

Data File : VU036842.D
Acq On : 19 Feb 2020 11:23
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Quant Time: Feb 20 04:43:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 19 13:22:01 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	109466	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	101347	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	46194	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	49987	5.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.20%
7) Chloroethane-d5	1.93	69	46573	5.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.00%
11) 1,1-Dichloroethene-d2	2.59	63	82789	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.20%
20) 2-Butanone-d5	4.68	46	117792	59.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.34%
24) Chloroform-d	5.11	84	85403	5.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.60%
26) 1,2-Dichloroethane-d4	5.74	65	45586	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
32) Benzene-d6	5.76	84	176628	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.60%
36) 1,2-Dichloropropane-d6	6.73	67	56410	5.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.40%
41) Toluene-d8	7.93	98	164871	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.00%
43) trans-1,3-Dichloropropene-	8.21	79	20585	5.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.40%
46) 2-Hexanone-d5	8.66	63	98618	56.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.62%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	43865	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	51114	5.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	38986	5.393 ug/L	98
3) Chloromethane	1.54	50	42910	5.703 ug/L	98
5) Vinyl chloride	1.62	62	47741	5.432 ug/L	99
6) Bromomethane	1.87	94	23857	4.517 ug/L	96
8) Chloroethane	1.95	64	31411	5.116 ug/L	99
9) Trichlorofluoromethane	2.16	101	59482	5.144 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	38596	5.227 ug/L	99
12) 1,1-Dichloroethene	2.60	96	34666	5.206 ug/L	92
13) Acetone	2.67	43	140393	55.614 ug/L	99
14) Carbon disulfide	2.82	76	79966	4.977 ug/L	100
15) Methyl Acetate	2.99	43	17605	5.256 ug/L	100
16) Methylene chloride	3.08	84	44719	3.984 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	103371	5.242 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	36821	5.359 ug/L	99
19) 1,1-Dichloroethane	3.91	63	78733	5.464 ug/L	99
21) 2-Butanone	4.76	43	165685	56.422 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	46473	5.589 ug/L	99

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MSVOA_U
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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	17889	5.412	ug/L	96
25) Chloroform	5.13	83	80543	5.234	ug/L	100
27) 1,2-Dichloroethane	5.84	62	52830	5.386	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	59537	5.349	ug/L	97
30) Cyclohexane	5.43	56	62850	5.316	ug/L	98
31) Carbon tetrachloride	5.56	117	46082	5.132	ug/L	95
33) Benzene	5.81	78	172701	5.525	ug/L	100
34) Trichloroethene	6.57	95	43965	5.522	ug/L	96
35) Methylcyclohexane	6.80	83	66379	5.254	ug/L	97
37) 1,2-Dichloropropane	6.83	63	47364	5.549	ug/L	99
38) Bromodichloromethane	7.14	83	56774	5.574	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	65442	5.299	ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	305349	55.438	ug/L	100
42) Toluene	8.00	91	186591	5.558	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	52920	5.483	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	33499	5.641	ug/L	95
47) Tetrachloroethene	8.58	164	28615	5.283	ug/L	95
48) 2-Hexanone	8.72	43	263267	55.853	ug/L	98
49) Dibromochloromethane	8.83	129	34171	5.564	ug/L	94
50) 1,2-Dibromoethane	8.95	107	29530	5.506	ug/L	97
51) Chlorobenzene	9.47	112	111039	5.346	ug/L	99
52) Ethylbenzene	9.59	91	201407	5.371	ug/L	99
53) m,p-Xylene	9.72	106	75093	5.442	ug/L	96
54) o-Xylene	10.12	106	73800	5.446	ug/L	97
55) Styrene	10.14	104	124246	5.439	ug/L	98
56) Isopropylbenzene	10.51	105	197011	5.432	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	43815	5.637	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	31152	5.528	ug/L	99
61) Bromoform	10.31	173	17058	5.360	ug/L	96
62) 1,3-Dichlorobenzene	11.76	146	83858	5.269	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	83710	5.306	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	81379	5.304	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	6507	5.683	ug/L	93
67) 1,3,5-Trichlorobenzene	13.25	180	59177	5.281	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	44626	5.282	ug/L	94
69) Naphthalene	14.12	128	74523	4.868	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	41138	5.425	ug/L	98

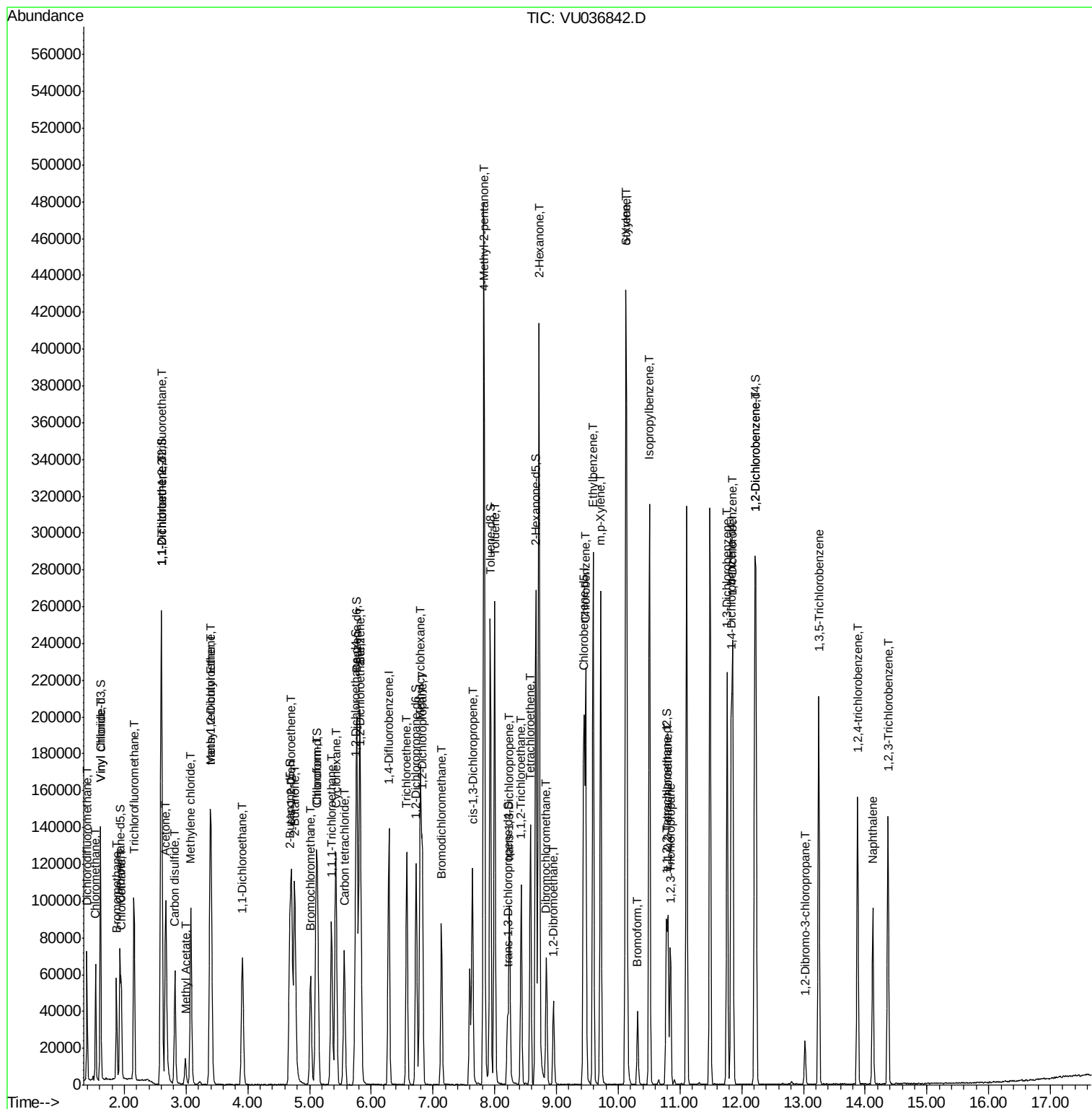
(#) = qualifier out of range (m) = manual integration (+) = signals summed

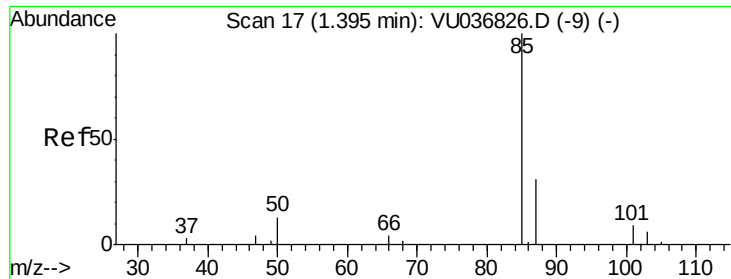
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ClientSampleId :
VSTD00524

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#2

Dichlorodifluoromethane

Concen: 5.393 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

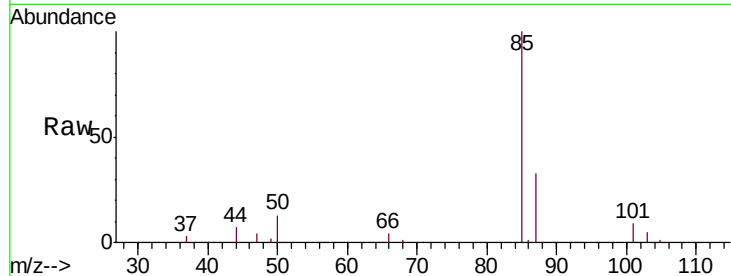
VSTD00524

Tgt Ion: 85 Resp: 38986

Ion Ratio Lower Upper

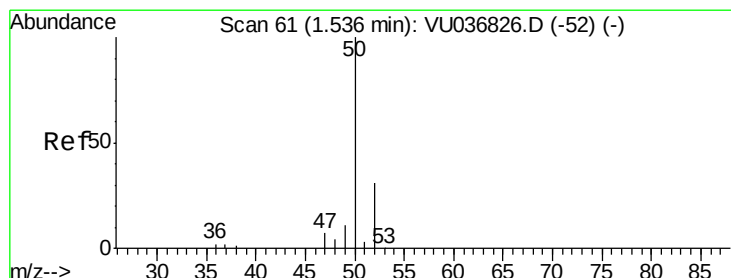
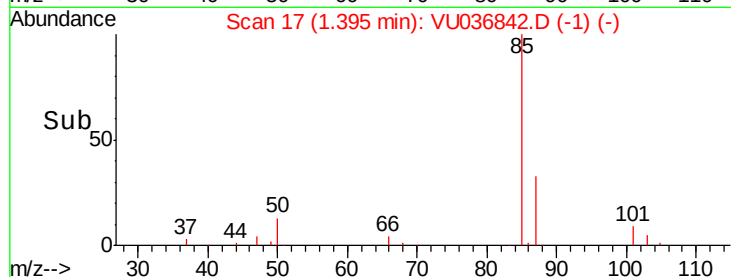
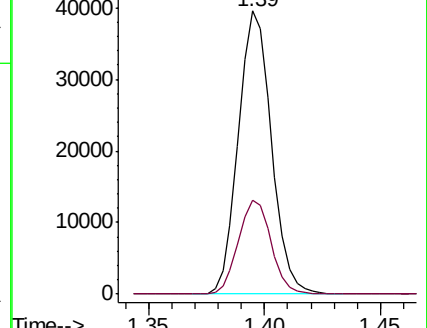
85 100

87 33.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036842.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036842.D (-9) (-)



#3

Chloromethane

Concen: 5.703 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036842.D

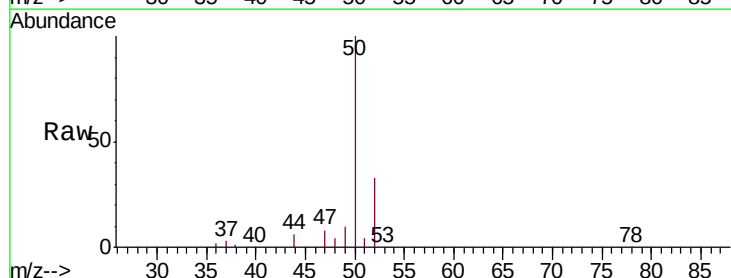
Acq: 19 Feb 2020 11:23

Tgt Ion: 50 Resp: 42910

Ion Ratio Lower Upper

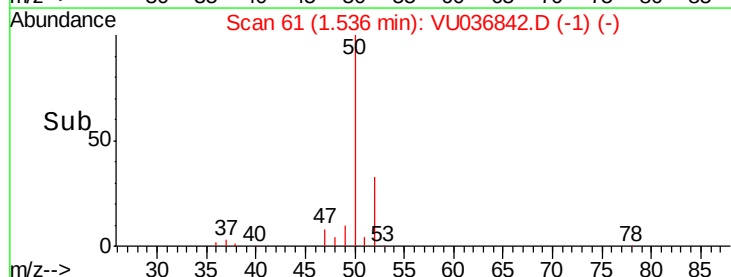
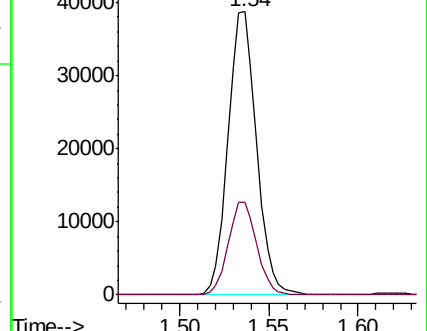
50 100

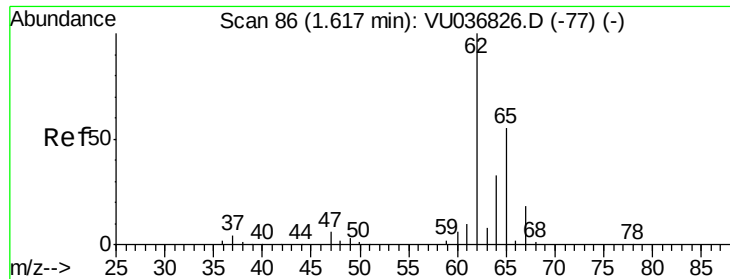
52 32.8 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036842.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036842.D (-52) (-)





#5

Vinyl chloride

Concen: 5.432 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

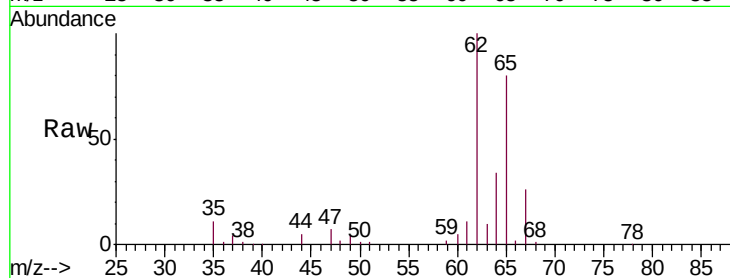
VSTD00524

Tgt Ion: 62 Resp: 47741

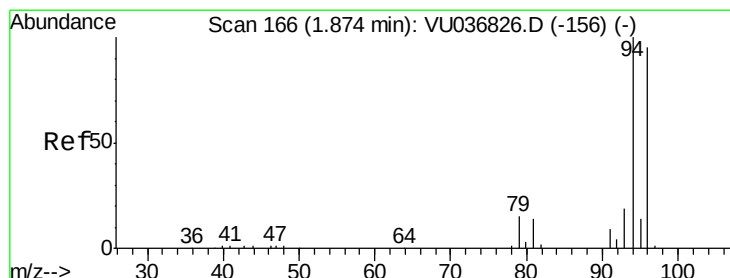
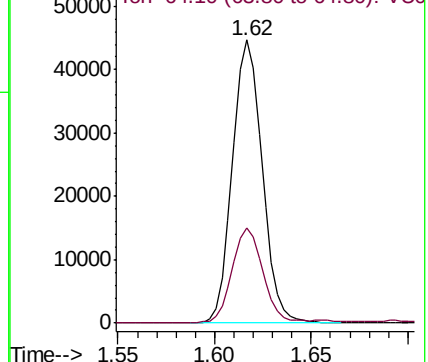
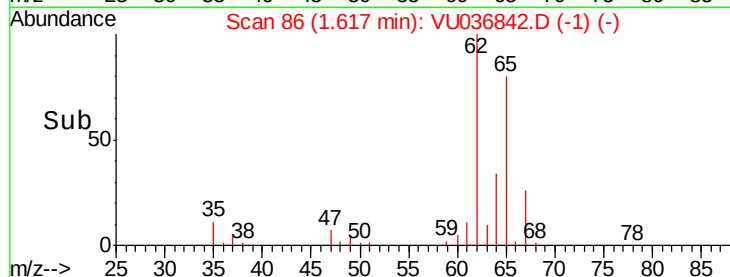
Ion Ratio Lower Upper

62 100

64 33.6 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU036842.D (-1) (-)



#6

Bromomethane

Concen: 4.517 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036842.D

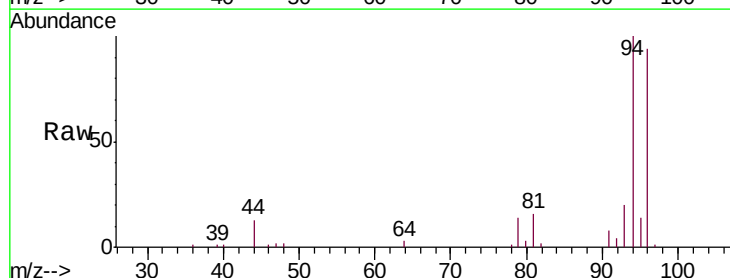
Acq: 19 Feb 2020 11:23

Tgt Ion: 94 Resp: 23857

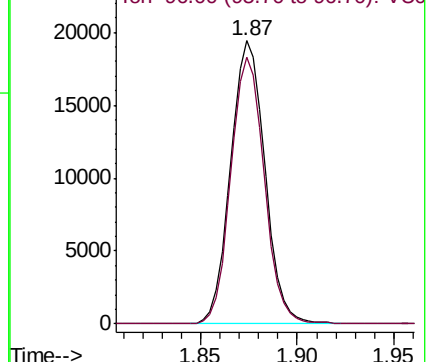
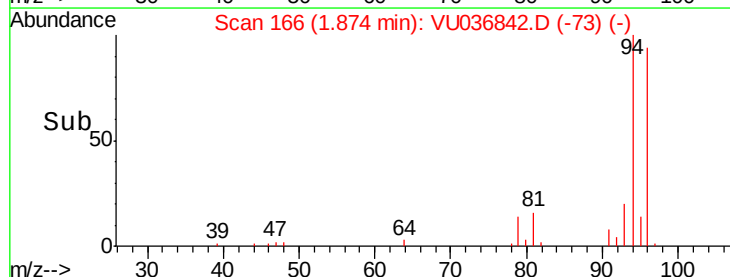
Ion Ratio Lower Upper

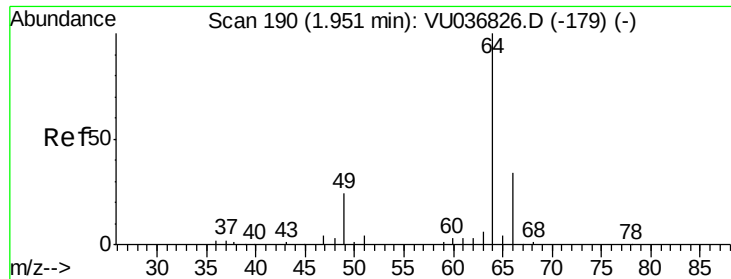
94 100

96 94.3 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU036842.D (-73) (-)





