20.1 30.1

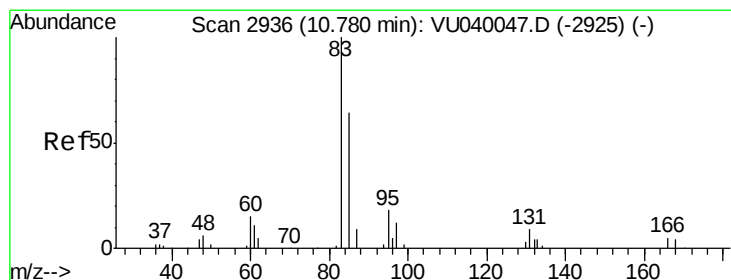
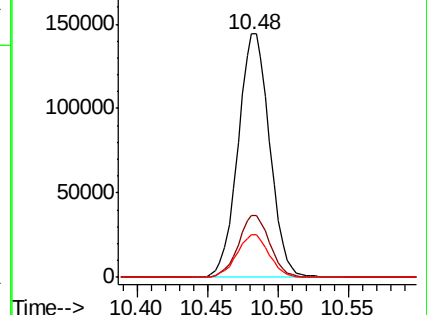
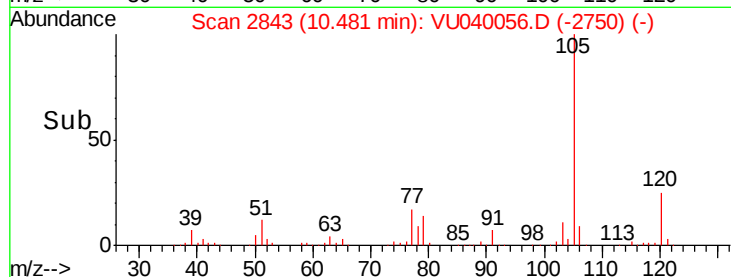
77 17.6 14.4 21.6



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: 4.875 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

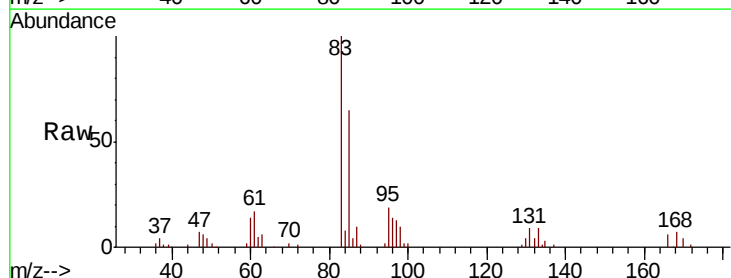
Tgt Ion: 83 Resp: 50864

Ion Ratio Lower Upper

83 100

85 65.4 44.9 83.3

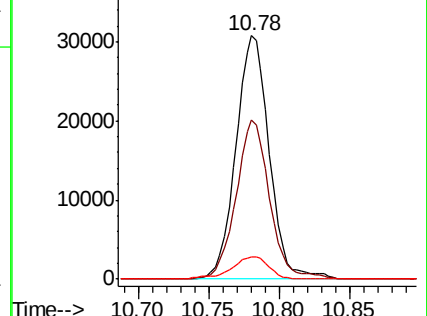
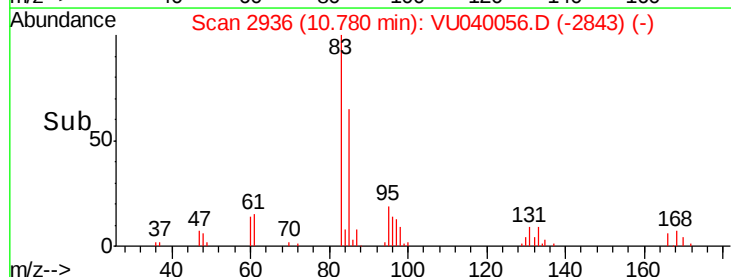
131 8.9 7.4 11.0

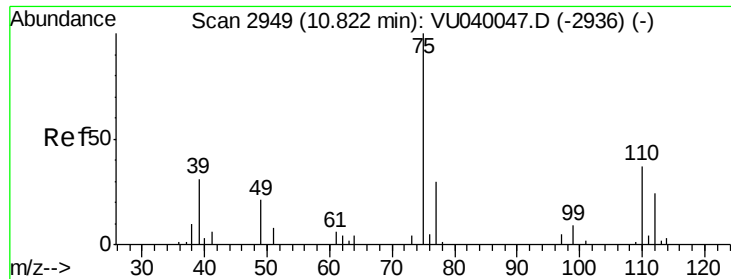


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.898 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

