

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090820\
 Data File : VU040047.D
 Acq On : 08 Sep 2020 10:43
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: Sep 09 01:34:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 07 02:10:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	121154	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118427	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61413	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27322	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.92	69	23293	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.58	63	74844	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.20%
20) 2-Butanone-d5	4.65	46	138811	52.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.92%
24) Chloroform-d	5.08	84	72479	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.72	65	42312	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
32) Benzene-d6	5.74	84	127901	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.70	67	42573	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.90	98	116342	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	8.19	79	18945	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.64	63	104081	52.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	40775	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	45979	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	57549	4.786	ug/L	98
3) Chloromethane	1.53	50	57042	4.955	ug/L	99
5) Vinyl chloride	1.61	62	54854	4.700	ug/L	96
6) Bromomethane	1.87	94	30140	5.053	ug/L	98
8) Chloroethane	1.94	64	32368	4.615	ug/L	98
9) Trichlorofluoromethane	2.15	101	83009	4.965	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	53283	4.917	ug/L	96
12) 1,1-Dichloroethene	2.59	96	45255	4.827	ug/L	96
13) Acetone	2.65	43	124592	50.869	ug/L	98
14) Carbon disulfide	2.81	76	136503	4.540	ug/L	99
15) Methyl Acetate	2.96	43	28682	4.666	ug/L	98
16) Methylene chloride	3.06	84	60190	4.902	ug/L	94
17) Methyl tert-butyl Ether	3.38	73	134690	4.766	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	47876	4.747	ug/L	98
19) 1,1-Dichloroethane	3.89	63	97427	4.693	ug/L	99
21) 2-Butanone	4.72	43	200975	50.260	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	54225	5.000	ug/L	100

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD00524

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 Quant Title : TRACE VOA SOM01.0
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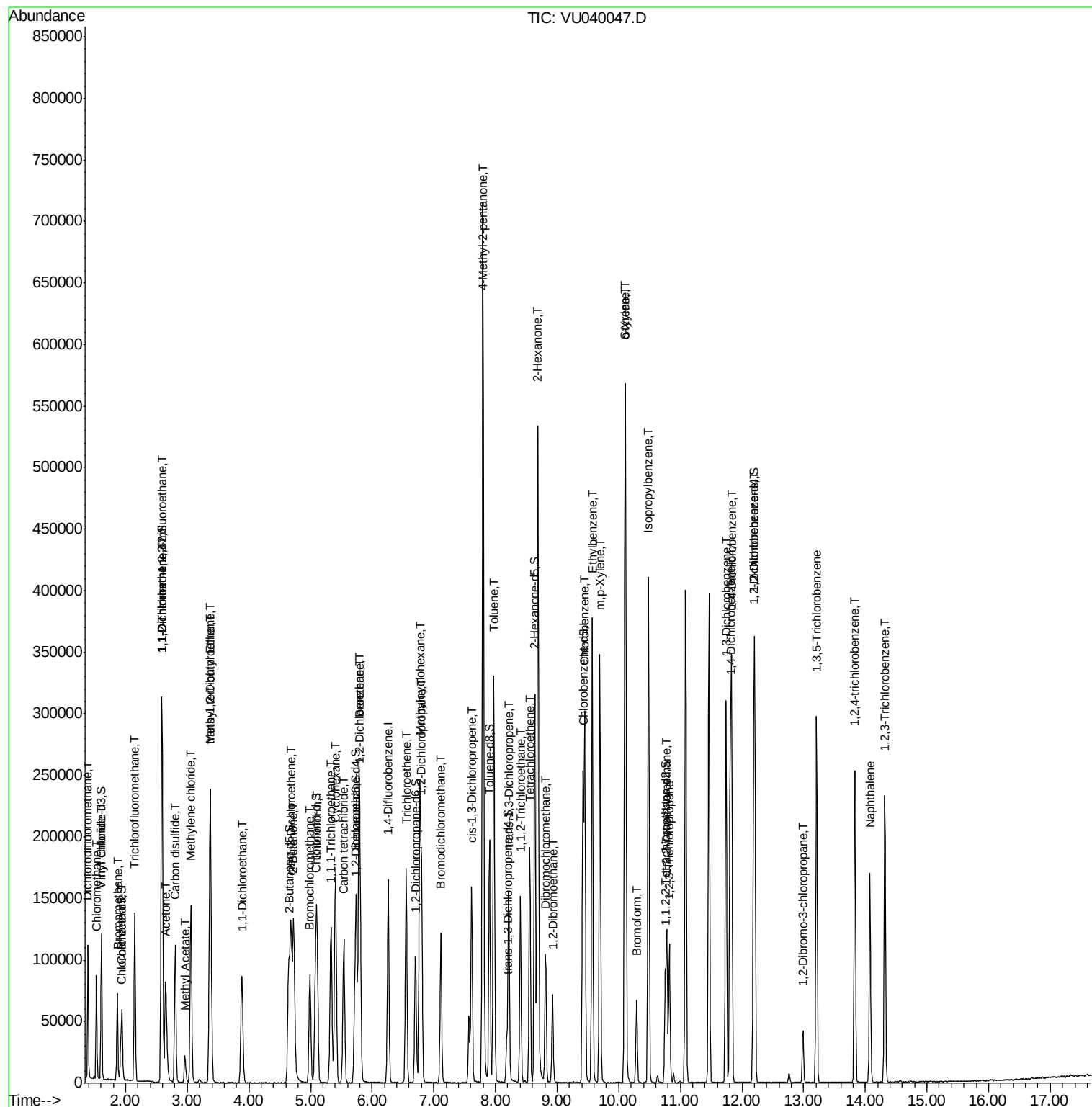
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	24426	5.140	ug/L	95
25) Chloroform	5.11	83	103162	4.852	ug/L	98
27) 1,2-Dichloroethane	5.81	62	73661	4.729	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	89271	4.801	ug/L	99
30) Cyclohexane	5.40	56	84352	4.678	ug/L	99
31) Carbon tetrachloride	5.54	117	75546	4.747	ug/L	99
33) Benzene	5.79	78	201310	4.752	ug/L	100
34) Trichloroethene	6.55	95	55518	4.885	ug/L	96
35) Methylcyclohexane	6.77	83	81691	4.694	ug/L	96
37) 1,2-Dichloropropane	6.80	63	55680	4.854	ug/L	100
38) Bromodichloromethane	7.11	83	75534	4.823	ug/L	97
39) cis-1,3-Dichloropropene	7.61	75	84264	4.981	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	469717	49.904	ug/L	99
42) Toluene	7.97	91	216948	4.972	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	76339	4.870	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	42114	5.039	ug/L	99
47) Tetrachloroethene	8.56	164	37041	4.962	ug/L	98
48) 2-Hexanone	8.69	43	350419	51.038	ug/L	99
49) Dibromochloromethane	8.81	129	49996	4.984	ug/L	97
50) 1,2-Dibromoethane	8.93	107	41031	5.092	ug/L	95
51) Chlorobenzene	9.45	112	141091	5.209	ug/L	97
52) Ethylbenzene	9.57	91	246519	4.973	ug/L	100
53) m,p-Xylene	9.69	106	91059	5.159	ug/L	95
54) o-Xylene	10.10	106	87475	5.201	ug/L	100
55) Styrene	10.11	104	156269	5.343	ug/L	99
56) Isopropylbenzene	10.48	105	242556	5.288	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	54486	5.085	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	43727	5.145	ug/L	100
61) Bromoform	10.29	173	25719	4.566	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	114021	5.080	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	114213	5.028	ug/L	95
65) 1,2-Dichlorobenzene	12.20	146	108228	4.983	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	10499	4.520	ug/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	75880	4.808	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	63822	4.695	ug/L	99
69) Naphthalene	14.08	128	123191	4.347	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	59244	4.744	ug/L	96

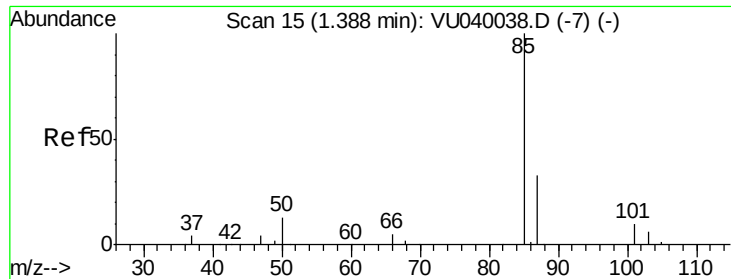
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU040047.D
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Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

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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: VU040047.D

Acq: 08 Sep 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

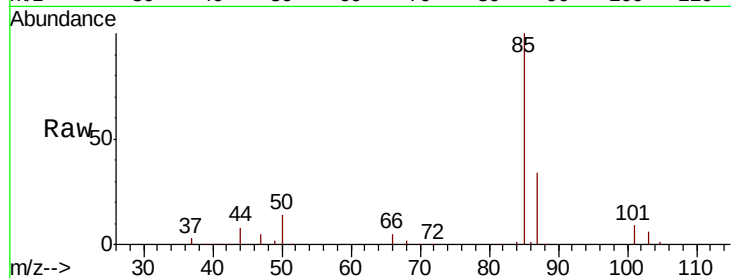
VSTD00524

Tot Ion: 85 Resp: 57549

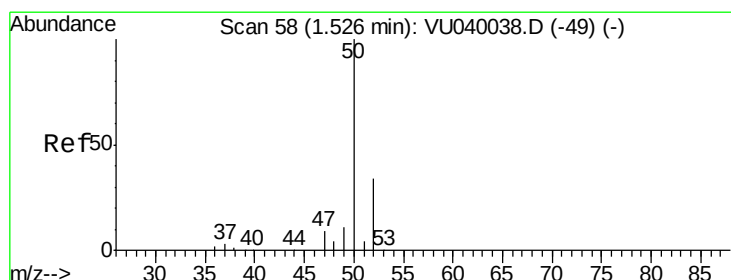
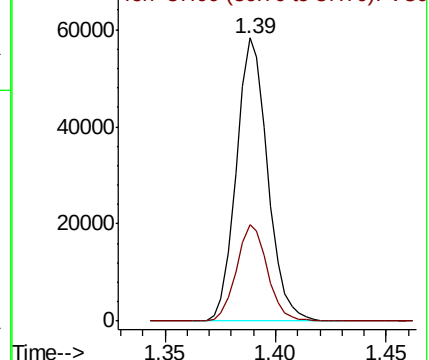
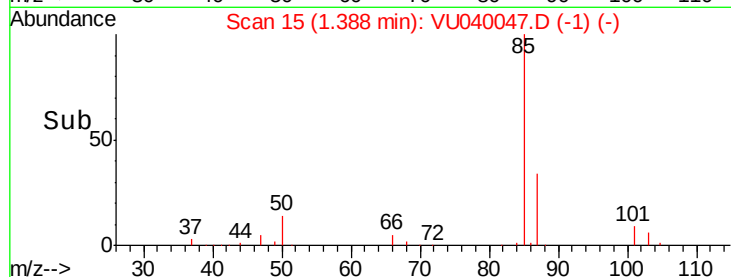
Ion Ratio Lower Upper

85 100

87 33.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040047.D (-1) (-)



#3

Chloromethane

Concen: 4.955 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040047.D

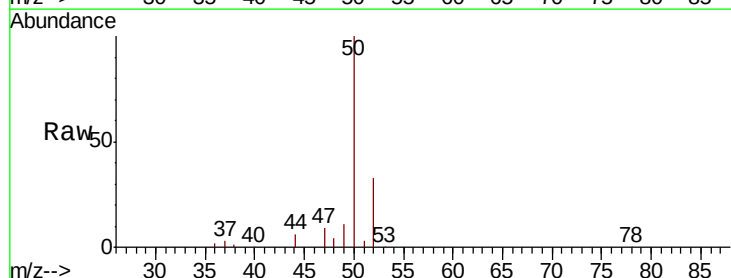
Acq: 08 Sep 2020 10:43

Tgt Ion: 50 Resp: 57042

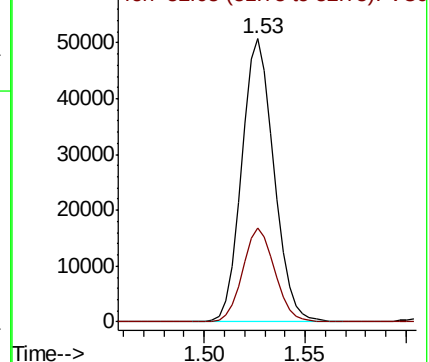
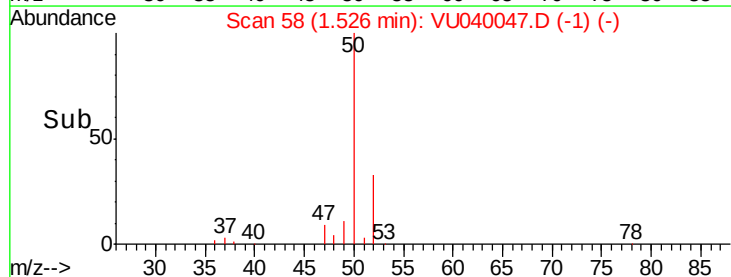
Ion Ratio Lower Upper

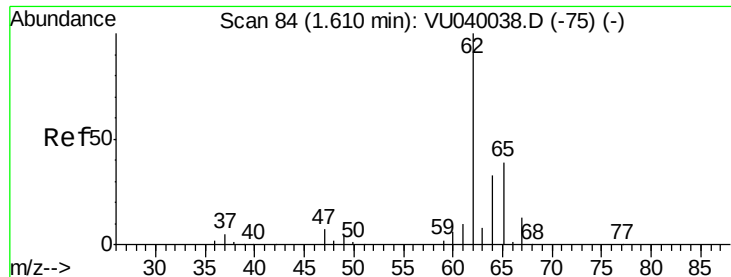
50 100

52 33.2 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040047.D (-1) (-)





#5

Vinyl chloride

Concen: 4.700 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

Instrument :

MSVOA_U

ClientSampleID :

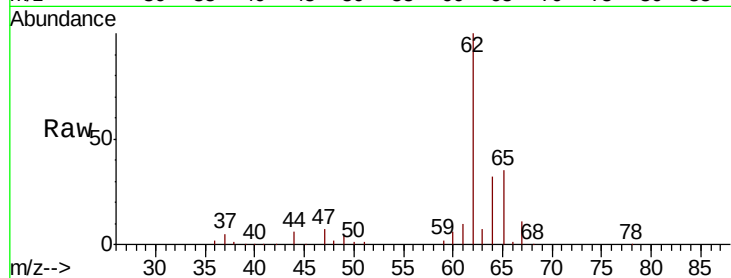
VSTD00524

Tot Ion: 62 Resp: 54854

Ion Ratio Lower Upper

62 100

64 32.0 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU040038.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040047.D (-1) (-)

1.61

50000

40000

30000

20000

10000

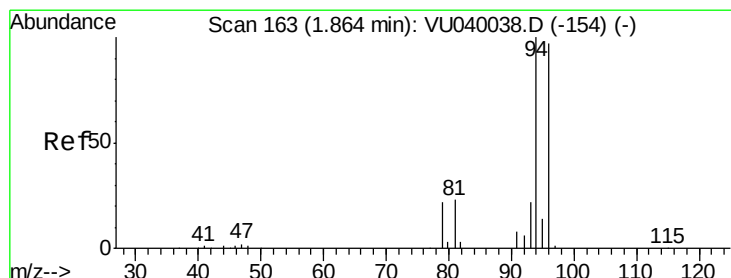
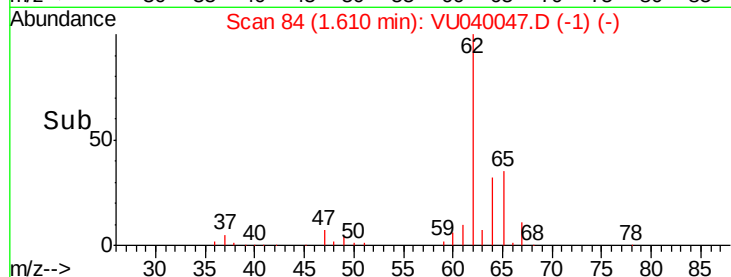
0

1.55

1.60

1.65

Time-->



#6

Bromomethane

Concen: 5.053 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040047.D

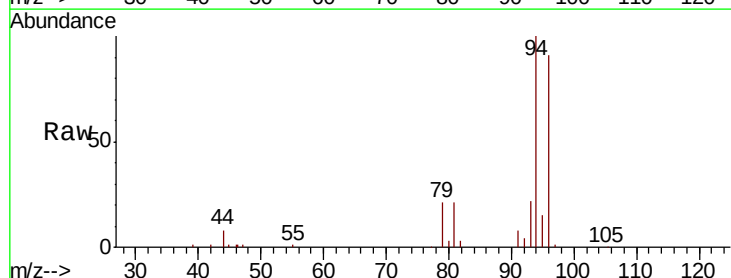
Acq: 08 Sep 2020 10:43

Tgt Ion: 94 Resp: 30140

Ion Ratio Lower Upper

94 100

96 91.2 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU040038.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040047.D (-70) (-)

1.87

25000

20000

15000

10000

5000

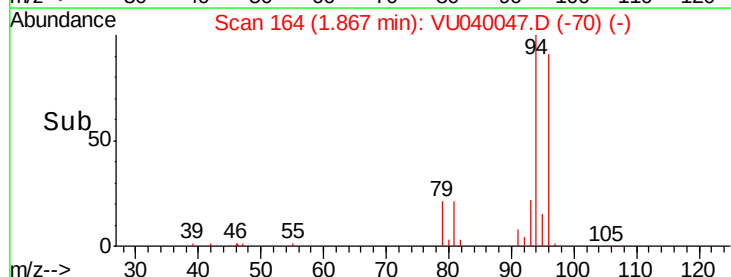
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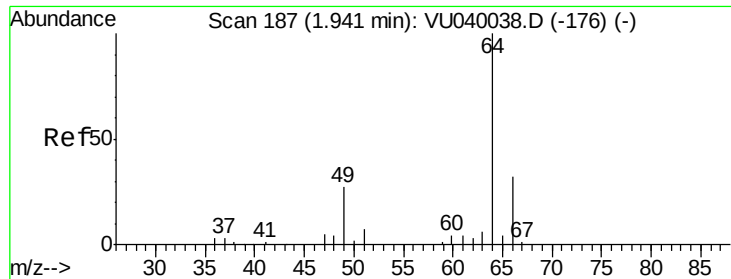
1.80