#8

Chloroethane

Concen: 5.116 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

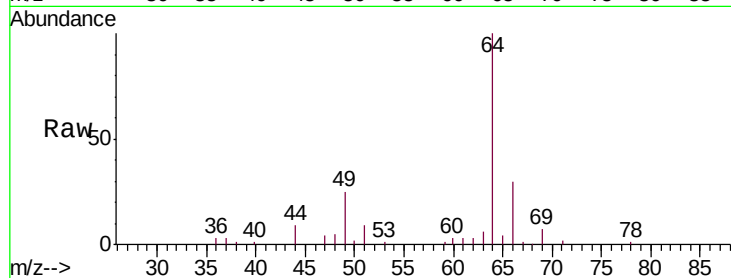
VSTD00524

Tgt Ion: 64 Resp: 31411

Ion Ratio Lower Upper

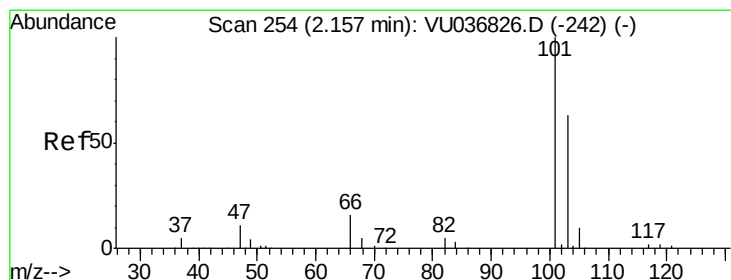
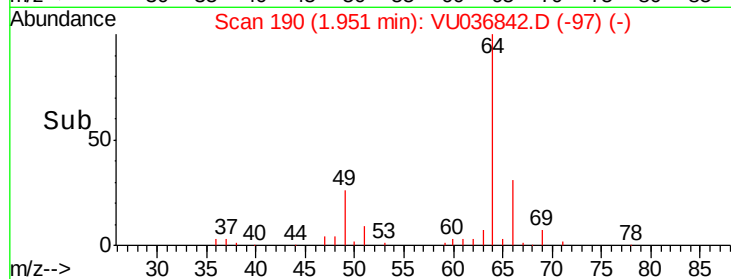
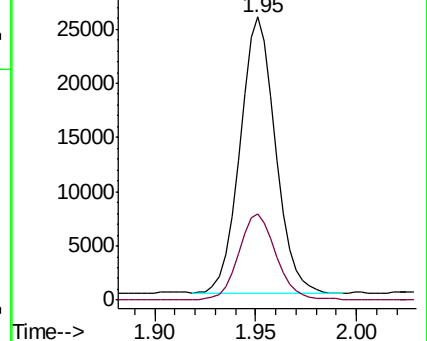
64 100

66 30.4 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU036842.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU036842.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 5.144 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036842.D

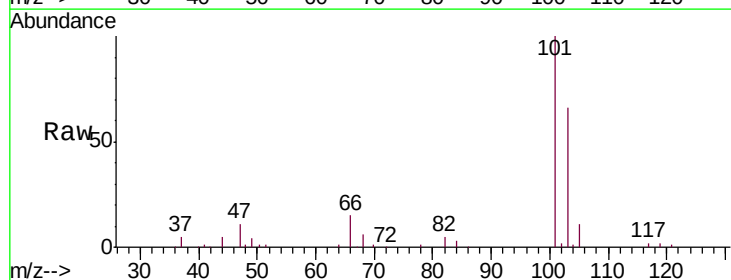
Acq: 19 Feb 2020 11:23

Tgt Ion: 101 Resp: 59482

Ion Ratio Lower Upper

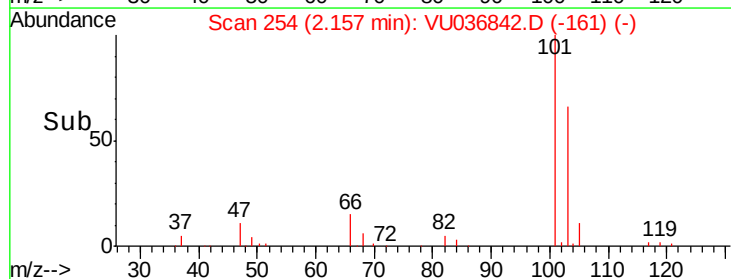
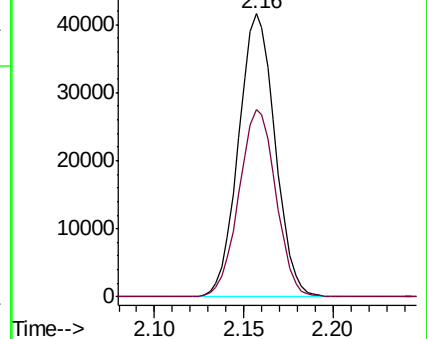
101 100

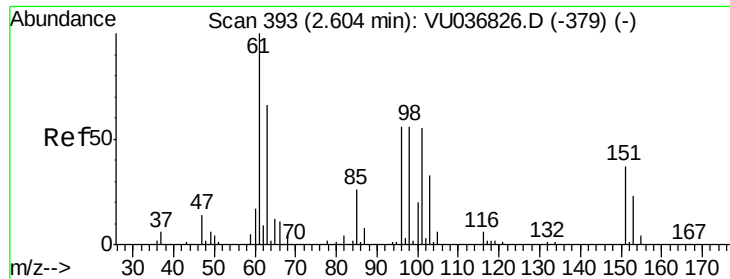
103 67.1 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU036842.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU036842.D (-242) (-)





#10

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

Concen: 5.227 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

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ClientSampleId :

VSTD00524

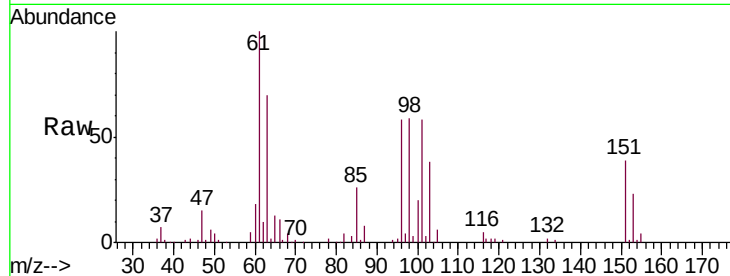
Tgt Ion: 101 Resp: 38596

Ion Ratio Lower Upper

101 100

85 45.0 36.4 54.6

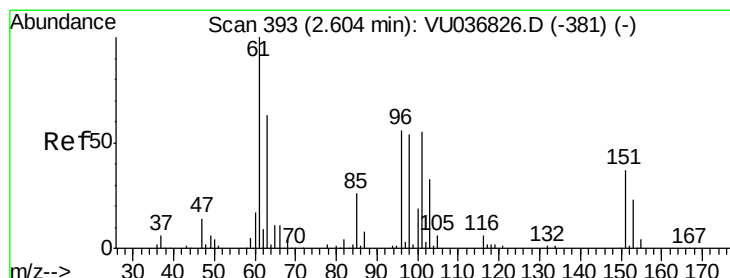
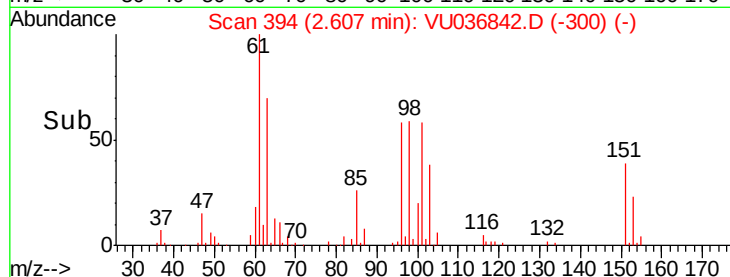
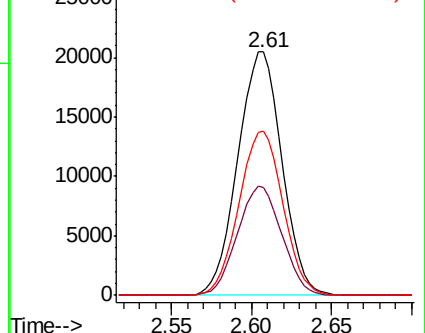
151 67.2 54.0 81.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.206 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

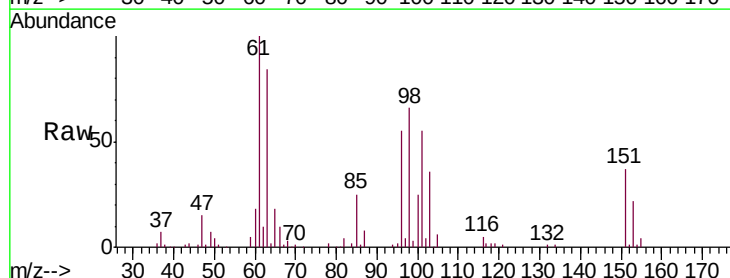
Tgt Ion: 96 Resp: 34666

Ion Ratio Lower Upper

96 100

61 180.3 126.4 234.8

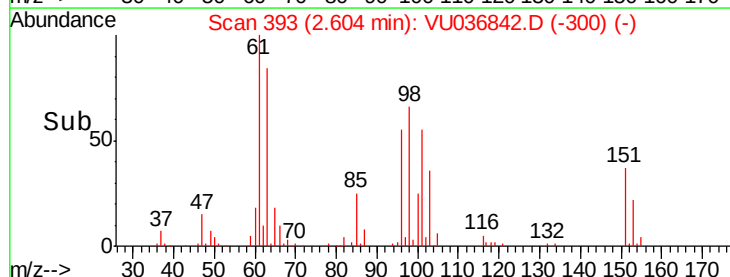
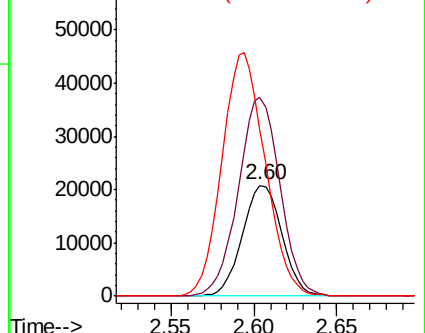
63 151.0 89.5 166.3

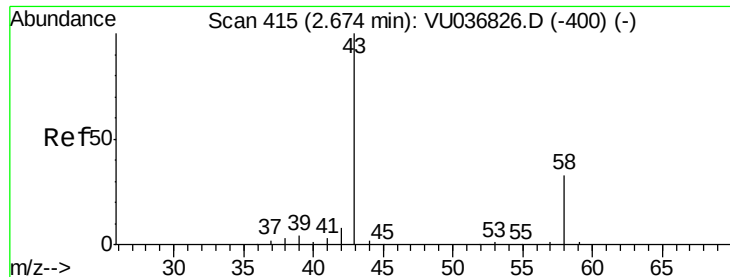


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.614 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

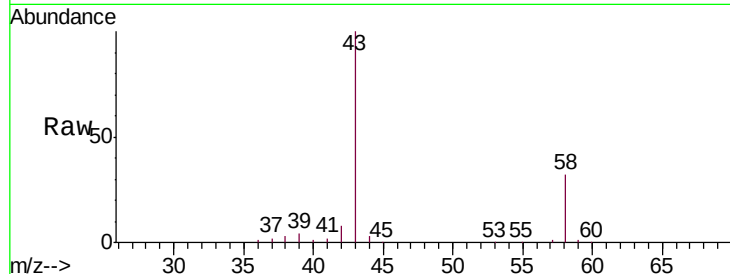
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tgt Ion: 43 Resp: 140393

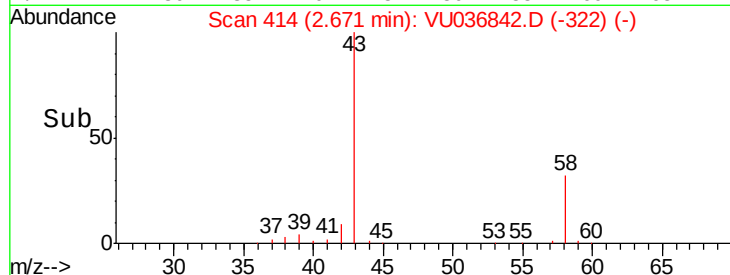
Ion Ratio Lower Upper

43 100

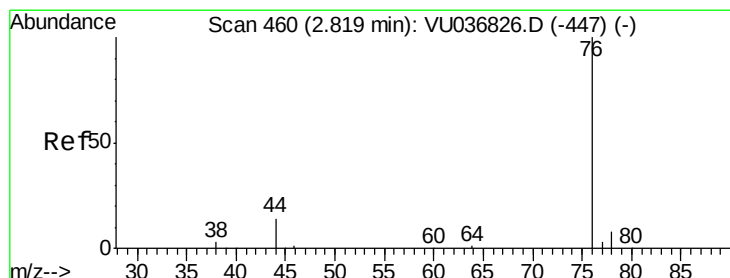
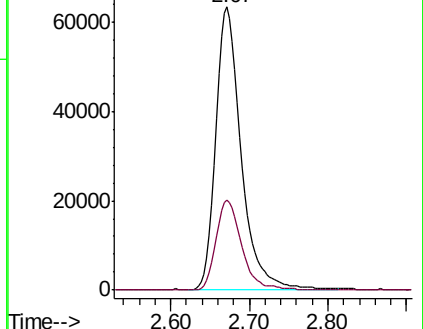
58 32.5 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036842.D (-322) (-)



Ion 58.05 (57.75 to 58.75): VU036842.D (-322) (-)



#14

Carbon disulfide

Concen: 4.977 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036842.D

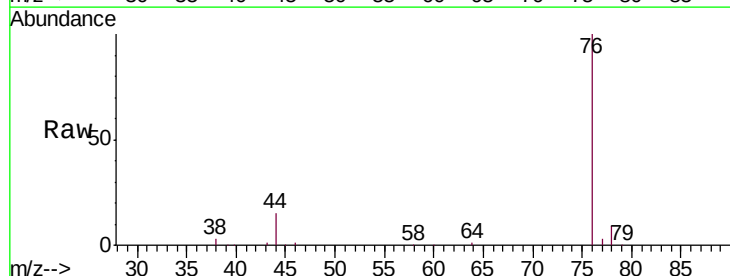
Acq: 19 Feb 2020 11:23

Tgt Ion: 76 Resp: 79966

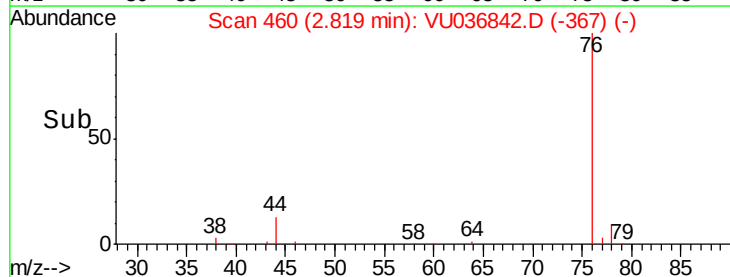
Ion Ratio Lower Upper

76 100

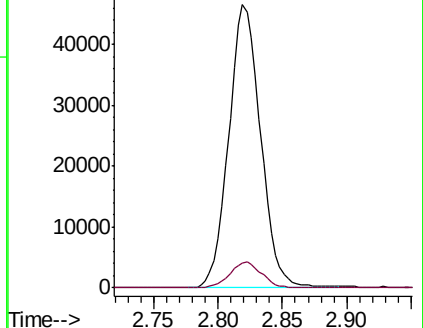
78 9.0 7.2 10.8

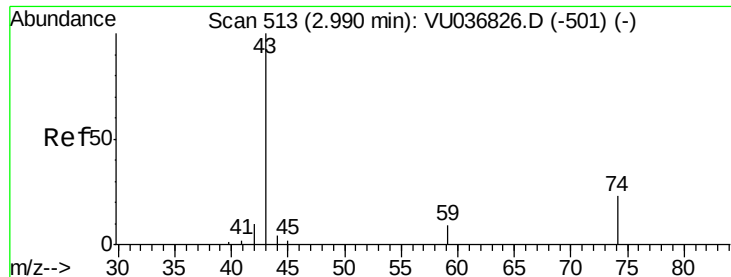


Abundance Ion 76.05 (75.75 to 76.75): VU036842.D (-367) (-)



Ion 78.00 (77.70 to 78.70): VU036842.D (-367) (-)

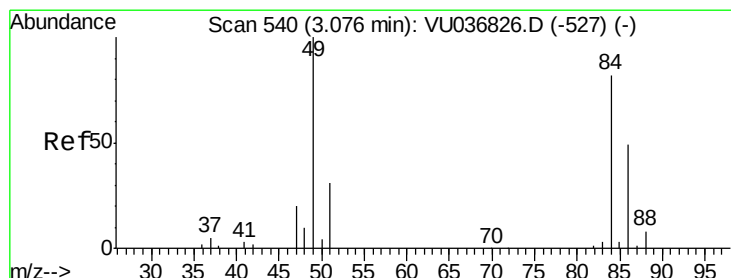
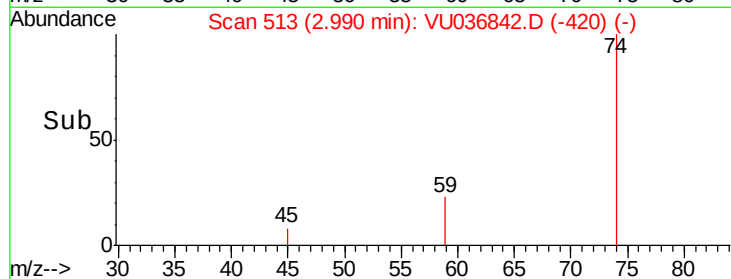
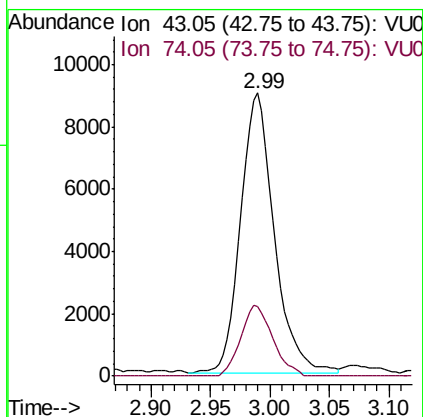
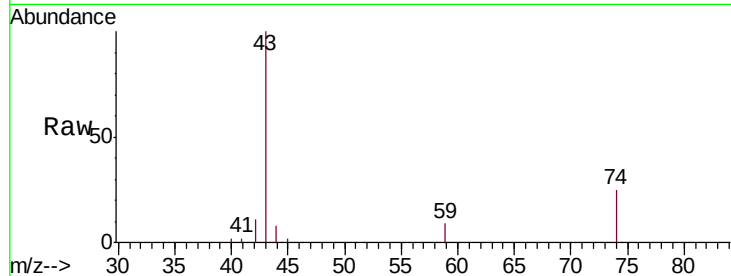