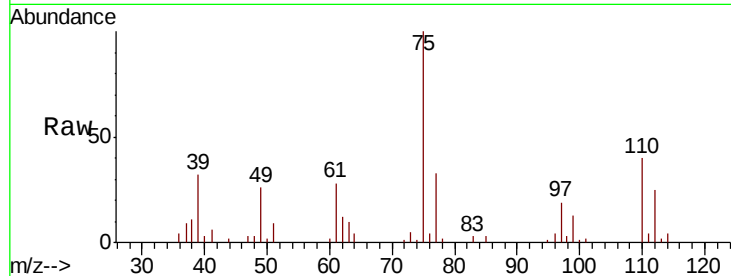
VSTD00525

Tot Ion: 75 Resp: 40533

Ion Ratio Lower Upper

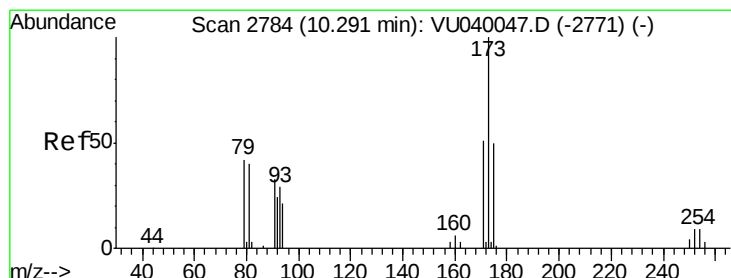
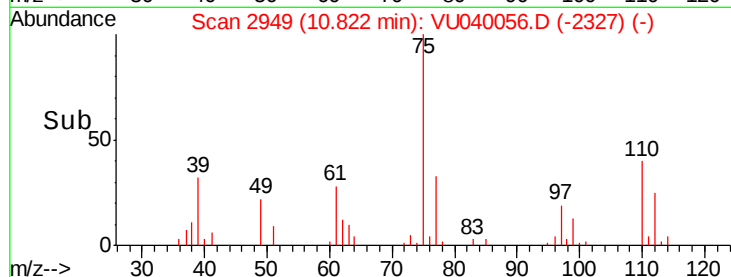
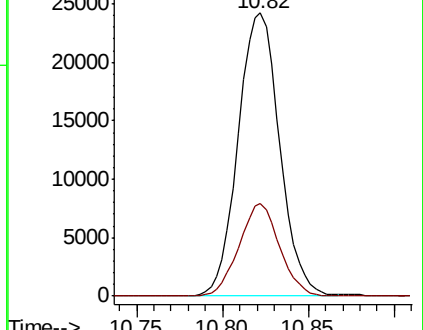
75 100

77 31.9 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU040047.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040047.D (-2936) (-)



#61

Bromoform

Concen: 4.595 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

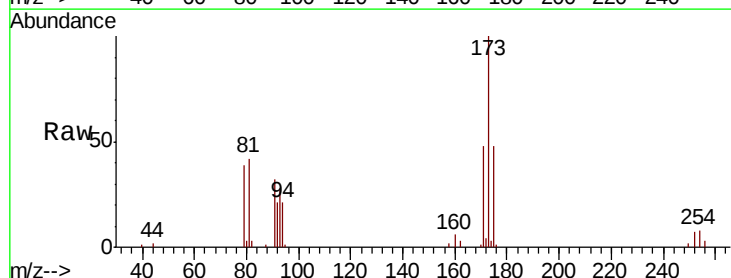
Tgt Ion:173 Resp: 24588

Ion Ratio Lower Upper

173 100

175 45.5 37.8 56.6

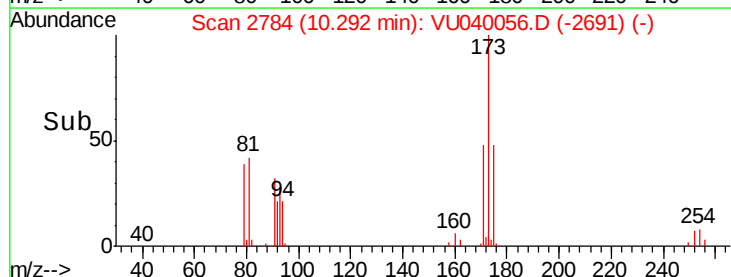
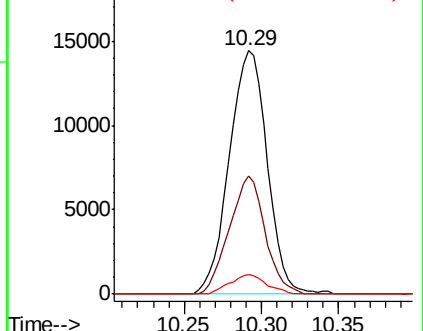
254 7.6 6.8 10.2