1.85

1.90

Time-->

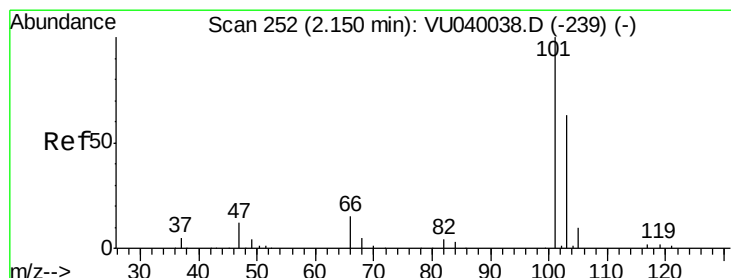
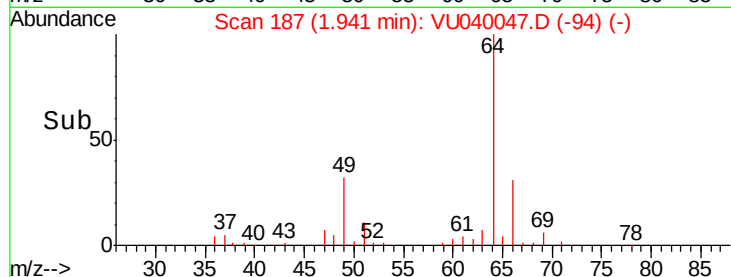
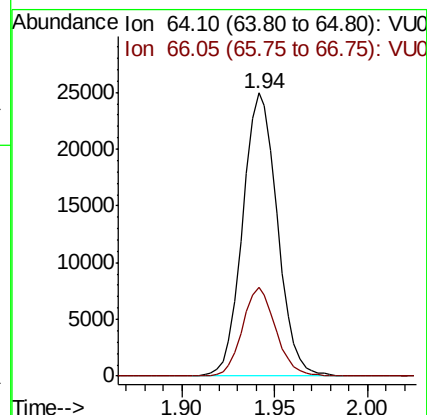
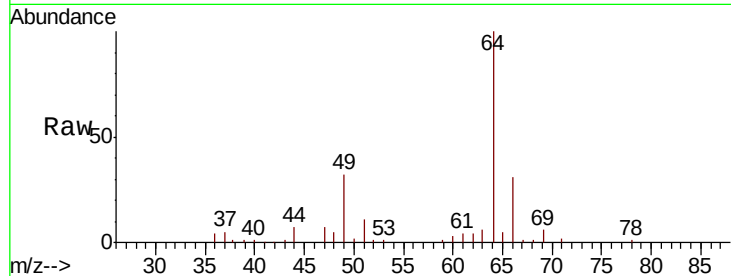




#8
Chloroethane
Concen: 4.615 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU040047.D
Acq: 08 Sep 2020 10:43

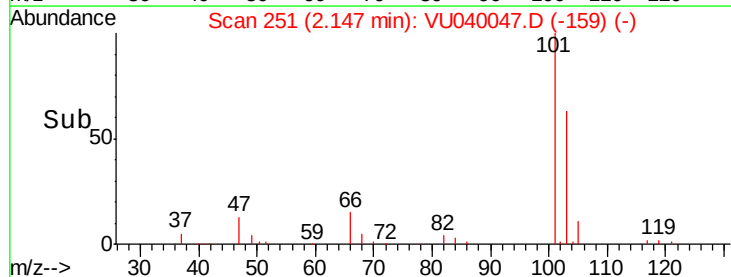
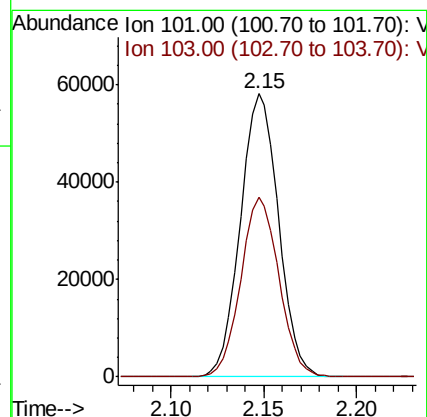
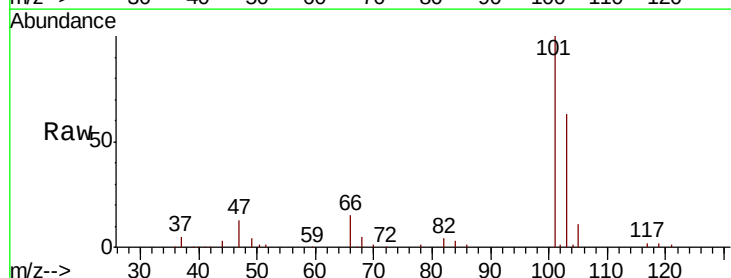
Instrument :
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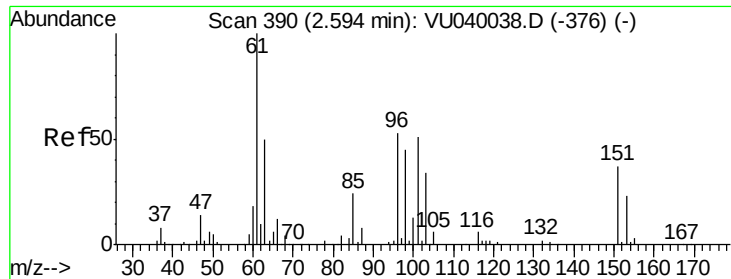
Tot Ion: 64 Resp: 32368
Ion Ratio Lower Upper
64 100
66 31.2 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.965 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040047.D
Acq: 08 Sep 2020 10:43

Tgt Ion:101 Resp: 83009
Ion Ratio Lower Upper
101 100
103 63.4 51.3 76.9





#10

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

Concen: 4.917 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

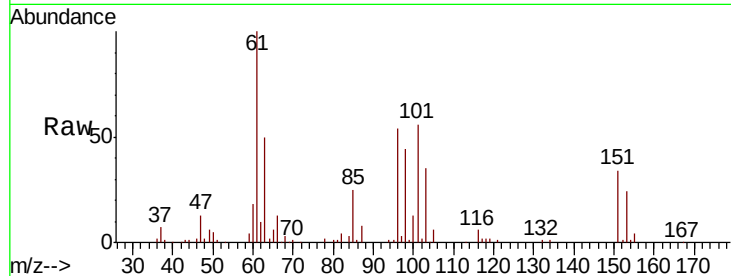
Tot Ion:101 Resp: 53283

Ion Ratio Lower Upper

101 100

85 45.1 37.7 56.5

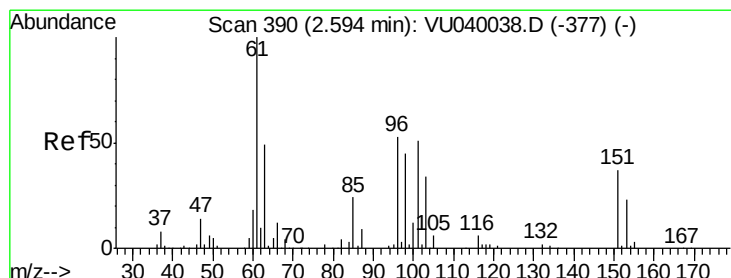
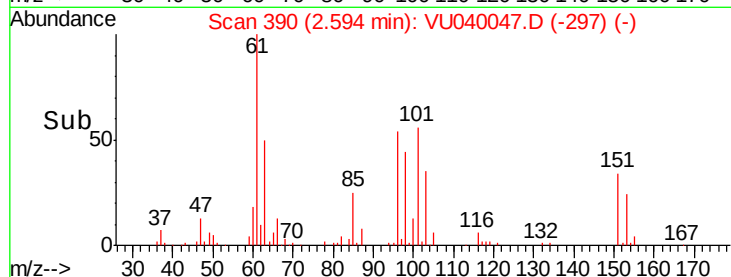
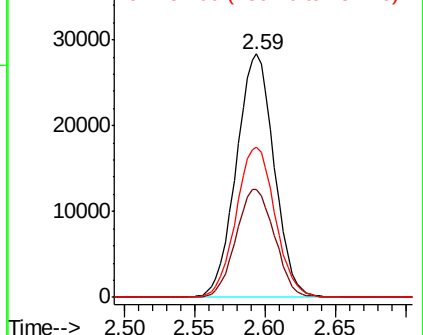
151 63.5 53.9 80.9



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: 4.827 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

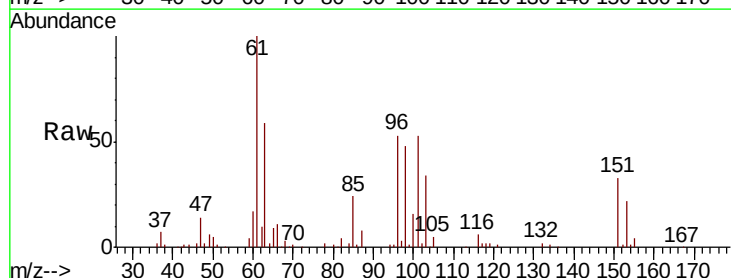
Tgt Ion: 96 Resp: 45255

Ion Ratio Lower Upper

96 100

61 188.6 138.3 256.8

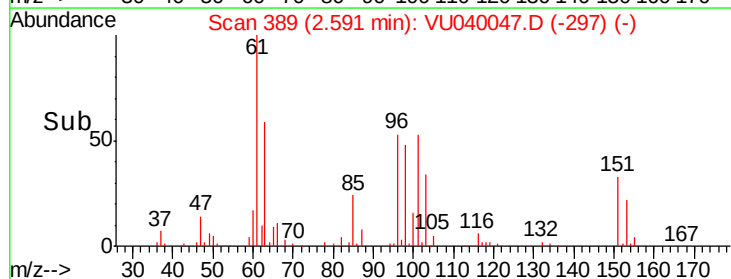
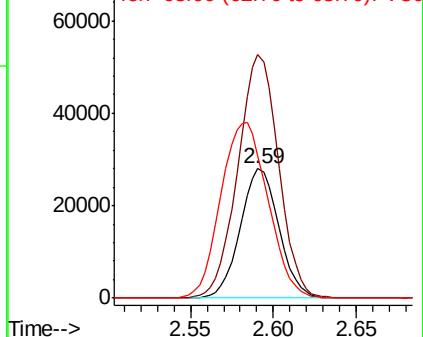
63 110.5 77.6 144.2

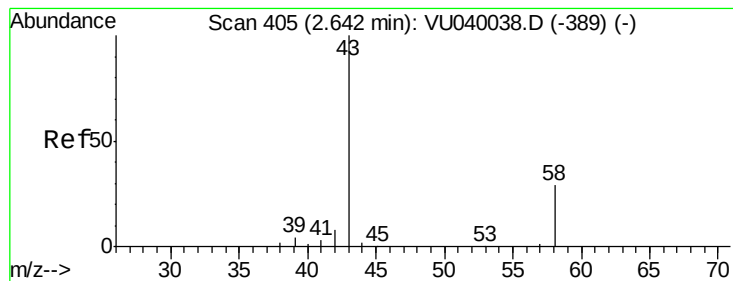


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.869 ug/L

RT: 2.65 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

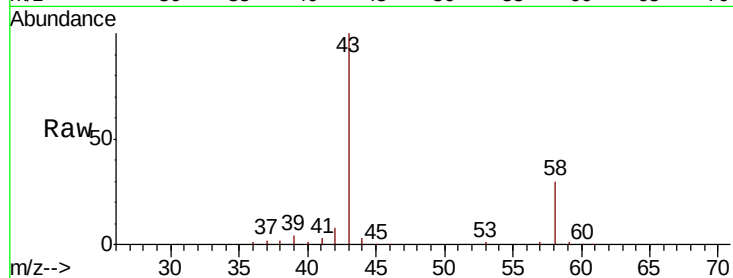
VSTD00524

Tot Ion: 43 Resp: 124592

Ion Ratio Lower Upper

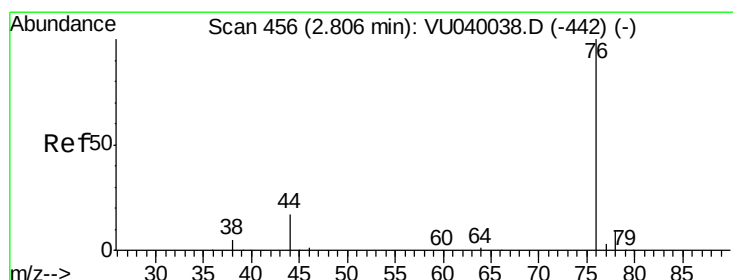
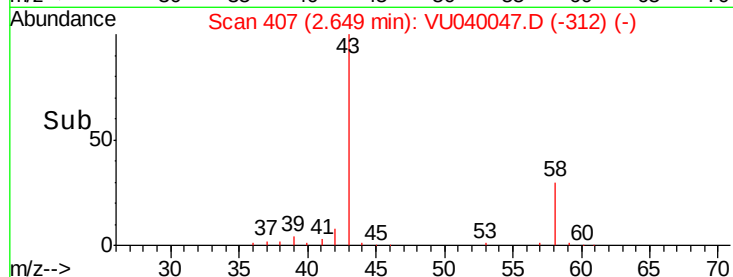
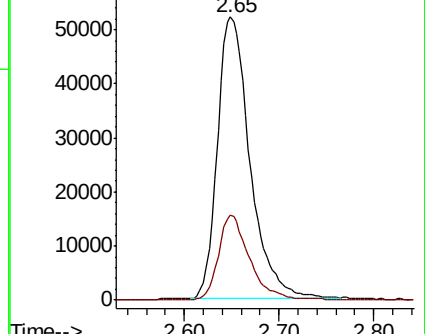
43 100

58 29.0 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.540 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040047.D

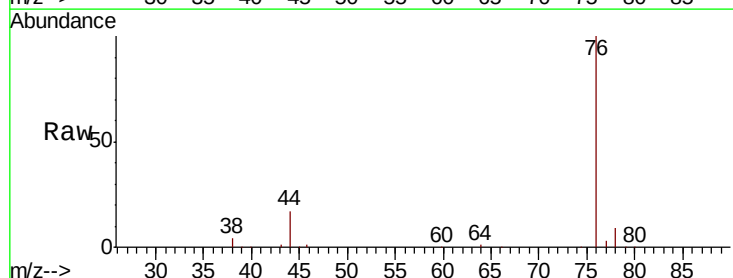
Acq: 08 Sep 2020 10:43

Tgt Ion: 76 Resp: 136503

Ion Ratio Lower Upper

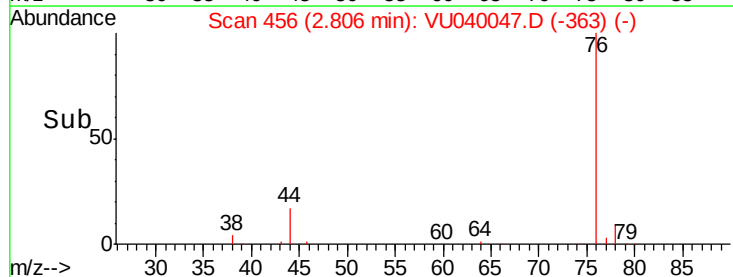
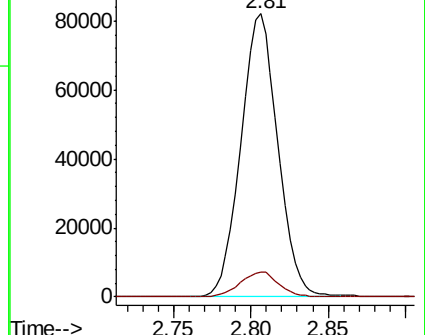
76 100

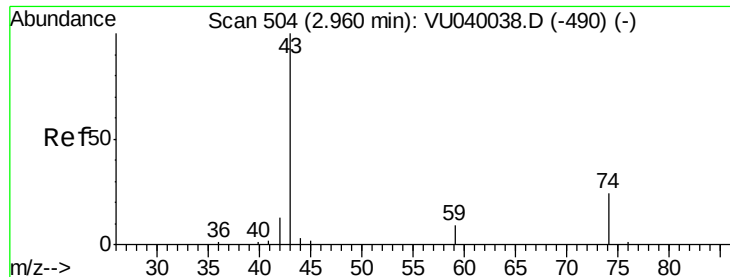
78 8.8 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

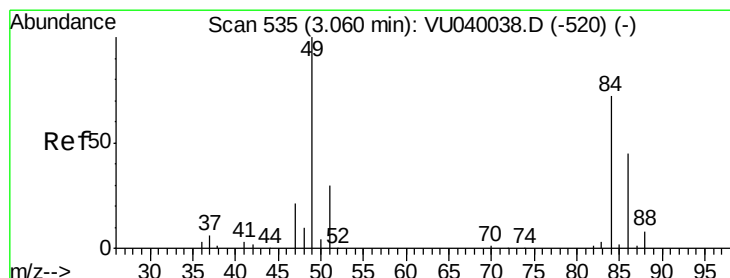
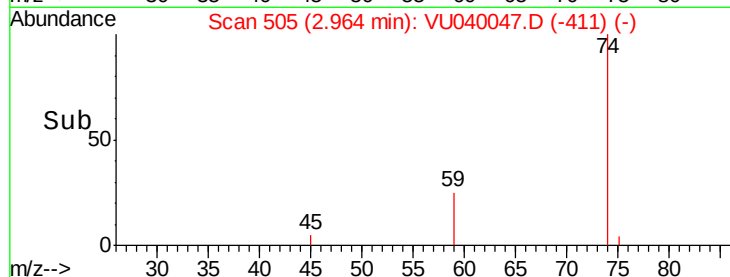
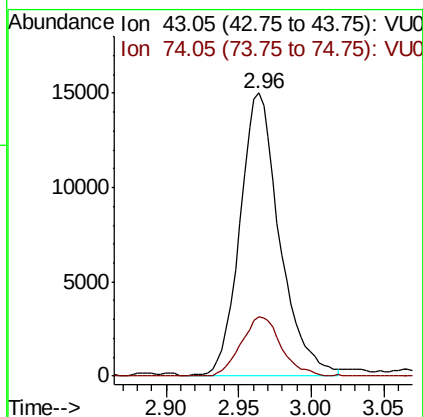
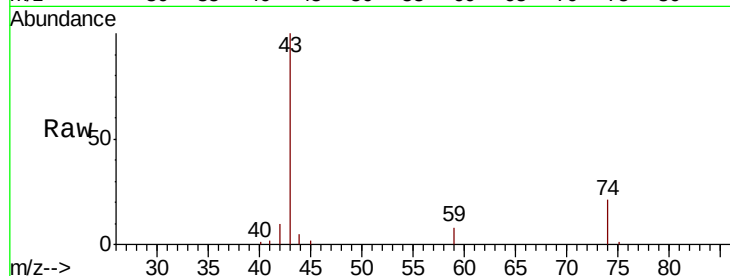




#15
Methyl Acetate
Concen: 4.666 ug/L
RT: 2.96 min Scan# 505
Delta R.T. 0.00 min
Lab File: VU040047.D
Acq: 08 Sep 2020 10:43