#15
Methyl Acetate
Concen: 5.256 ug/L
RT: 2.99 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU036842.D
Acq: 19 Feb 2020 11:23

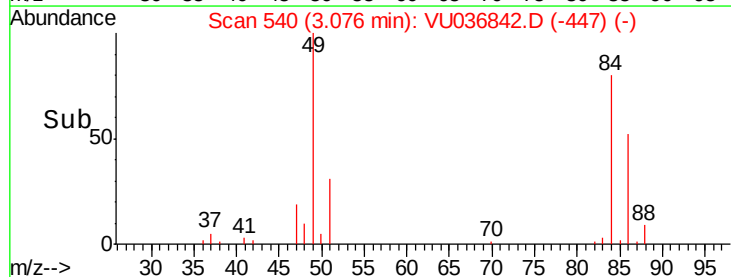
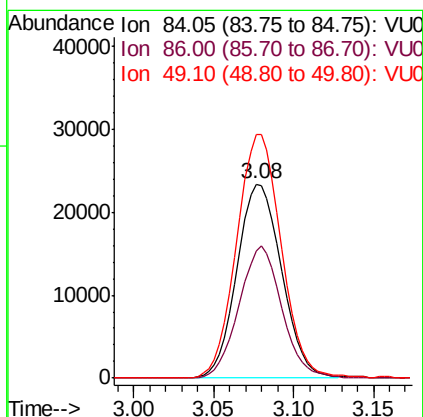
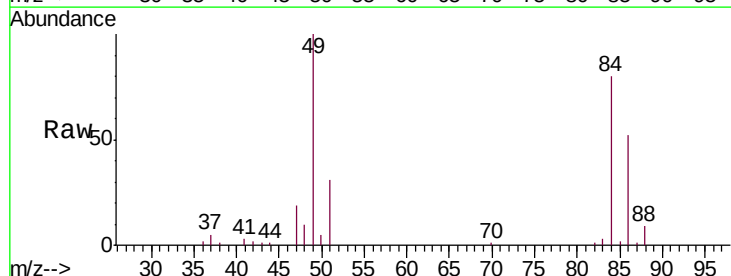
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

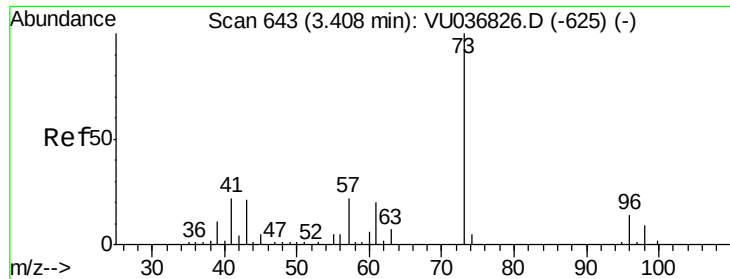
Tgt Ion: 43 Resp: 17605
Ion Ratio Lower Upper
43 100
74 23.9 19.0 28.4



#16
Methylene chloride
Concen: 3.984 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU036842.D
Acq: 19 Feb 2020 11:23

Tgt Ion: 84 Resp: 44719
Ion Ratio Lower Upper
84 100
86 65.8 44.7 82.9
49 125.4 86.7 160.9

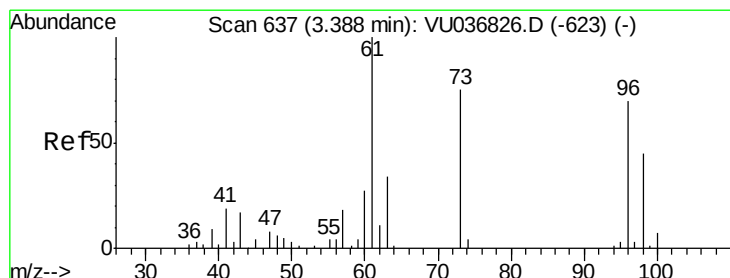
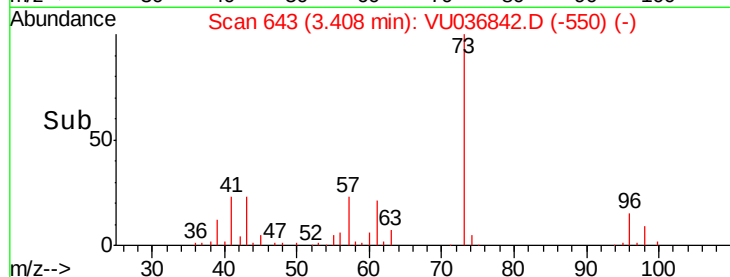
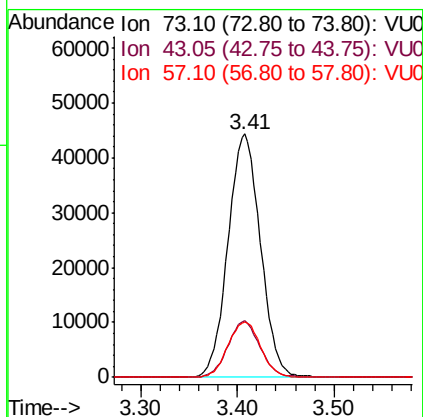
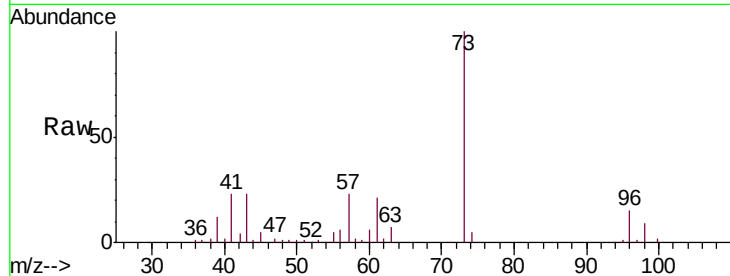




#17
Methyl tert-butyl Ether
Concen: 5.242 ug/L
RT: 3.41 min Scan# 643
Delta R.T. -0.00 min
Lab File: VU036842.D
Acq: 19 Feb 2020 11:23

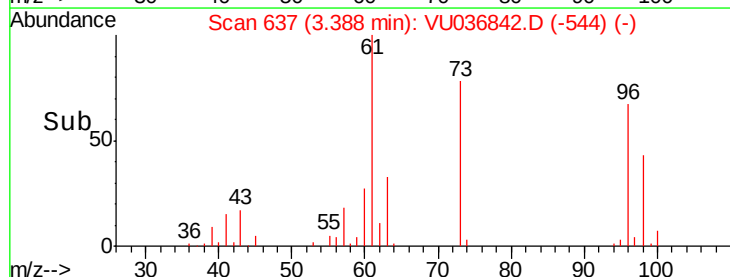
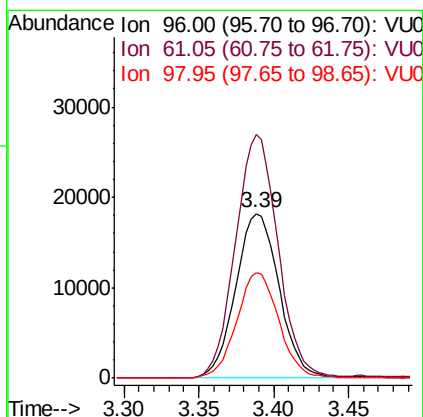
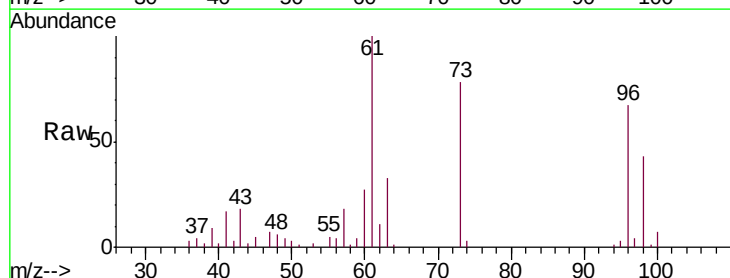
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

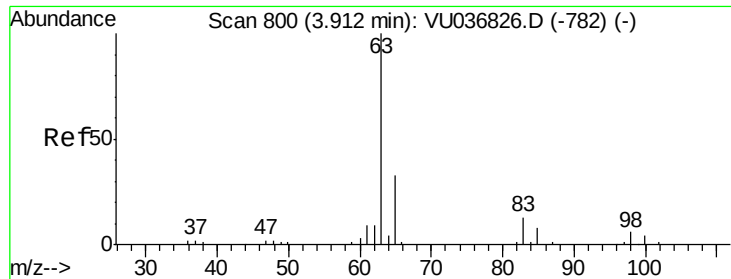
Tgt Ion: 73 Resp: 103371
Ion Ratio Lower Upper
73 100
43 23.1 18.7 28.1
57 22.9 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.359 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU036842.D
Acq: 19 Feb 2020 11:23

Tgt Ion: 96 Resp: 36821
Ion Ratio Lower Upper
96 100
61 148.2 102.6 190.5
98 64.2 44.5 82.7

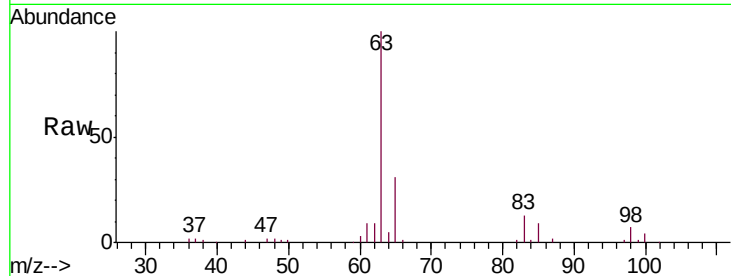




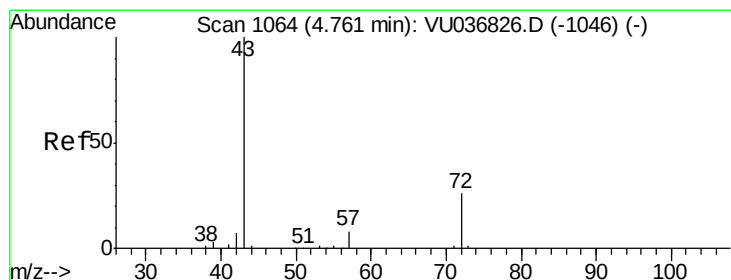
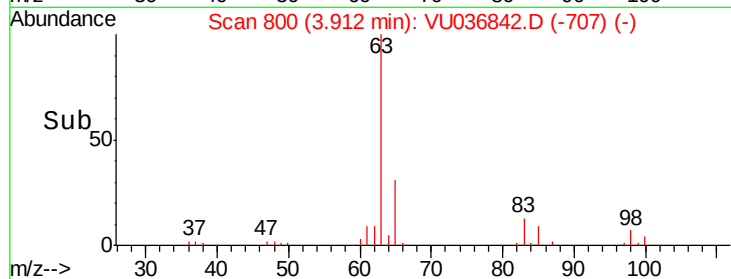
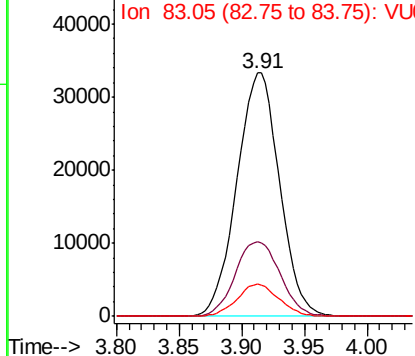
#19
 1,1-Dichloroethane
 Concen: 5.464 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tgt Ion: 63 Resp: 78733
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.6 40.2
 83 13.2 8.8 16.3

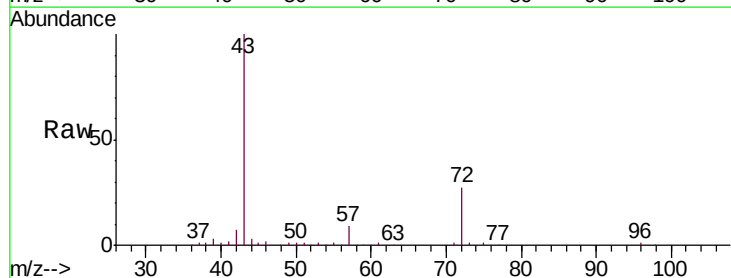


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

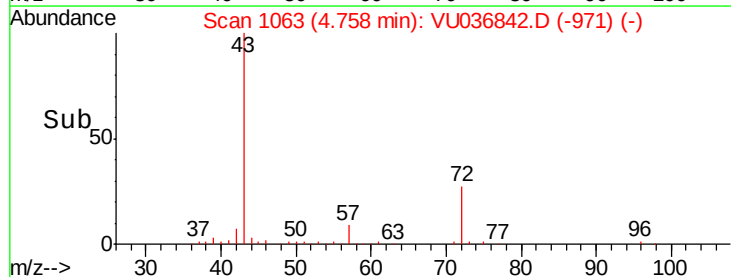
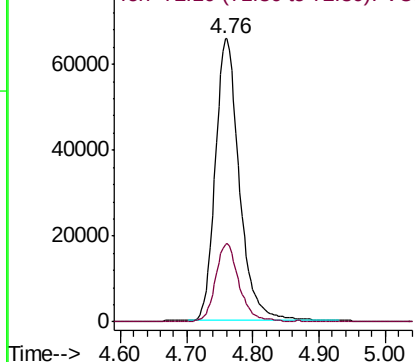


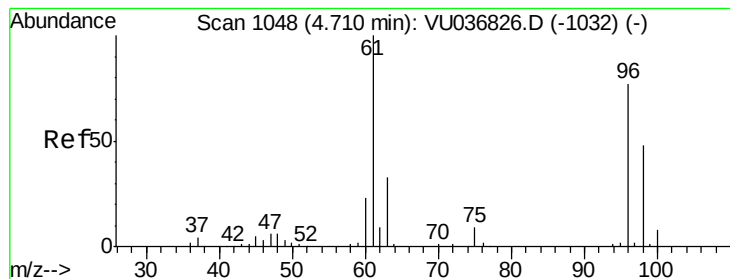
#21
 2-Butanone
 Concen: 56.422 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

Tgt Ion: 43 Resp: 165685
 Ion Ratio Lower Upper
 43 100
 72 27.4 14.0 41.9



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.589 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

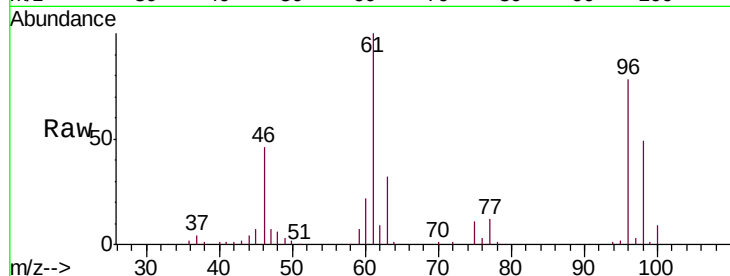
Tgt Ion: 96 Resp: 46473

Ion Ratio Lower Upper

96 100

61 128.8 91.2 169.4

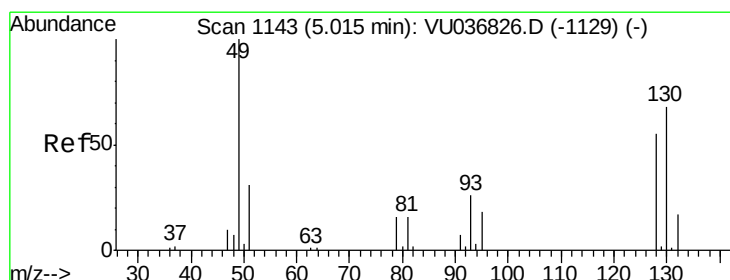
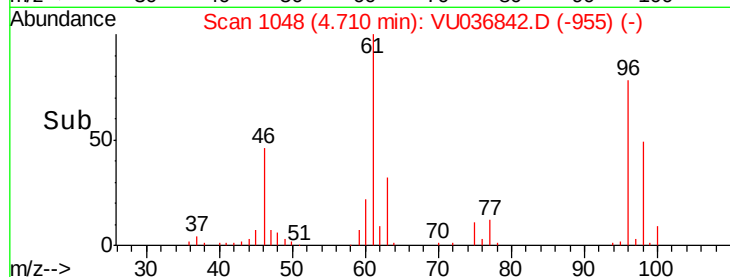
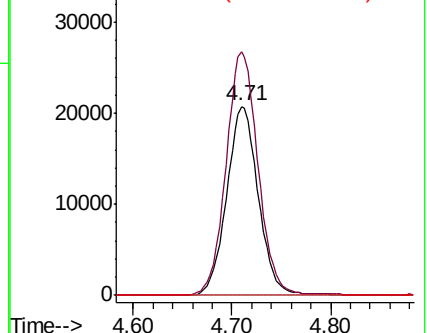
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036842.D (-955) (-)

Ion 61.05 (60.75 to 61.75): VU036842.D (-955) (-)

Ion 68.15 (67.85 to 68.85): VU036842.D (-955) (-)



#23

Bromochloromethane

Concen: 5.412 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

Tgt Ion: 128 Resp: 17889

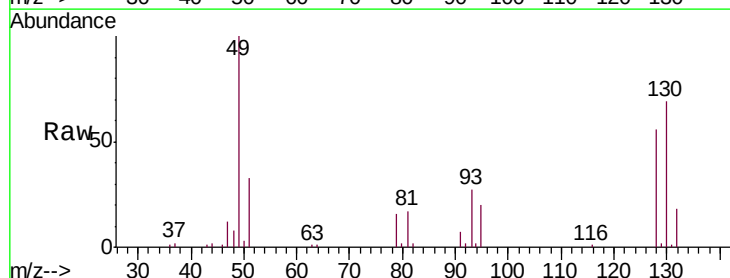
Ion Ratio Lower Upper

128 100

49 179.8 132.4 245.8

130 124.4 89.0 165.2

51 59.2 45.6 68.4

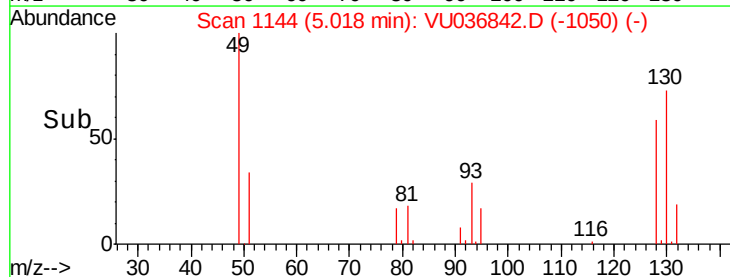
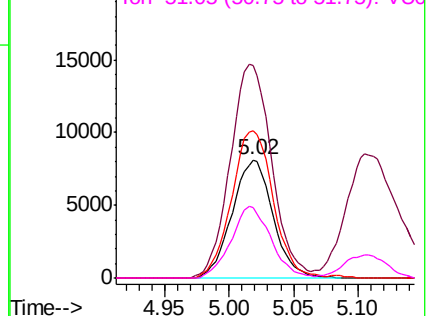