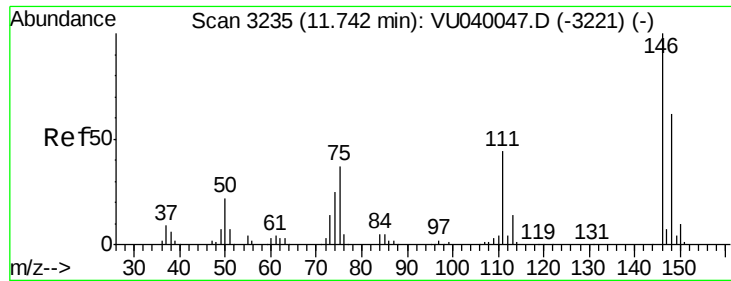


Abundance Ion 172.90 (172.60 to 173.60): VU040047.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040047.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040047.D (-2771) (-)

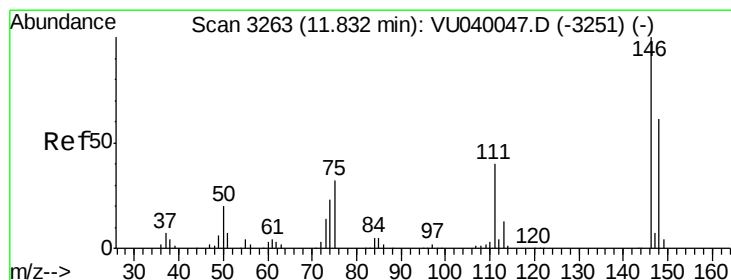
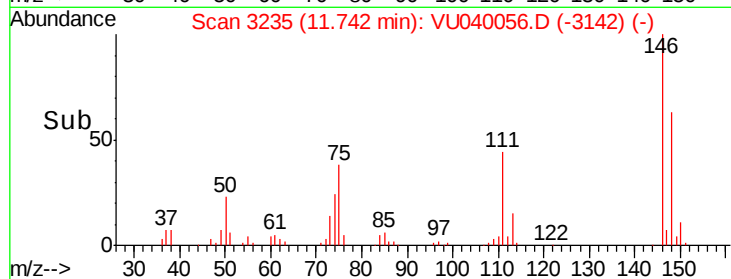
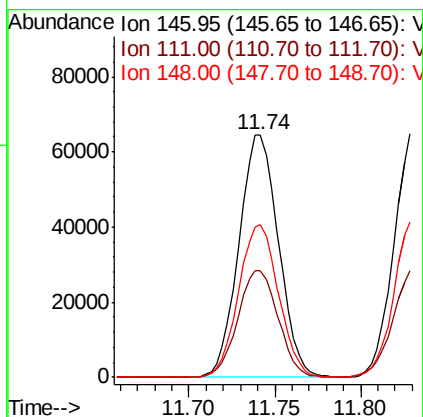
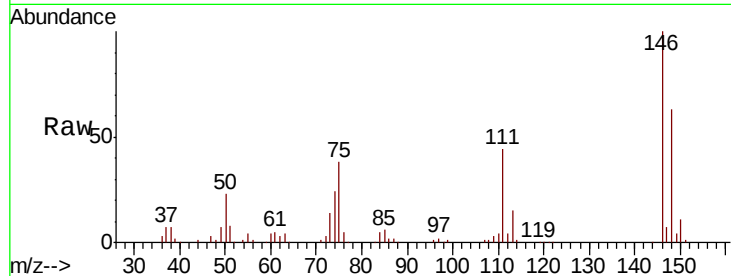




#62
 1,3-Dichlorobenzene
 Concen: 4.832 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040056.D
 Acq: 08 Sep 2020 18:13