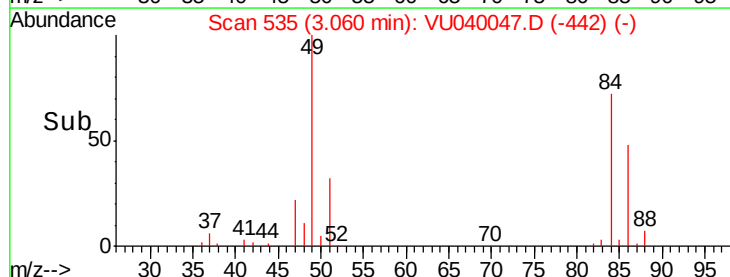
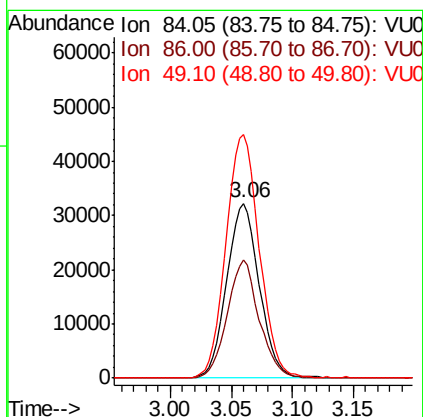
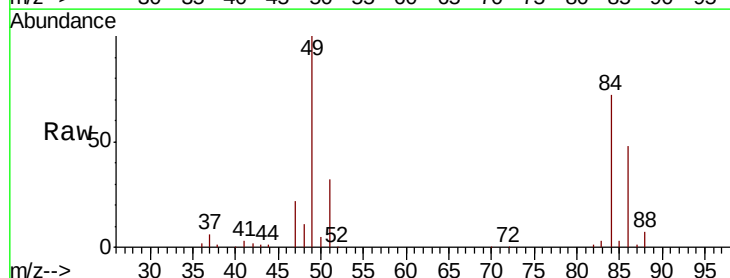
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

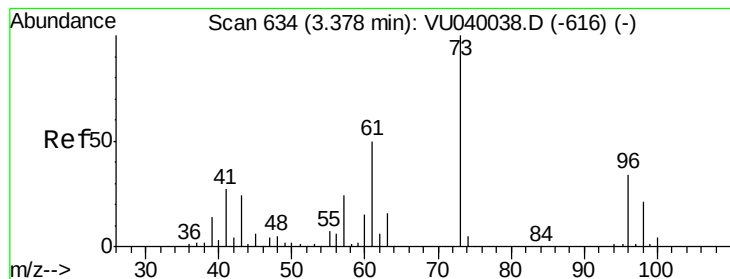
Tot Ion: 43 Resp: 28682
Ion Ratio Lower Upper
43 100
74 20.9 17.4 26.0



#16
Methylene chloride
Concen: 4.902 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040047.D
Acq: 08 Sep 2020 10:43

Tgt Ion: 84 Resp: 60190
Ion Ratio Lower Upper
84 100
86 67.3 45.2 84.0
49 139.2 104.0 193.2



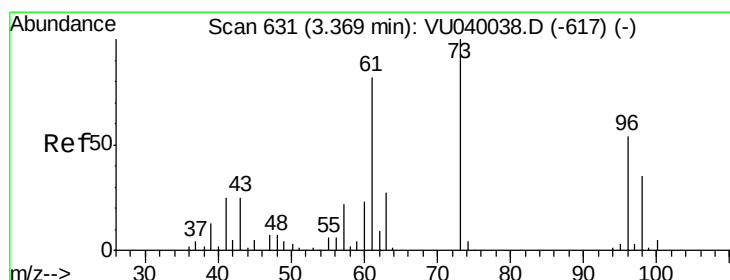
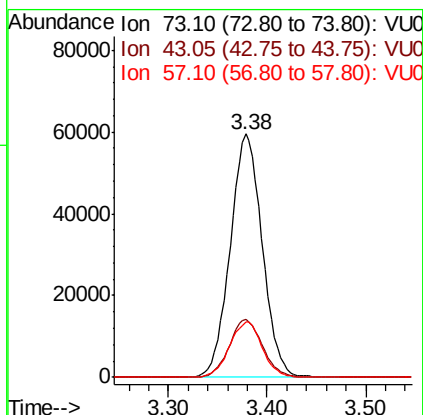
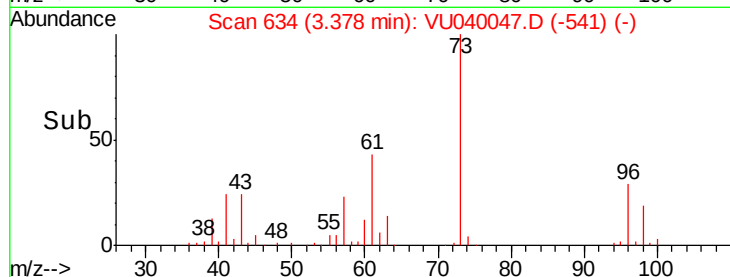
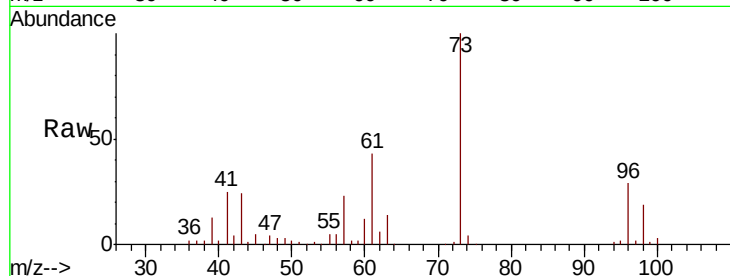


#17

Methyl tert-butyl Ether
 Concen: 4.766 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU040047.D
 Acq: 08 Sep 2020 10:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

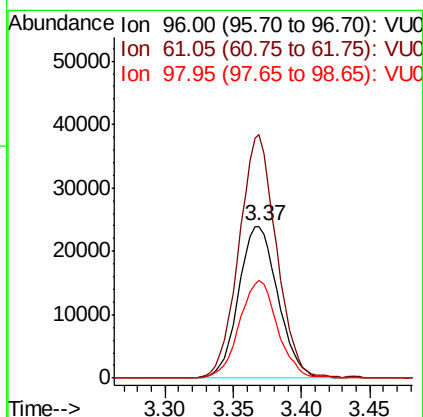
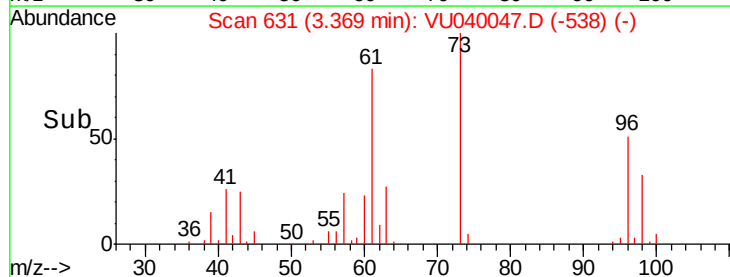
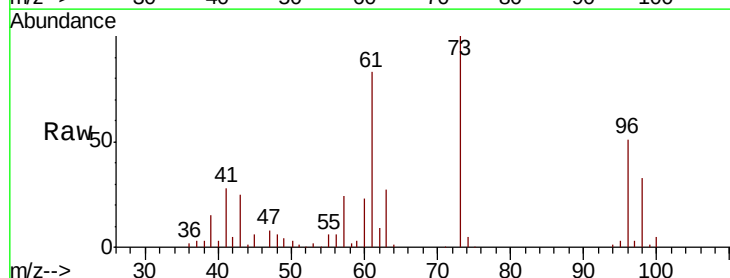
Tot Ion: 73 Resp: 134690
 Ion Ratio Lower Upper
 73 100
 43 24.6 19.1 28.7
 57 23.2 18.3 27.5

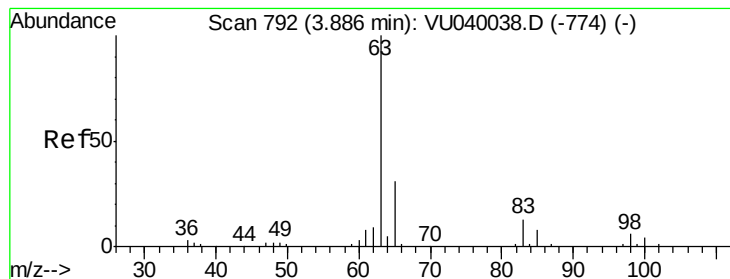


#18

trans-1,2-Dichloroethene
 Concen: 4.747 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU040047.D
 Acq: 08 Sep 2020 10:43

Tgt Ion: 96 Resp: 47876
 Ion Ratio Lower Upper
 96 100
 61 160.6 110.5 205.3
 98 64.5 43.2 80.2





#19

1,1-Dichloroethane

Concen: 4.693 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

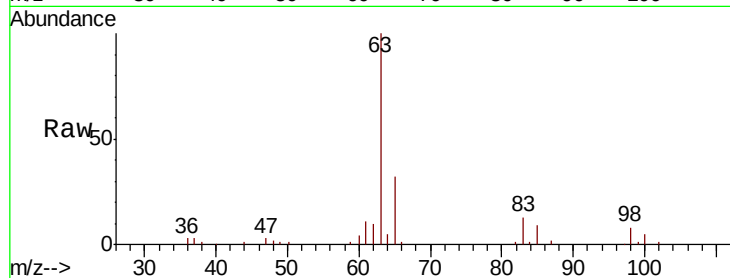
Tot Ion: 63 Resp: 97427

Ion Ratio Lower Upper

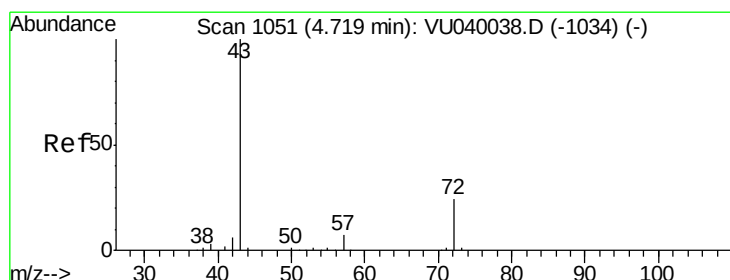
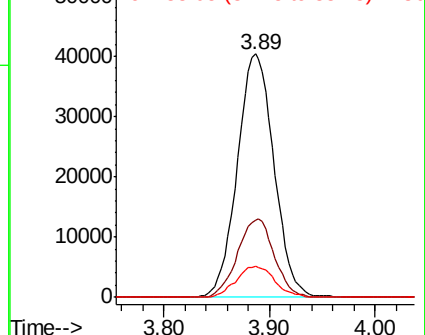
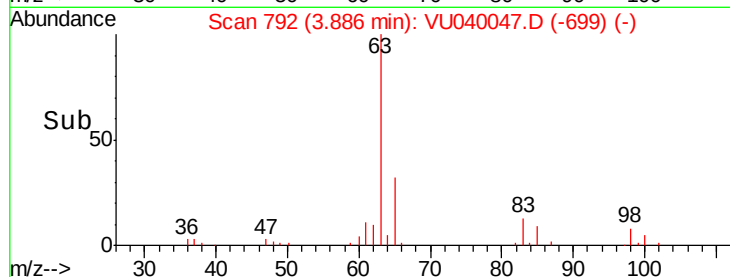
63 100

65 31.6 22.2 41.2

83 12.6 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU040047.D (-699) (-)



#21

2-Butanone

Concen: 50.260 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU040047.D

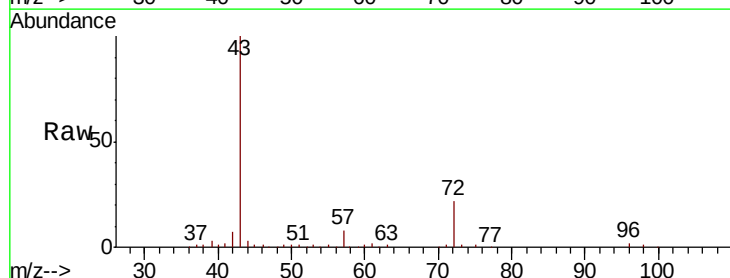
Acq: 08 Sep 2020 10:43

Tgt Ion: 43 Resp: 200975

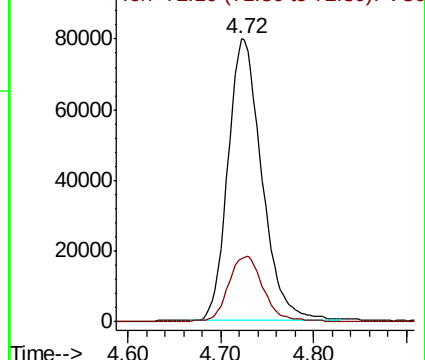
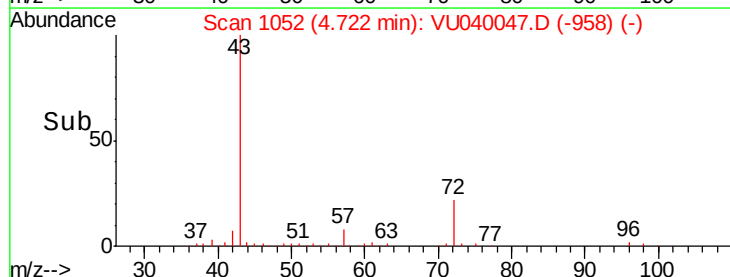
Ion Ratio Lower Upper

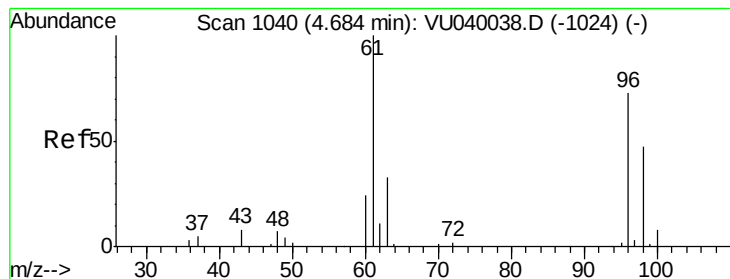
43 100

72 24.1 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU040047.D (-958) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.000 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

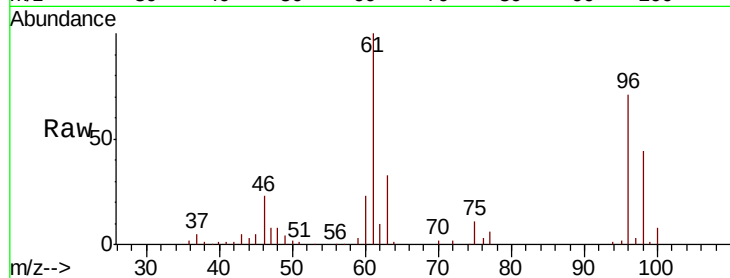
Tot Ion: 96 Resp: 54225

Ion Ratio Lower Upper

96 100

61 141.4 98.8 183.4

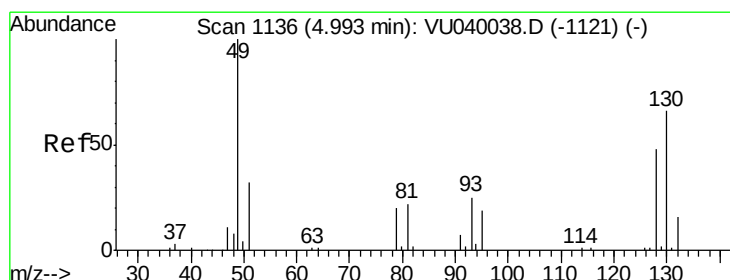
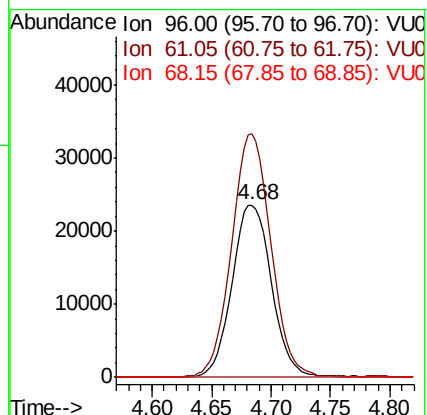
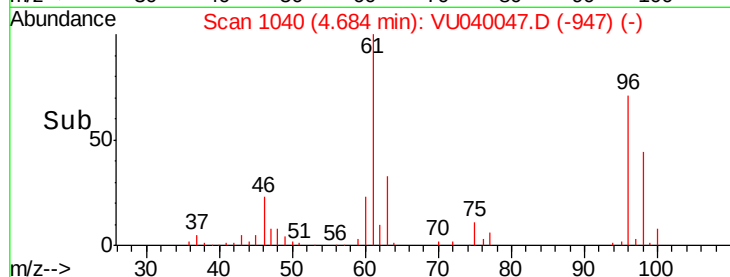
68 0.0 0.0 0.0



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: 5.140 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

Tgt Ion: 128 Resp: 24426

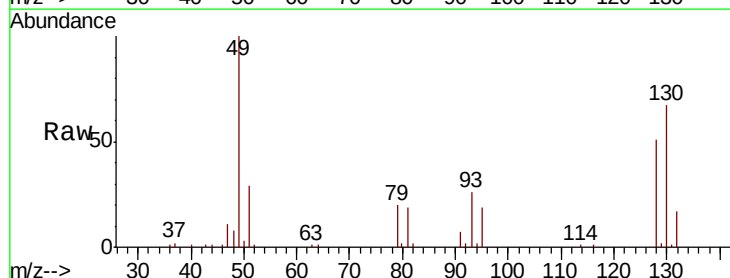
Ion Ratio Lower Upper

128 100

49 197.9 143.4 266.4

130 132.2 89.5 166.3

51 56.5 51.0 76.4

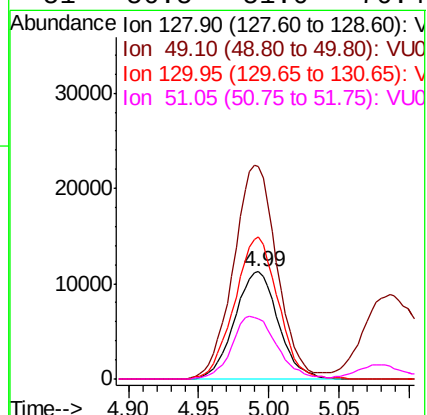
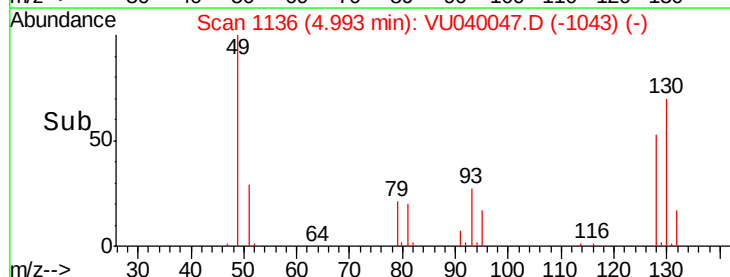


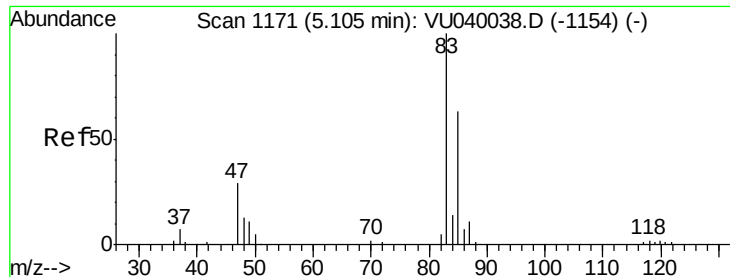
Abundance Ion 127.90 (127.60 to 128.60): V

