

Data File : VU036729.D
Acq On : 11 Feb 2020 17:56
Operator : JC/MD
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV03

Quant Time: Feb 12 08:16:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 12 08:13:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	126697	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	116406	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	53819	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	52036	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.93	69	45168	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.59	63	88020	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.60%
20) 2-Butanone-d5	4.68	46	115667	50.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.24%
24) Chloroform-d	5.11	84	83814	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.75	65	46461	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.77	84	178205	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.73	67	55903	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.93	98	165242	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	8.21	79	21993	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.67	63	102824	51.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.14%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	43234	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	53273	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	38880	4.647 ug/L	97
3) Chloromethane	1.54	50	40869	4.693 ug/L	99
5) Vinyl chloride	1.62	62	48826	4.800 ug/L	99
6) Bromomethane	1.87	94	28935	4.734 ug/L	97
8) Chloroethane	1.95	64	32243	4.537 ug/L	98
9) Trichlorofluoromethane	2.16	101	62912	4.701 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	39305	4.599 ug/L	98
12) 1,1-Dichloroethene	2.61	96	37076	4.811 ug/L	93
13) Acetone	2.66	43	130221	44.569 ug/L	99
14) Carbon disulfide	2.82	76	86784	4.666 ug/L	100
15) Methyl Acetate	2.99	43	18645	4.809 ug/L	98
16) Methylene chloride	3.08	84	51219	3.943 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	109166	4.783 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	38226	4.806 ug/L	98
19) 1,1-Dichloroethane	3.92	63	80244	4.812 ug/L	99
21) 2-Butanone	4.76	43	160299	47.164 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	47427	4.928 ug/L	99

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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	5.02	128	18833	4.922	ug/L	93
25) Chloroform	5.13	83	81367	4.568	ug/L	97
27) 1,2-Dichloroethane	5.84	62	53350	4.699	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	61665	4.823	ug/L	99
30) Cyclohexane	5.43	56	65832	4.848	ug/L	97
31) Carbon tetrachloride	5.57	117	49462	4.796	ug/L	98
33) Benzene	5.82	78	172879	4.815	ug/L	100
34) Trichloroethene	6.58	95	44438	4.859	ug/L	97
35) Methylcyclohexane	6.80	83	69143	4.765	ug/L	99
37) 1,2-Dichloropropane	6.83	63	46828	4.777	ug/L	100
38) Bromodichloromethane	7.14	83	56400	4.821	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	69750	4.917	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	315385	49.852	ug/L	100
42) Toluene	8.00	91	189391	4.911	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	55862	5.039	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	32820	4.812	ug/L	100
47) Tetrachloroethene	8.58	164	29518	4.745	ug/L	97
48) 2-Hexanone	8.72	43	268550	49.604	ug/L	99
49) Dibromochloromethane	8.84	129	34345	4.869	ug/L	99
50) 1,2-Dibromoethane	8.95	107	30090	4.885	ug/L	94
51) Chlorobenzene	9.47	112	115617	4.847	ug/L	99
52) Ethylbenzene	9.60	91	210099	4.878	ug/L	100
53) m,p-Xylene	9.72	106	76509	4.827	ug/L	94
54) o-Xylene	10.13	106	76432	4.911	ug/L	96
55) Styrene	10.14	104	127817	4.871	ug/L	98
56) Isopropylbenzene	10.51	105	204367	4.906	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	44833	5.022	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	32120	4.962	ug/L	98
61) Bromoform	10.32	173	17987	4.851	ug/L	96
62) 1,3-Dichlorobenzene	11.77	146	88282	4.761	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	88465	4.813	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	85577	4.787	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	6708	5.029	ug/L	91
67) 1,3,5-Trichlorobenzene	13.23	180	65855	5.045	ug/L	98
68) 1,2,4-trichlorobenzene	13.85	180	55007	5.588	ug/L	98
69) Naphthalene	14.10	128	107391	6.021	ug/L	99
70) 1,2,3-Trichlorobenzene	14.34	180	50698	5.739	ug/L	99

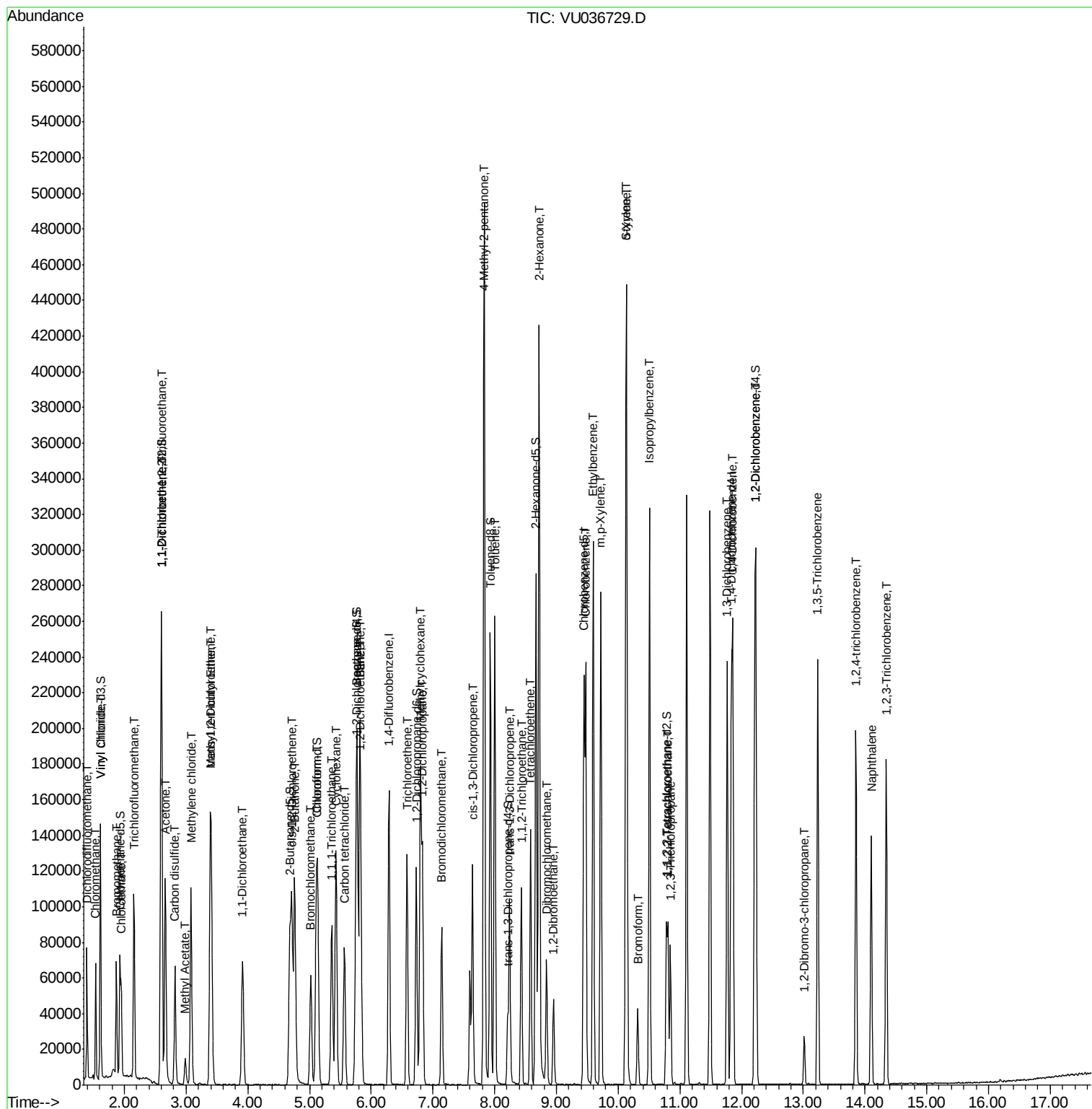
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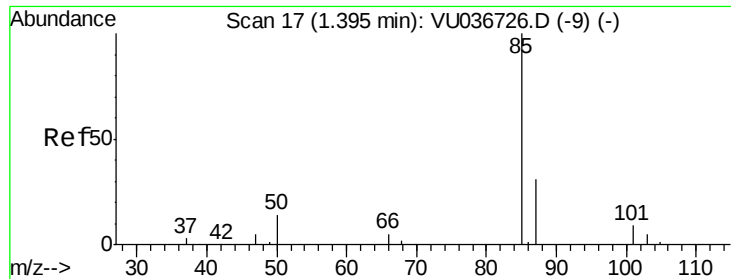
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#2

Dichlorodifluoromethane

Concen: 4.647 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampleId :

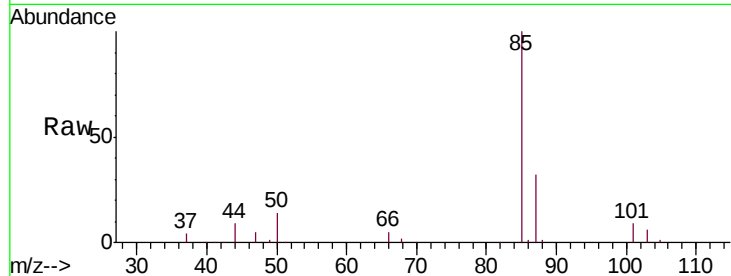
VICV03

Tgt Ion: 85 Resp: 38880

Ion Ratio Lower Upper

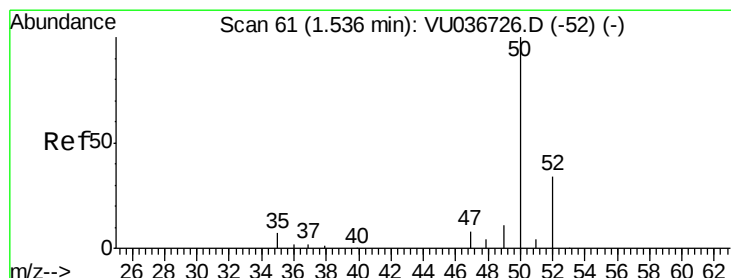
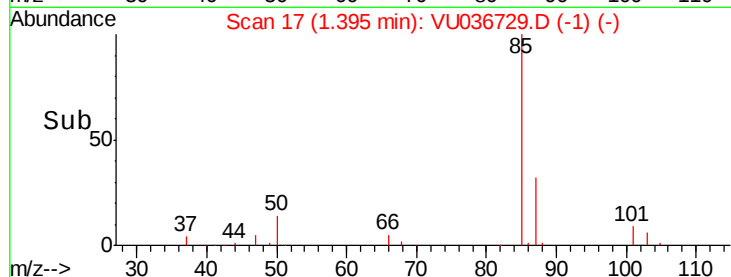
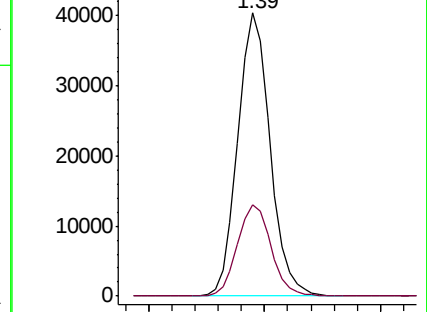
85 100

87 33.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036726.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036726.D (-9) (-)



#3

Chloromethane

Concen: 4.693 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036729.D

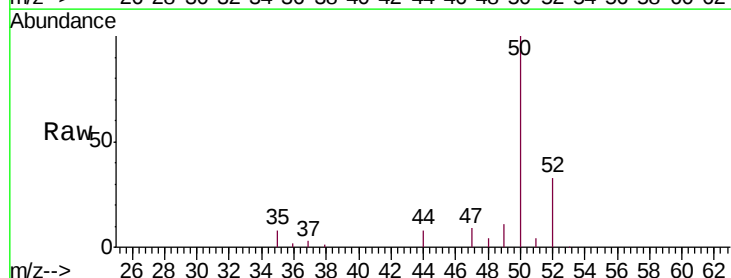
Acq: 11 Feb 2020 17:56

Tgt Ion: 50 Resp: 40869

Ion Ratio Lower Upper

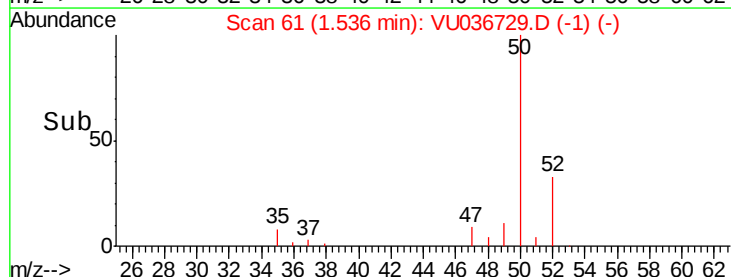
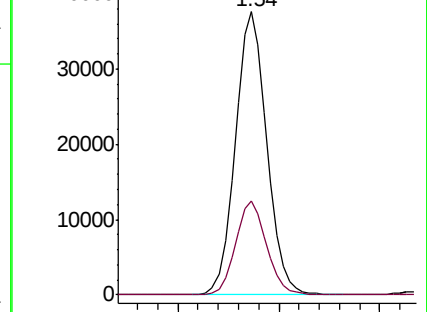
50 100

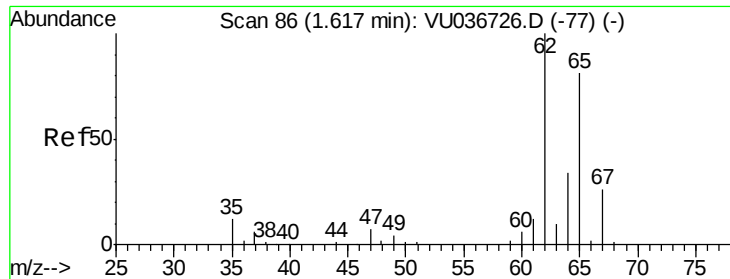
52 33.2 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036726.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036726.D (-52) (-)