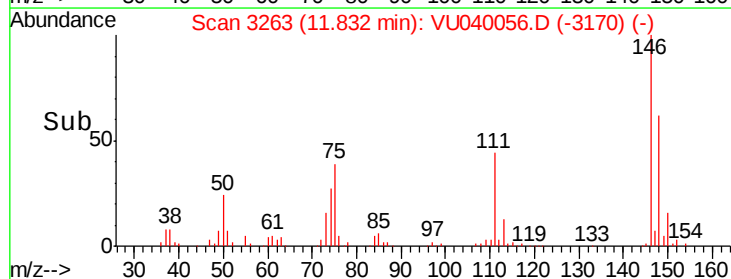
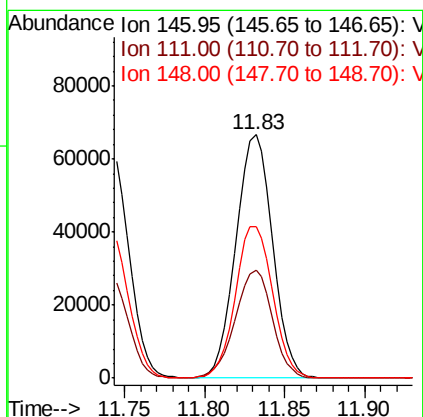
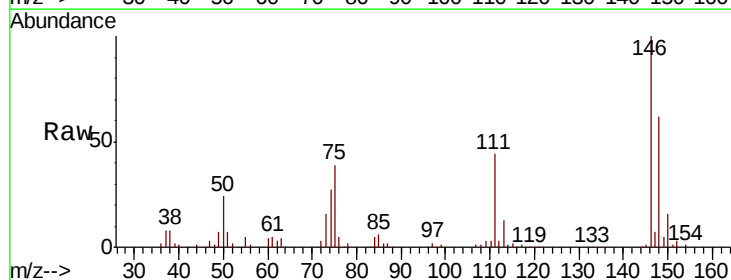
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

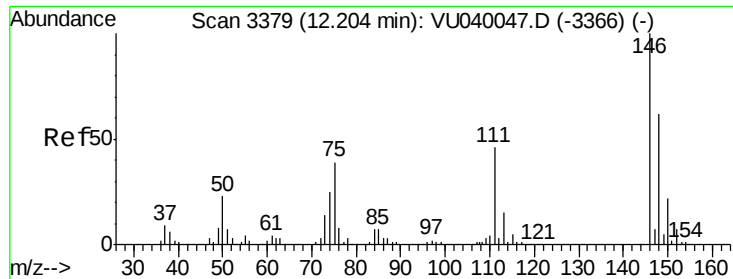
Tot Ion:146 Resp: 103043
 Ion Ratio Lower Upper
 146 100
 111 43.9 31.6 58.8
 148 62.8 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 4.809 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040056.D
 Acq: 08 Sep 2020 18:13

Tgt Ion:146 Resp: 103763
 Ion Ratio Lower Upper
 146 100
 111 44.1 30.5 56.7
 148 62.1 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 4.795 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