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

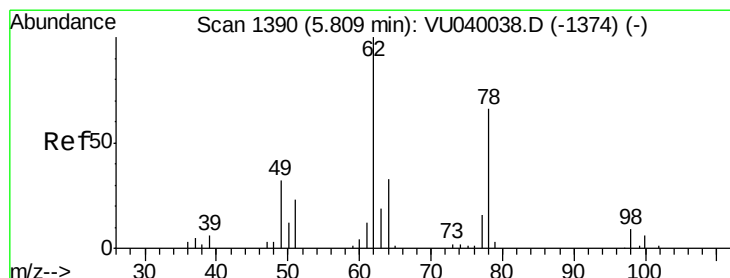
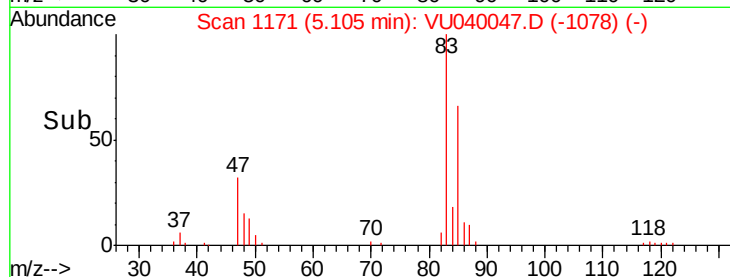
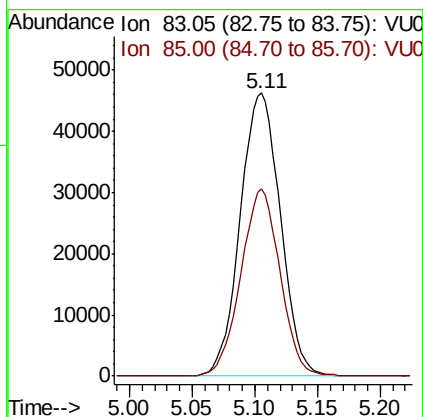
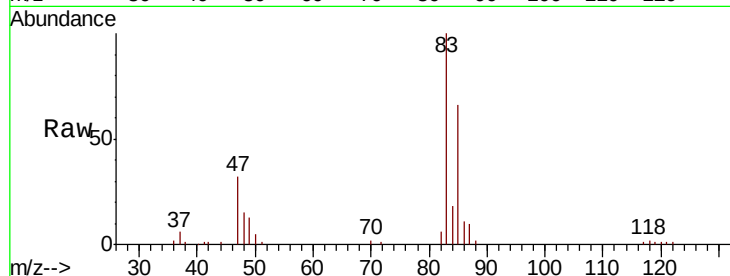




#25
Chloroform
Concen: 4.852 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040047.D
Acq: 08 Sep 2020 10:43

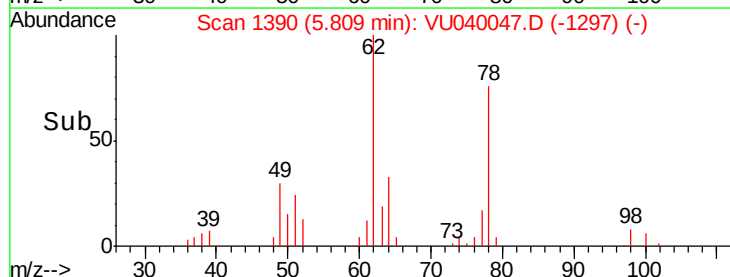
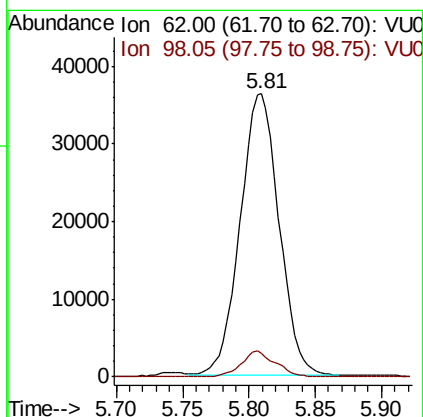
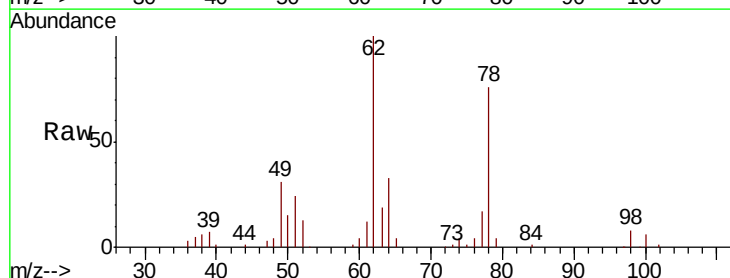
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

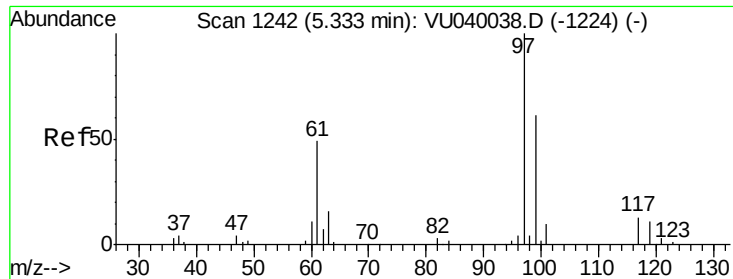
Tot Ion: 83 Resp: 103162
Ion Ratio Lower Upper
83 100
85 66.3 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.729 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040047.D
Acq: 08 Sep 2020 10:43

Tgt Ion: 62 Resp: 73661
Ion Ratio Lower Upper
62 100
98 8.2 6.1 9.1

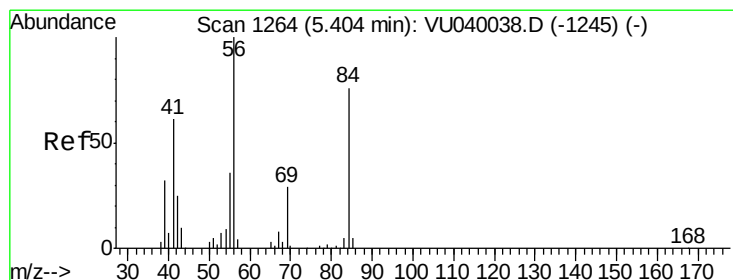
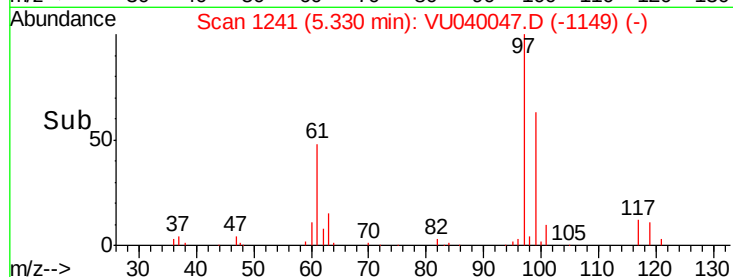
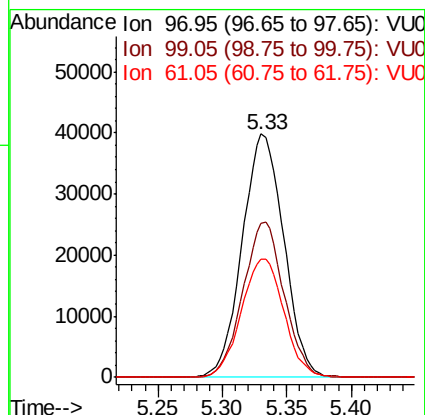
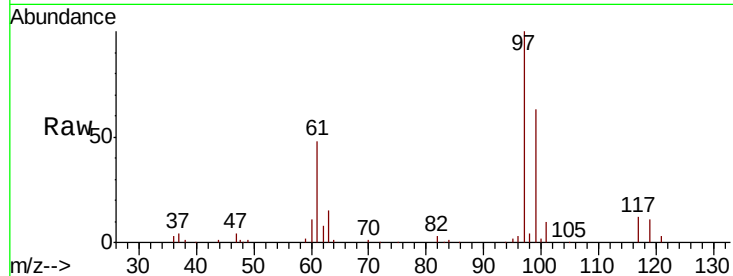




#29
 1,1,1-Trichloroethane
 Concen: 4.801 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040047.D
 Acq: 08 Sep 2020 10:43

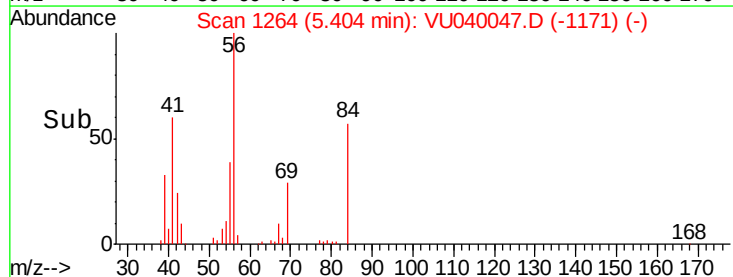
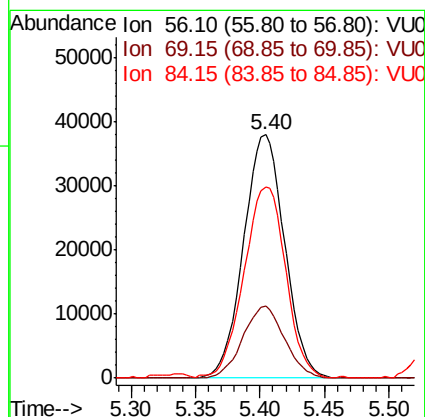
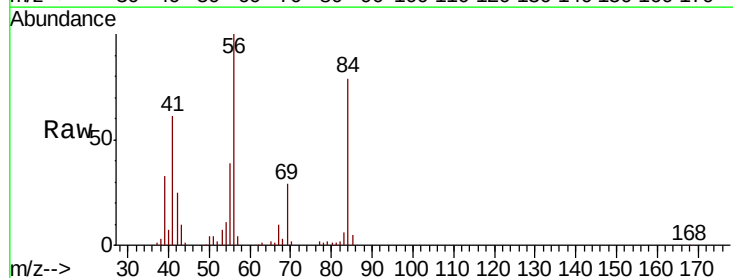
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00524

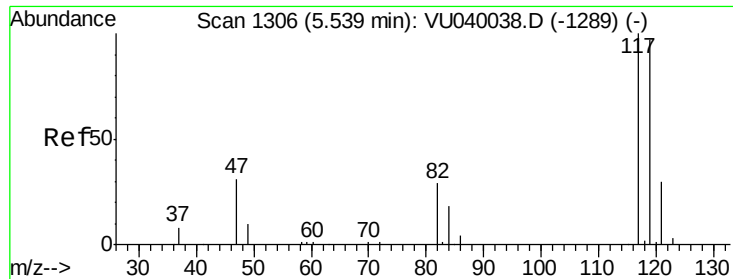
Tot Ion: 97 Resp: 89271
 Ion Ratio Lower Upper
 97 100
 99 63.1 50.9 76.3
 61 49.8 39.5 59.3



#30
 Cyclohexane
 Concen: 4.678 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040047.D
 Acq: 08 Sep 2020 10:43

Tgt Ion: 56 Resp: 84352
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.1 36.1
 84 80.2 65.0 97.4

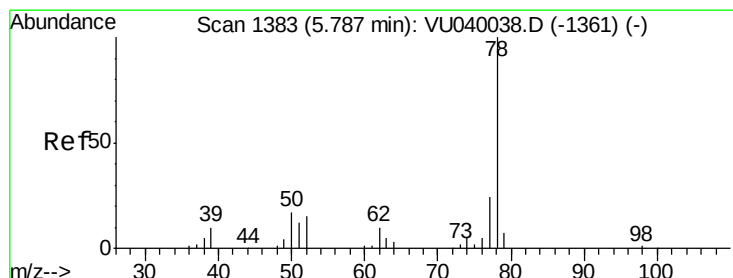
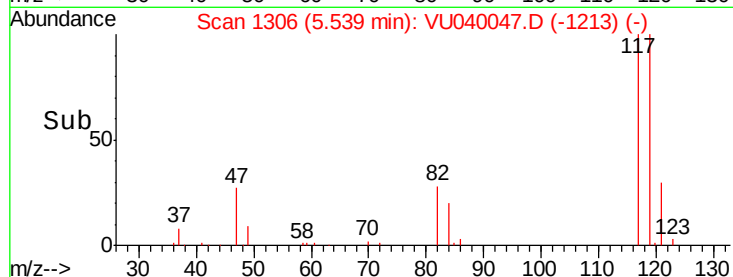
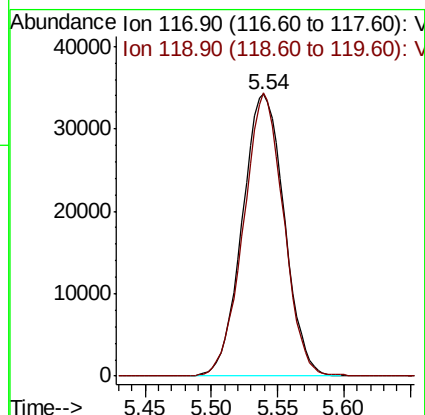
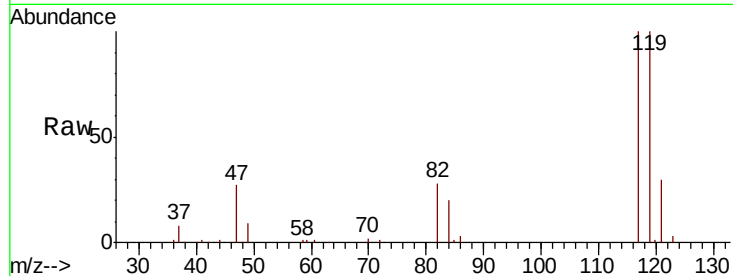




#31
Carbon tetrachloride
Concen: 4.747 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU040047.D
Acq: 08 Sep 2020 10:43

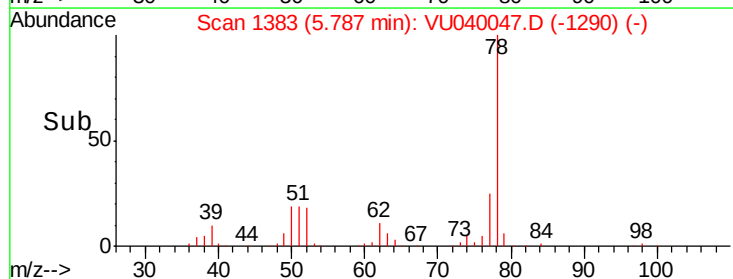
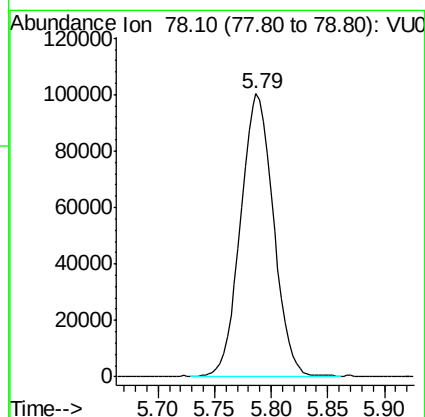
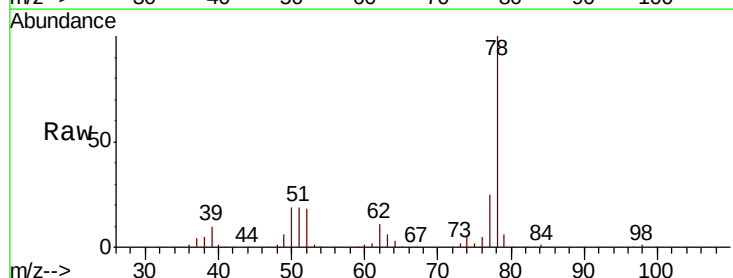
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

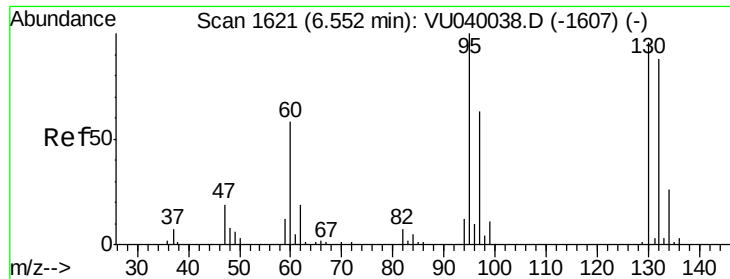
Tot Ion:117 Resp: 75546
Ion Ratio Lower Upper
117 100
119 95.6 77.7 116.5



#33
Benzene
Concen: 4.752 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU040047.D
Acq: 08 Sep 2020 10:43

Tgt Ion: 78 Resp: 201310





#34

Trichloroethene

Concen: 4.885 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

Tot Ion: 95 Resp: 55518

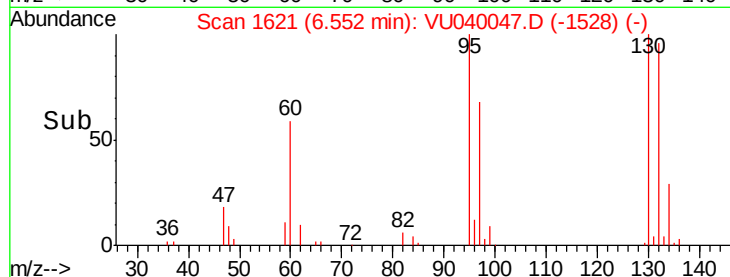
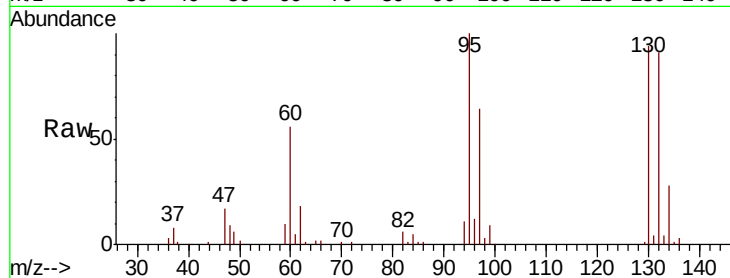
Ion Ratio Lower Upper