#5

Vinyl chloride

Concen: 4.800 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampleId :

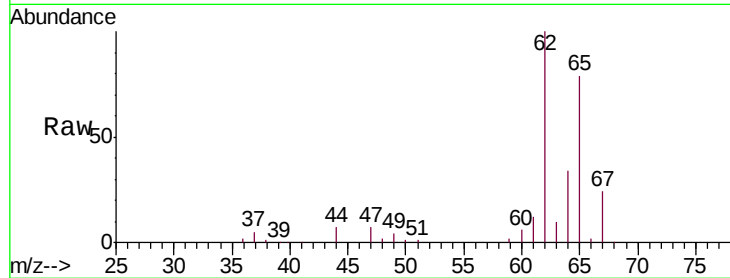
VICV03

Tgt Ion: 62 Resp: 48826

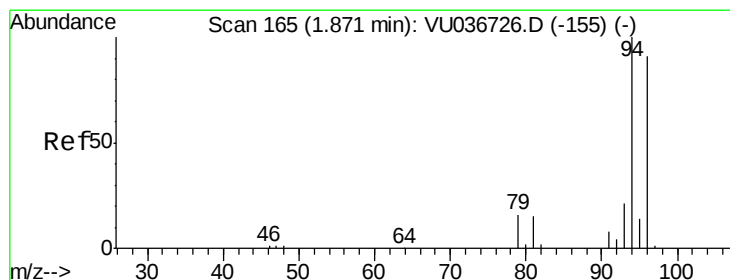
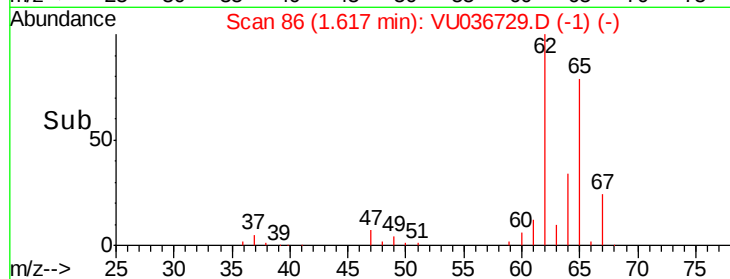
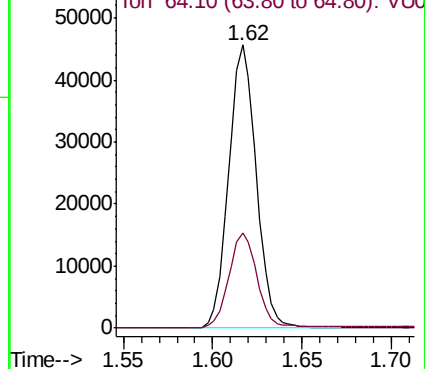
Ion Ratio Lower Upper

62 100

64 33.7 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU036729.D (-1) (-)



#6

Bromomethane

Concen: 4.734 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU036729.D

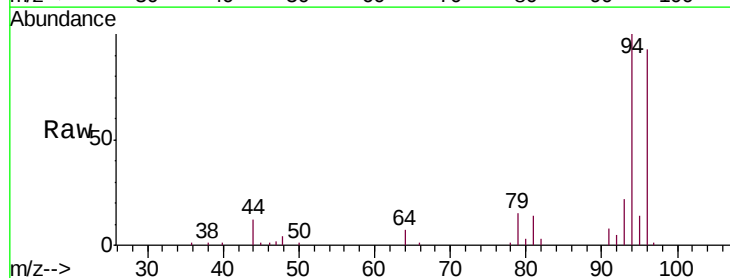
Acq: 11 Feb 2020 17:56

Tgt Ion: 94 Resp: 28935

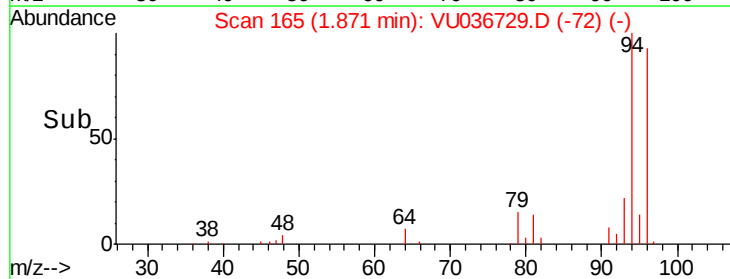
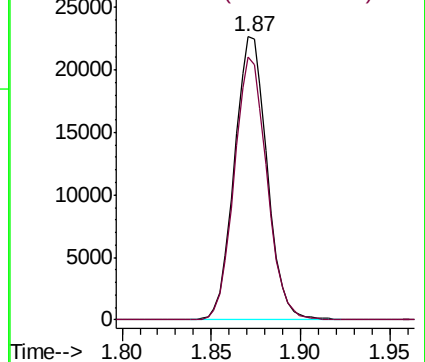
Ion Ratio Lower Upper

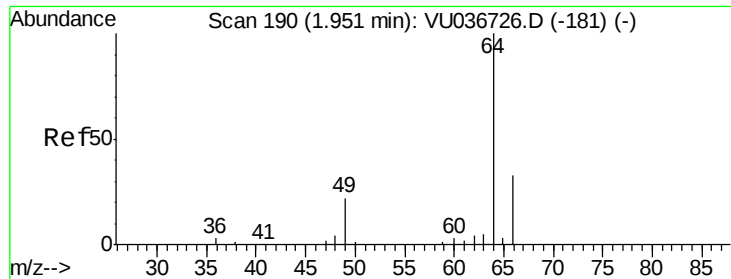
94 100

96 93.1 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU036729.D (-72) (-)

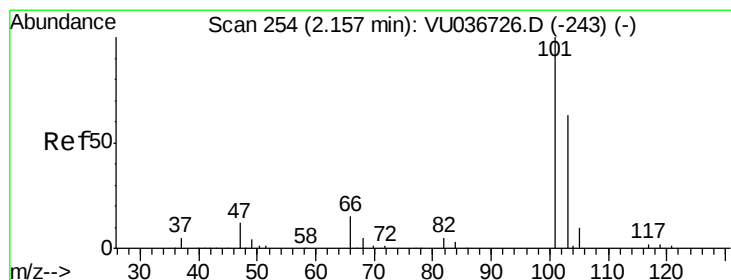
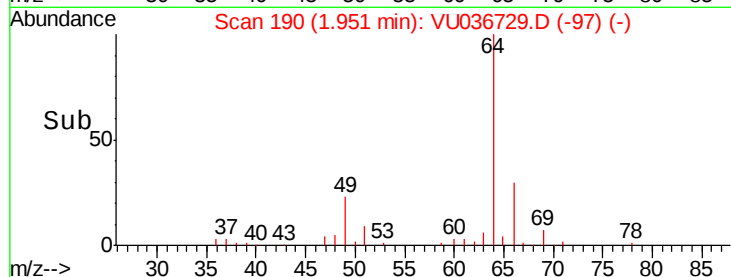
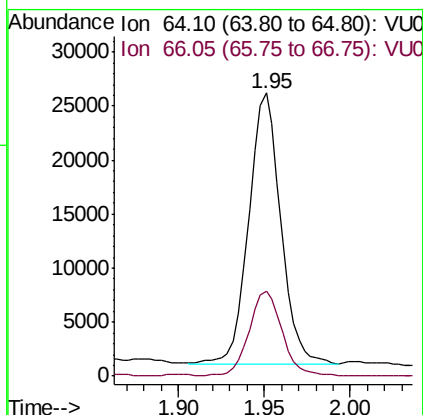
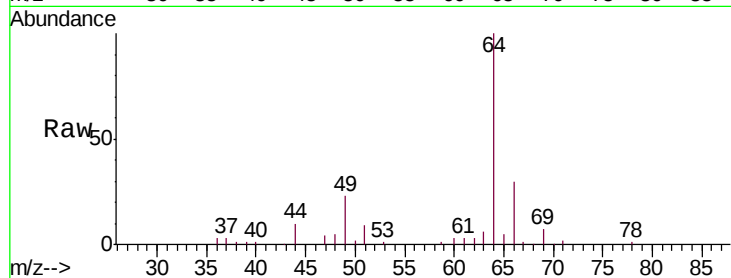




#8
 Chloroethane
 Concen: 4.537 ug/L
 RT: 1.95 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VU036729.D
 Acq: 11 Feb 2020 17:56

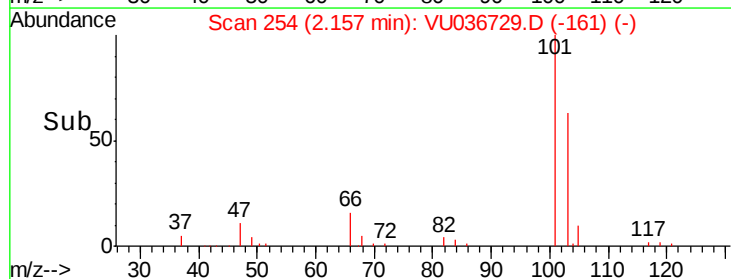
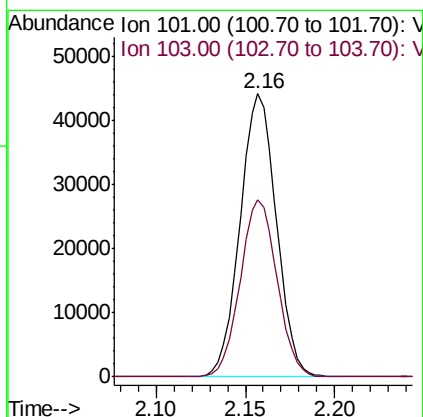
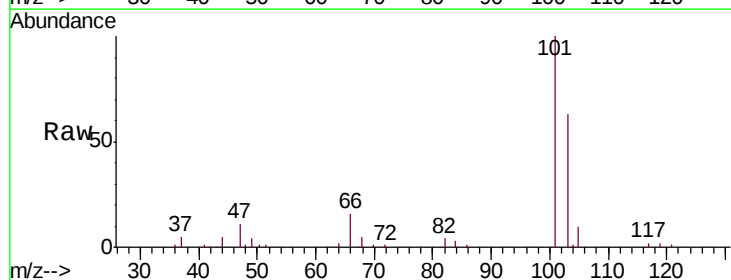
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

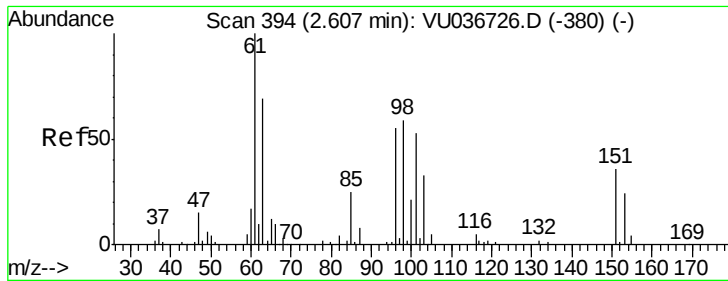
Tgt Ion: 64 Resp: 32243
 Ion Ratio Lower Upper
 64 100
 66 29.9 21.8 40.6



#9
 Trichlorofluoromethane
 Concen: 4.701 ug/L
 RT: 2.16 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VU036729.D
 Acq: 11 Feb 2020 17:56

Tgt Ion: 101 Resp: 62912
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.0 76.6





#10

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

Concen: 4.599 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampleId :

VICV03

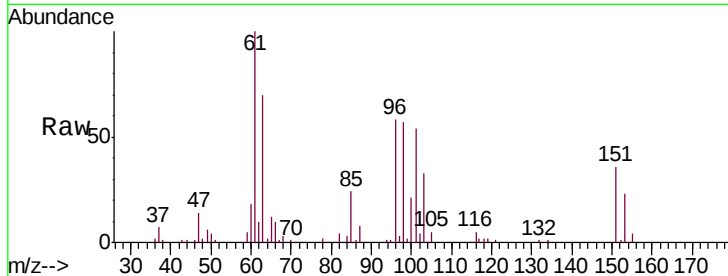
Tgt Ion: 101 Resp: 39305

Ion Ratio Lower Upper

101 100

85 43.9 36.4 54.6

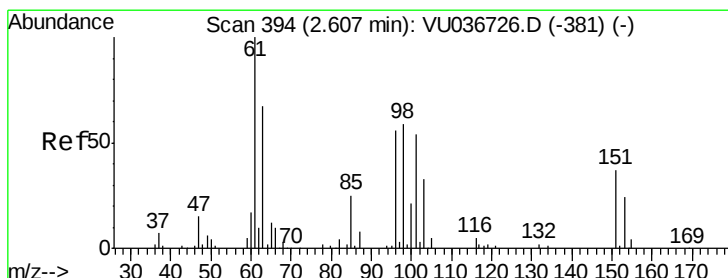
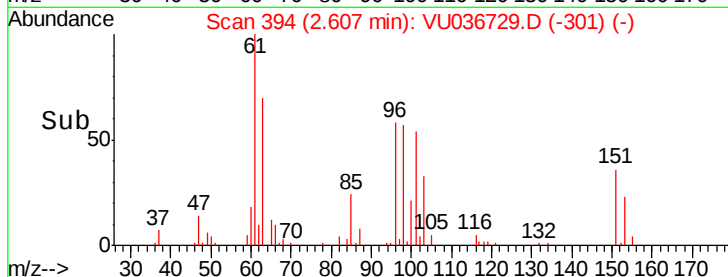
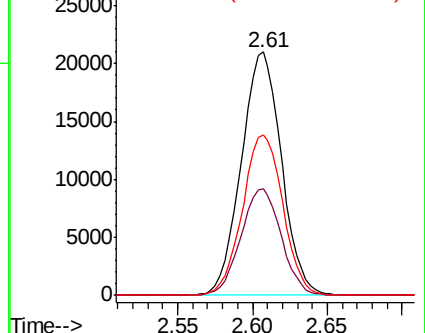
151 66.3 54.0 81.0