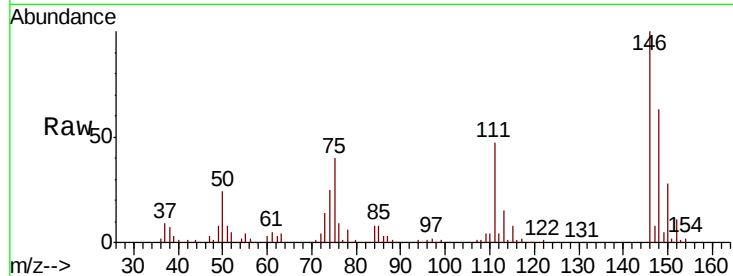
Tot Ion:146 Resp: 98947

Ion Ratio Lower Upper

146 100

111 47.0 36.5 54.7

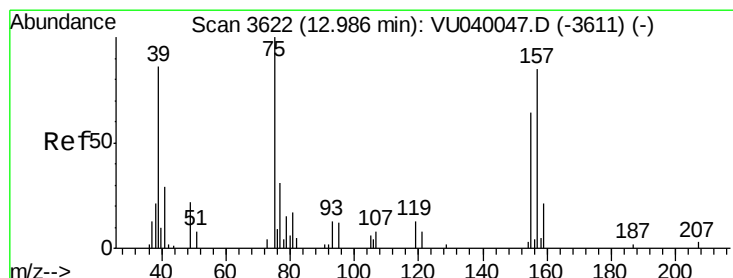
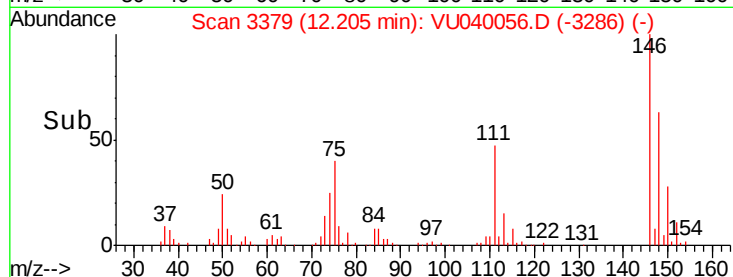
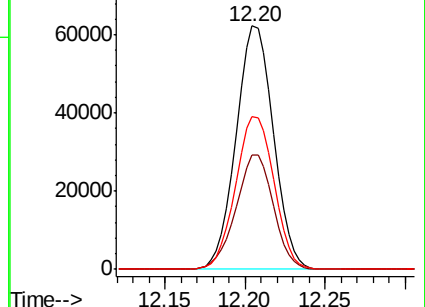
148 63.0 48.6 72.8



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: 4.137 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

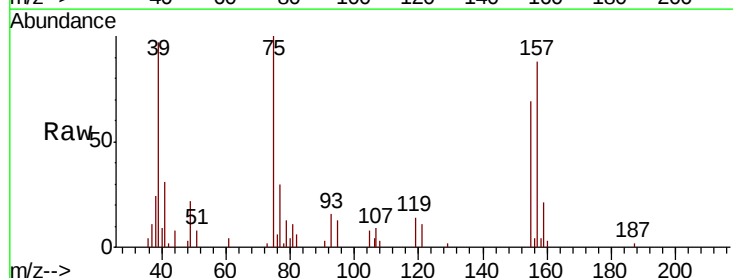
Tgt Ion: 75 Resp: 9129

Ion Ratio Lower Upper

75 100

155 68.6 54.6 82.0

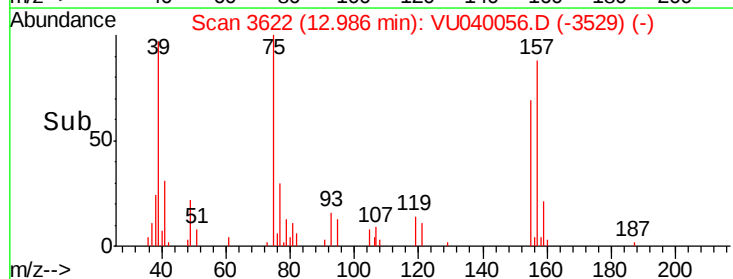
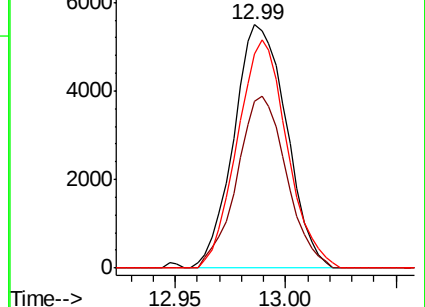
157 88.2 75.6 113.4