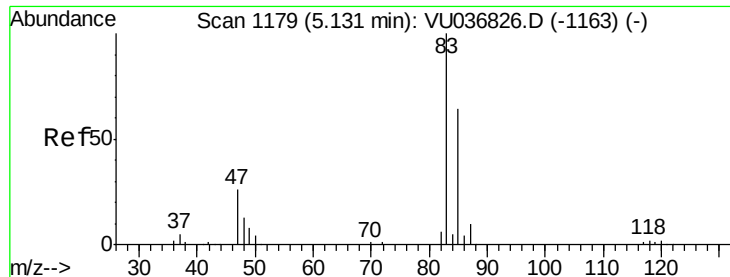
Abundance Ion 127.90 (127.60 to 128.60): VU036842.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU036842.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU036842.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU036842.D (-1050) (-)

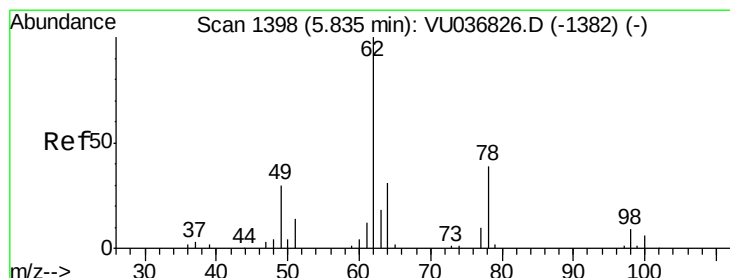
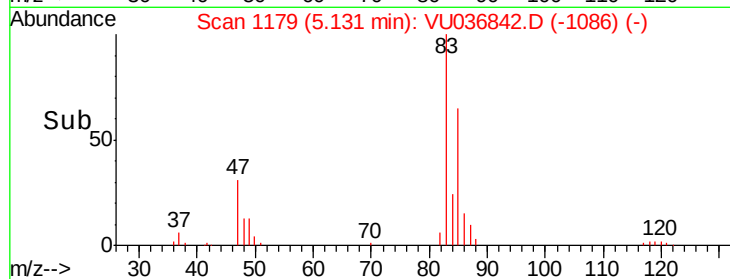
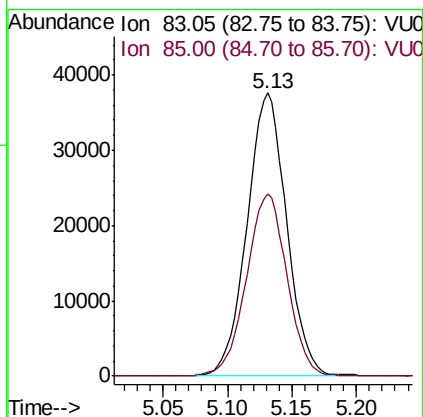
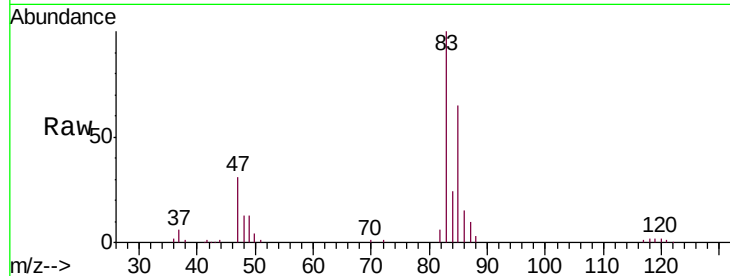




#25
Chloroform
Concen: 5.234 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036842.D
Acq: 19 Feb 2020 11:23

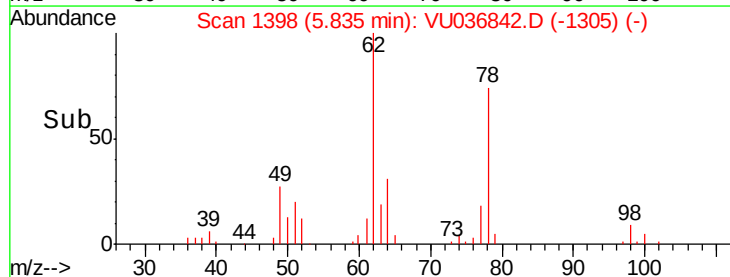
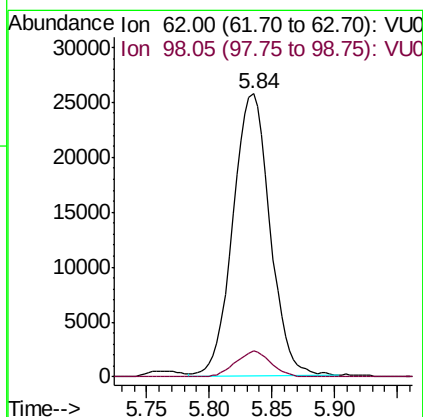
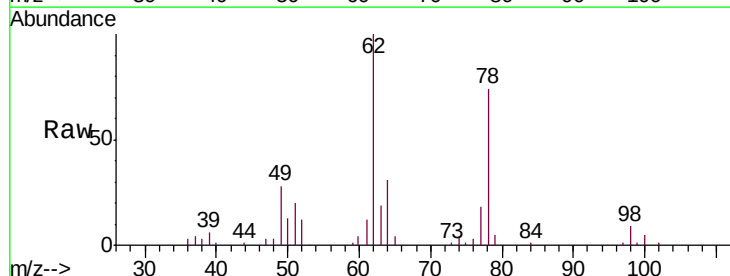
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

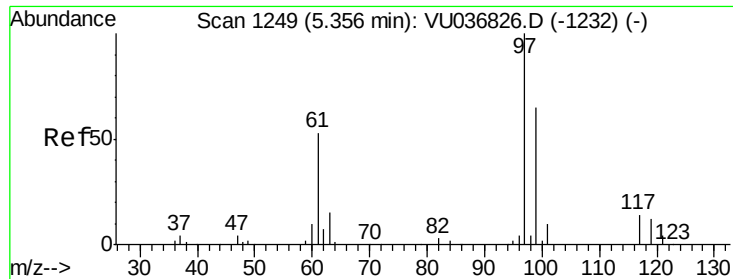
Tgt Ion: 83 Resp: 80543
Ion Ratio Lower Upper
83 100
85 64.6 45.4 84.2



#27
1,2-Dichloroethane
Concen: 5.386 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036842.D
Acq: 19 Feb 2020 11:23

Tgt Ion: 62 Resp: 52830
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.4

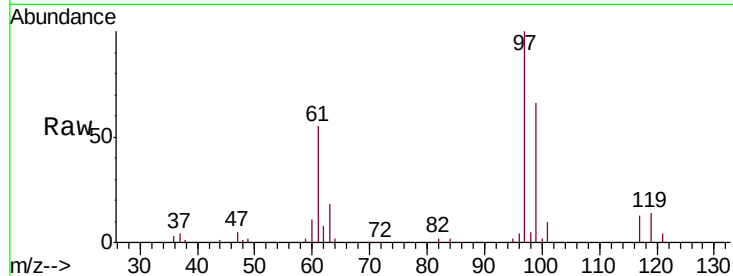




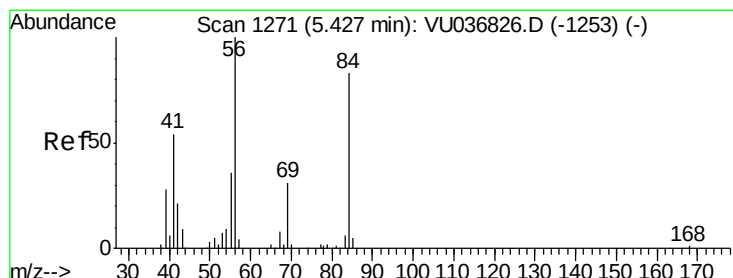
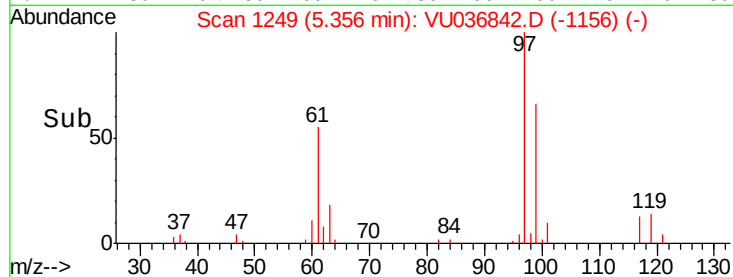
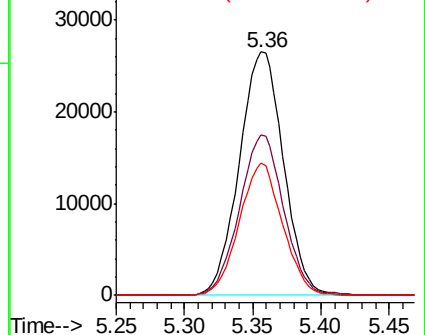
#29
 1,1,1-Trichloroethane
 Concen: 5.349 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tgt Ion:	97	Resp:	59537
Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.0	76.4
61	53.2	41.6	62.4

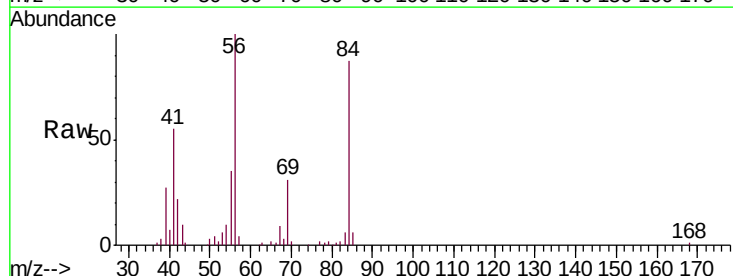


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

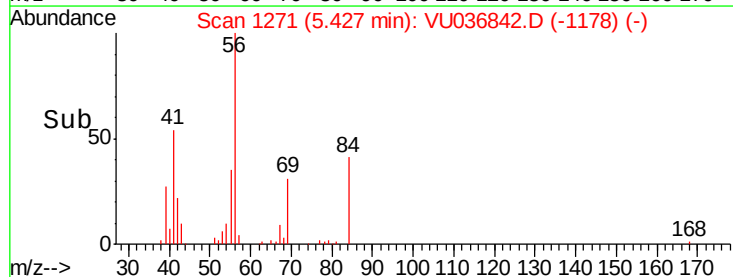
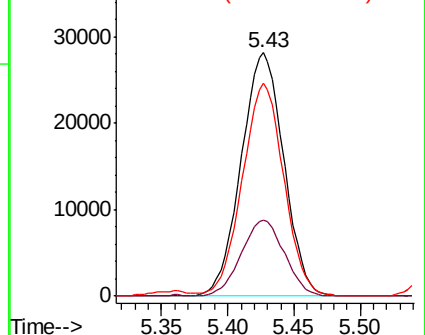


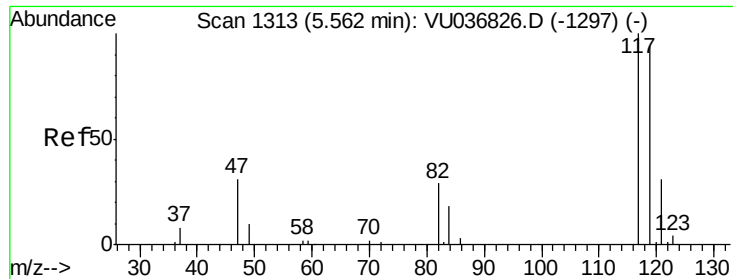
#30
 Cyclohexane
 Concen: 5.316 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

Tgt Ion:	56	Resp:	62850
Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.6	37.0
84	85.3	70.0	105.0



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





#31

Carbon tetrachloride

Concen: 5.132 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

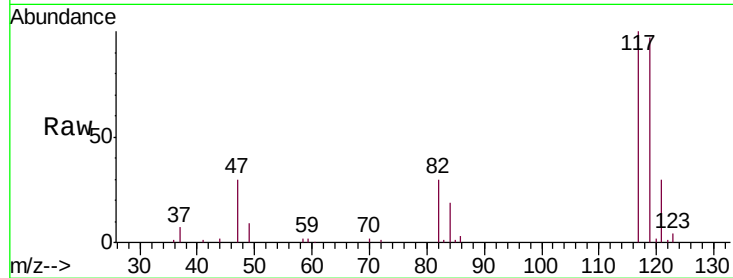
VSTD00524

Tgt Ion:117 Resp: 46082

Ion Ratio Lower Upper

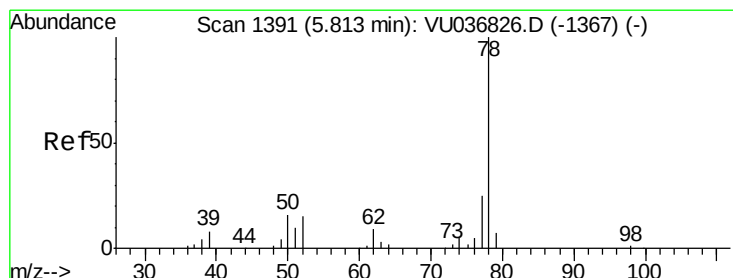
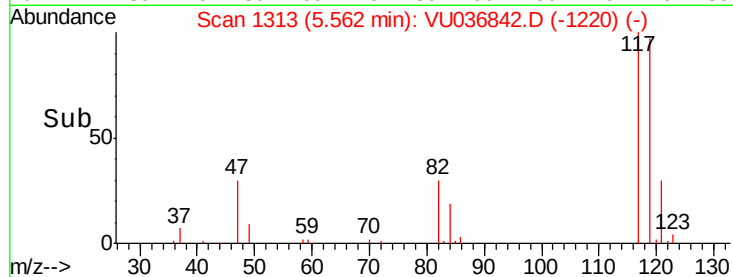
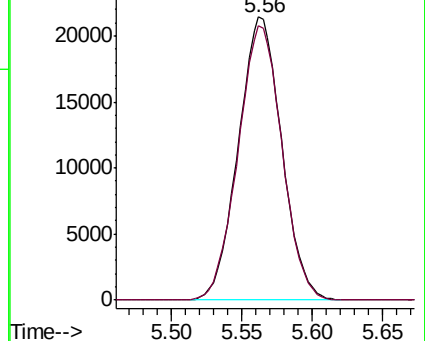
117 100

119 97.9 74.5 111.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.525 ug/L

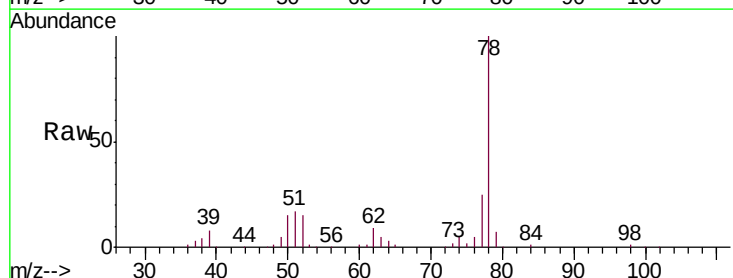
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

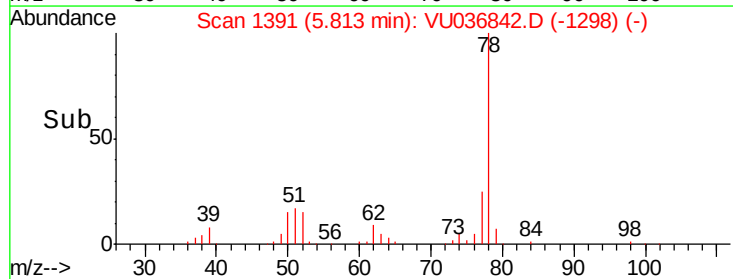
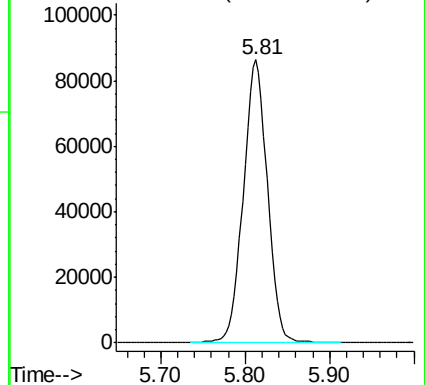
Lab File: VU036842.D

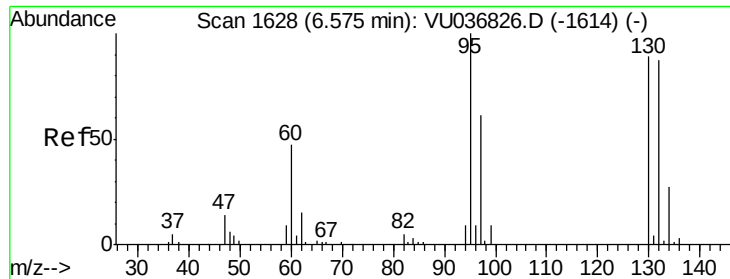
Acq: 19 Feb 2020 11:23

Tgt Ion: 78 Resp: 172701



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.522 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

Tgt Ion: 95 Resp: 43965

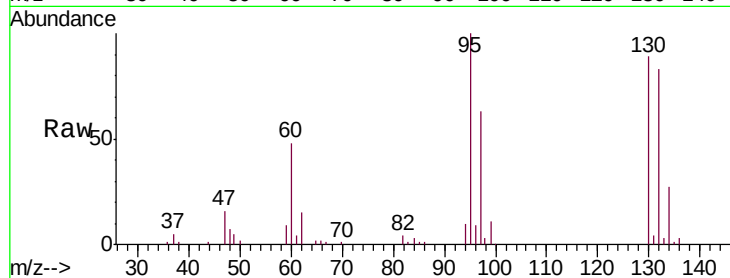
Ion Ratio Lower Upper

95 100

97 62.8 45.6 84.8

132 83.3 62.8 116.6

130 88.5 63.8 118.4

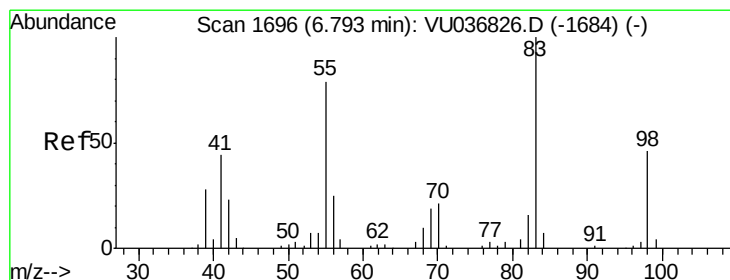
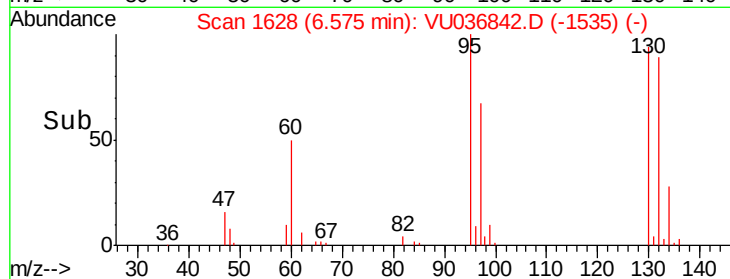
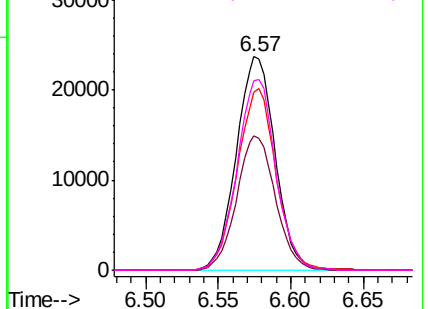