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: 4.811 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

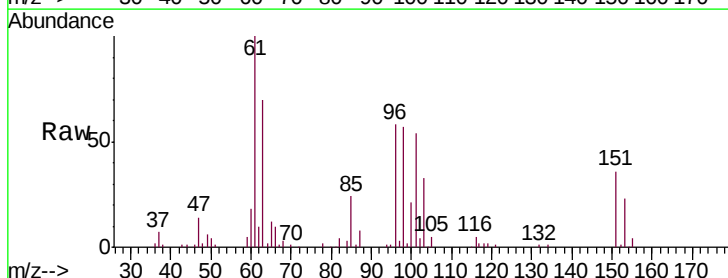
Tgt Ion: 96 Resp: 37076

Ion Ratio Lower Upper

96 100

61 171.4 126.4 234.8

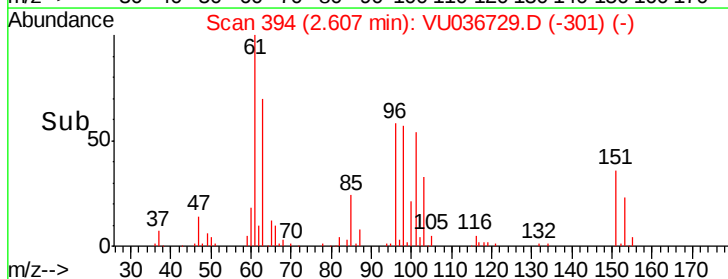
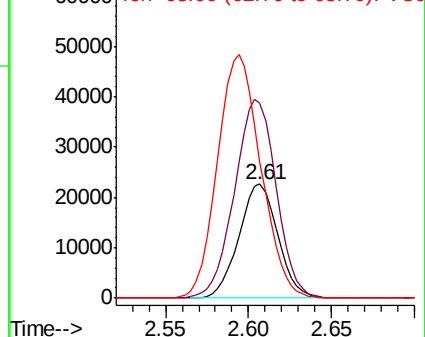
63 119.9 89.5 166.3

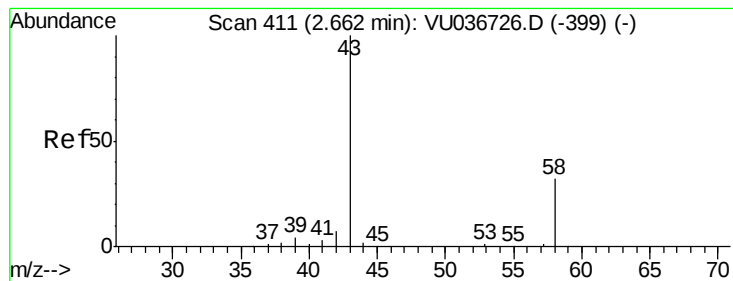


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.569 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampled :

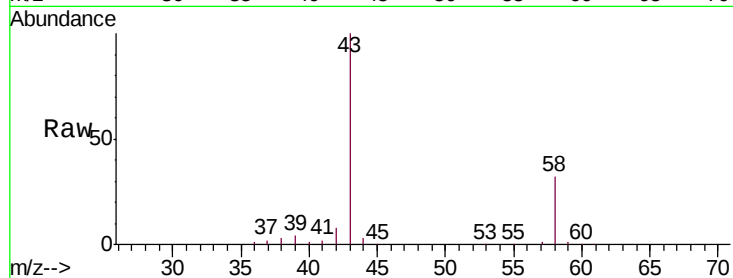
VICV03

Tgt Ion: 43 Resp: 130221

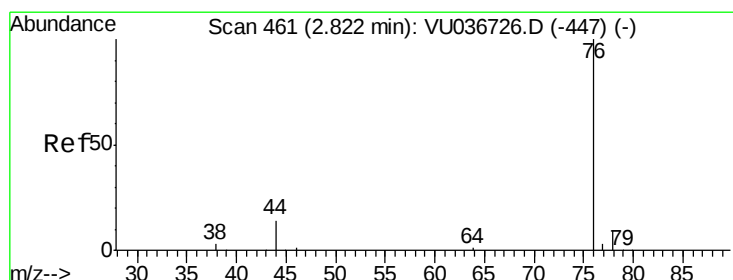
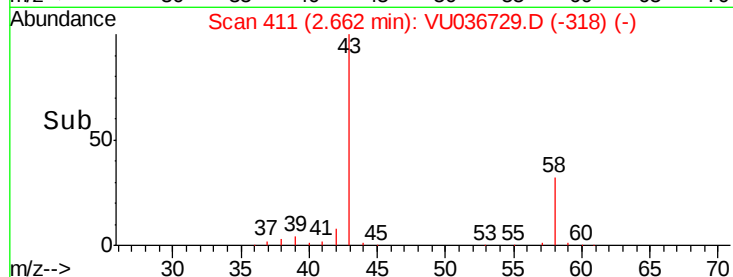
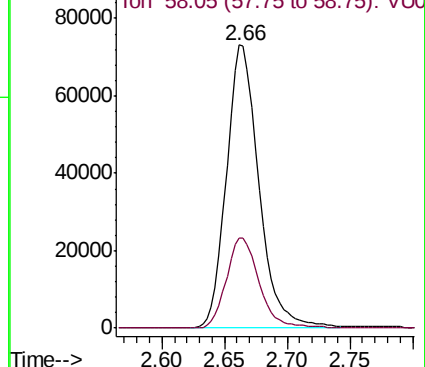
Ion Ratio Lower Upper

43 100

58 32.5 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036729.D (-399) (-)



#14

Carbon disulfide

Concen: 4.666 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036729.D

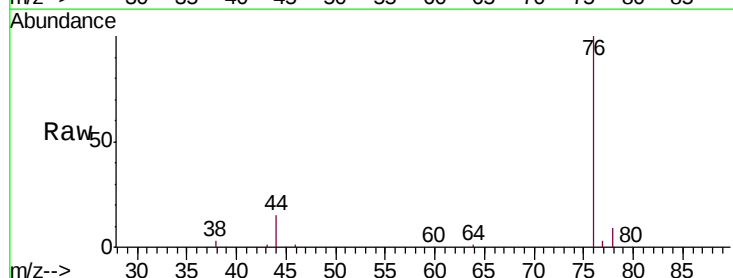
Acq: 11 Feb 2020 17:56

Tgt Ion: 76 Resp: 86784

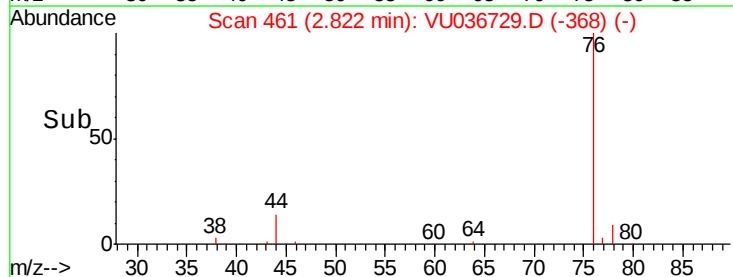
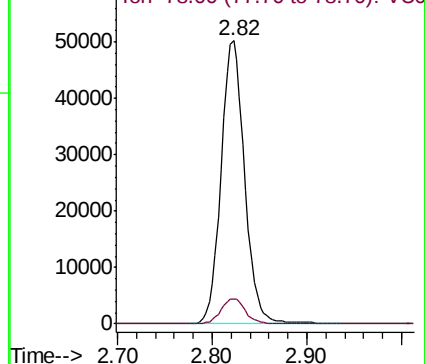
Ion Ratio Lower Upper

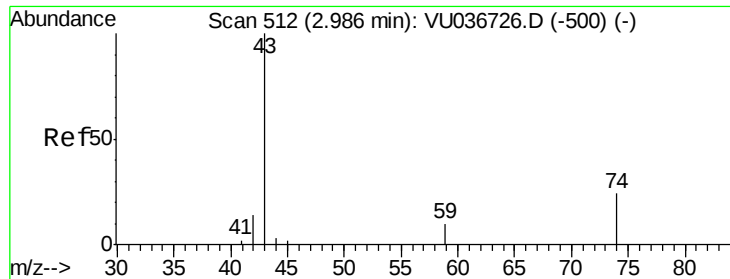
76 100

78 8.9 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036729.D (-368) (-)

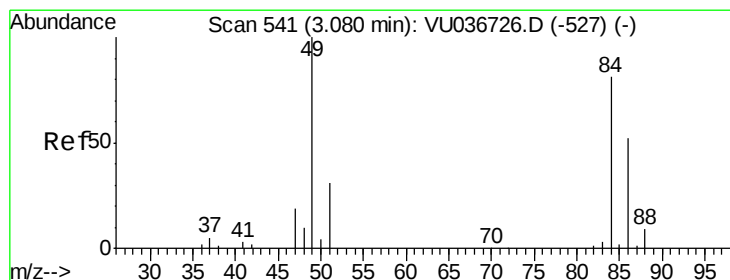
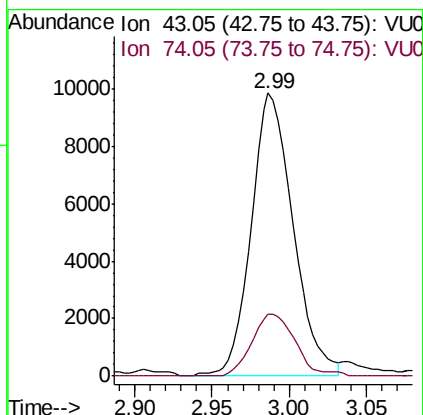
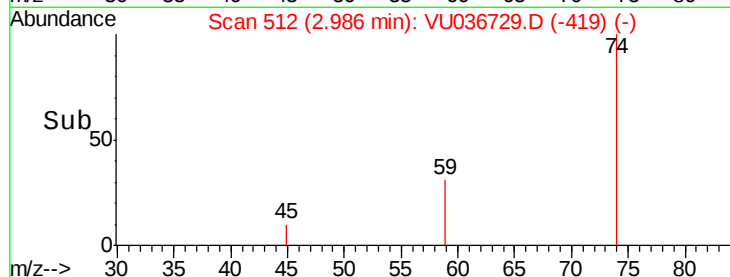
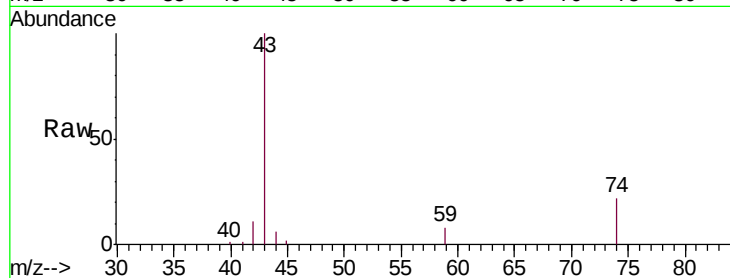




#15
Methyl Acetate
Concen: 4.809 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU036729.D
Acq: 11 Feb 2020 17:56

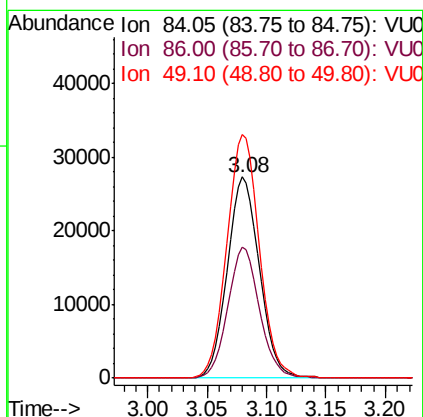
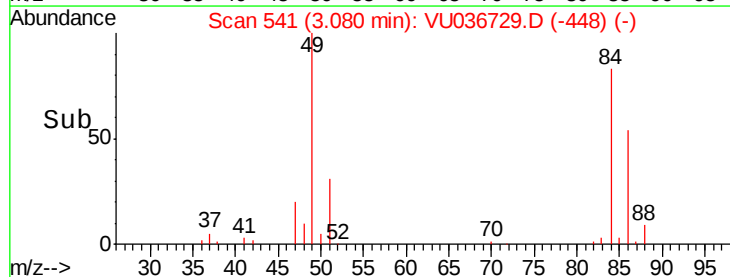
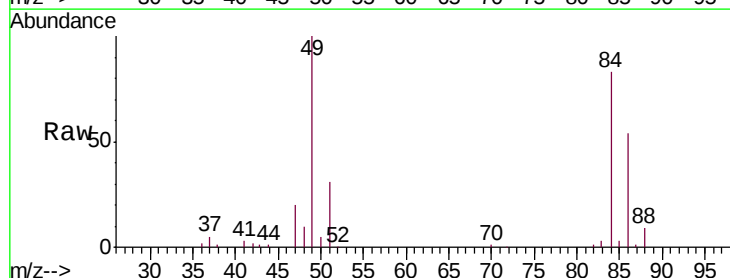
Instrument :
MSVOA_U
ClientSampled :
VICV03