95 100

97 64.3 43.3 80.5

132 90.6 59.4 110.4

130 94.1 64.8 120.4

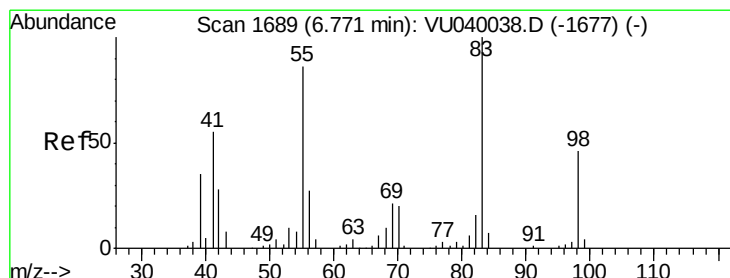
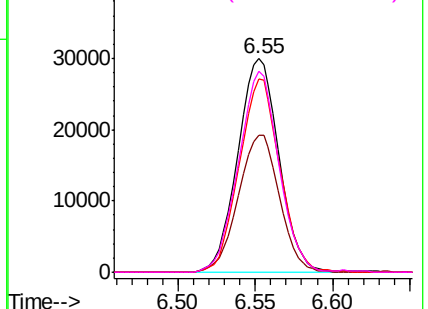


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.694 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

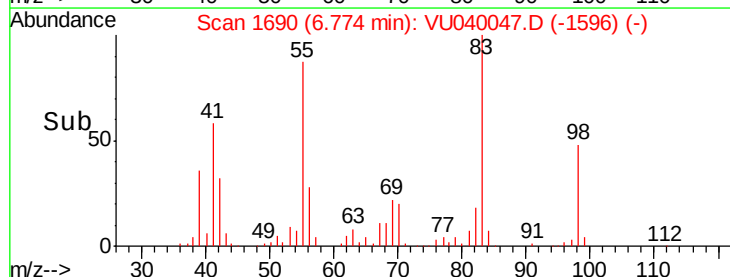
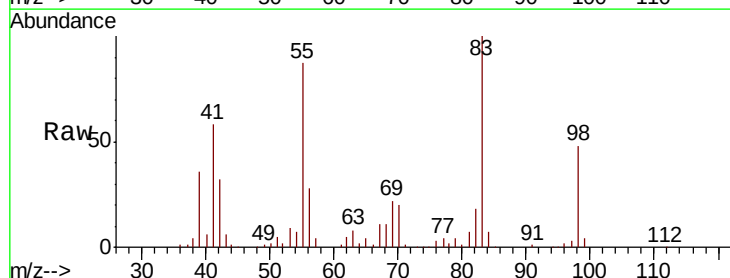
Tgt Ion: 83 Resp: 81691

Ion Ratio Lower Upper

83 100

55 84.2 70.5 105.7

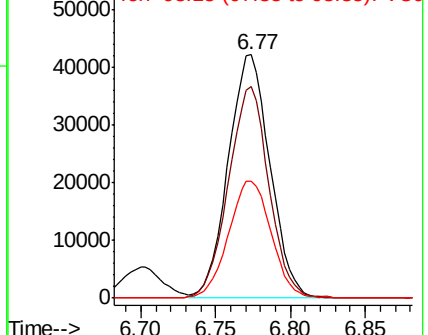
98 49.2 37.8 56.6

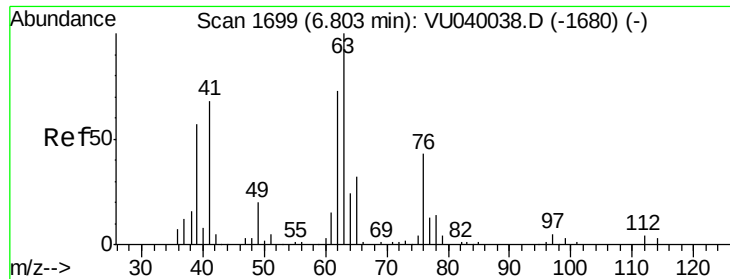


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

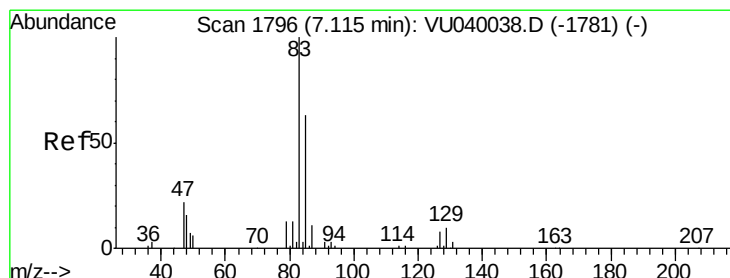
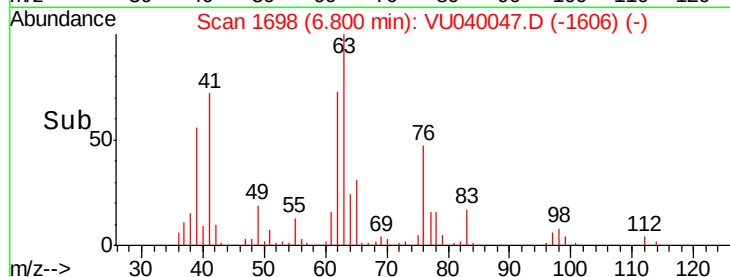
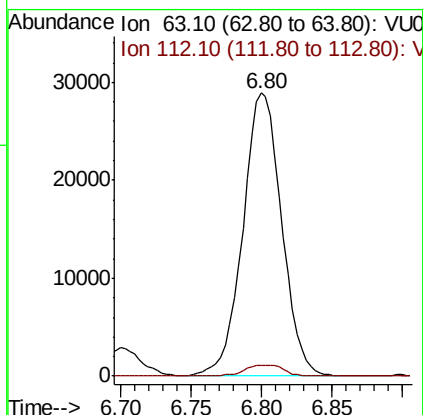
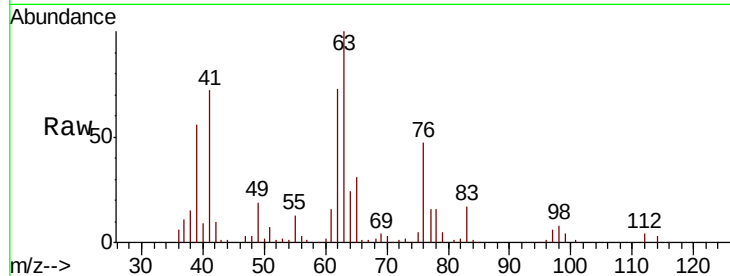




#37
 1,2-Dichloropropane
 Concen: 4.854 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040047.D
 Acq: 08 Sep 2020 10:43

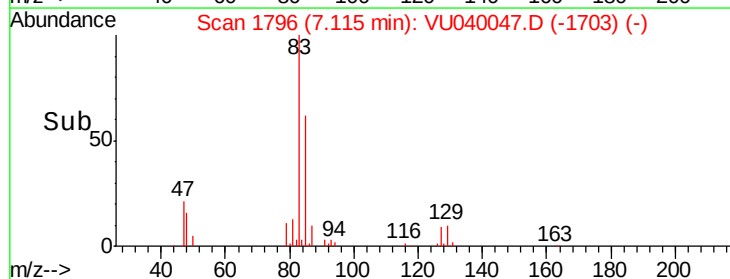
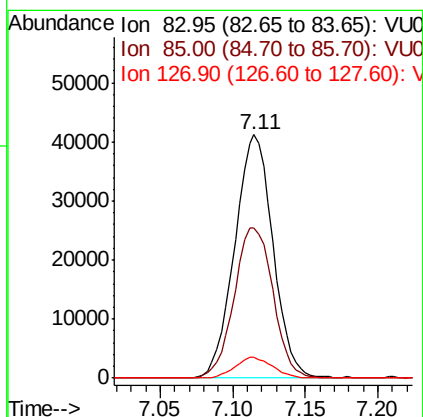
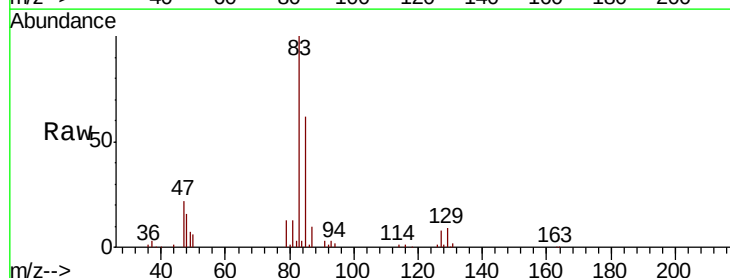
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

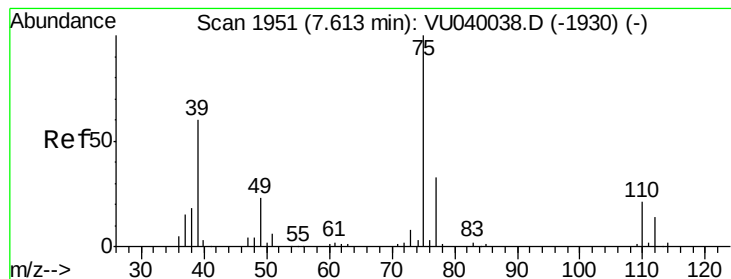
Tot Ion: 63 Resp: 55680
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#38
 Bromodichloromethane
 Concen: 4.823 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040047.D
 Acq: 08 Sep 2020 10:43

Tgt Ion: 83 Resp: 75534
 Ion Ratio Lower Upper
 83 100
 85 61.9 45.1 83.9
 127 8.5 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 4.981 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

Instrument :

MSVOA_U

ClientSampled :

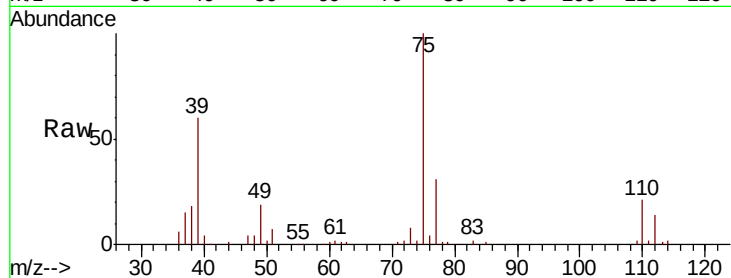
VSTD00524

Tot Ion: 75 Resp: 84264

Ion Ratio Lower Upper

75 100

77 31.5 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VU040038.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU040038.D (-1930) (-)

7.61

50000

40000

30000

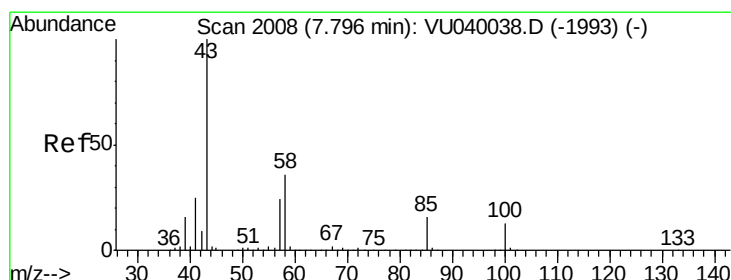
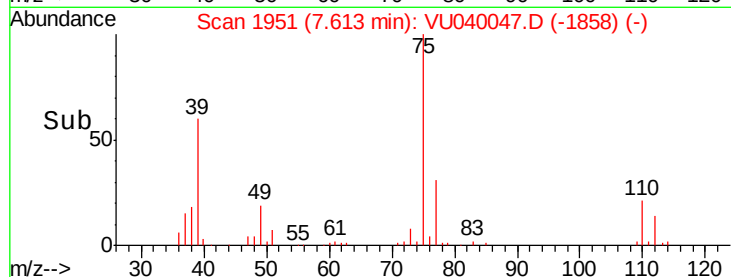
20000

10000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#40

4-Methyl-2-pentanone

Concen: 49.904 ug/L

RT: 7.80 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

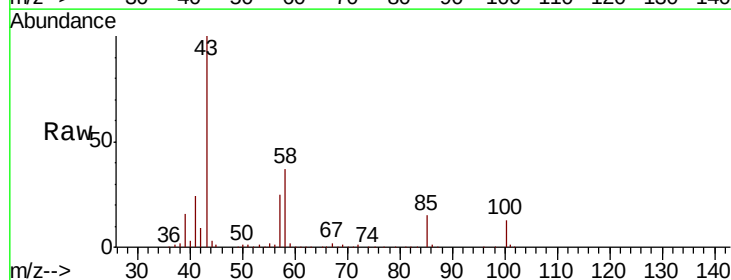
Tgt Ion: 43 Resp: 469717

Ion Ratio Lower Upper

43 100

58 36.7 28.7 43.1

100 13.1 10.2 15.2



Abundance Ion 43.05 (42.75 to 43.75): VU040038.D (-1993) (-)

Ion 58.05 (57.75 to 58.75): VU040038.D (-1993) (-)

Ion 100.15 (99.85 to 100.85): VU040038.D (-1993) (-)

7.80

300000

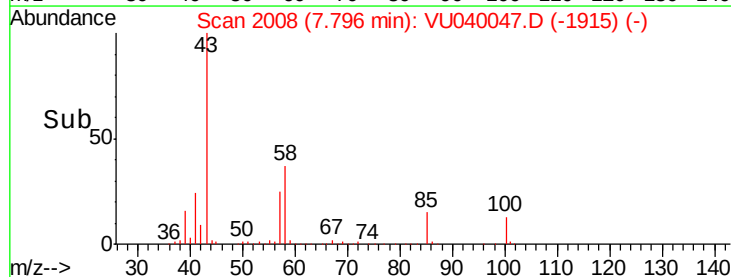
200000

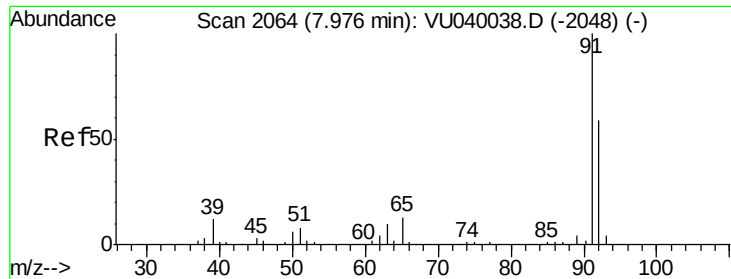
100000

0

7.70 7.75 7.80 7.85 7.90

Time-->





#42

Toluene

Concen: 4.972 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

Instrument :

MSVOA_U

ClientSampled :

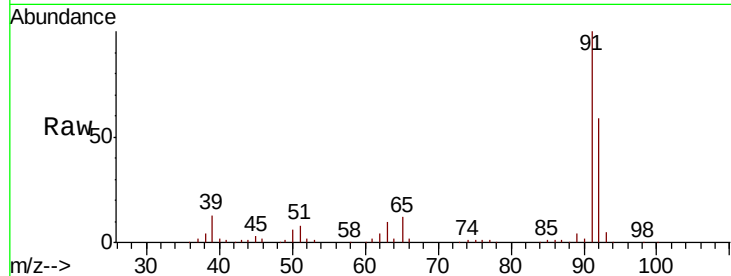
VSTD00524

Tot Ion: 91 Resp: 216948

Ion Ratio Lower Upper

91 100

92 59.2 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040038.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU040038.D (-2048) (-)

7.97

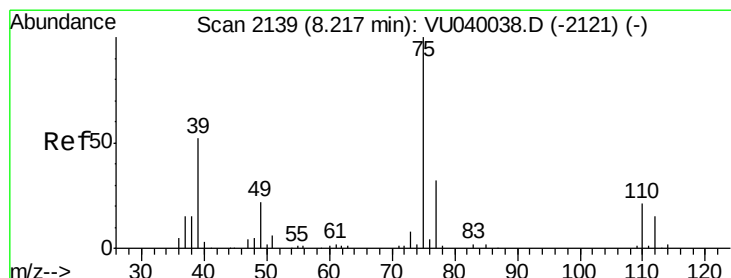
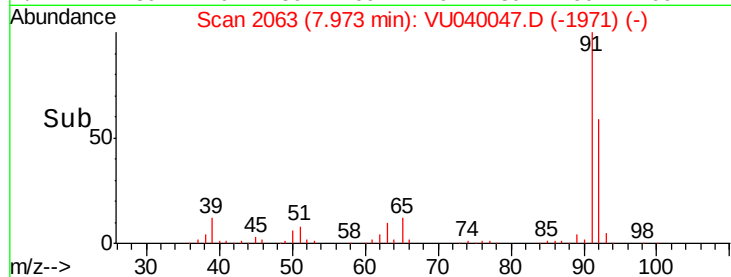
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.870 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040047.D

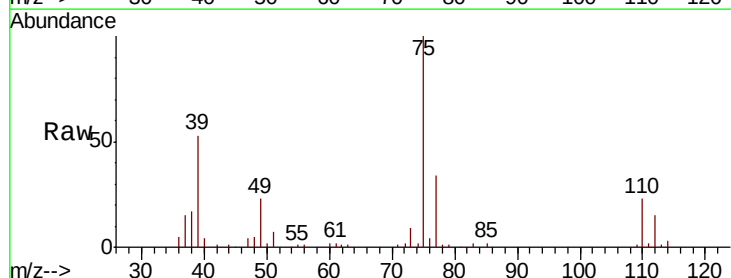
Acq: 08 Sep 2020 10:43

Tgt Ion: 75 Resp: 76339

Ion Ratio Lower Upper

75 100

77 33.5 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU040038.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU040038.D (-2121) (-)

8.21

50000

40000

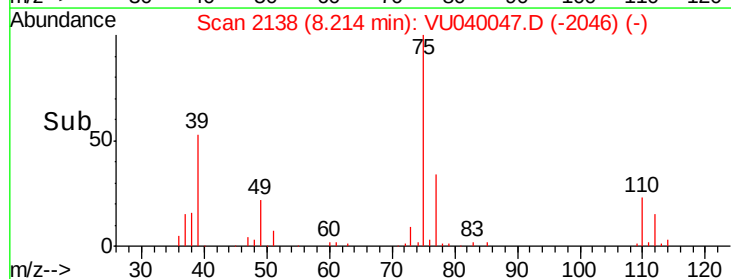
30000

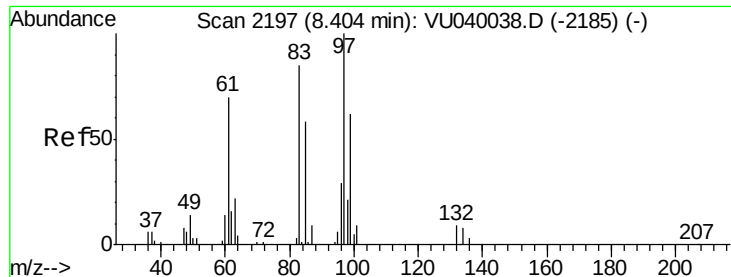
20000

10000

0

Time-->

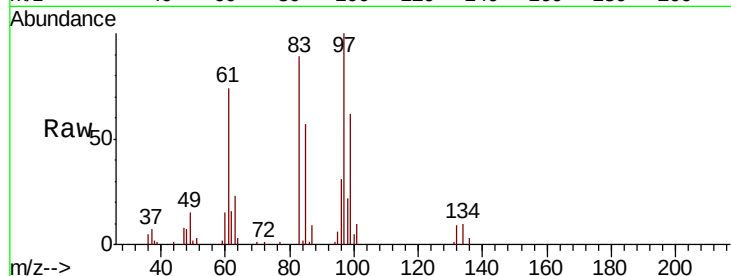




#45
 1,1,2-Trichloroethane
 Concen: 5.039 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU040047.D
 Acq: 08 Sep 2020 10:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion:	97	Resp:	42114
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.0	79.8
83	89.3	61.7	114.7
85	57.5	39.3	73.1