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.254 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

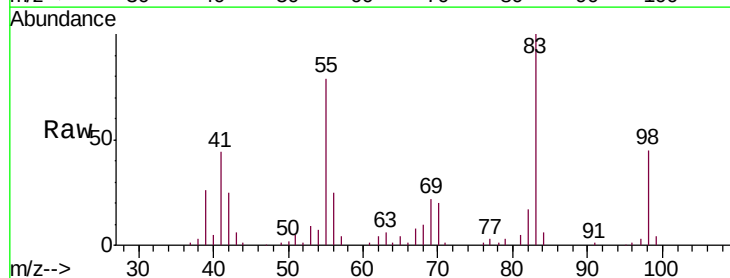
Tgt Ion: 83 Resp: 66379

Ion Ratio Lower Upper

83 100

55 79.5 61.0 91.4

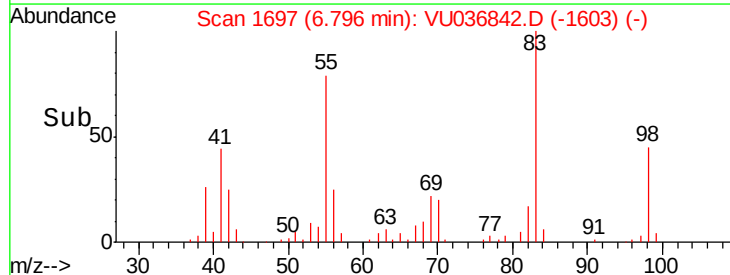
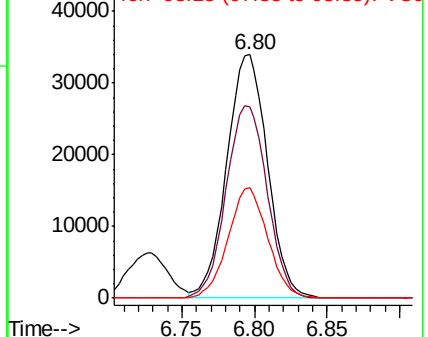
98 44.0 34.2 51.4

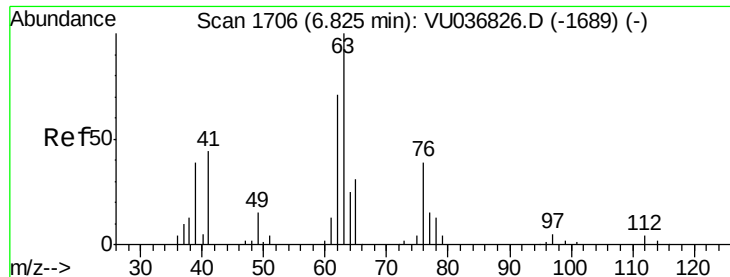


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

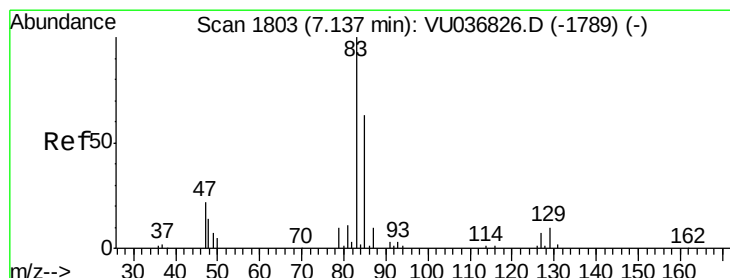
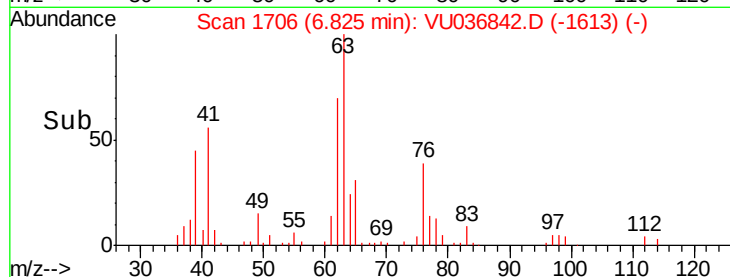
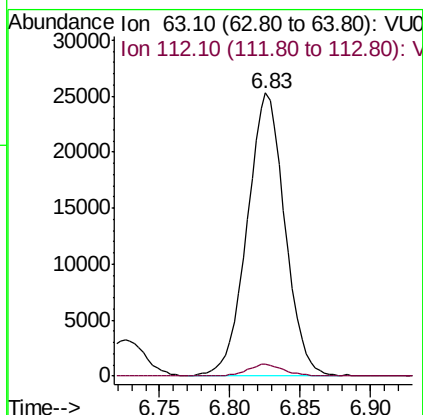
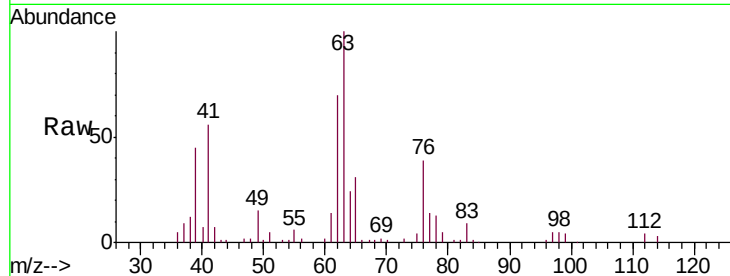




#37
 1,2-Dichloropropane
 Concen: 5.549 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

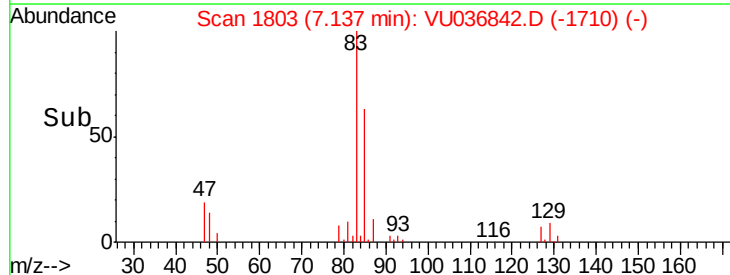
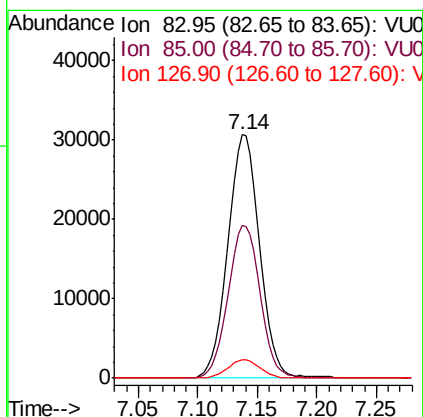
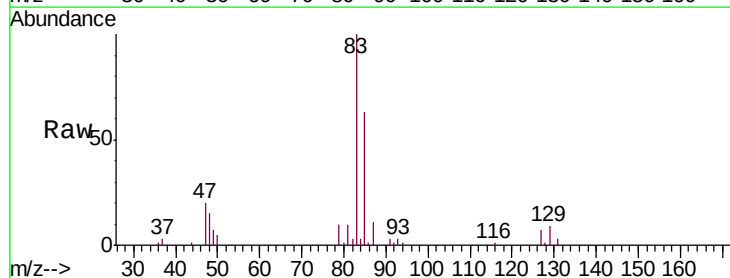
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

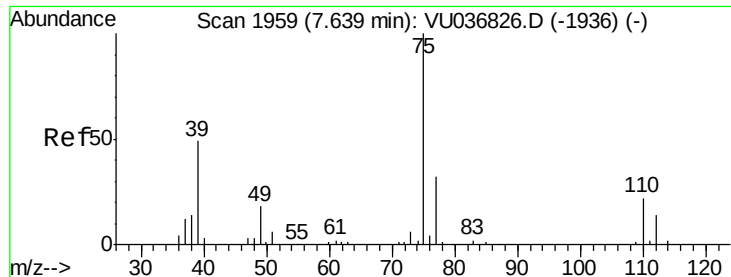
Tgt Ion: 63 Resp: 47364
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.4



#38
 Bromodichloromethane
 Concen: 5.574 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

Tgt Ion: 83 Resp: 56774
 Ion Ratio Lower Upper
 83 100
 85 62.7 43.0 80.0
 127 7.3 6.3 9.5

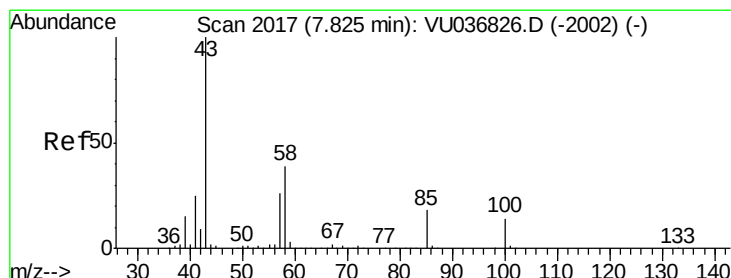
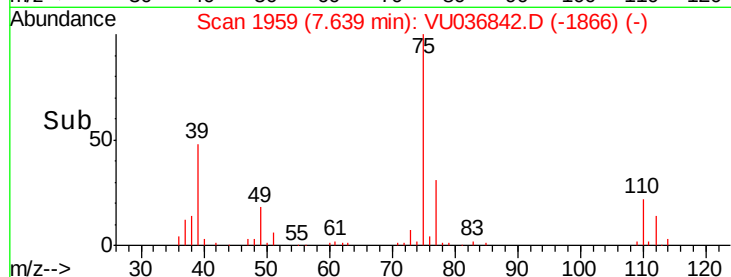
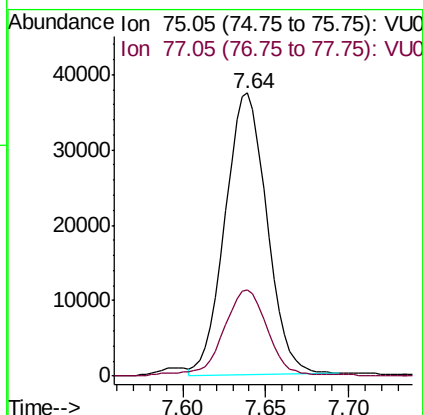
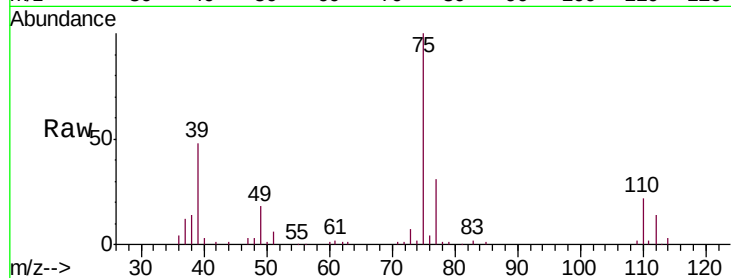




#39
 cis-1,3-Dichloropropene
 Concen: 5.299 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

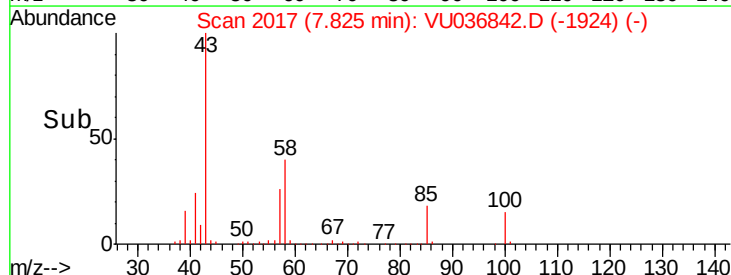
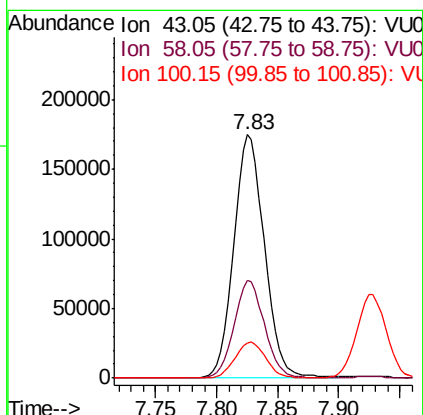
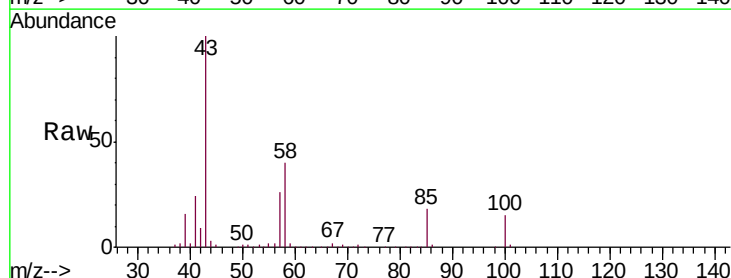
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

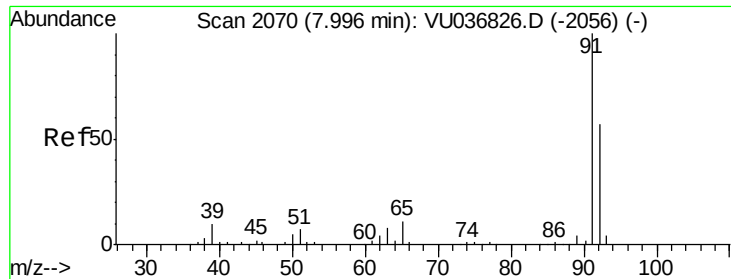
Tgt Ion: 75 Resp: 65442
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 55.438 ug/L
 RT: 7.83 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

Tgt Ion: 43 Resp: 305349
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.0 48.0
 100 14.9 11.8 17.8





#42

Toluene

Concen: 5.558 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

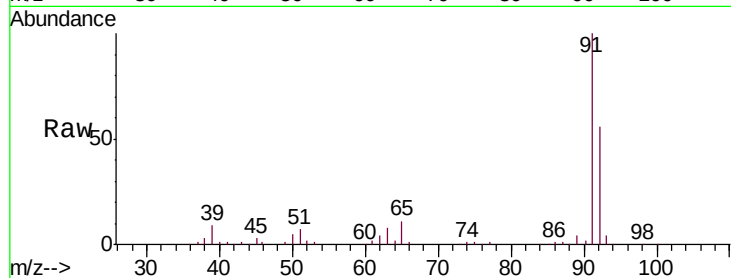
VSTD00524

Tgt Ion: 91 Resp: 186591

Ion Ratio Lower Upper

91 100

92 56.4 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036826.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036826.D (-2056) (-)

8.00

120000

100000

80000

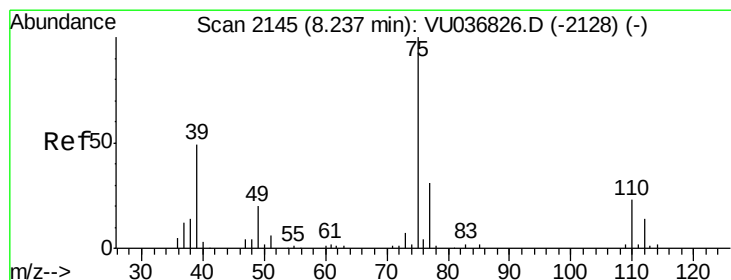
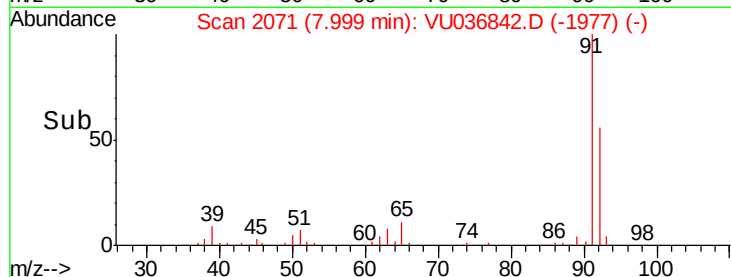
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.483 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU036842.D

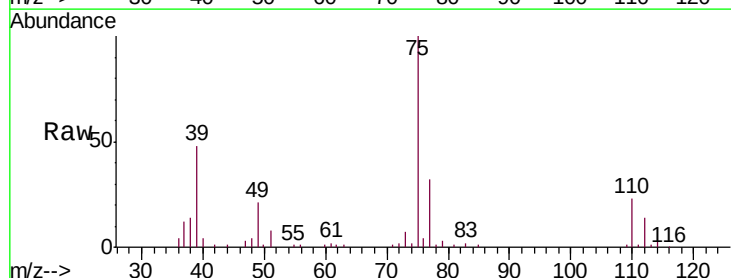
Acq: 19 Feb 2020 11:23

Tgt Ion: 75 Resp: 52920

Ion Ratio Lower Upper

75 100

77 32.0 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036826.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU036826.D (-2128) (-)

8.24

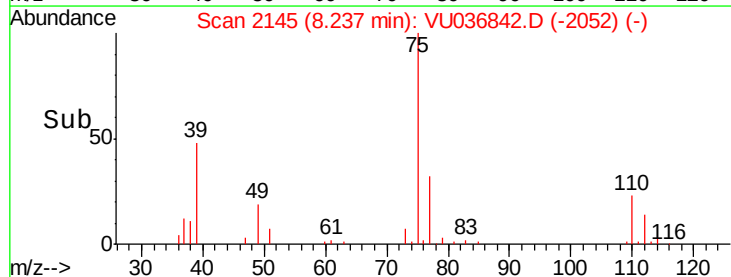
30000

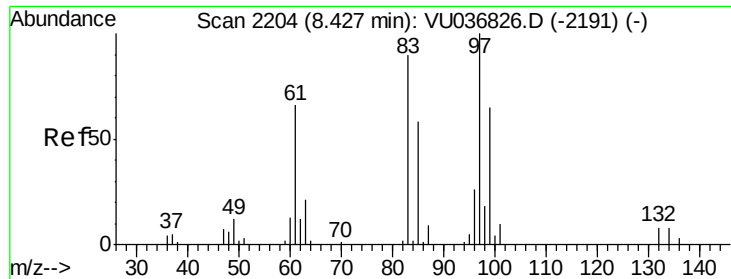
20000

10000

0

Time-->

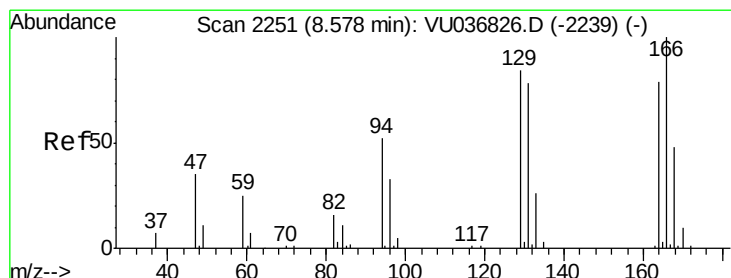
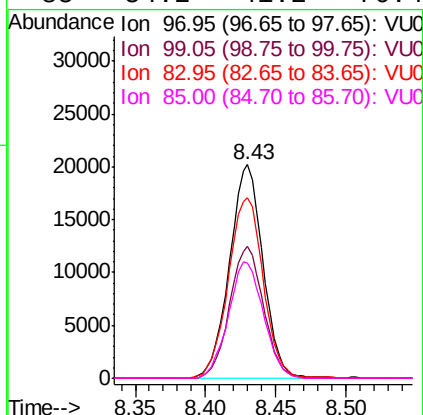
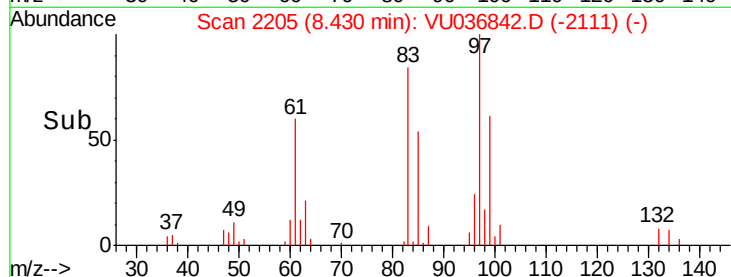
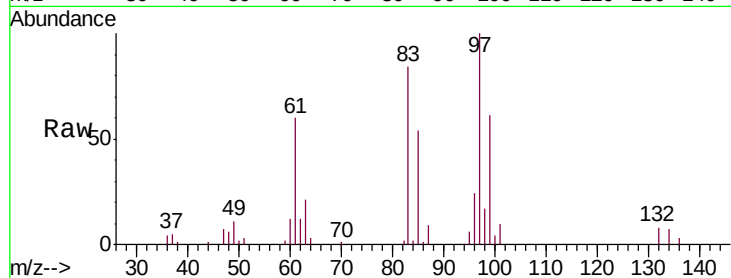