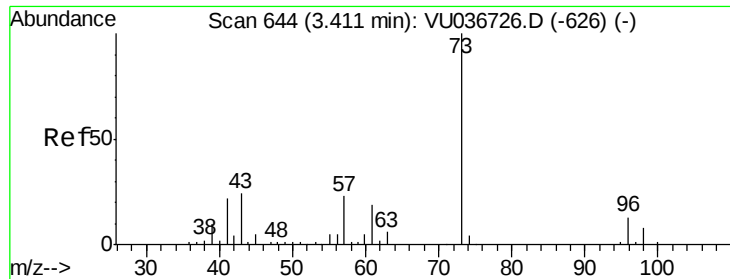
Tgt Ion: 43 Resp: 18645
Ion Ratio Lower Upper
43 100
74 22.6 19.0 28.4



#16
Methylene chloride
Concen: 3.943 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036729.D
Acq: 11 Feb 2020 17:56

Tgt Ion: 84 Resp: 51219
Ion Ratio Lower Upper
84 100
86 65.0 44.7 82.9
49 121.1 86.7 160.9

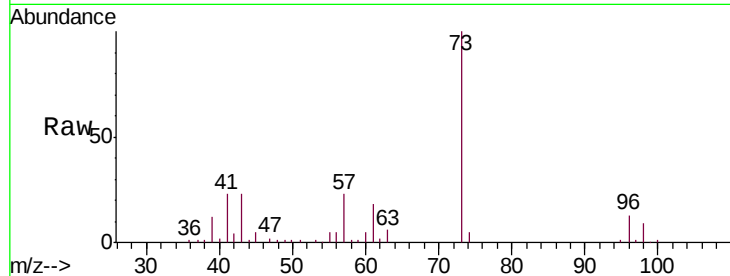




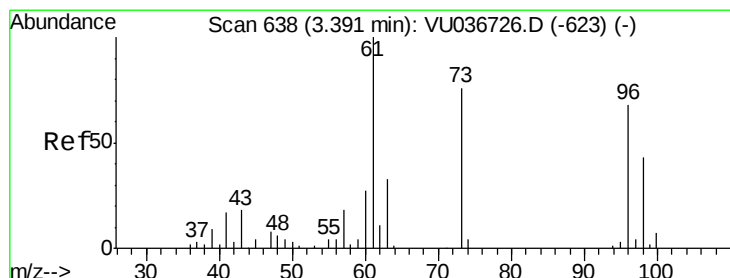
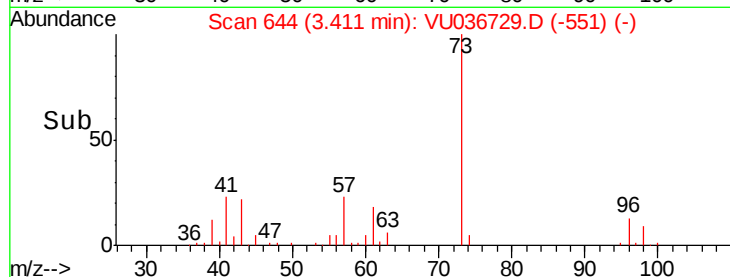
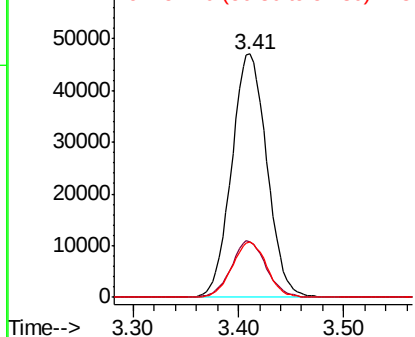
#17
Methyl tert-butyl Ether
Concen: 4.783 ug/L
RT: 3.41 min Scan# 644
Delta R.T. 0.00 min
Lab File: VU036729.D
Acq: 11 Feb 2020 17:56

Instrument :
MSVOA_U
ClientSampled :
VICV03

Tgt Ion: 73 Resp: 109166
Ion Ratio Lower Upper
73 100
43 23.0 18.7 28.1
57 22.3 17.9 26.9

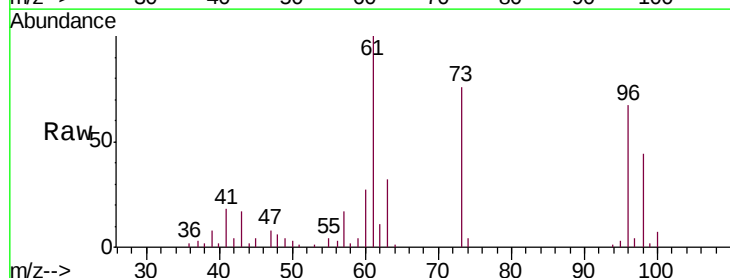


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

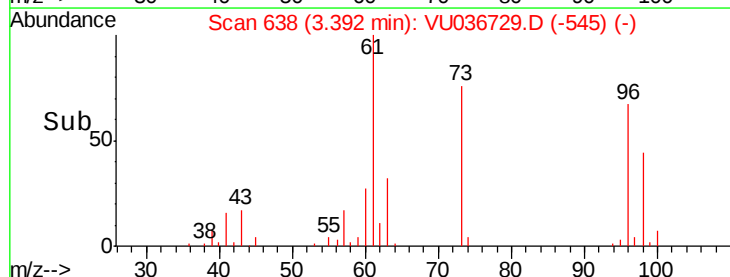
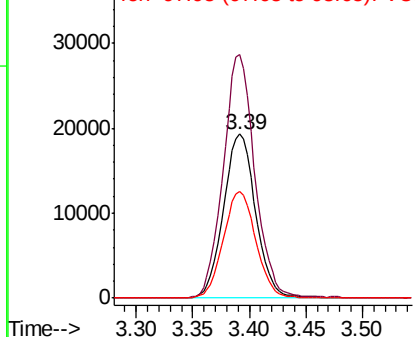


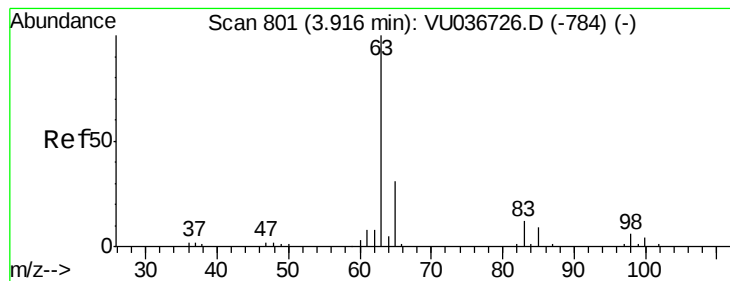
#18
trans-1,2-Dichloroethene
Concen: 4.806 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU036729.D
Acq: 11 Feb 2020 17:56

Tgt Ion: 96 Resp: 38226
Ion Ratio Lower Upper
96 100
61 148.5 102.6 190.5
98 64.9 44.5 82.7



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





#19

1,1-Dichloroethane

Concen: 4.812 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampleId :

VICV03

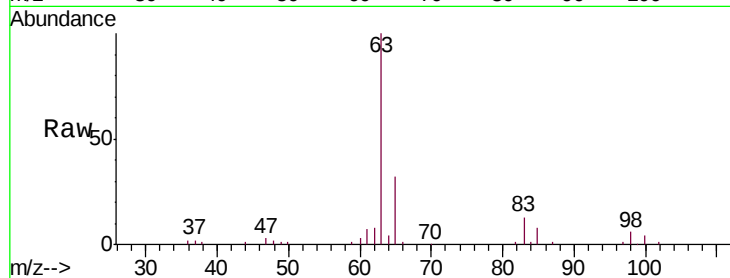
Tgt Ion: 63 Resp: 80244

Ion Ratio Lower Upper

63 100

65 31.5 21.6 40.2

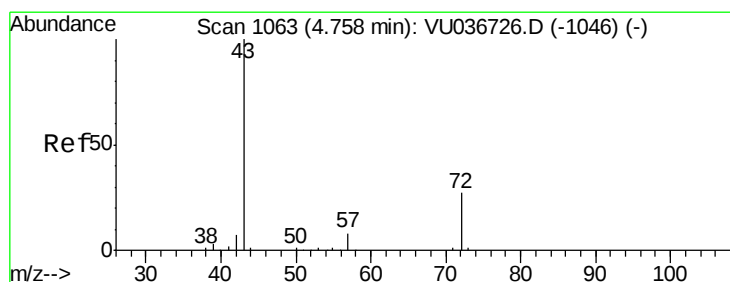
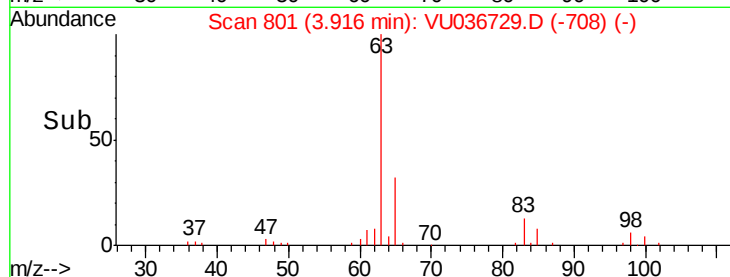
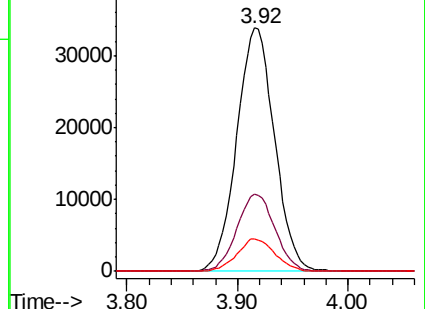
83 13.4 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU036729.D (-708) (-)

Ion 65.10 (64.80 to 65.80): VU036729.D (-708) (-)

Ion 83.05 (82.75 to 83.75): VU036729.D (-708) (-)



#21

2-Butanone

Concen: 47.164 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036729.D

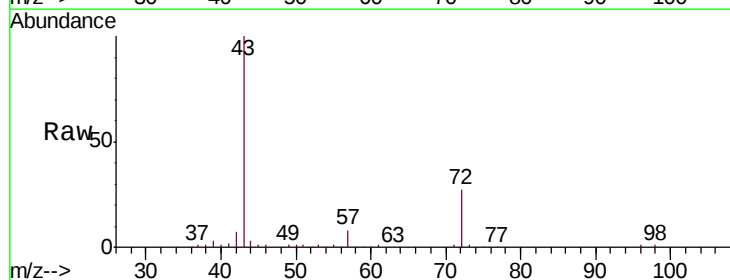
Acq: 11 Feb 2020 17:56

Tgt Ion: 43 Resp: 160299

Ion Ratio Lower Upper

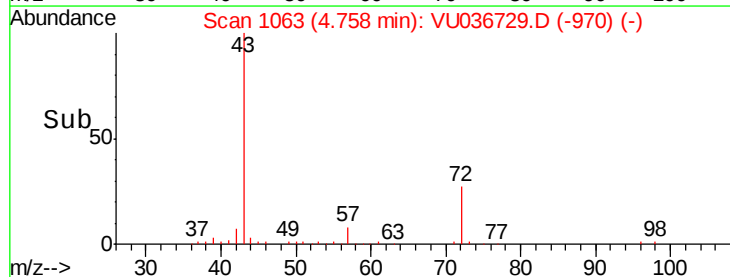
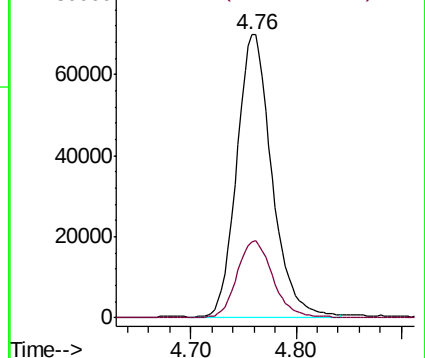
43 100

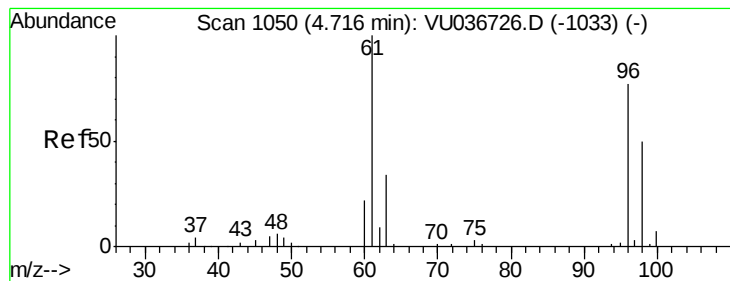
72 28.3 14.0 41.9



Abundance Ion 43.05 (42.75 to 43.75): VU036729.D (-970) (-)

Ion 72.10 (71.80 to 72.80): VU036729.D (-970) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.928 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampleId :