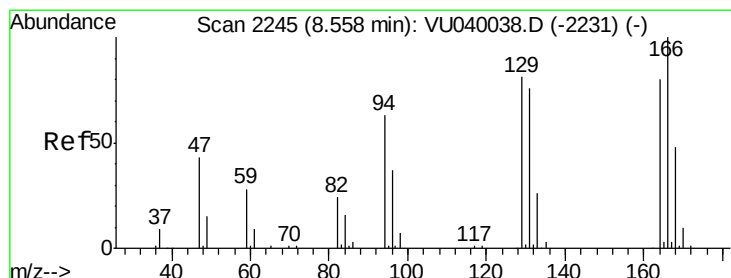
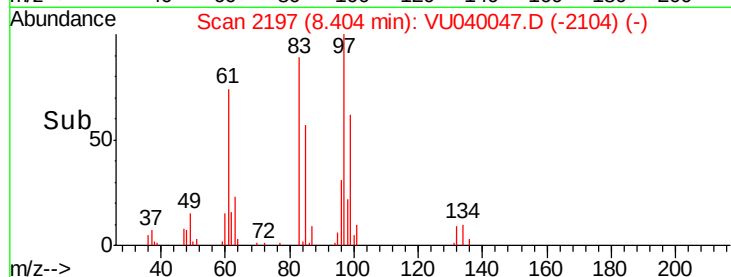
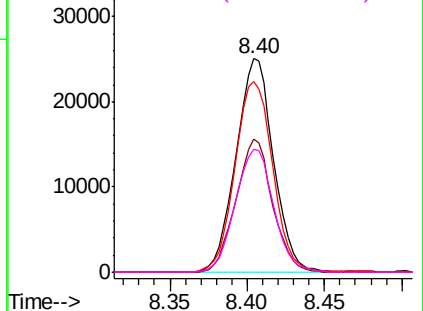
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

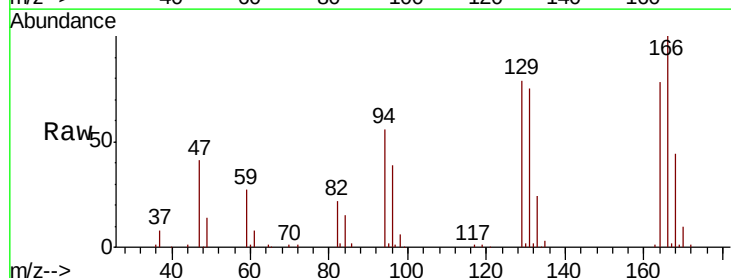
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.962 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040047.D
 Acq: 08 Sep 2020 10:43

Tgt Ion:	164	Resp:	37041
Ion	Ratio	Lower	Upper
164	100		
129	101.5	71.5	132.7
131	96.1	65.9	122.5
166	127.7	87.3	162.1



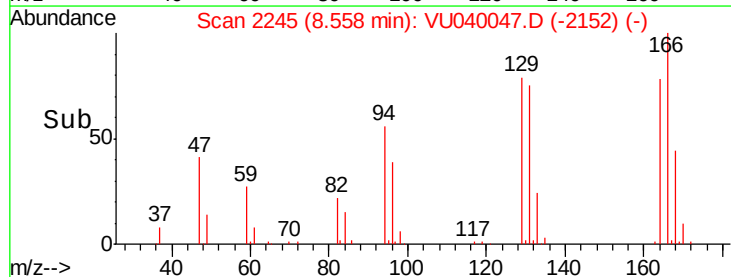
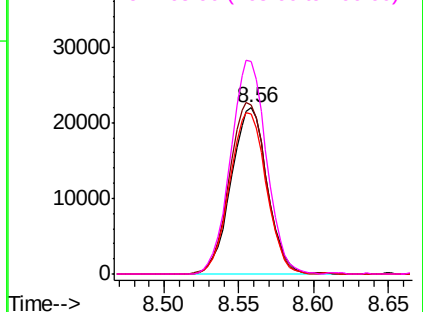
Abundance

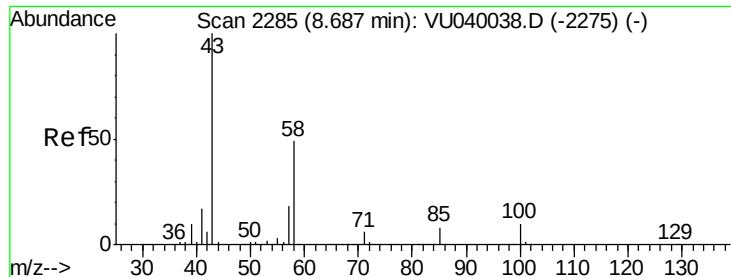
Ion 163.90 (163.60 to 164.60): V

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

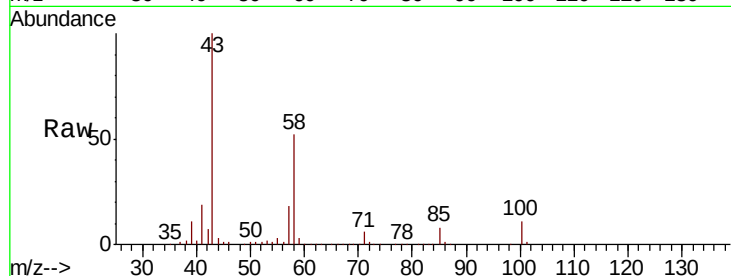




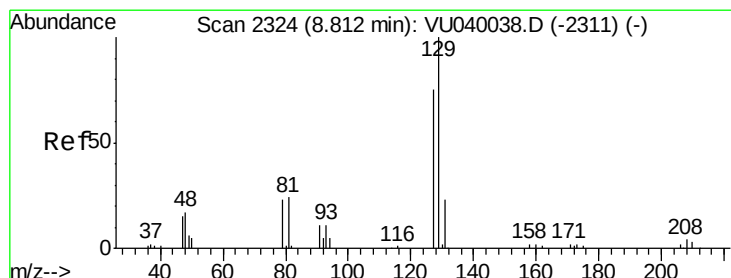
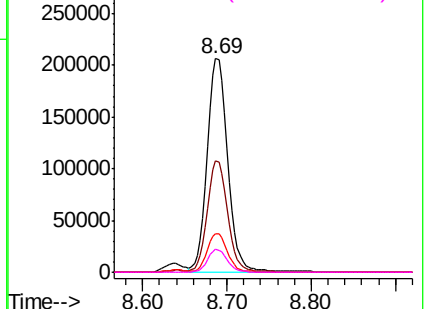
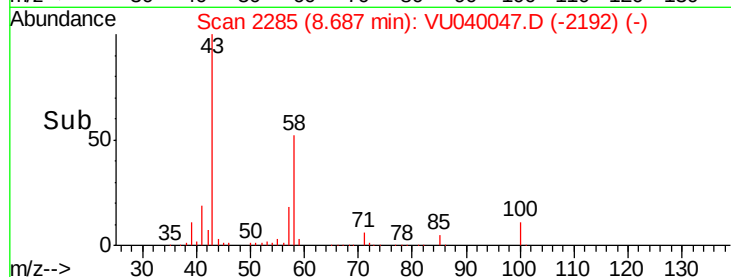
#48
2-Hexanone
Concen: 51.038 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VU040047.D
Acq: 08 Sep 2020 10:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion: 43 Resp: 350419
Ion Ratio Lower Upper
43 100
58 50.7 39.6 59.4
57 17.8 14.3 21.5
100 10.4 8.0 12.0

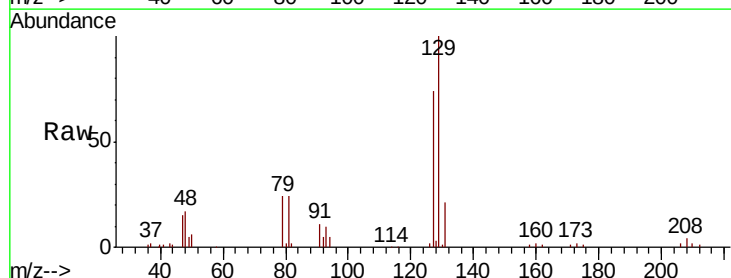


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

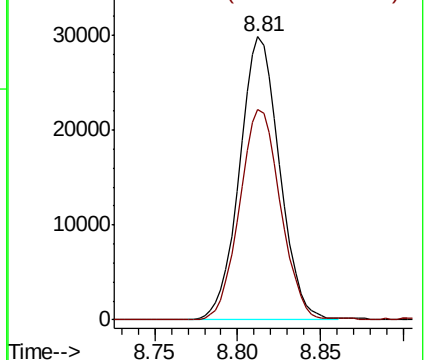
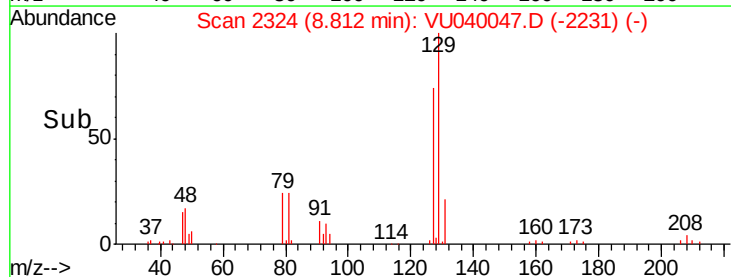


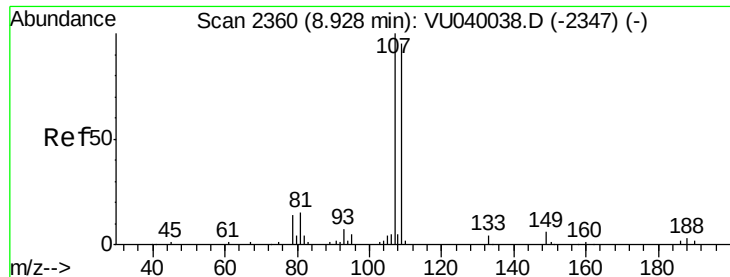
#49
Dibromochloromethane
Concen: 4.984 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU040047.D
Acq: 08 Sep 2020 10:43

Tgt Ion: 129 Resp: 49996
Ion Ratio Lower Upper
129 100
127 74.4 53.7 99.7



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

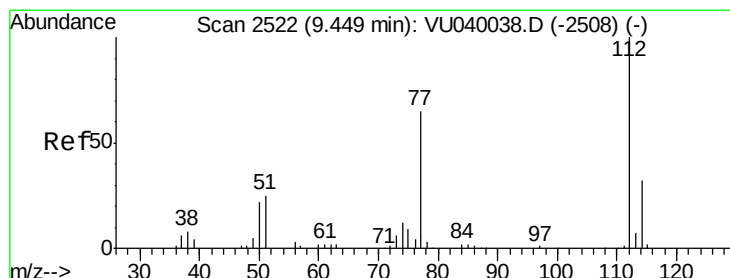
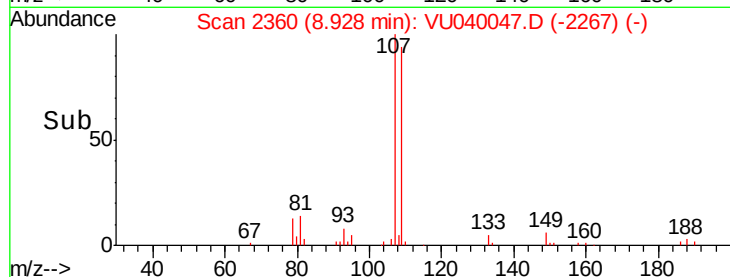
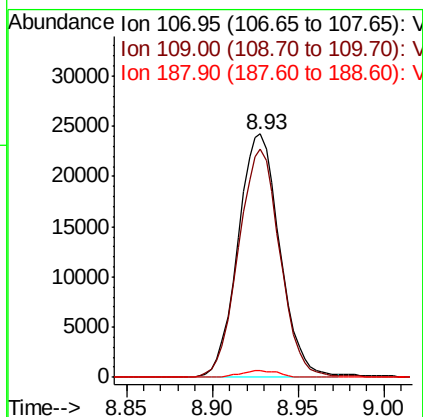
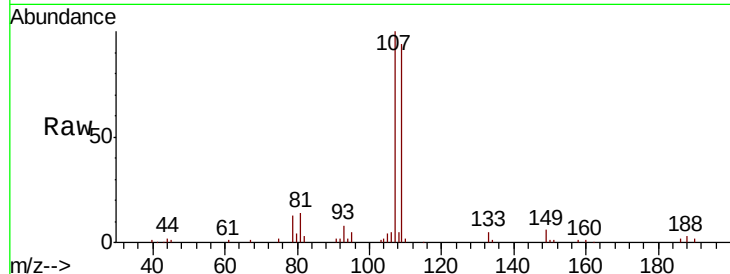




#50
 1,2-Dibromoethane
 Concen: 5.092 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040047.D
 Acq: 08 Sep 2020 10:43

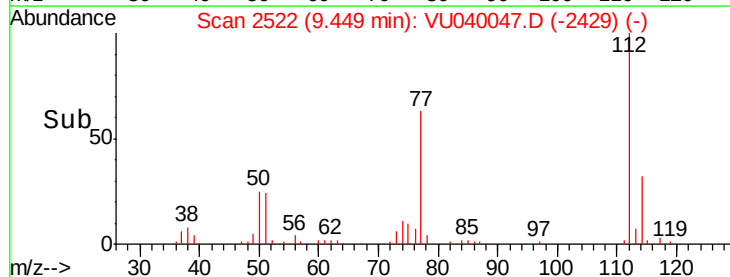
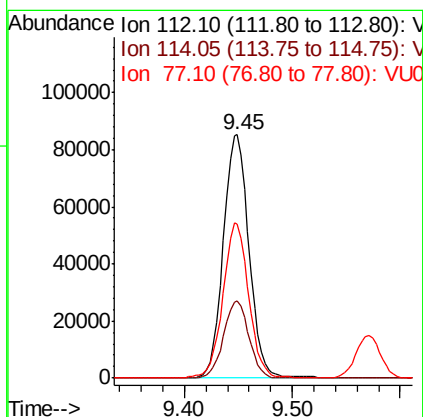
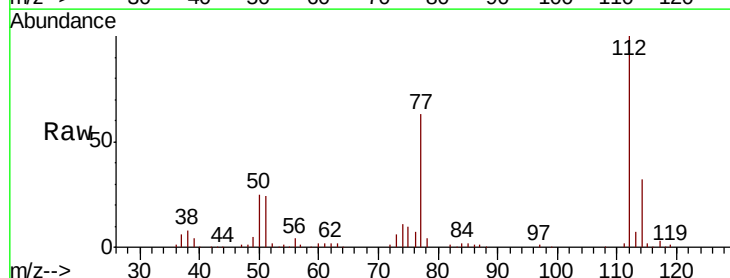
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

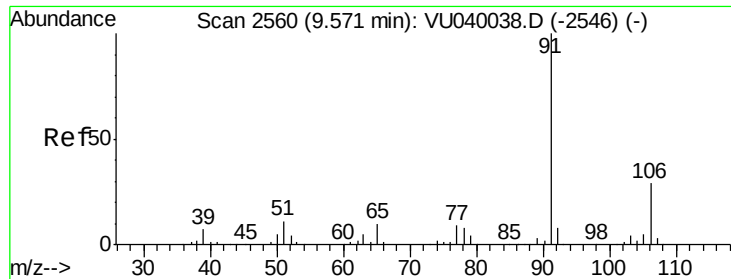
Tot Ion:107 Resp: 41031
 Ion Ratio Lower Upper
 107 100
 109 93.8 62.4 115.8
 188 2.6 2.3 3.5



#51
 Chlorobenzene
 Concen: 5.209 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040047.D
 Acq: 08 Sep 2020 10:43

Tgt Ion:112 Resp: 141091
 Ion Ratio Lower Upper
 112 100
 114 31.6 22.7 42.3
 77 63.4 53.2 79.8

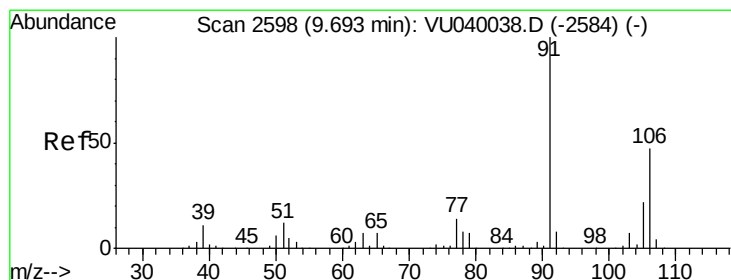
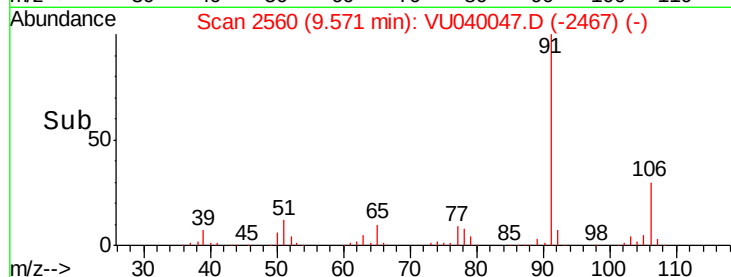
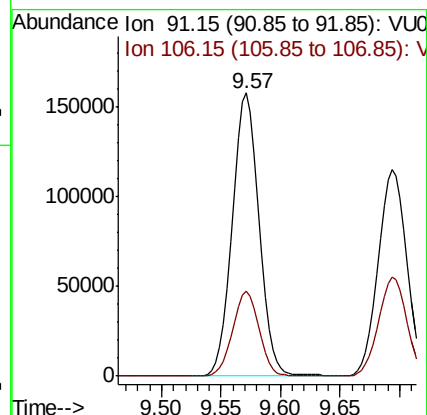
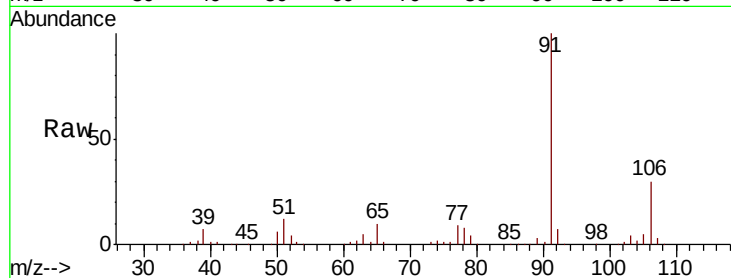




#52
Ethylbenzene
Concen: 4.973 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040047.D
Acq: 08 Sep 2020 10:43