#45
 1,1,2-Trichloroethane
 Concen: 5.641 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

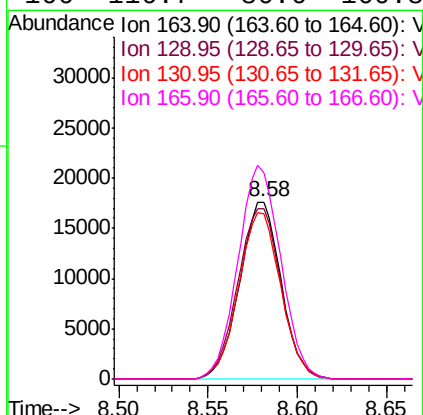
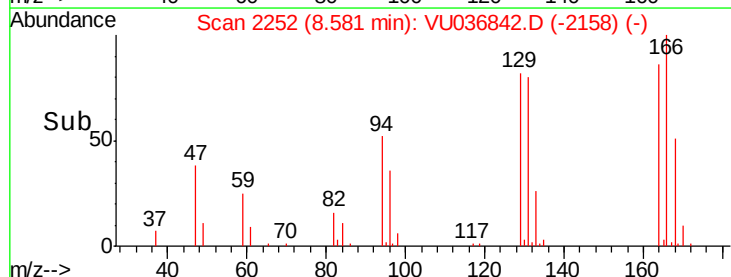
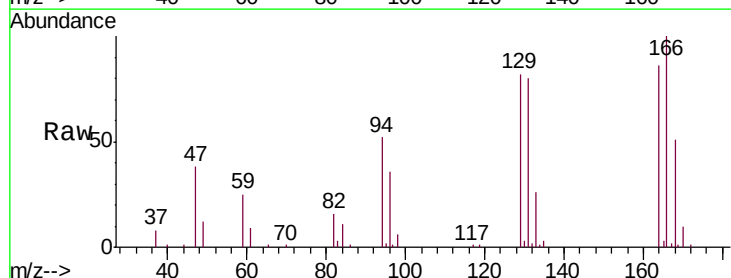
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

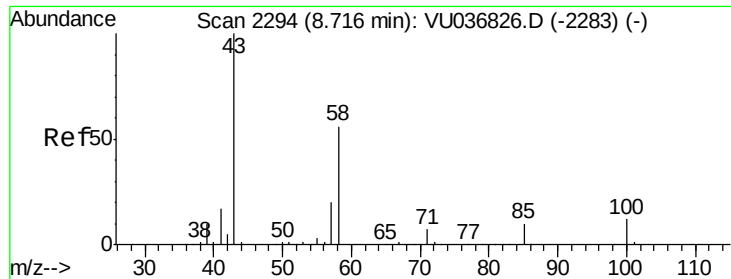
Tgt Ion:	97	Resp:	33499
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.1	81.9
83	84.3	63.5	117.9
85	54.2	41.2	76.4



#47
 Tetrachloroethene
 Concen: 5.283 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

Tgt Ion:	164	Resp:	28615
Ion	Ratio	Lower	Upper
164	100		
129	96.0	68.0	126.4
131	93.1	69.4	128.8
166	116.7	86.6	160.8

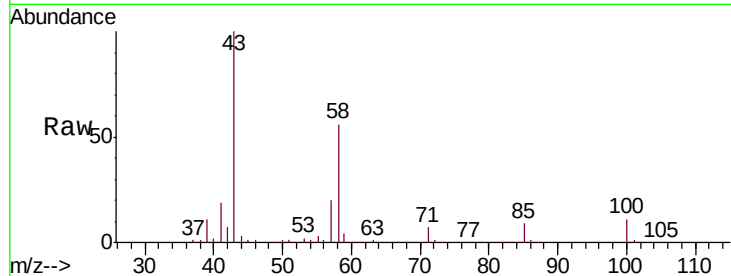




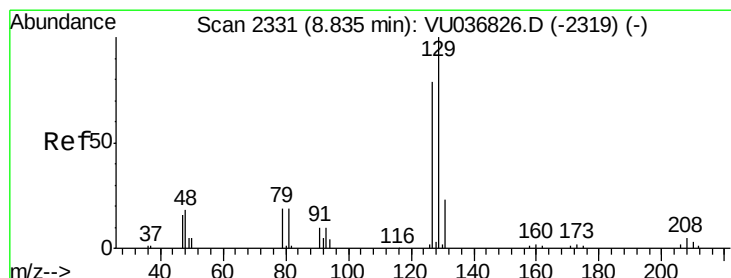
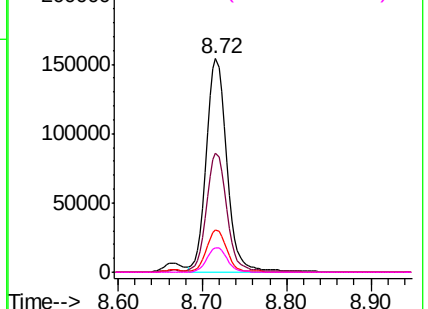
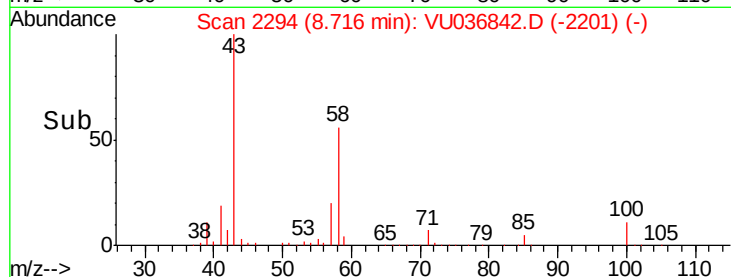
#48
2-Hexanone
Concen: 55.853 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VU036842.D
Acq: 19 Feb 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tgt Ion:	43	Resp:	263267
Ion	Ratio	Lower	Upper
43	100		
58	55.9	43.6	65.4
57	19.4	15.0	22.4
100	11.4	9.0	13.6

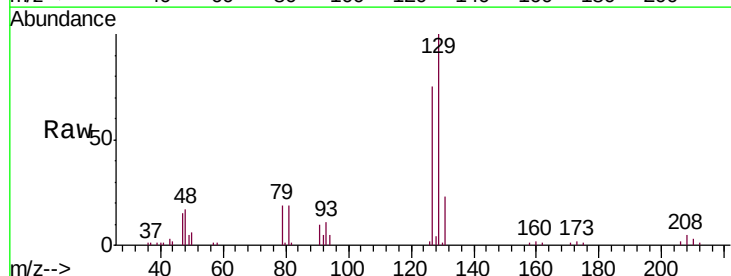


Abundance Ion 43.05 (42.75 to 43.75): VU036842.D (-2201) (-)

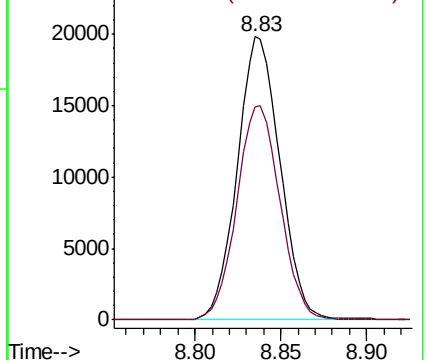
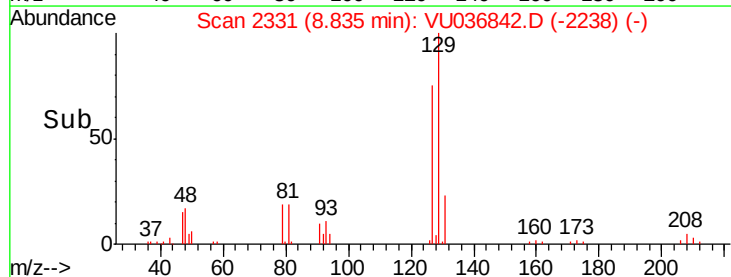


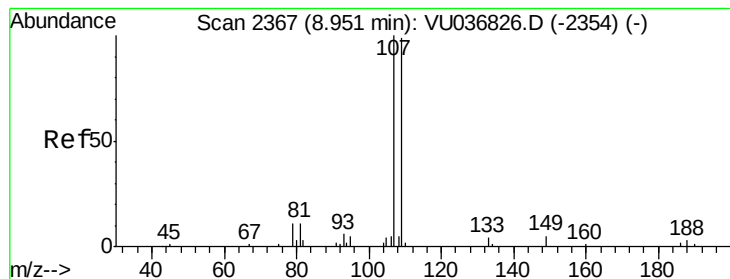
#49
Dibromochloromethane
Concen: 5.564 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU036842.D
Acq: 19 Feb 2020 11:23

Tgt Ion:	129	Resp:	34171
Ion	Ratio	Lower	Upper
129	100		
127	75.3	56.7	105.3



Abundance Ion 128.95 (128.65 to 129.65): VU036842.D (-2238) (-)





#50

1,2-Dibromoethane

Concen: 5.506 ug/L

RT: 8.95 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

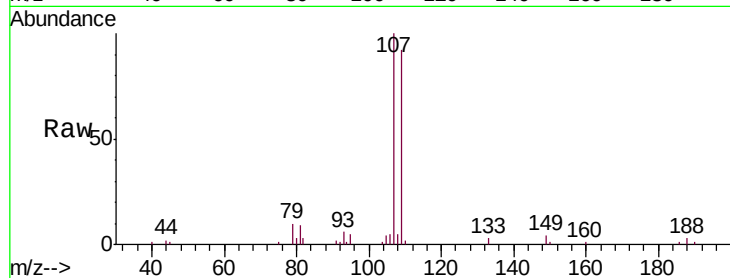
Tgt Ion:107 Resp: 29530

Ion Ratio Lower Upper

107 100

109 91.7 66.4 123.2

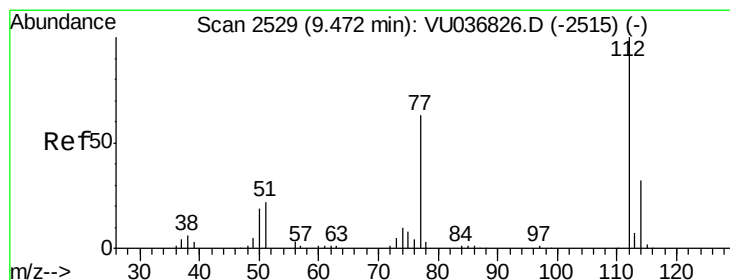
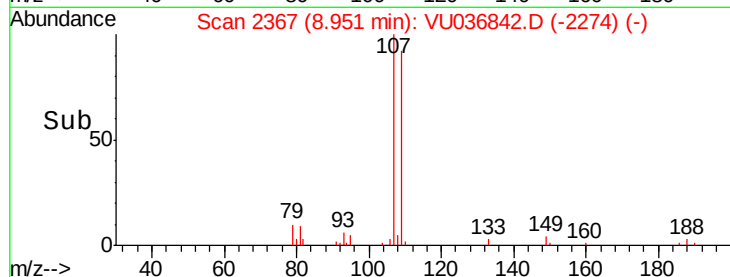
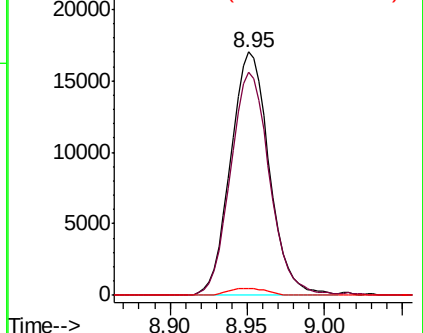
188 2.8 2.4 3.6



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.346 ug/L

RT: 9.47 min Scan# 2529

Delta R.T. -0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

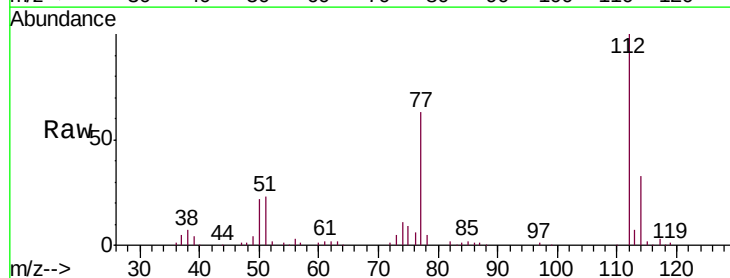
Tgt Ion:112 Resp: 111039

Ion Ratio Lower Upper

112 100

114 32.6 22.9 42.5

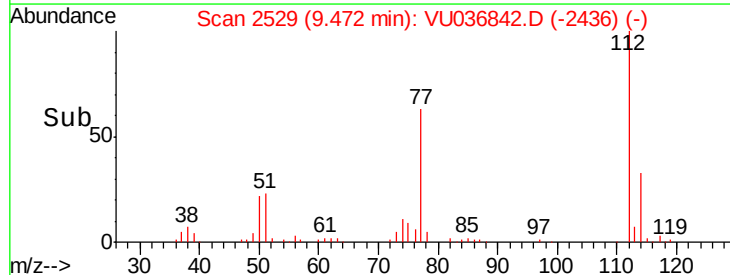
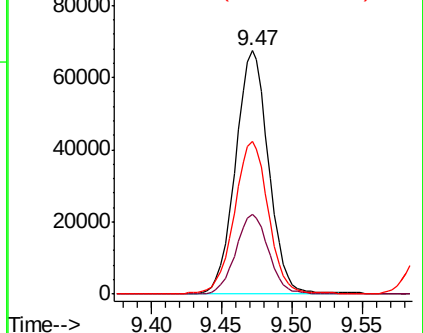
77 62.7 51.0 76.4

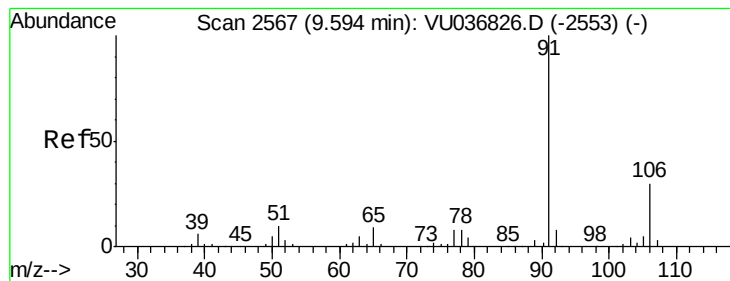


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 5.371 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. -0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

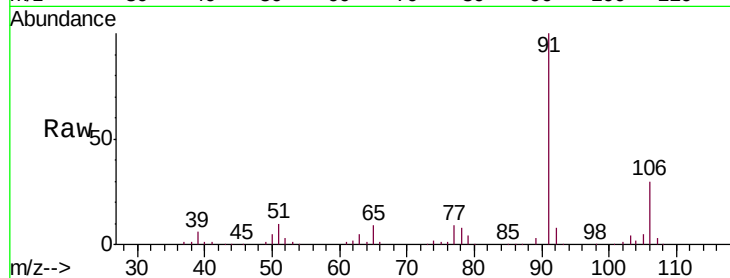
VSTD00524

Tgt Ion: 91 Resp: 201407

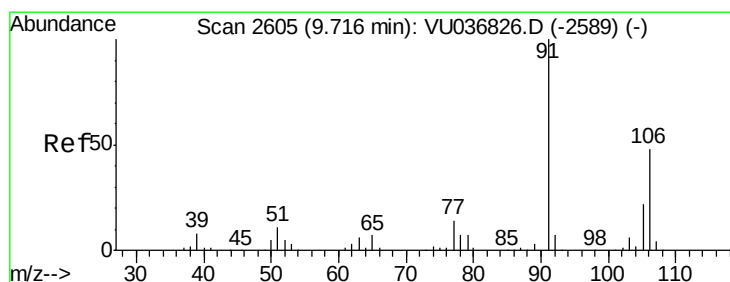
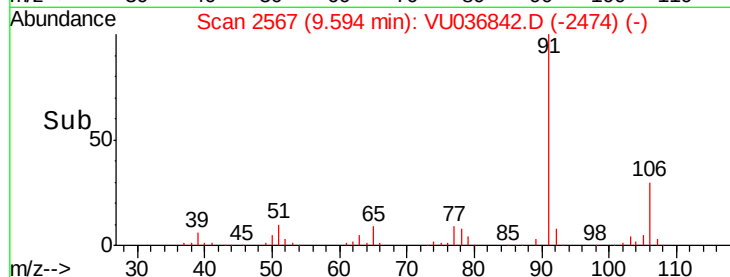
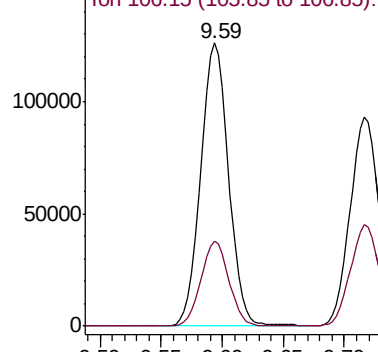
Ion Ratio Lower Upper

91 100

106 29.9 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036842.D (-2553) (-)