VICV03

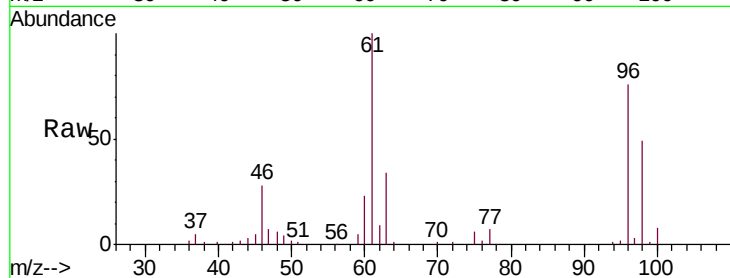
Tgt Ion: 96 Resp: 47427

Ion Ratio Lower Upper

96 100

61 131.2 91.2 169.4

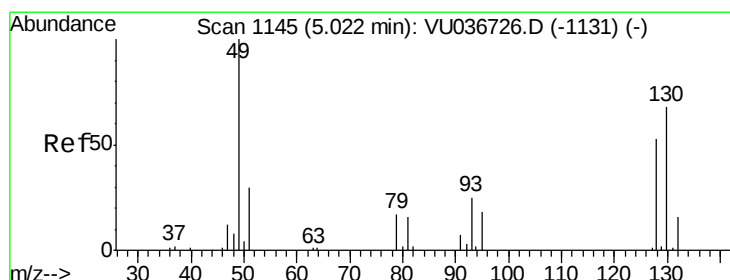
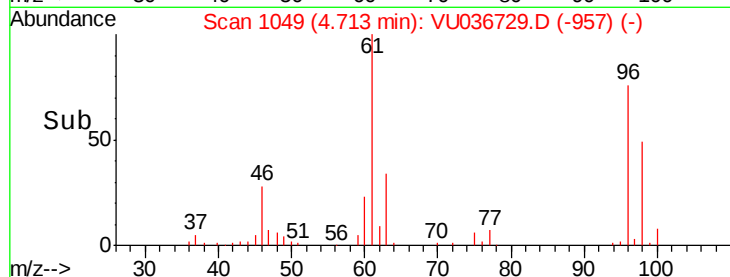
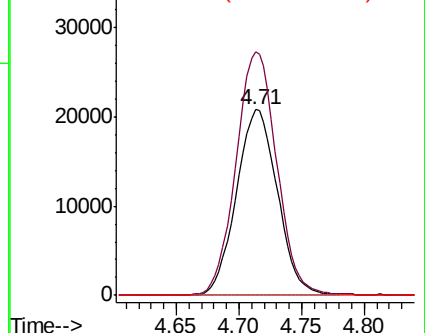
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036726.D (-1033) (-)

Ion 61.05 (60.75 to 61.75): VU036726.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU036726.D (-1033) (-)



#23

Bromochloromethane

Concen: 4.922 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Tgt Ion: 128 Resp: 18833

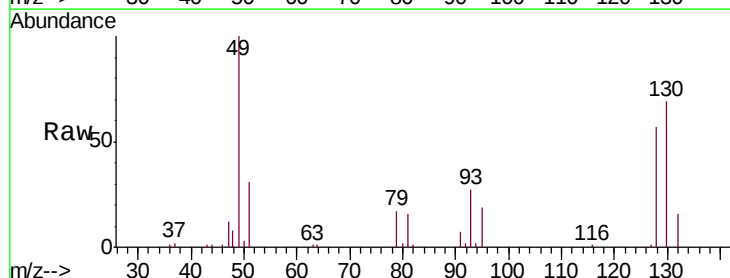
Ion Ratio Lower Upper

128 100

49 175.8 132.4 245.8

130 120.5 89.0 165.2

51 54.0 45.6 68.4

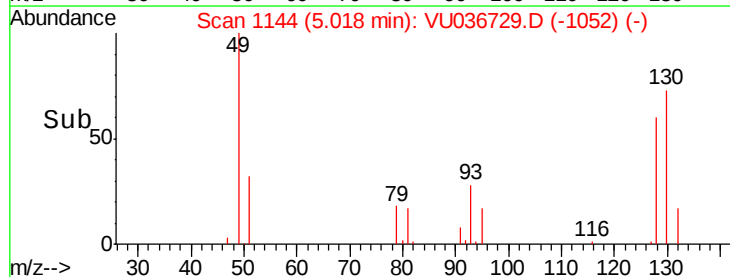
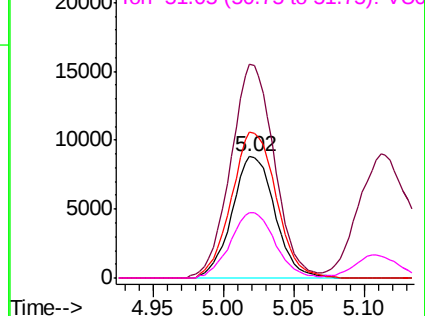


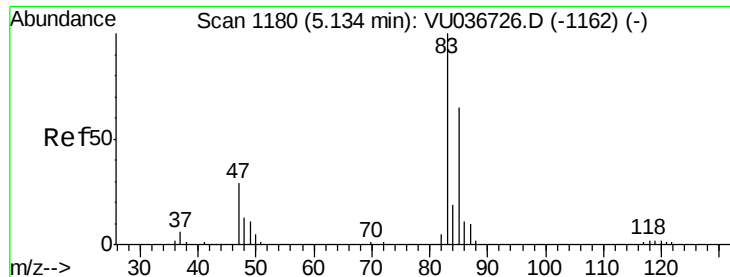
Abundance Ion 127.90 (127.60 to 128.60): VU036726.D (-1131) (-)

Ion 49.10 (48.80 to 49.80): VU036726.D (-1131) (-)

Ion 129.95 (129.65 to 130.65): VU036726.D (-1131) (-)

Ion 51.05 (50.75 to 51.75): VU036726.D (-1131) (-)

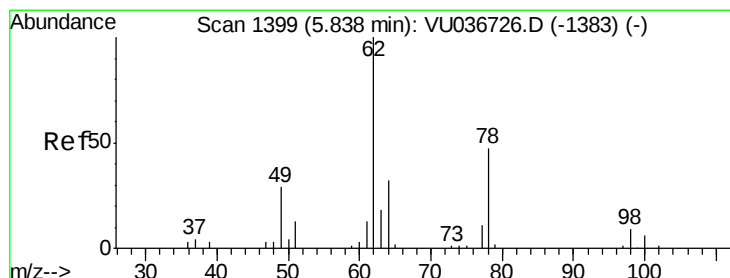
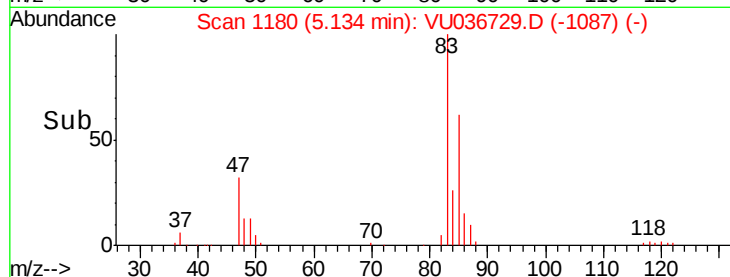
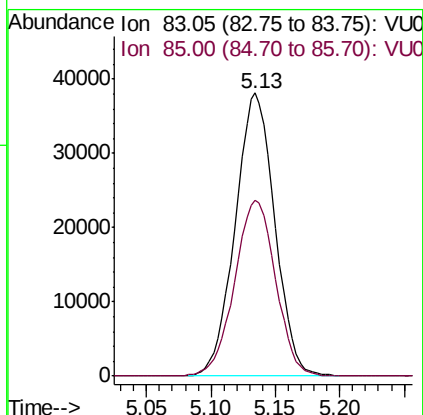
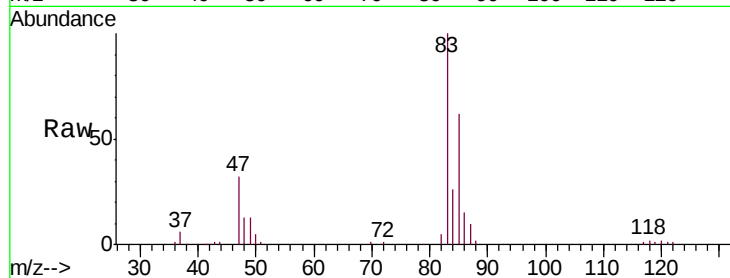




#25
Chloroform
Concen: 4.568 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036729.D
Acq: 11 Feb 2020 17:56

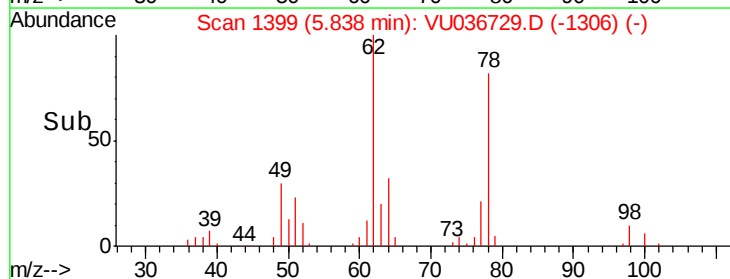
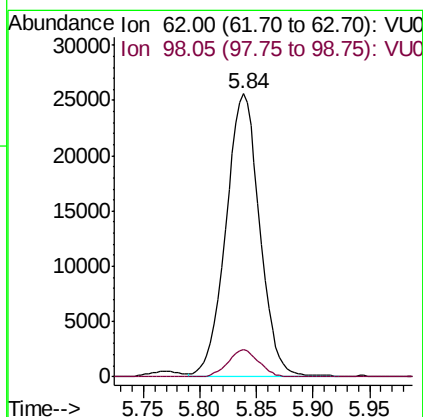
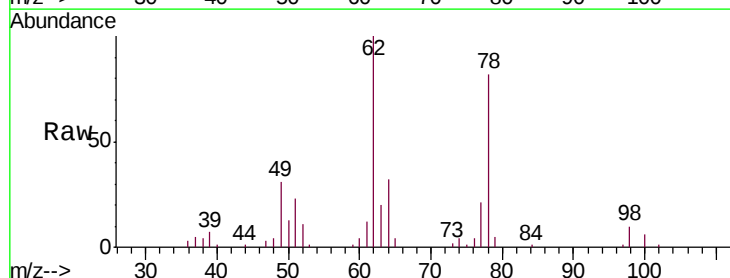
Instrument :
MSVOA_U
ClientSampled :
VICV03

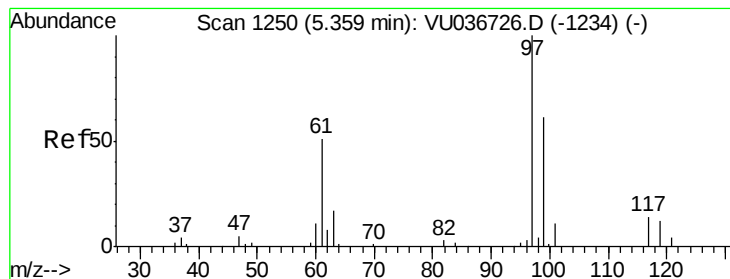
Tgt Ion: 83 Resp: 81367
Ion Ratio Lower Upper
83 100
85 62.2 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.699 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036729.D
Acq: 11 Feb 2020 17:56

Tgt Ion: 62 Resp: 53350
Ion Ratio Lower Upper
62 100
98 9.6 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 4.823 ug/L

RT: 5.36 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampled :

VICV03

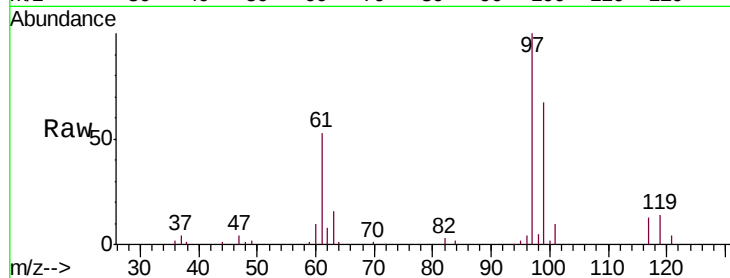
Tgt Ion: 97 Resp: 61665

Ion Ratio Lower Upper

97 100

99 65.3 51.0 76.4

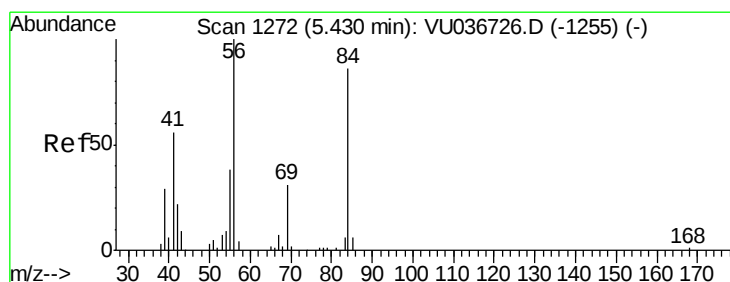
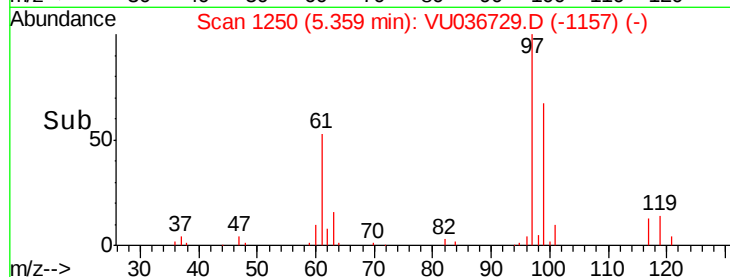
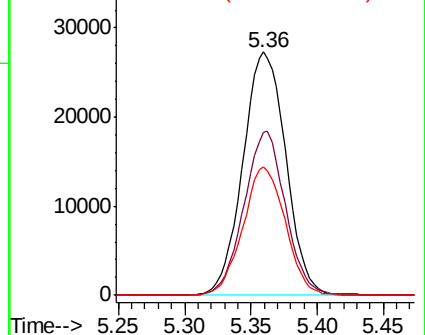
61 52.2 41.6 62.4



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: 4.848 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