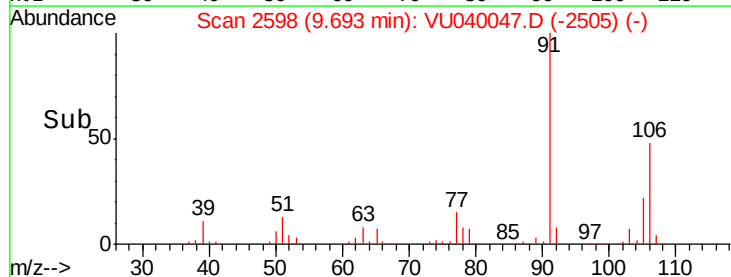
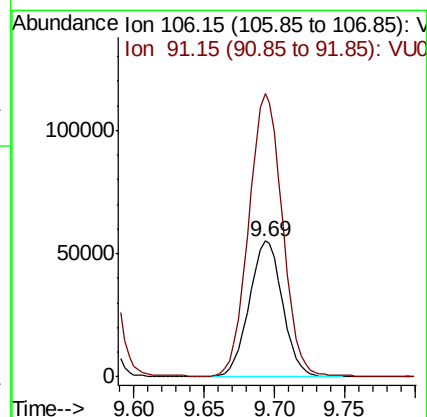
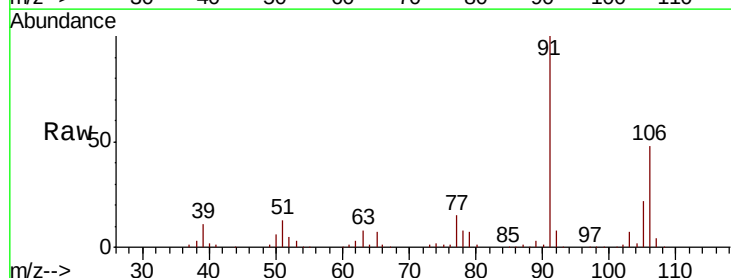
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

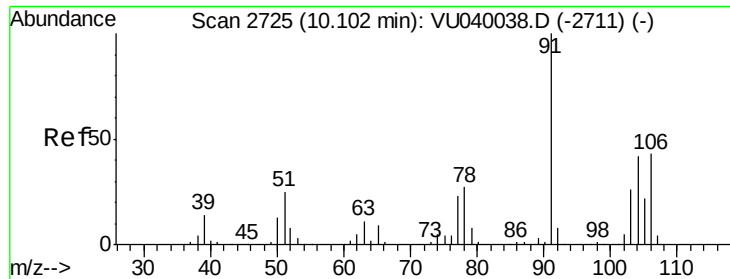
Tot Ion: 91 Resp: 246519
Ion Ratio Lower Upper
91 100
106 30.2 21.0 39.0



#53
m,p-Xylene
Concen: 5.159 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU040047.D
Acq: 08 Sep 2020 10:43

Tgt Ion: 106 Resp: 91059
Ion Ratio Lower Upper
106 100
91 208.2 151.7 281.7





#54

o-Xylene

Concen: 5.201 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

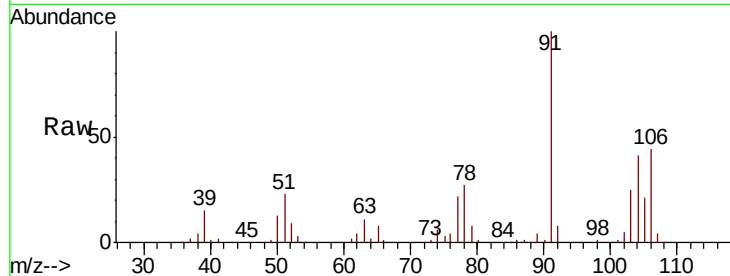
VSTD00524

Tot Ion:106 Resp: 87475

Ion Ratio Lower Upper

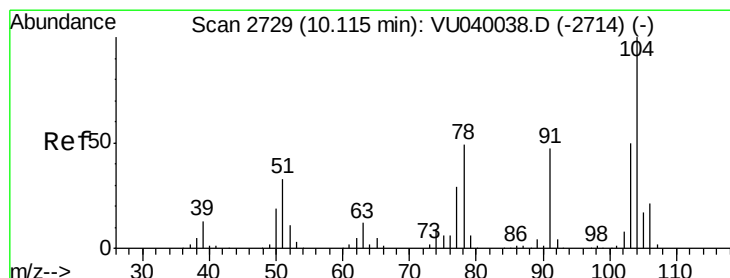
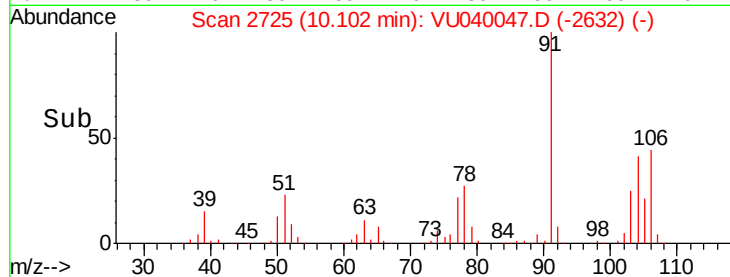
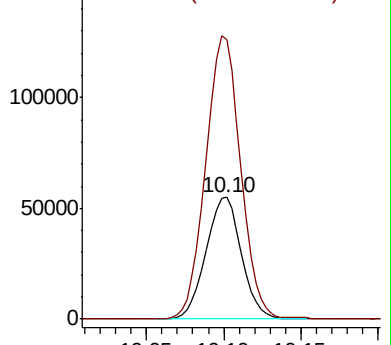
106 100

91 229.3 160.8 298.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.343 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU040047.D

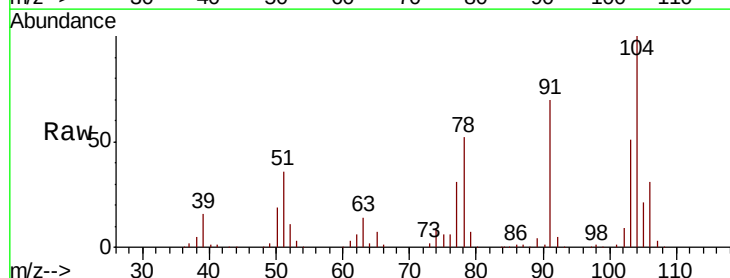
Acq: 08 Sep 2020 10:43

Tgt Ion:104 Resp: 156269

Ion Ratio Lower Upper

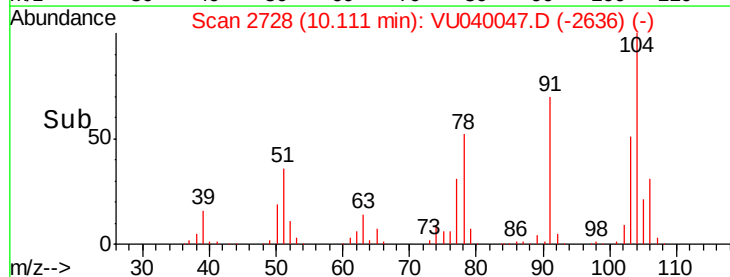
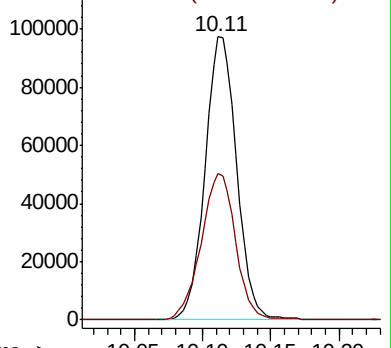
104 100

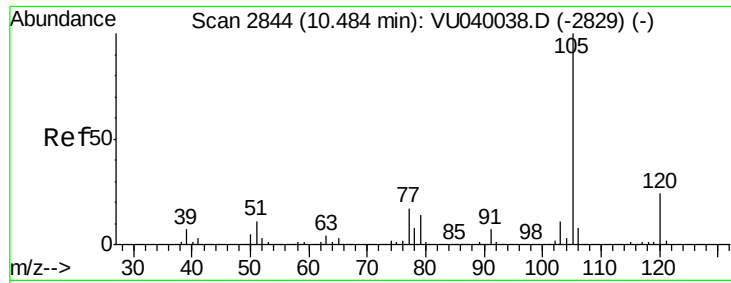
78 51.6 36.8 68.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.288 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

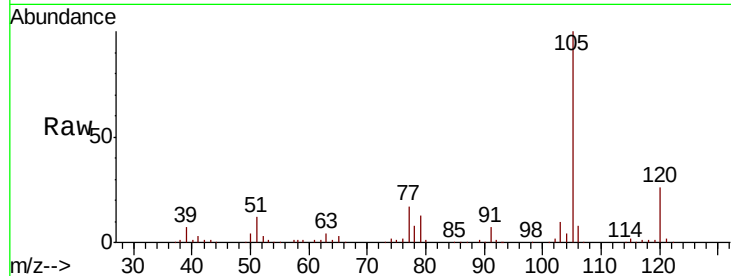
Tot Ion:105 Resp: 242556

Ion Ratio Lower Upper

105 100

120 25.6 20.1 30.1

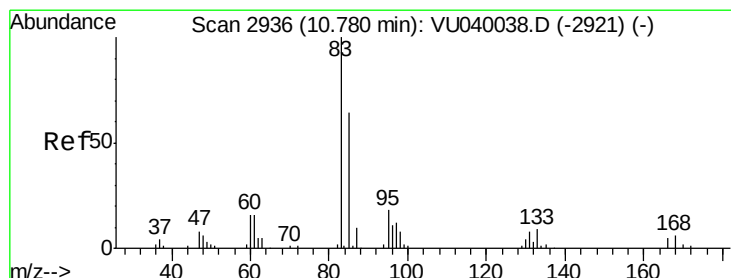
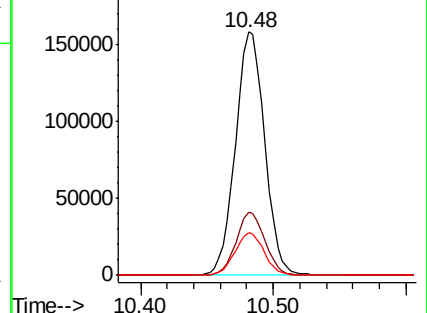
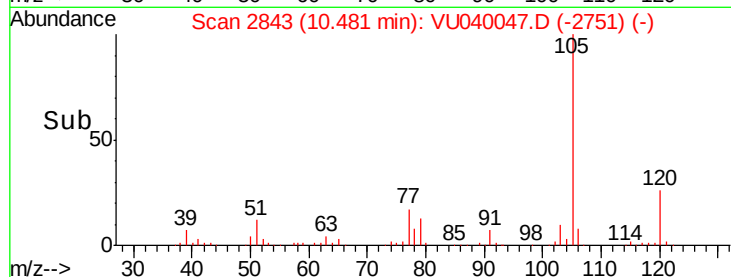
77 17.4 14.4 21.6



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: 5.085 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

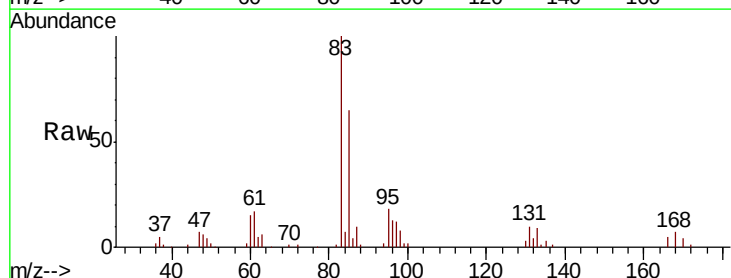
Tgt Ion: 83 Resp: 54486

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.3

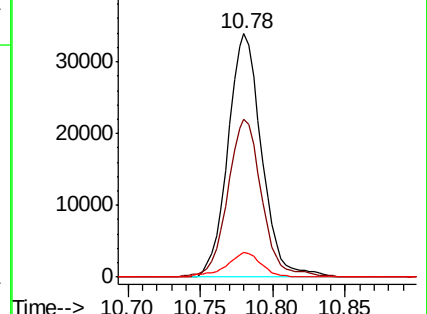
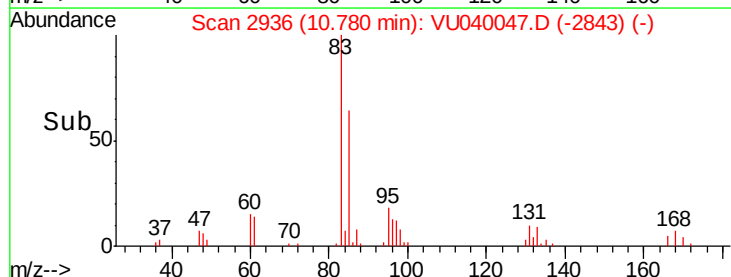
131 10.1 7.4 11.0

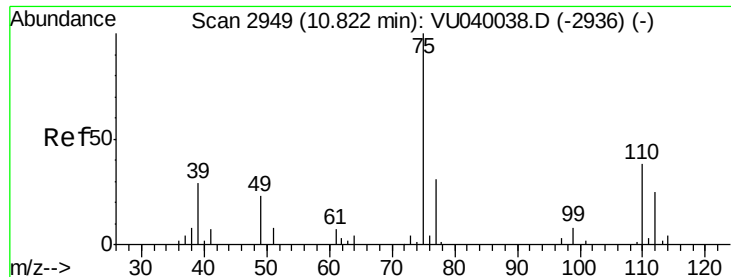


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.145 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

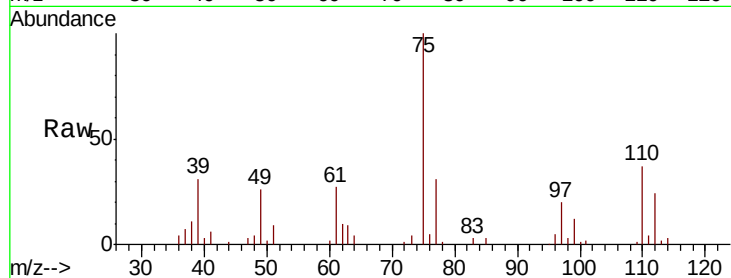
VSTD00524

Tot Ion: 75 Resp: 43727

Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU040038.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040038.D (-2936) (-)

10.82

30000

25000

20000

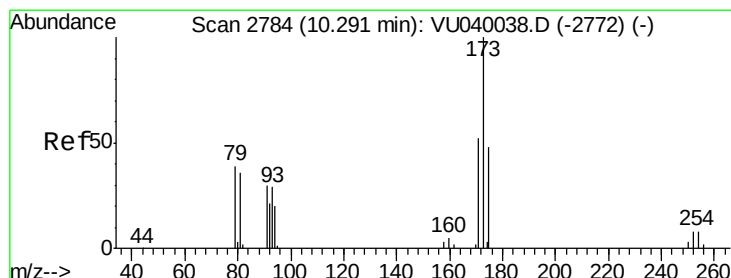
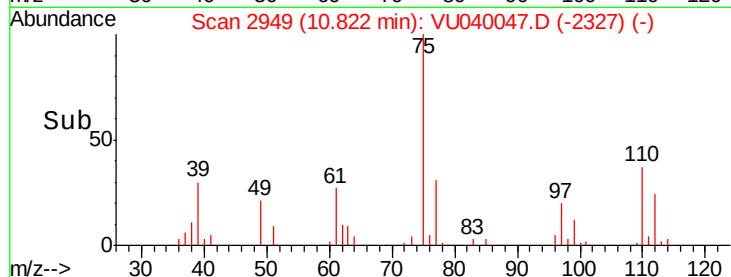
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 4.566 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

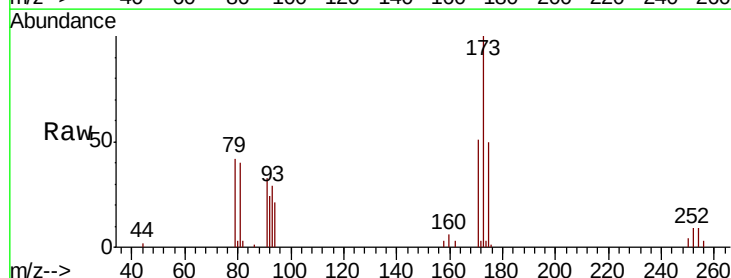
Tgt Ion: 173 Resp: 25719

Ion Ratio Lower Upper

173 100

175 49.6 37.8 56.6

254 8.1 6.8 10.2



Abundance Ion 172.90 (172.60 to 173.60): VU040038.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU040038.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU040038.D (-2772) (-)

10.29

20000

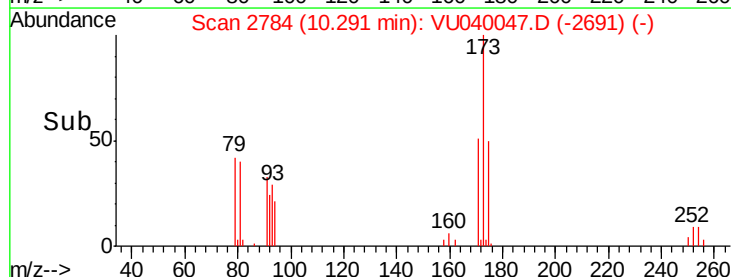
15000

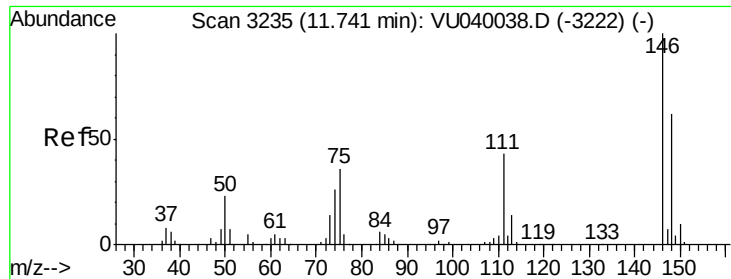
10000

5000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.080 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