#53

m,p-Xylene

Concen: 5.442 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU036842.D

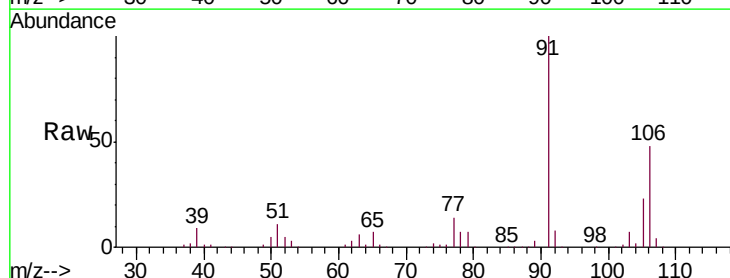
Acq: 19 Feb 2020 11:23

Tgt Ion: 106 Resp: 75093

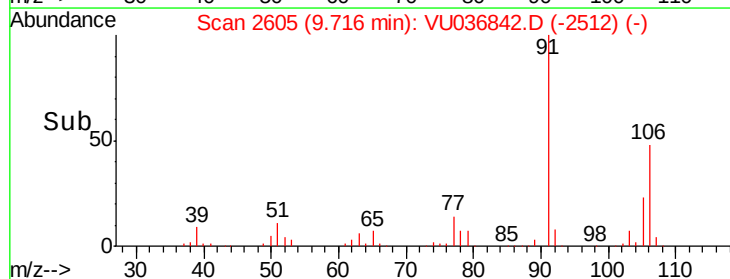
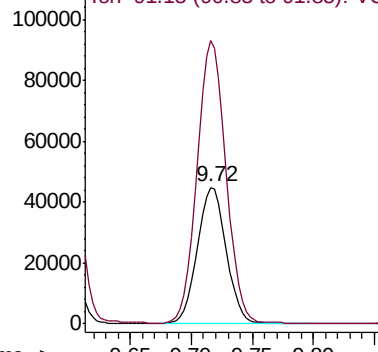
Ion Ratio Lower Upper

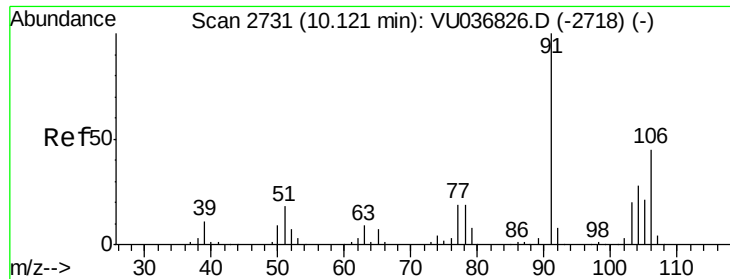
106 100

91 206.9 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036842.D (-2589) (-)

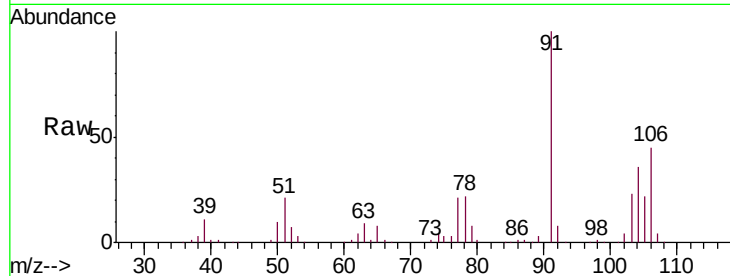




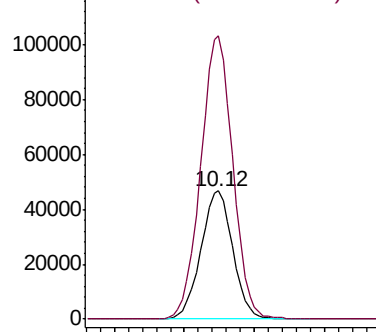
#54
o-Xylene
Concen: 5.446 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU036842.D
Acq: 19 Feb 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

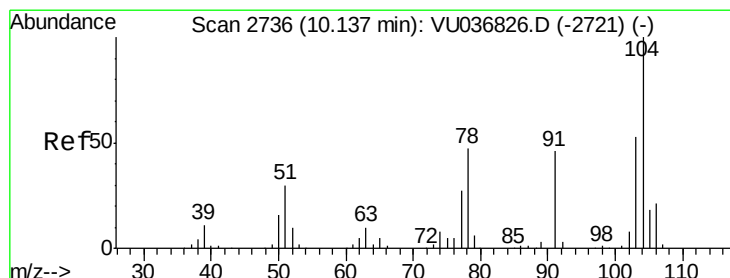
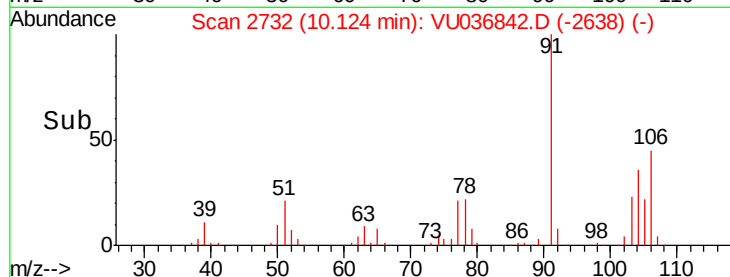
Tgt Ion:106 Resp: 73800
Ion Ratio Lower Upper
106 100
91 220.8 151.1 280.5



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

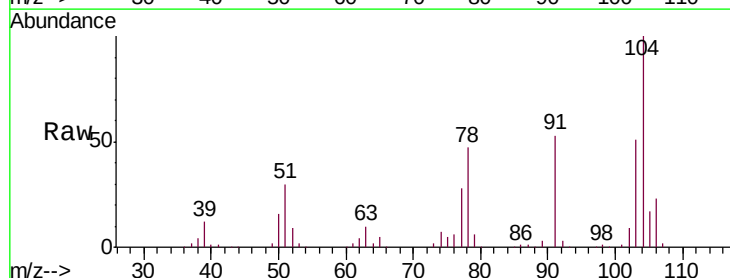


Time-->

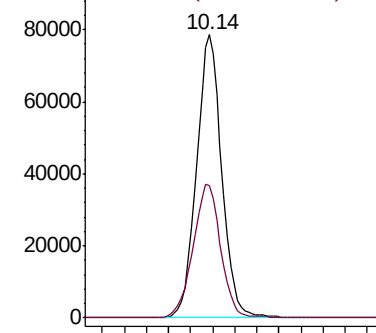


#55
Styrene
Concen: 5.439 ug/L
RT: 10.14 min Scan# 2736
Delta R.T. -0.00 min
Lab File: VU036842.D
Acq: 19 Feb 2020 11:23

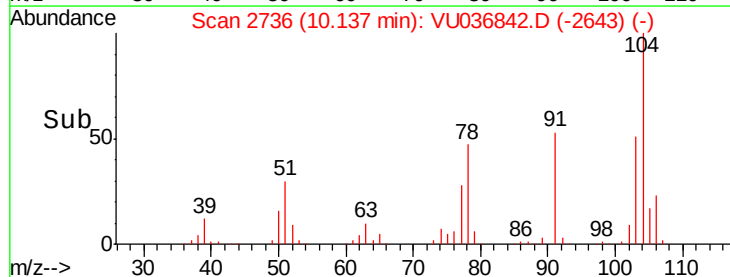
Tgt Ion:104 Resp: 124246
Ion Ratio Lower Upper
104 100
78 46.8 33.5 62.3

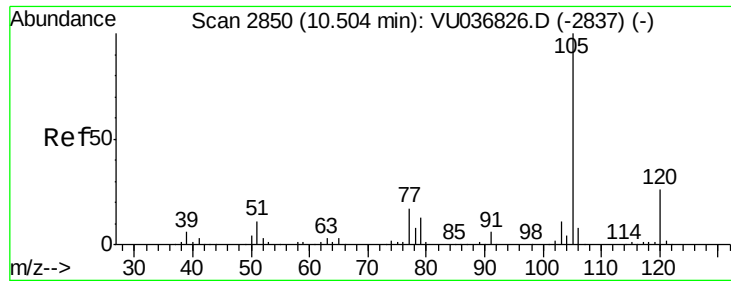


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 5.432 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

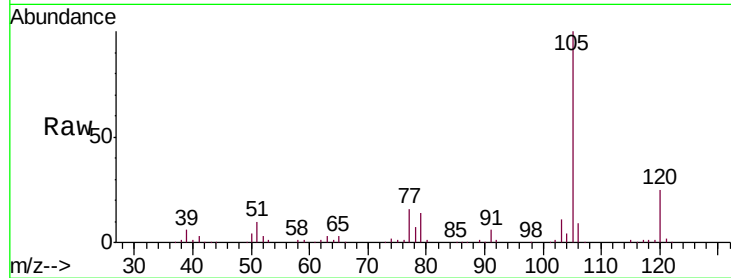
Tgt Ion: 105 Resp: 197011

Ion Ratio Lower Upper

105 100

120 25.0 20.5 30.7

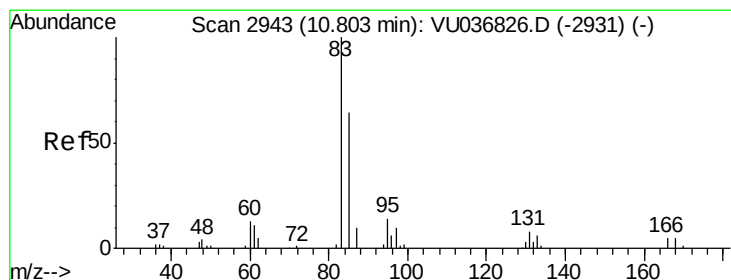
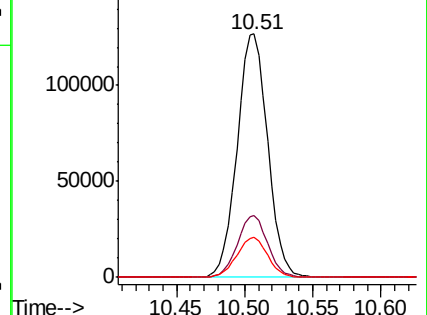
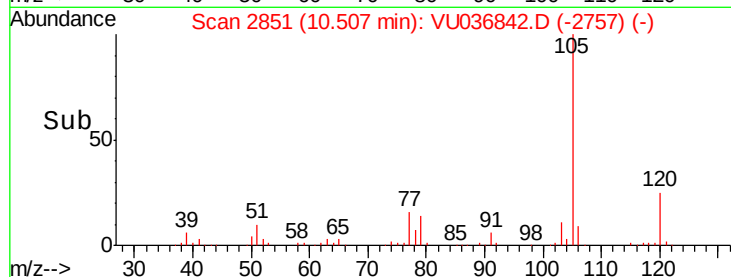
77 16.4 13.0 19.6



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: 5.637 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

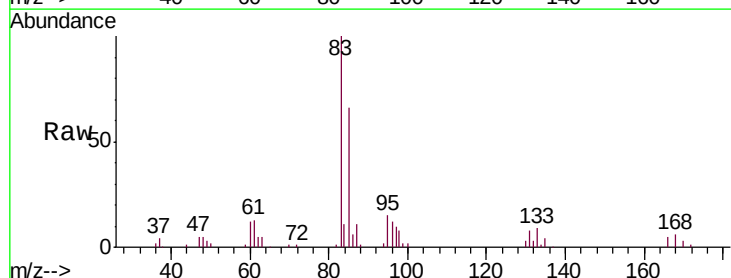
Tgt Ion: 83 Resp: 43815

Ion Ratio Lower Upper

83 100

85 65.9 45.6 84.6

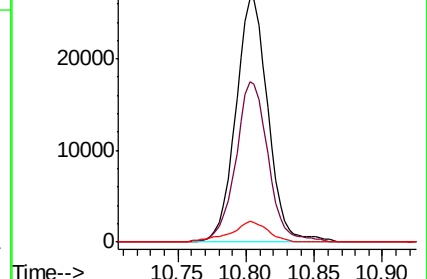
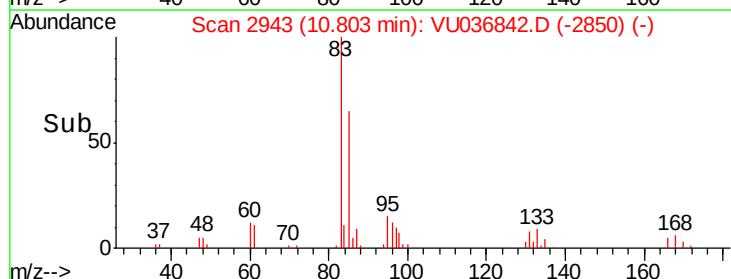
131 8.3 6.8 10.2

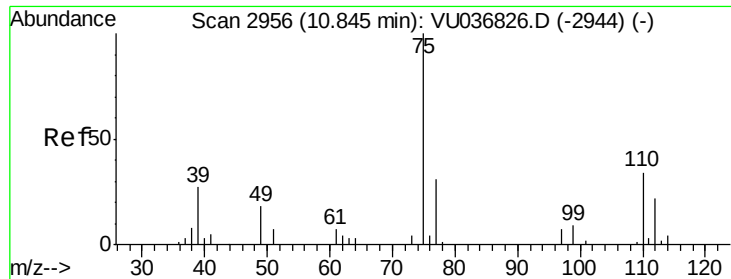


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.528 ug/L

RT: 10.84 min Scan# 2956

Delta R.T. -0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

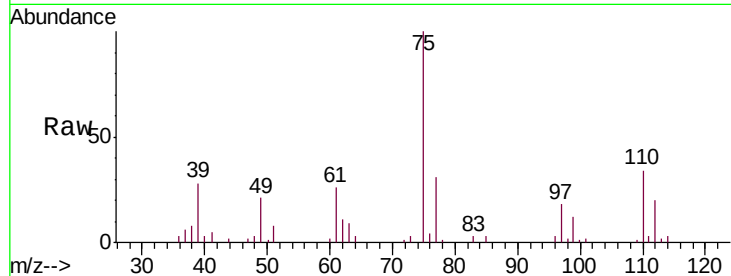
VSTD00524

Tgt Ion: 75 Resp: 31152

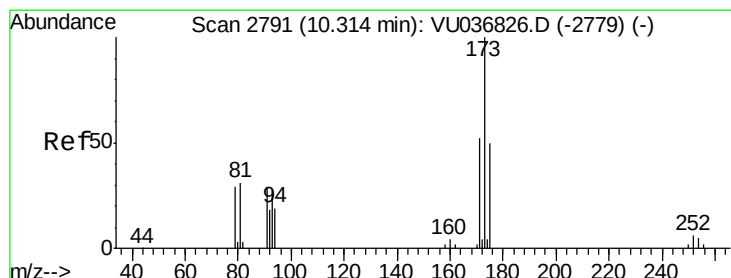
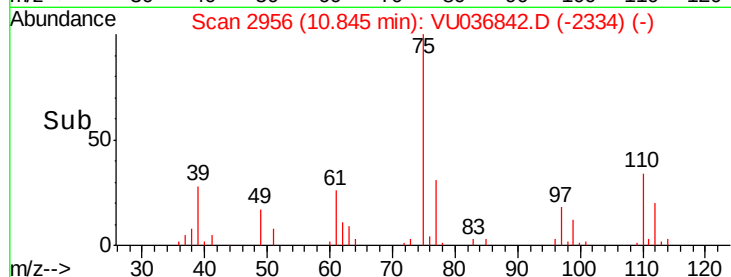
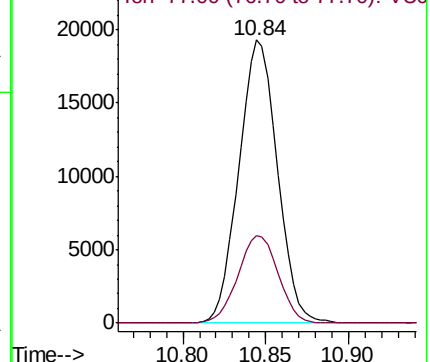
Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU036826.D (-2944) (-)



#61

Bromoform

Concen: 5.360 ug/L

RT: 10.31 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

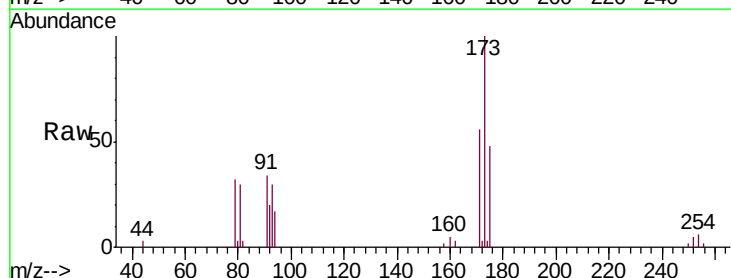
Tgt Ion: 173 Resp: 17058

Ion Ratio Lower Upper

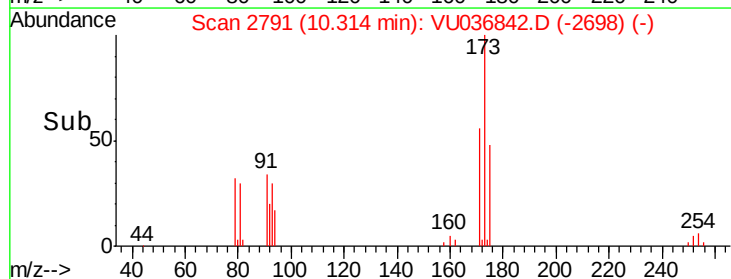
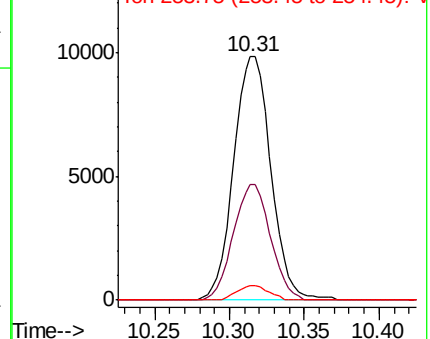
173 100

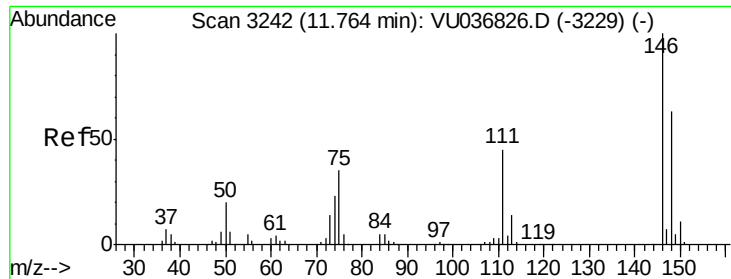
175 47.2 39.9 59.9

254 5.0 4.6 6.8



Abundance Ion 172.90 (172.60 to 173.60): VU036826.D (-2779) (-)