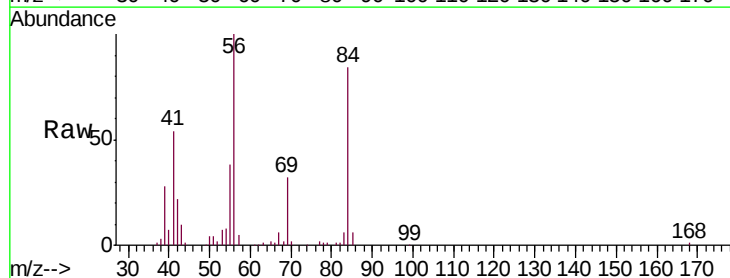
Tgt Ion: 56 Resp: 65832

Ion Ratio Lower Upper

56 100

69 32.1 24.6 37.0

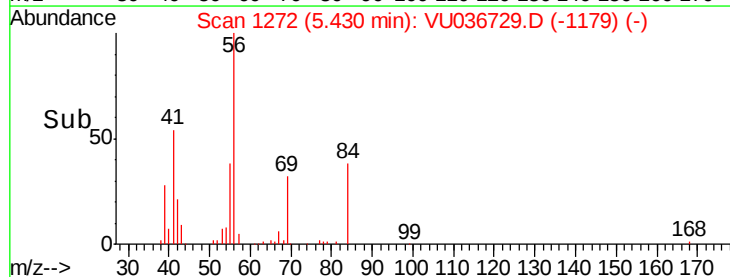
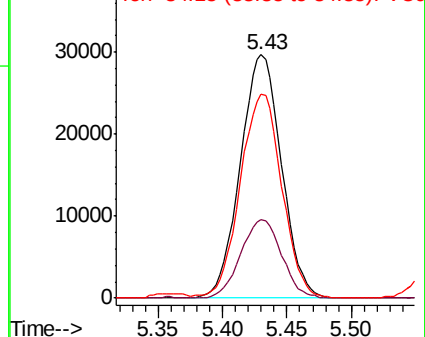
84 85.1 70.0 105.0

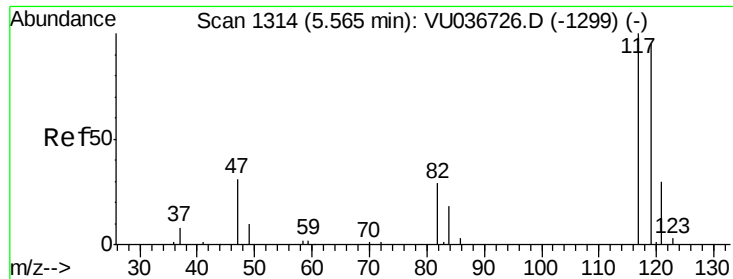


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.796 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampled :

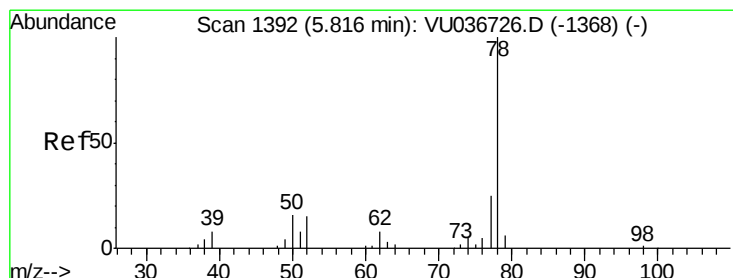
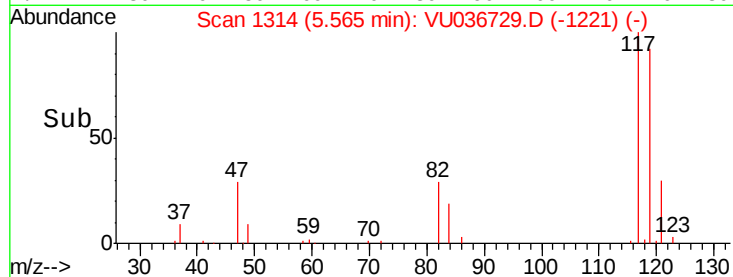
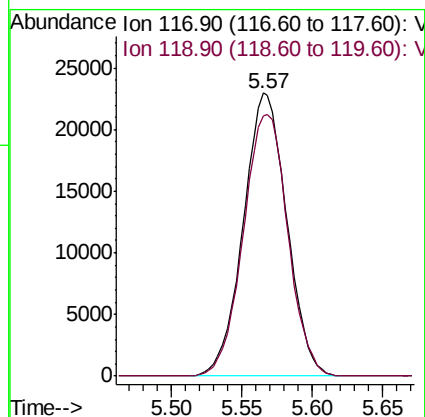
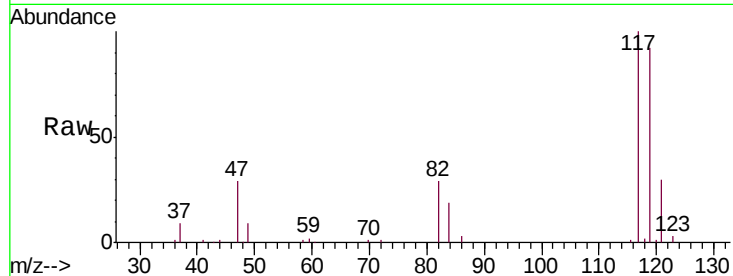
VICV03

Tgt Ion:117 Resp: 49462

Ion Ratio Lower Upper

117 100

119 94.7 74.5 111.7



#33

Benzene

Concen: 4.815 ug/L

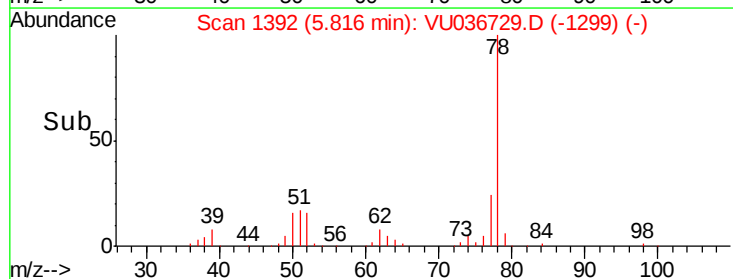
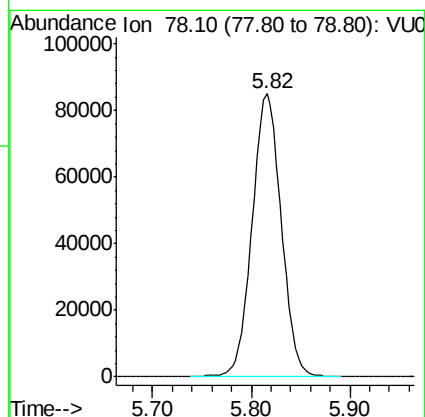
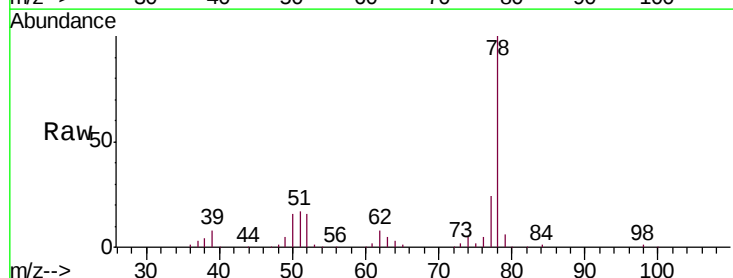
RT: 5.82 min Scan# 1392

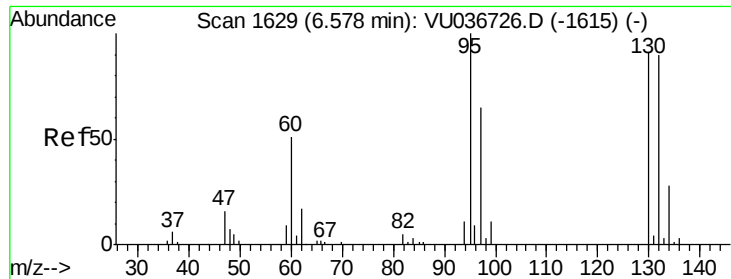
Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Tgt Ion: 78 Resp: 172879





#34

Trichloroethene

Concen: 4.859 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampleId :

VICV03

Tgt Ion: 95 Resp: 44438

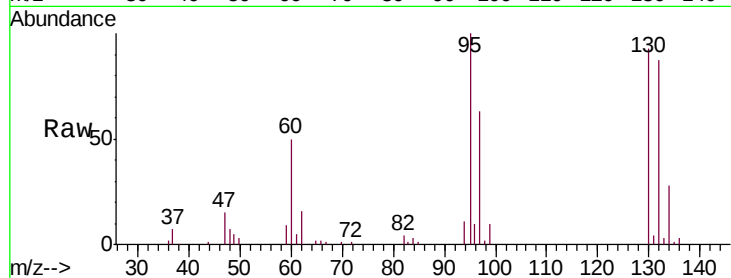
Ion Ratio Lower Upper

95 100

97 62.6 45.6 84.8

132 87.3 62.8 116.6

130 93.2 63.8 118.4

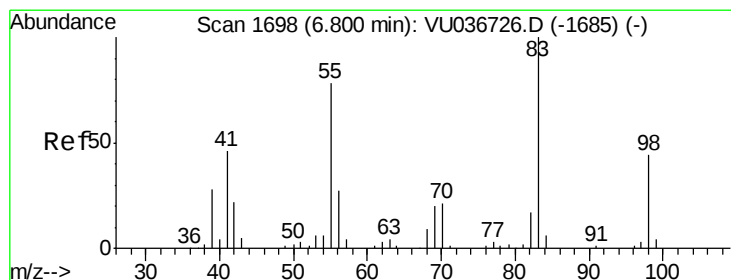
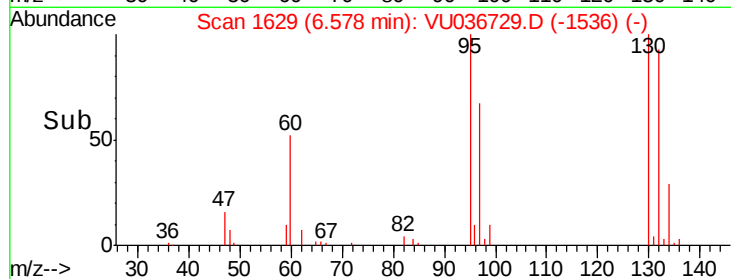
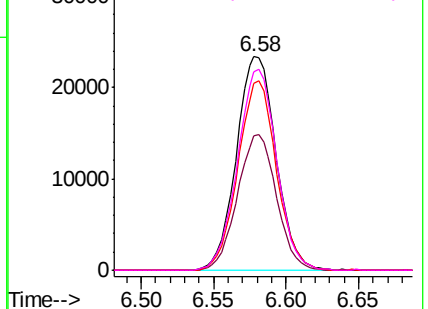


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.765 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

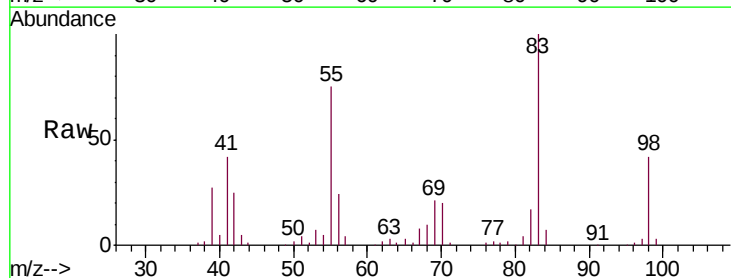
Tgt Ion: 83 Resp: 69143

Ion Ratio Lower Upper

83 100

55 76.5 61.0 91.4

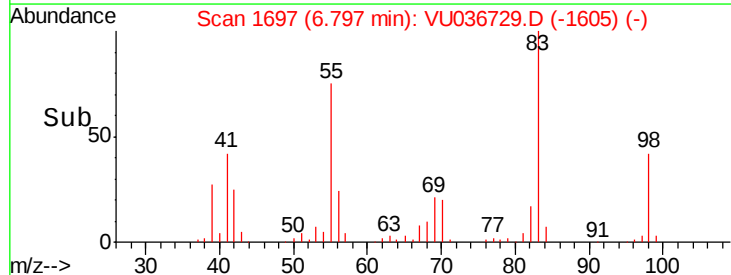
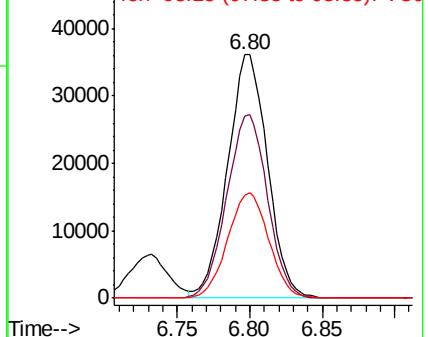
98 44.5 34.2 51.4