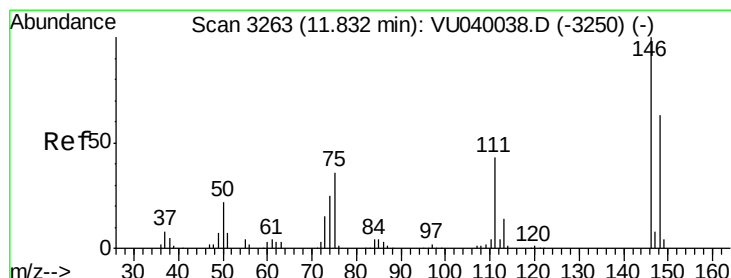
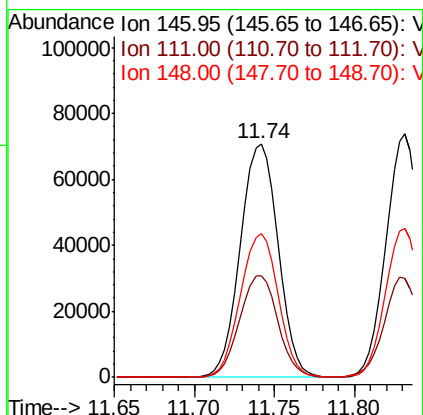
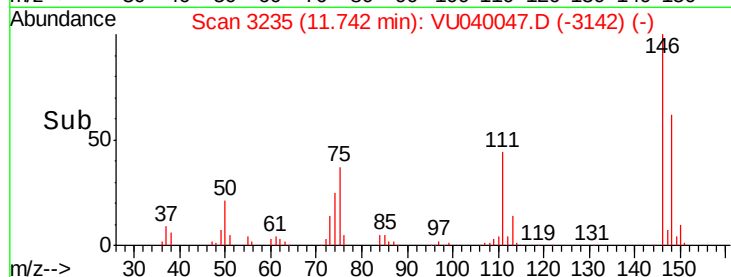
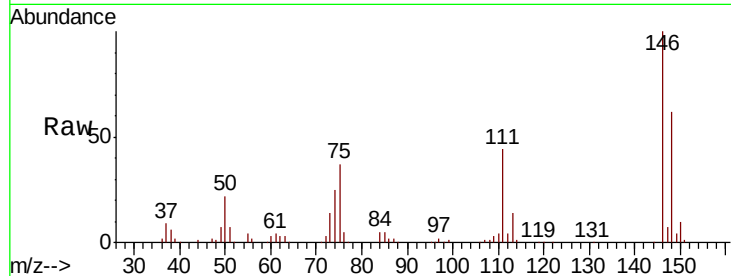
Tot Ion:146 Resp: 114021

Ion Ratio Lower Upper

146 100

111 43.6 31.6 58.8

148 61.5 44.2 82.0



#63

1,4-Dichlorobenzene

Concen: 5.028 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

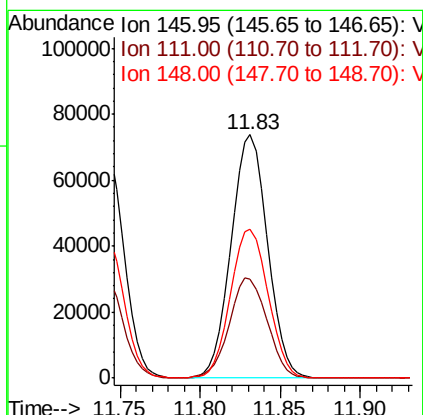
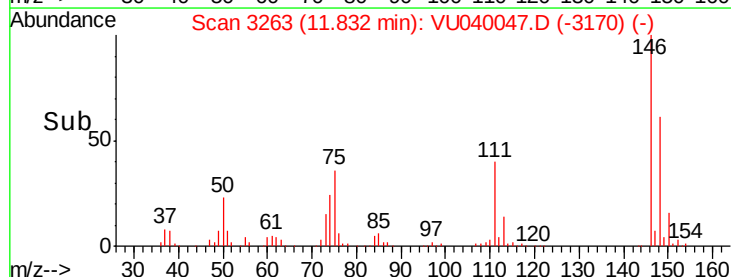
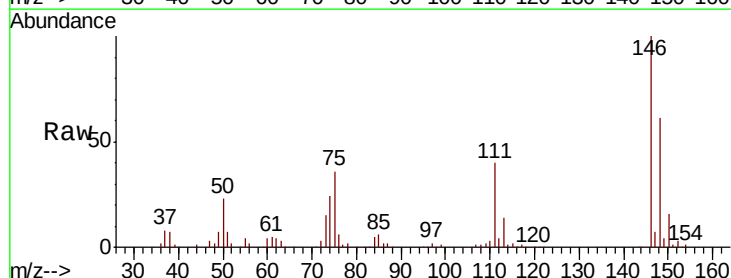
Tgt Ion:146 Resp: 114213

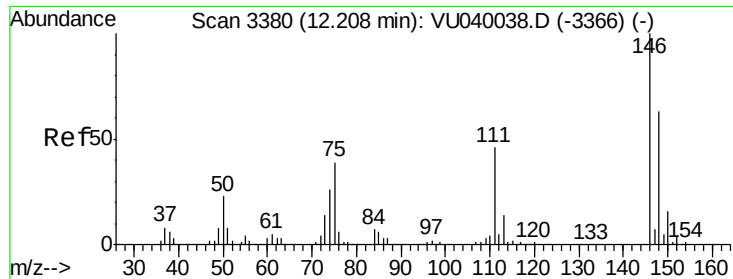
Ion Ratio Lower Upper

146 100

111 40.4 30.5 56.7

148 61.0 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 4.983 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

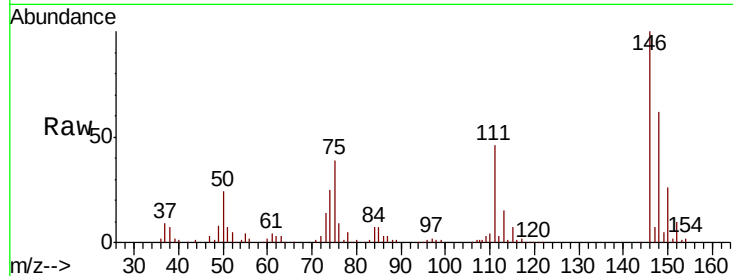
Tot Ion:146 Resp: 108228

Ion Ratio Lower Upper

146 100

111 45.8 36.5 54.7

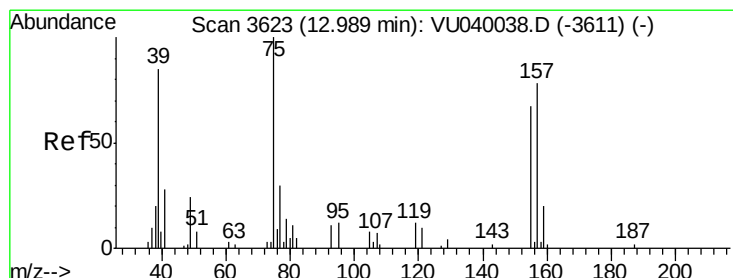
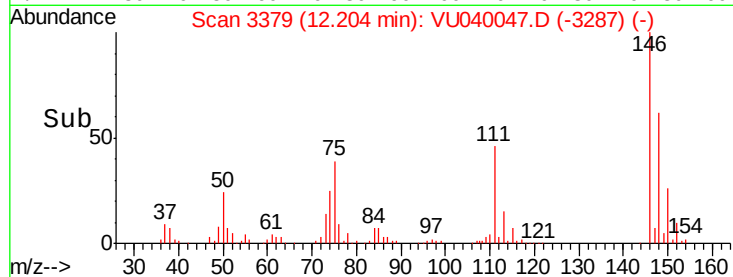
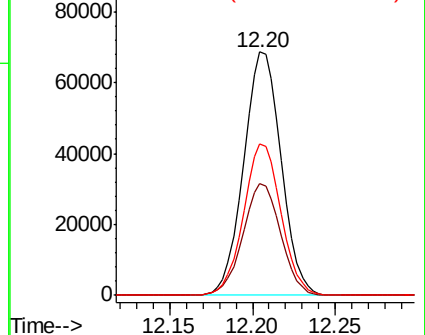
148 62.0 48.6 72.8



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: 4.520 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

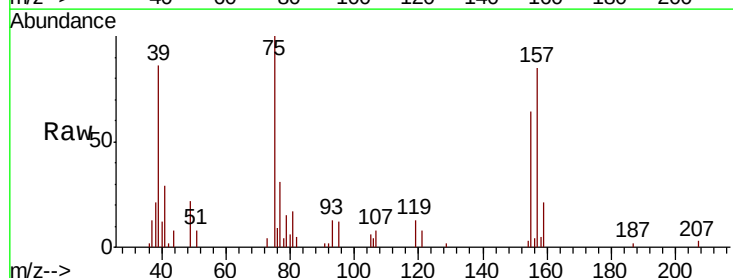
Tgt Ion: 75 Resp: 10499

Ion Ratio Lower Upper

75 100

155 64.4 54.6 82.0

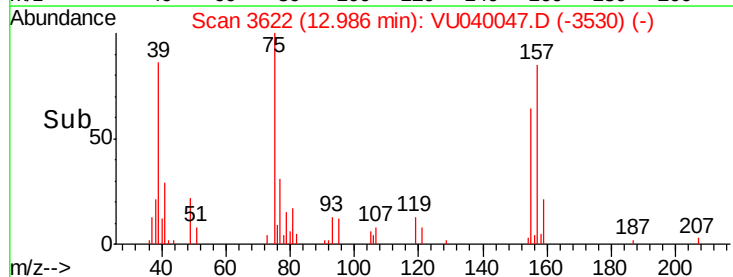
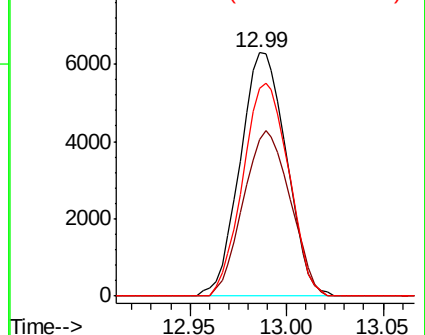
157 85.3 75.6 113.4

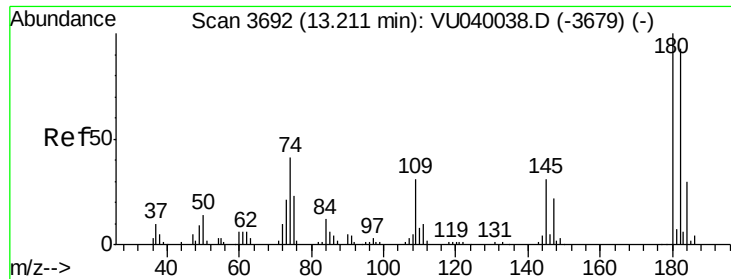


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

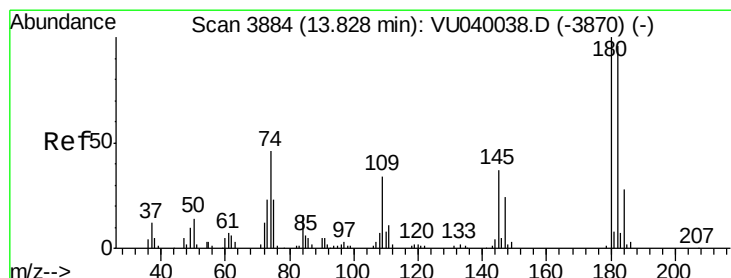
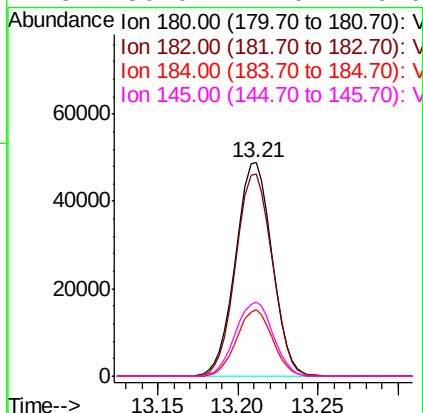
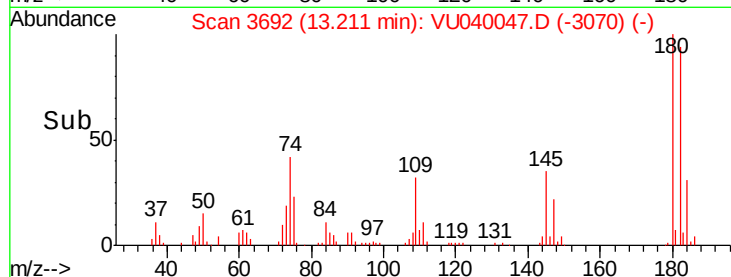
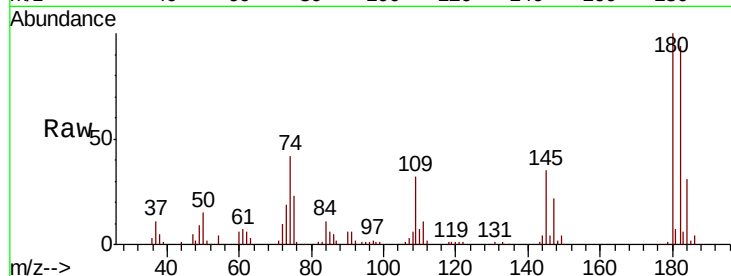




#67
 1,3,5-Trichlorobenzene
 Concen: 4.808 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040047.D
 Acq: 08 Sep 2020 10:43

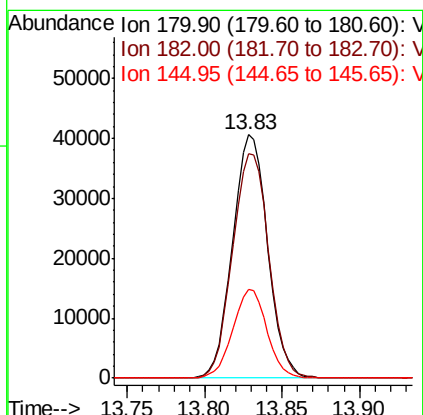
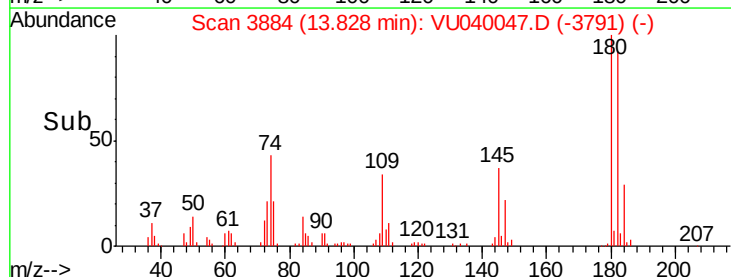
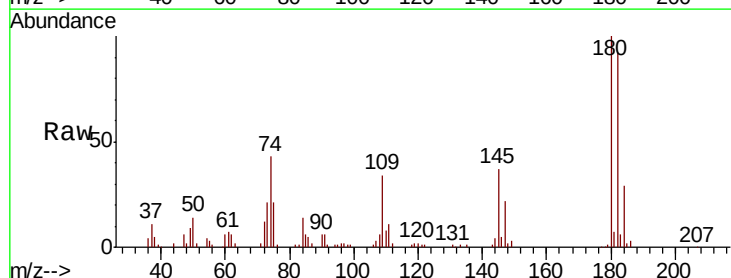
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

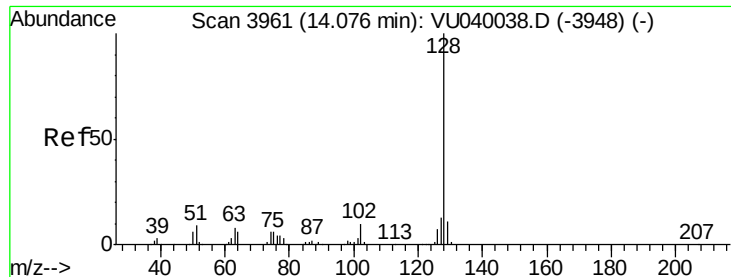
Tot Ion:180	Resp:	75880	
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.9	115.3
184	30.5	24.6	36.8
145	36.0	27.0	40.6



#68
 1,2,4-trichlorobenzene
 Concen: 4.695 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040047.D
 Acq: 08 Sep 2020 10:43

Tgt Ion:180	Resp: 63822
Ion Ratio	Lower Upper
180 100	
182 95.5	76.0 114.0
145 35.1	28.4 42.6





#69

Naphthalene

Concen: 4.347 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

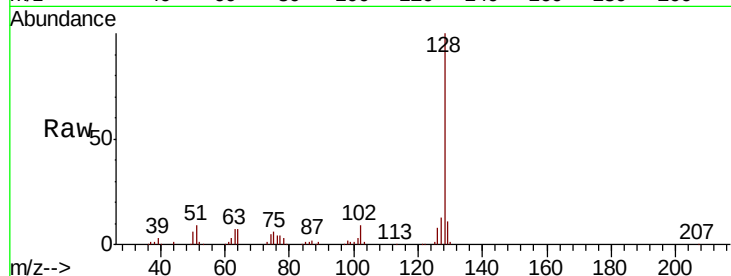
Tot Ion:128 Resp: 123191

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

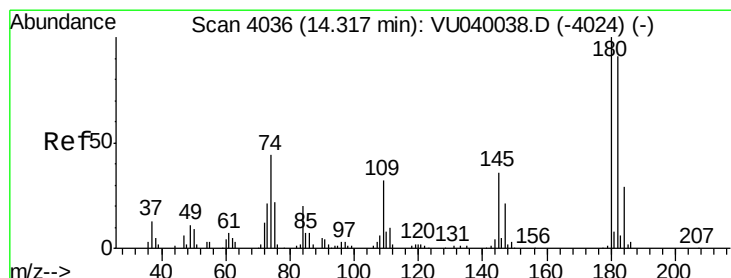
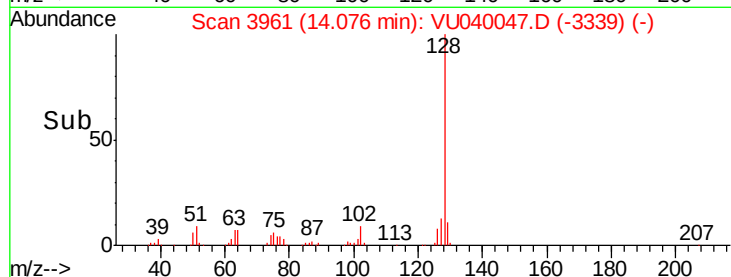
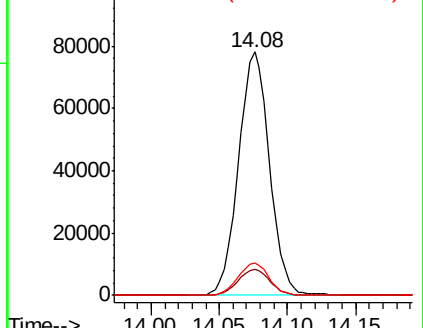
127 13.3 10.7 16.1



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: 4.744 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040047.D

Acq: 08 Sep 2020 10:43

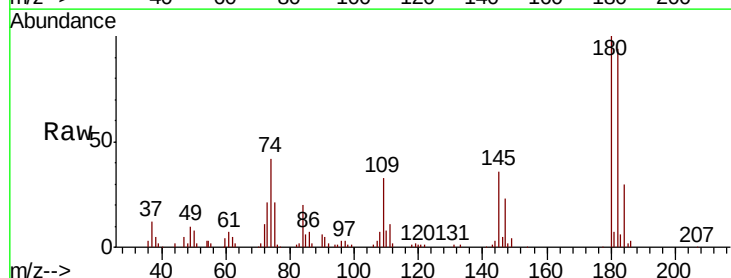
Tgt Ion:180 Resp: 59244

Ion Ratio Lower Upper

180 100

182 92.6 77.8 116.6

145 37.4 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