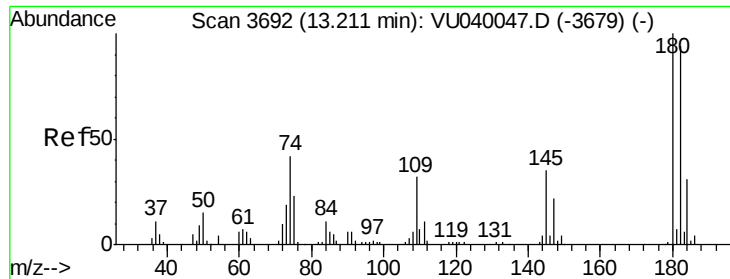


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

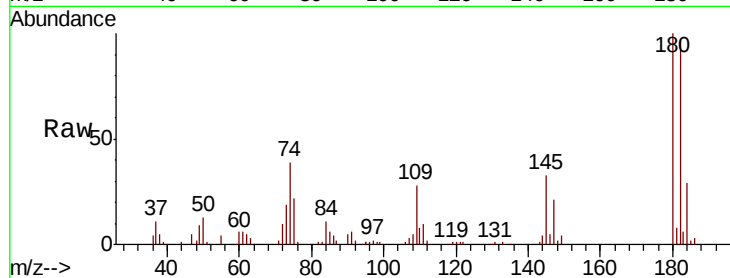




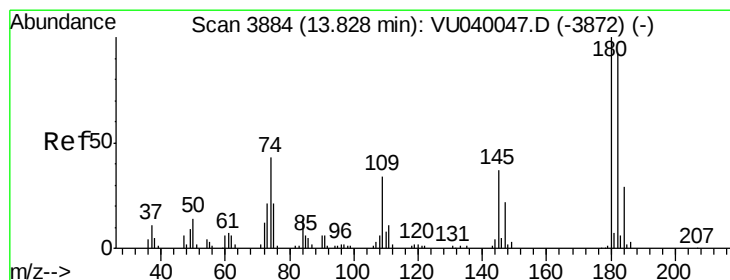
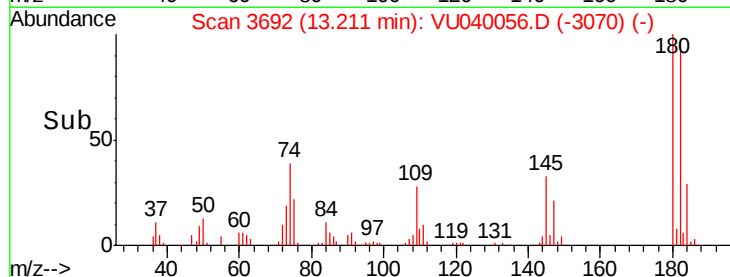
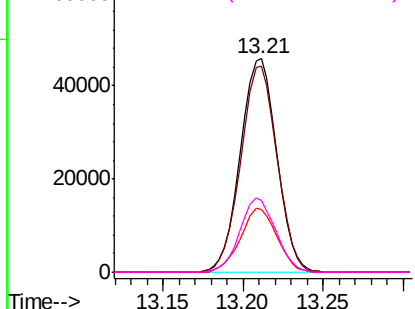
#67
 1,3,5-Trichlorobenzene
 Concen: 4.739 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040056.D
 Acq: 08 Sep 2020 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion:180 Resp: 71053
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.9 115.3
 184 29.8 24.6 36.8
 145 34.1 27.0 40.6

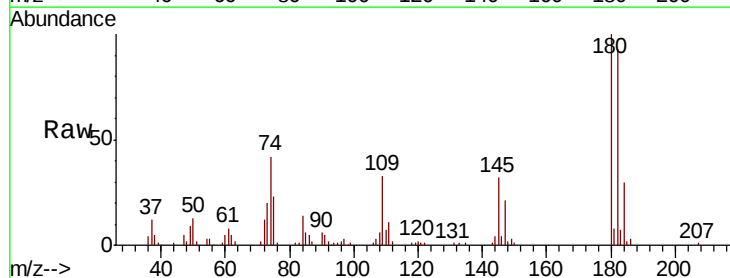


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

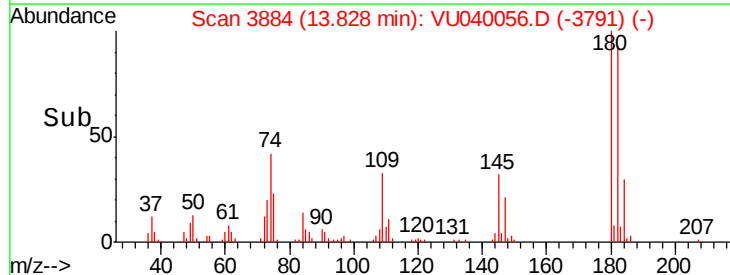
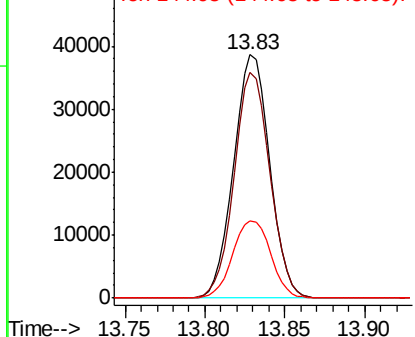