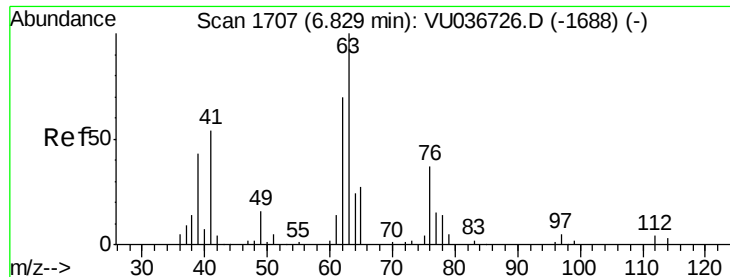


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

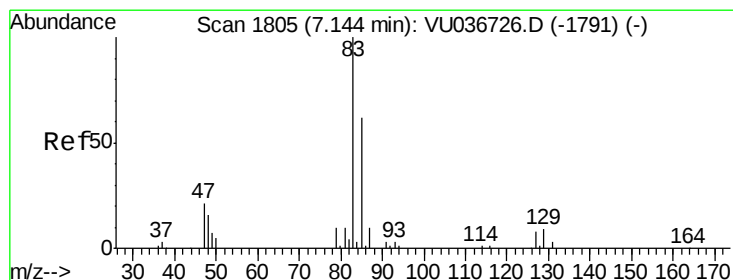
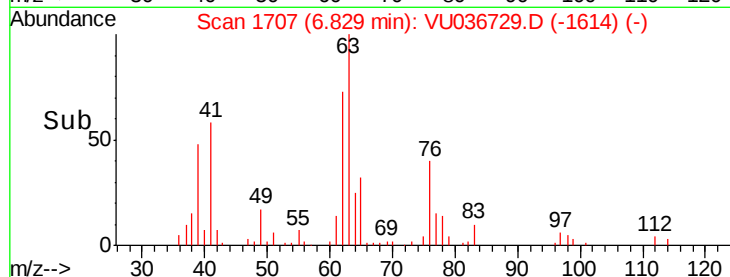
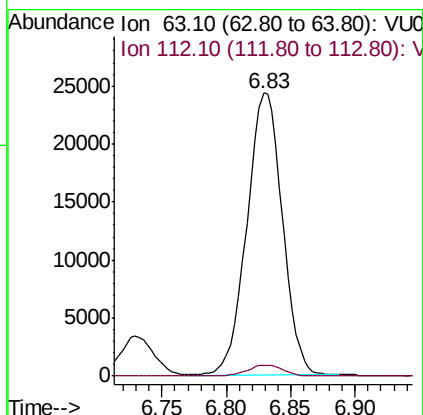
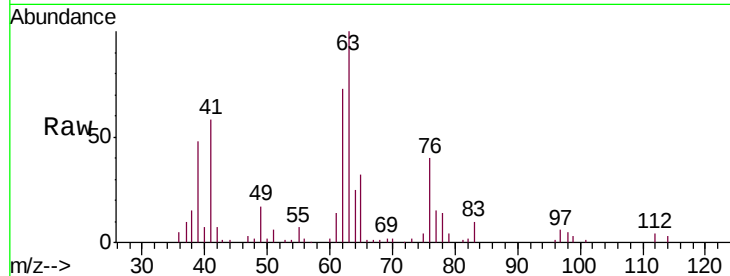




#37
 1,2-Dichloropropane
 Concen: 4.777 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036729.D
 Acq: 11 Feb 2020 17:56

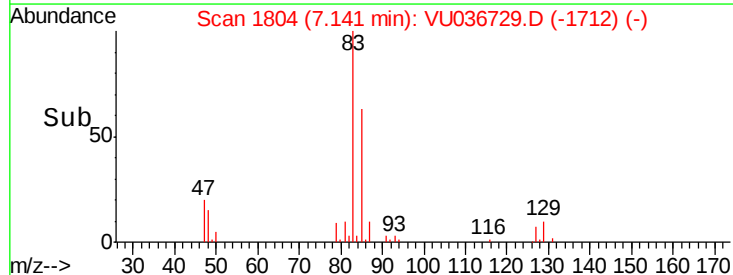
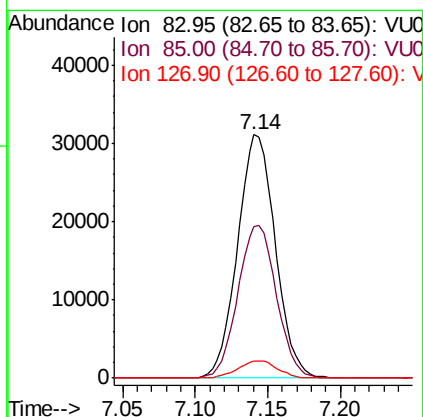
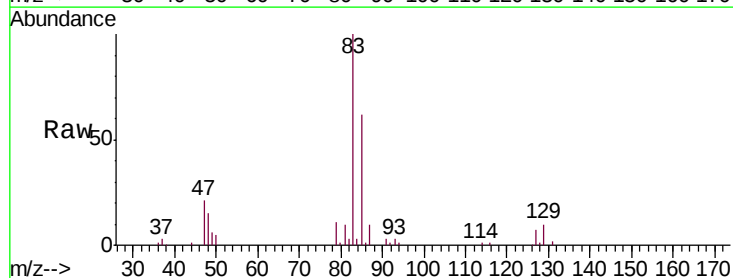
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

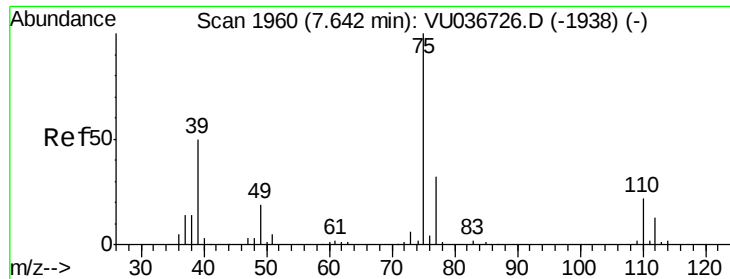
Tgt Ion: 63 Resp: 46828
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.4



#38
 Bromodichloromethane
 Concen: 4.821 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036729.D
 Acq: 11 Feb 2020 17:56

Tgt Ion: 83 Resp: 56400
 Ion Ratio Lower Upper
 83 100
 85 62.1 43.0 80.0
 127 7.0 6.3 9.5

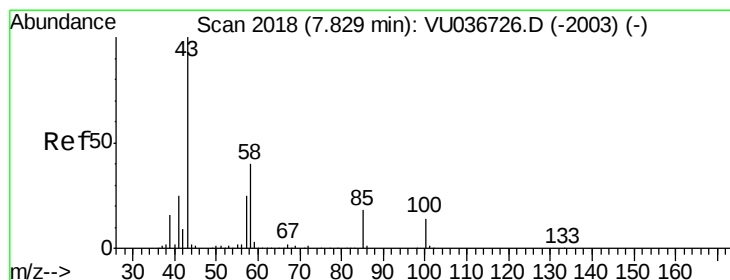
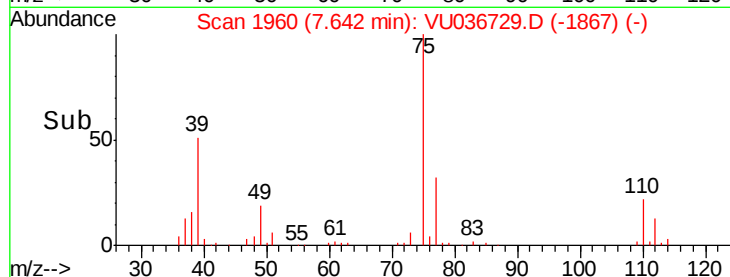
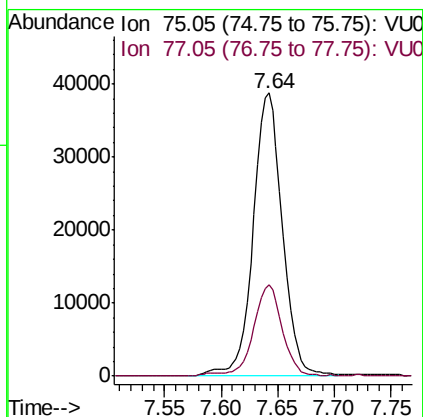
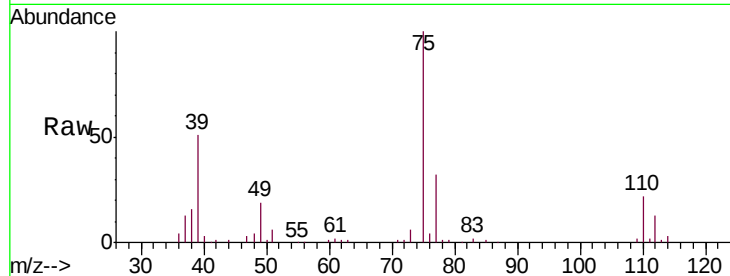




#39
 cis-1,3-Dichloropropene
 Concen: 4.917 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036729.D
 Acq: 11 Feb 2020 17:56

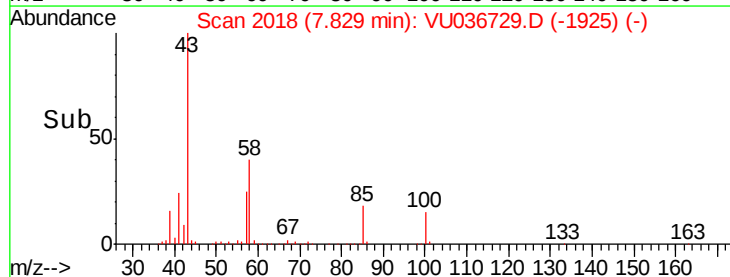
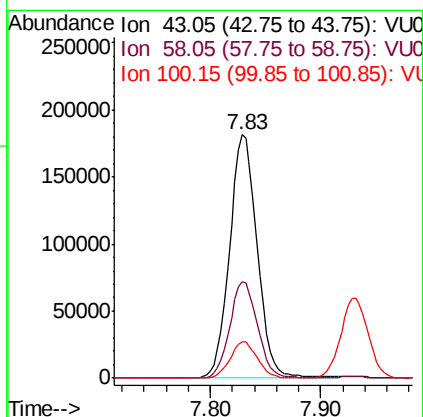
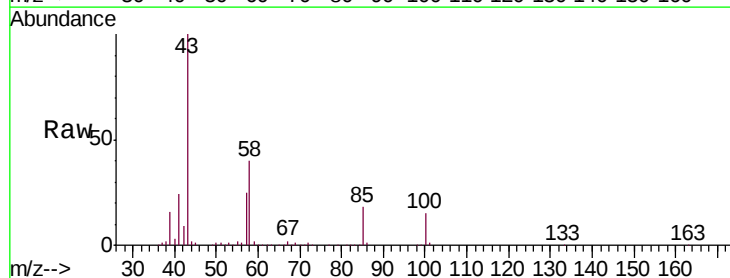
Instrument :
 MSVOA_U
 ClientSampled :
 VICV03

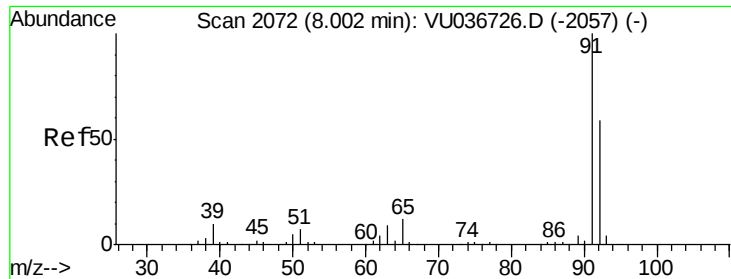
Tgt Ion: 75 Resp: 69750
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 49.852 ug/L
 RT: 7.83 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU036729.D
 Acq: 11 Feb 2020 17:56

Tgt Ion: 43 Resp: 315385
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.0 48.0
 100 14.7 11.8 17.8





#42

Toluene

Concen: 4.911 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampleId :

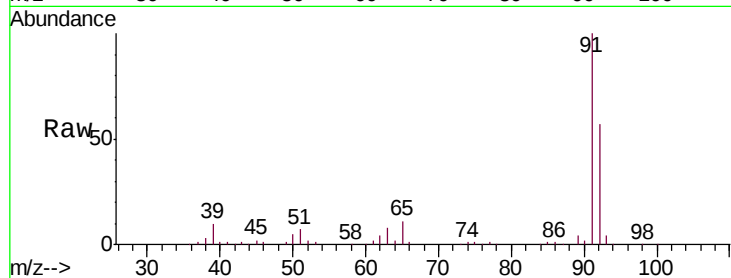
VICV03

Tgt Ion: 91 Resp: 189391

Ion Ratio Lower Upper

91 100

92 56.8 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036726.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036729.D (-1979) (-)

8.00

120000

100000

80000

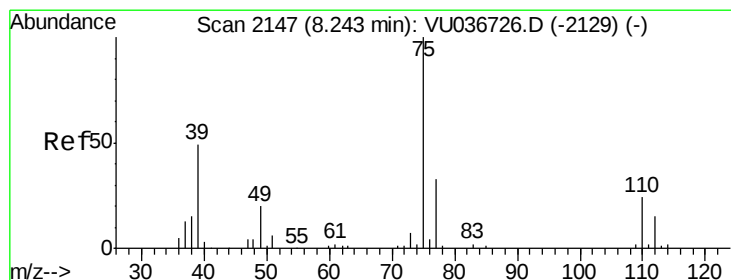
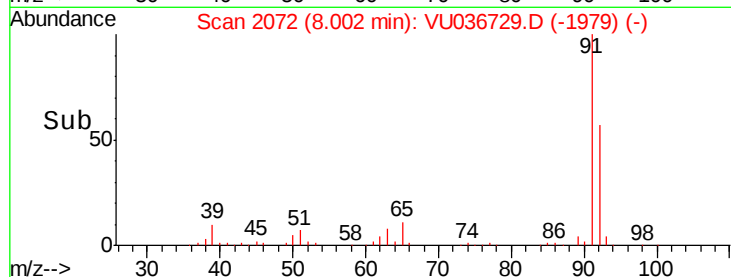
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 5.039 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036729.D

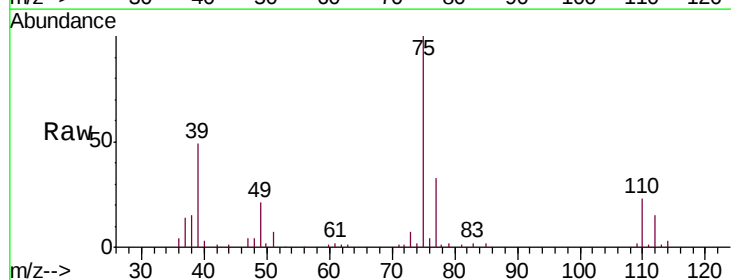
Acq: 11 Feb 2020 17:56

Tgt Ion: 75 Resp: 55862

Ion Ratio Lower Upper

75 100

77 33.0 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036726.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036729.D (-2054) (-)