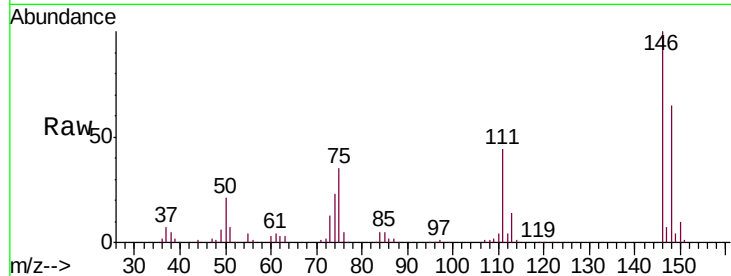




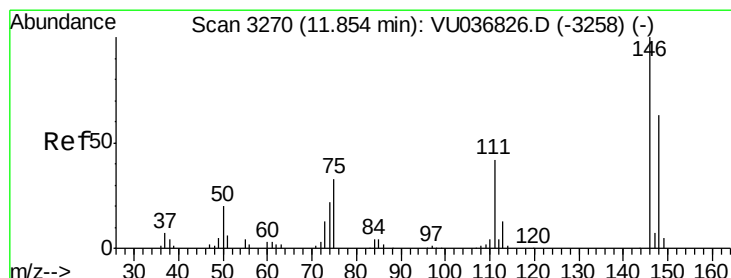
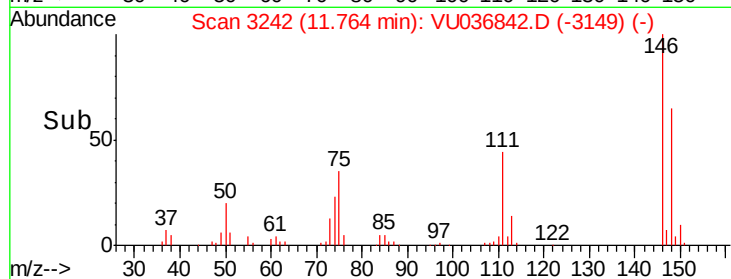
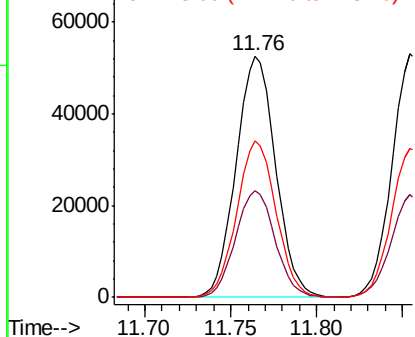
#62
 1,3-Dichlorobenzene
 Concen: 5.269 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. -0.00 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tgt Ion:146 Resp: 83858
 Ion Ratio Lower Upper
 146 100
 111 44.3 30.0 55.8
 148 64.6 44.5 82.7

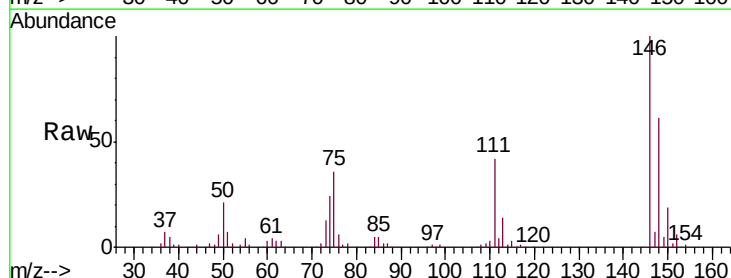


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

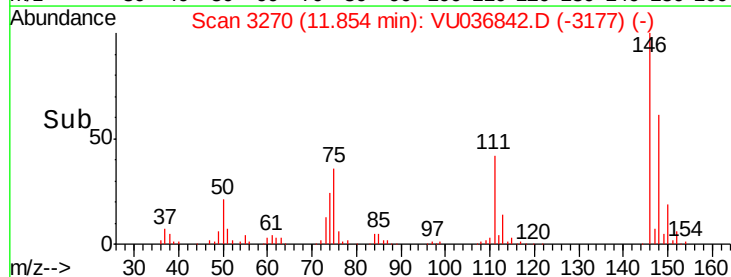
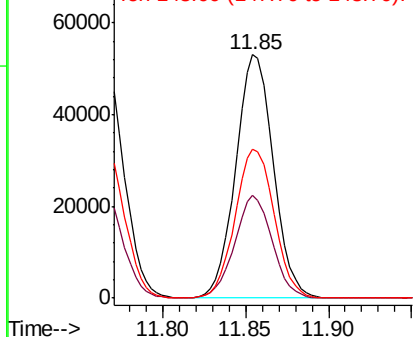


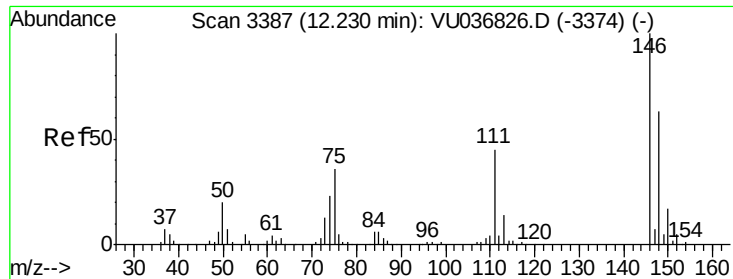
#63
 1,4-Dichlorobenzene
 Concen: 5.306 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

Tgt Ion:146 Resp: 83710
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.2 54.2
 148 61.2 44.3 82.3



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

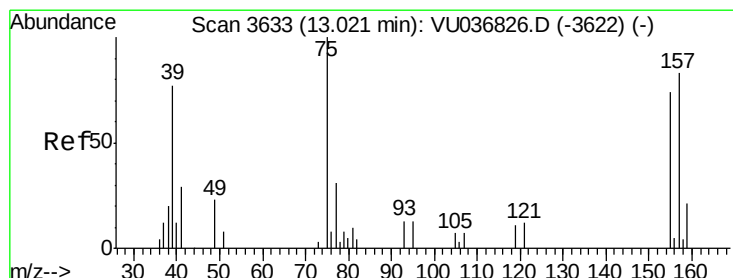
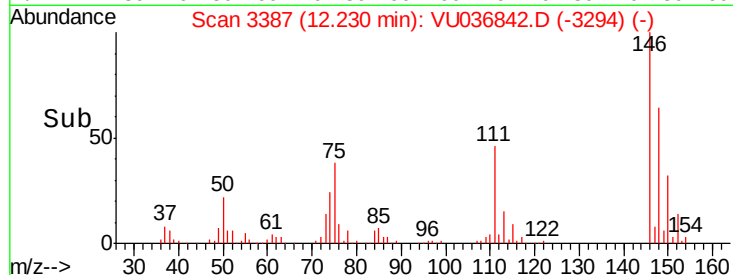
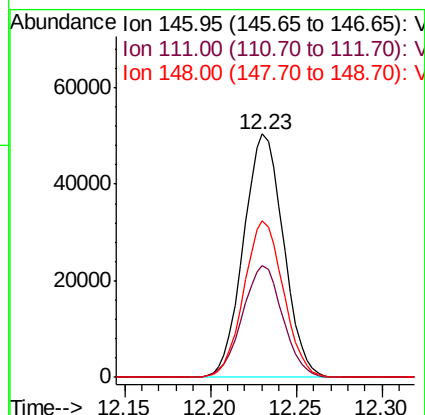
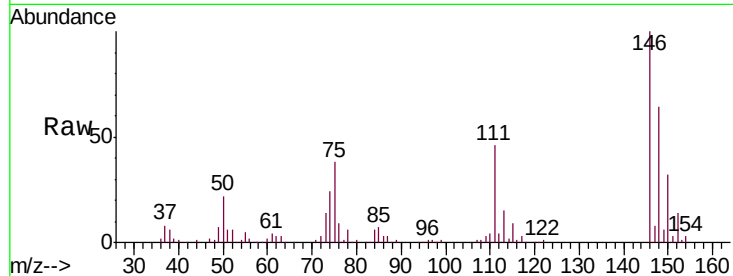




#65
 1,2-Dichlorobenzene
 Concen: 5.304 ug/L
 RT: 12.23 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

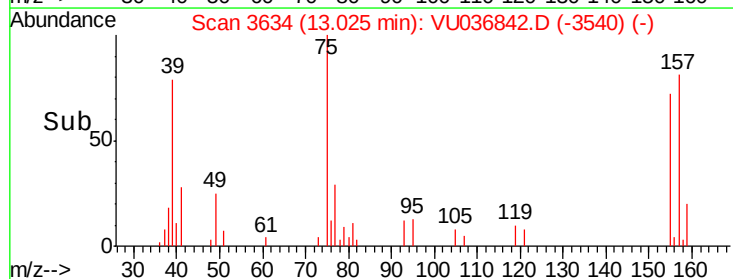
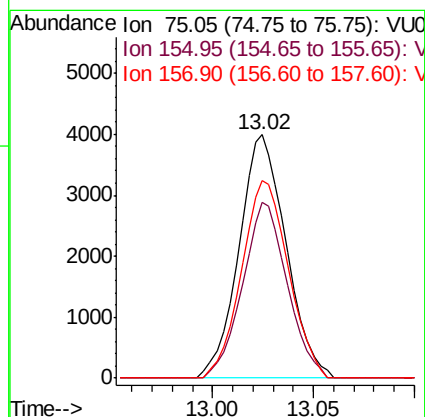
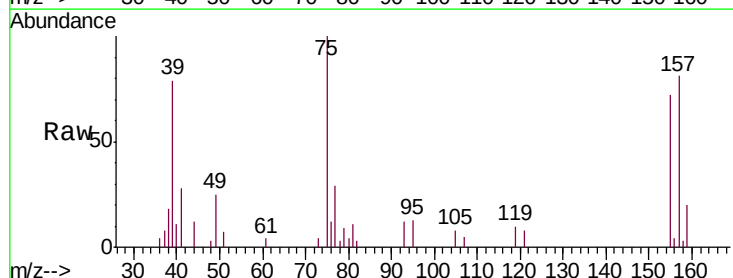
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

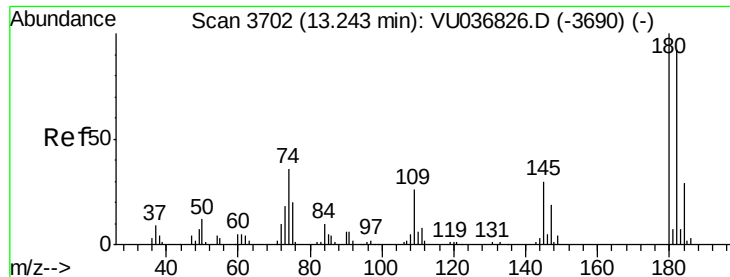
Tgt Ion: 146 Resp: 81379
 Ion Ratio Lower Upper
 146 100
 111 45.9 35.9 53.9
 148 64.2 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.683 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.00 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

Tgt Ion: 75 Resp: 6507
 Ion Ratio Lower Upper
 75 100
 155 72.1 52.9 79.3
 157 81.2 69.2 103.8

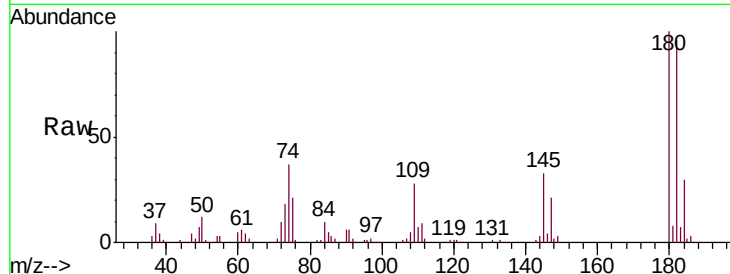




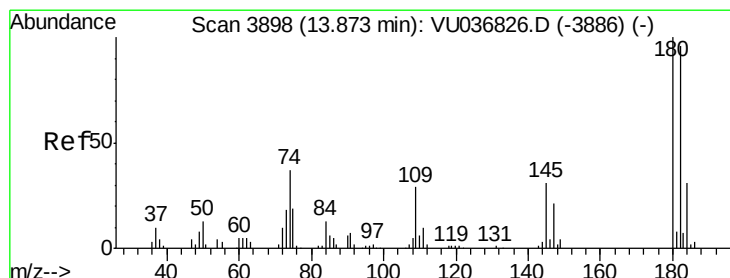
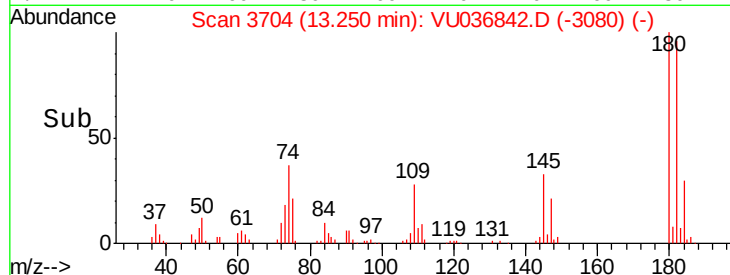
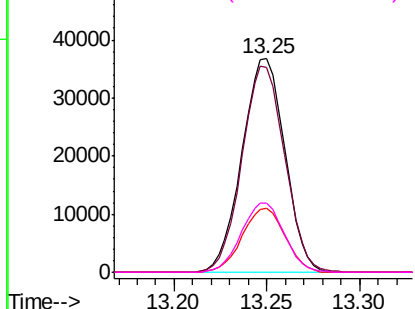
#67
 1,3,5-Trichlorobenzene
 Concen: 5.281 ug/L
 RT: 13.25 min Scan# 3704
 Delta R.T. 0.01 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00524

Tgt Ion:180 Resp: 59177
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.4 114.6
 184 29.9 24.6 37.0
 145 32.3 25.3 37.9

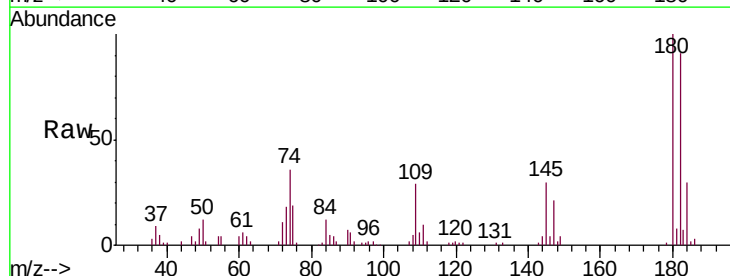


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

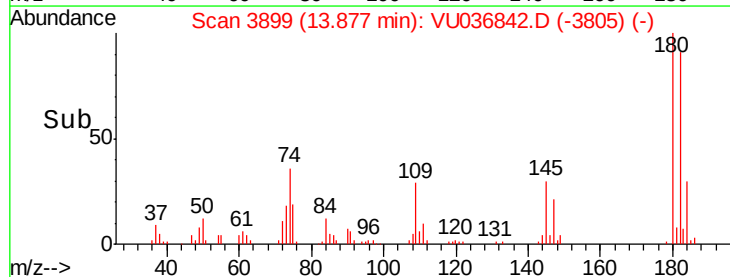
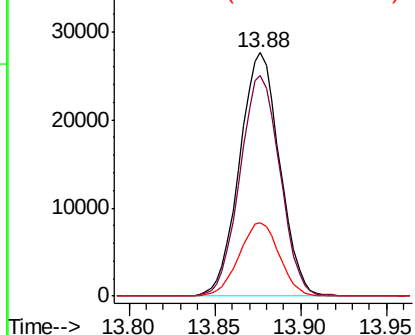


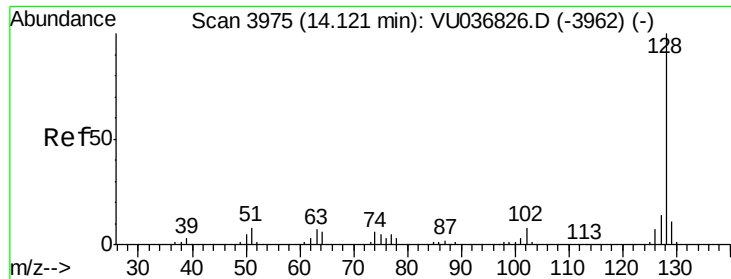
#68
 1,2,4-trichlorobenzene
 Concen: 5.282 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.00 min
 Lab File: VU036842.D
 Acq: 19 Feb 2020 11:23

Tgt Ion:180 Resp: 44626
 Ion Ratio Lower Upper
 180 100
 182 90.5 77.0 115.6
 145 30.3 26.5 39.7



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





#69

Naphthalene

Concen: 4.868 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

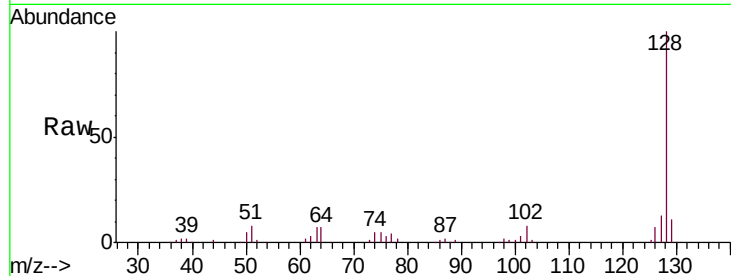
Tgt Ion:128 Resp: 74523

Ion Ratio Lower Upper

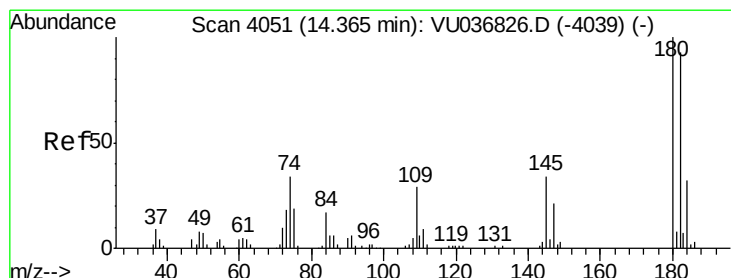
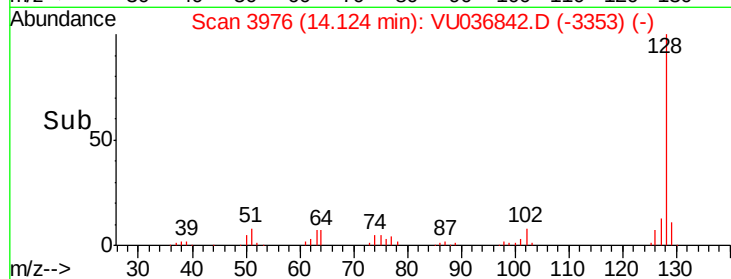
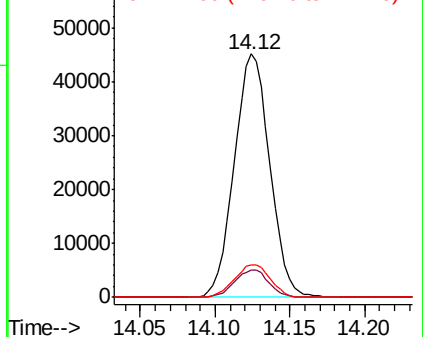
128 100

129 10.8 9.0 13.4

127 13.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.425 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.00 min

Lab File: VU036842.D

Acq: 19 Feb 2020 11:23

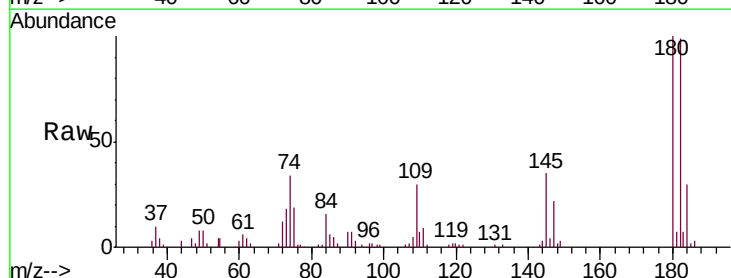
Tgt Ion:180 Resp: 41138

Ion Ratio Lower Upper

180 100

182 95.6 78.2 117.4

145 33.8 27.0 40.6



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