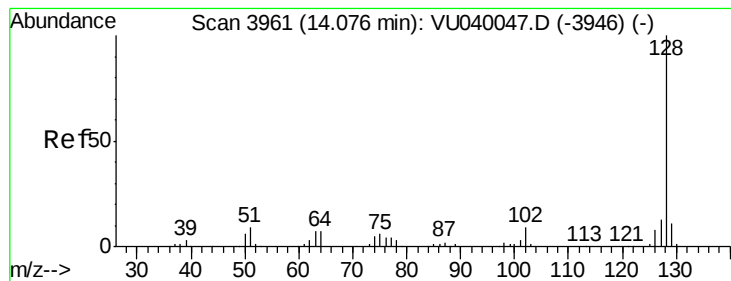
#68
 1,2,4-trichlorobenzene
 Concen: 4.585 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040056.D
 Acq: 08 Sep 2020 18:13

Tgt Ion:180 Resp: 59222
 Ion Ratio Lower Upper
 180 100
 182 92.0 76.0 114.0
 145 33.3 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: 4.007 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

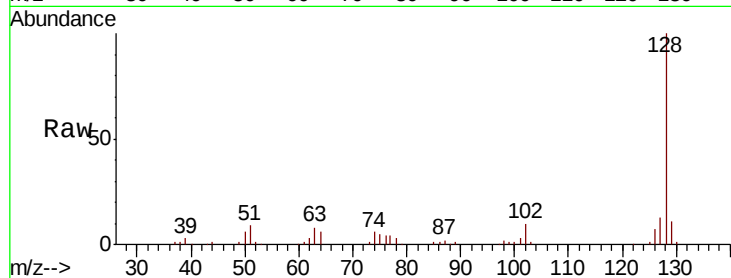
Tot Ion:128 Resp: 107871

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

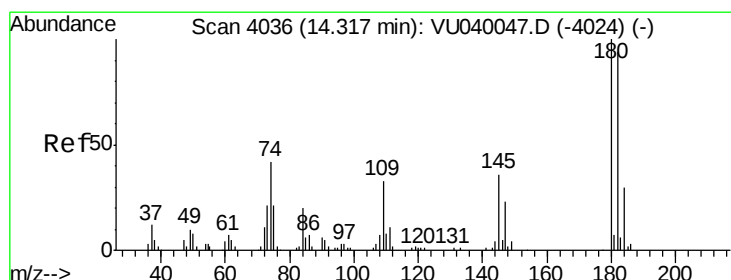
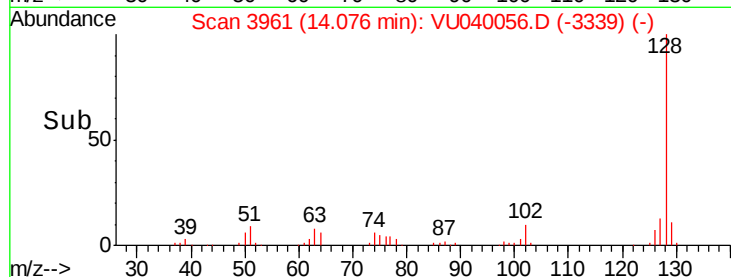
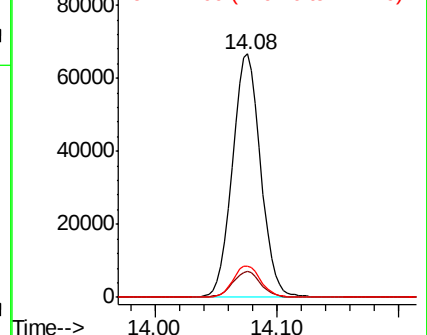
127 12.8 10.7 16.1



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: 4.512 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040056.D

Acq: 08 Sep 2020 18:13

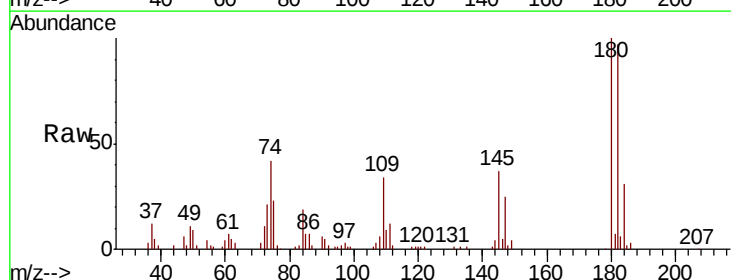
Tgt Ion:180 Resp: 53530

Ion Ratio Lower Upper

180 100

182 96.5 77.8 116.6

145 36.2 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