8.24

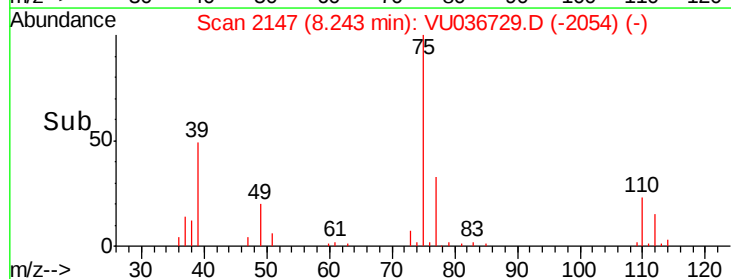
30000

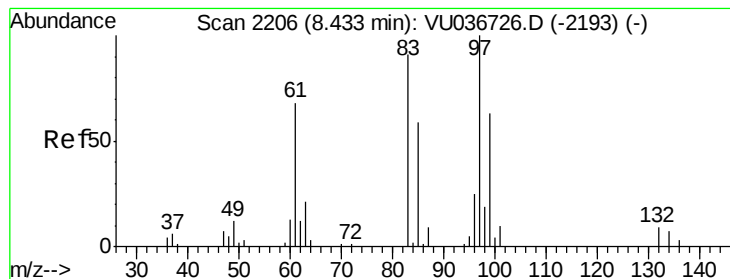
20000

10000

0

Time--> 8.20 8.30





#45

1,1,2-Trichloroethane

Concen: 4.812 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampleId :

VICV03

Tgt Ion: 97 Resp: 32820

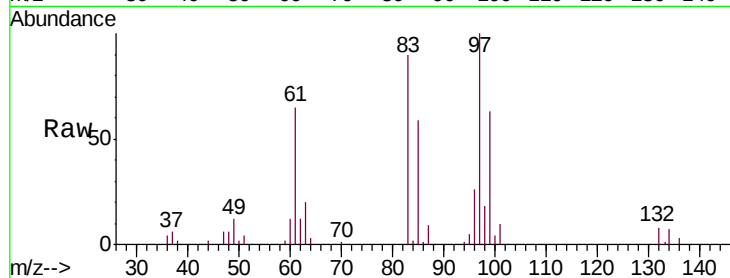
Ion Ratio Lower Upper

97 100

99 63.4 44.1 81.9

83 90.3 63.5 117.9

85 58.7 41.2 76.4

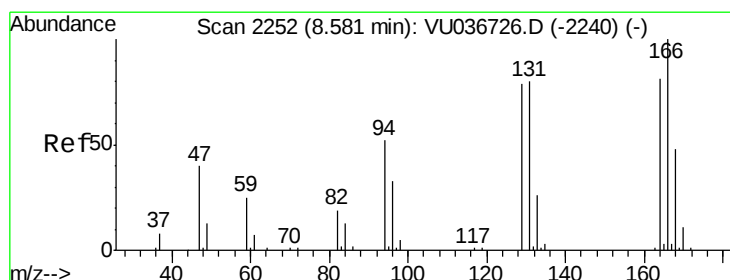
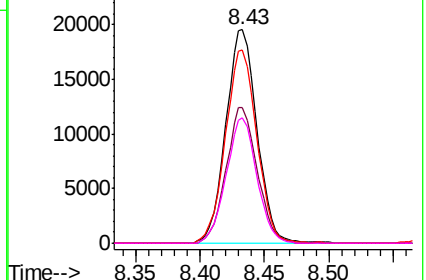
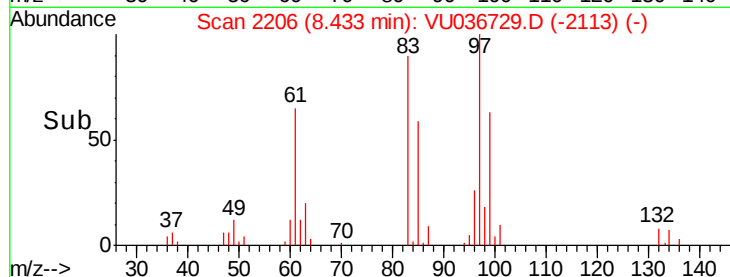


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.745 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Tgt Ion: 164 Resp: 29518

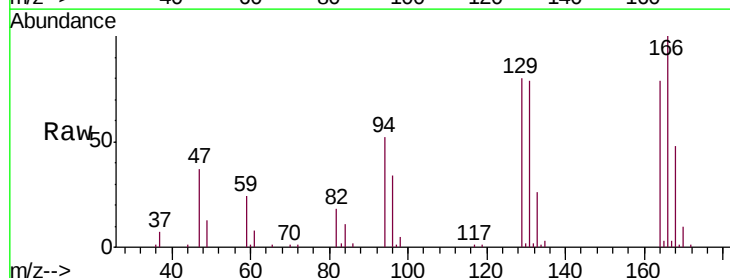
Ion Ratio Lower Upper

164 100

129 102.2 68.0 126.4

131 100.0 69.4 128.8

166 127.0 86.6 160.8

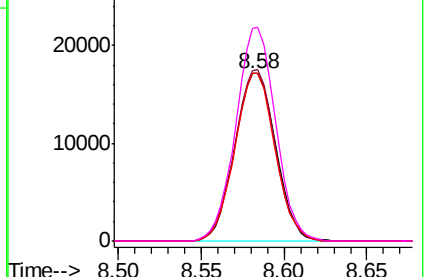
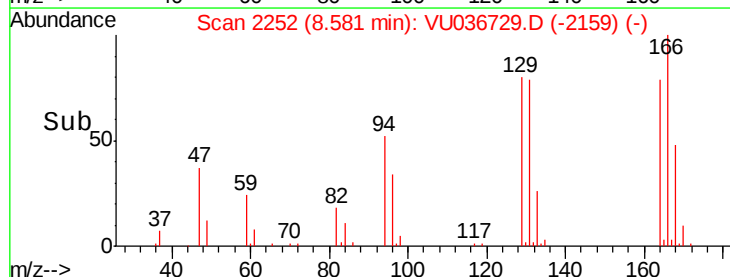


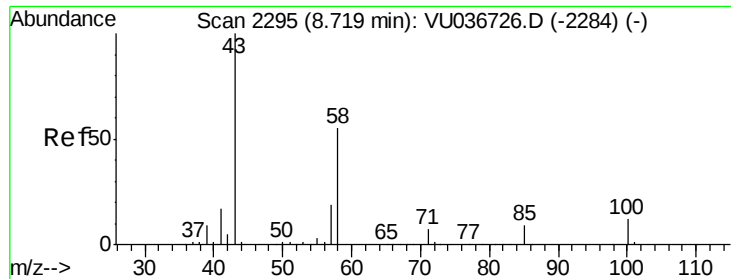
Abundance Ion 163.90 (163.60 to 164.60): V

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

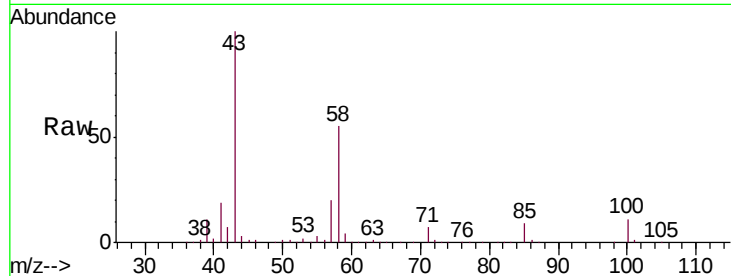




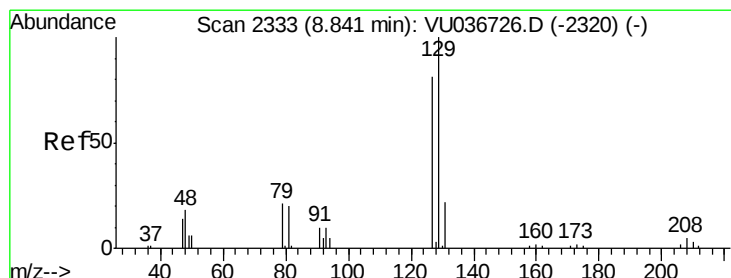
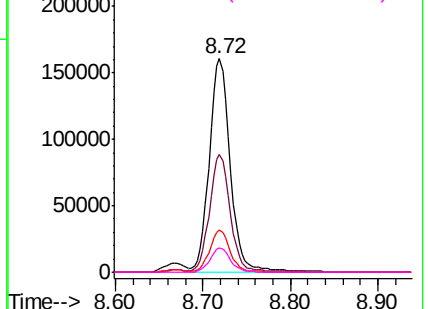
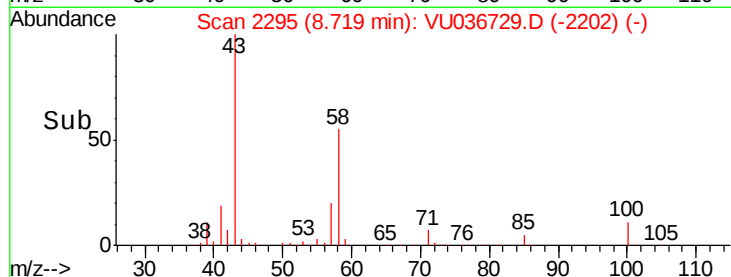
#48
2-Hexanone
Concen: 49.604 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036729.D
Acq: 11 Feb 2020 17:56

Instrument :
MSVOA_U
ClientSampled :
VICV03

Tgt Ion:	43	Resp:	268550
Ion	Ratio	Lower	Upper
43	100		
58	53.3	43.6	65.4
57	19.0	15.0	22.4
100	11.2	9.0	13.6

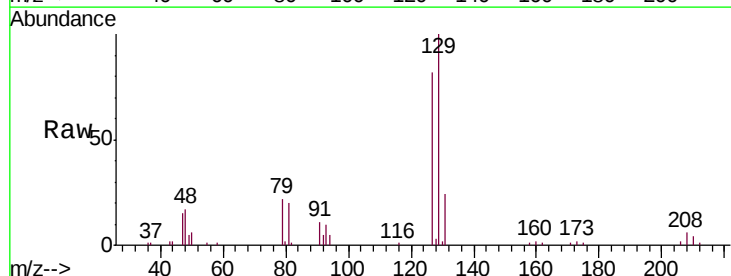


Abundance Ion 43.05 (42.75 to 43.75): VU036729.D (-2202) (-)
Ion 58.05 (57.75 to 58.75): VU036729.D (-2202) (-)
Ion 57.20 (56.90 to 57.90): VU036729.D (-2202) (-)
Ion 100.15 (99.85 to 100.85): VU036729.D (-2202) (-)

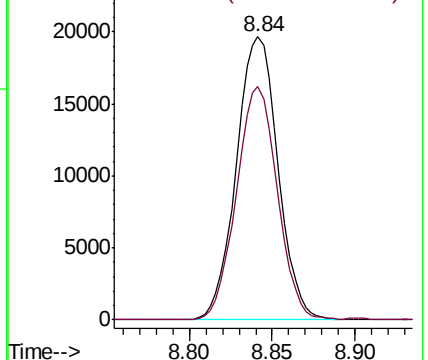
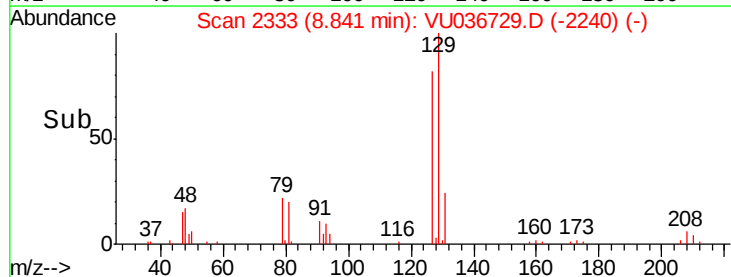


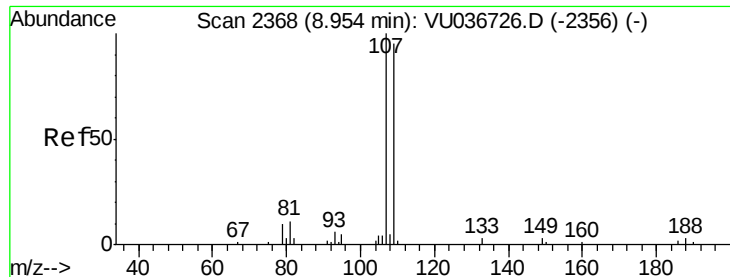
#49
Dibromochloromethane
Concen: 4.869 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036729.D
Acq: 11 Feb 2020 17:56

Tgt Ion:	129	Resp:	34345
Ion	Ratio	Lower	Upper
129	100		
127	82.3	56.7	105.3



Abundance Ion 128.95 (128.65 to 129.65): VU036729.D (-2240) (-)
Ion 126.90 (126.60 to 127.60): VU036729.D (-2240) (-)

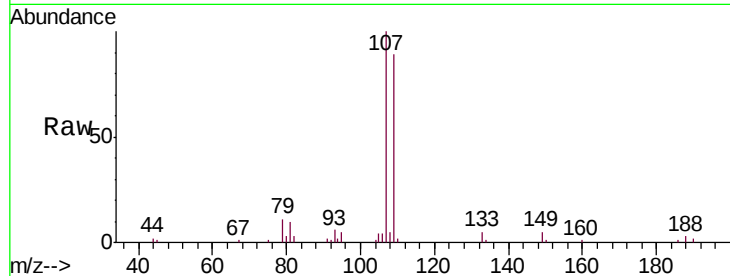




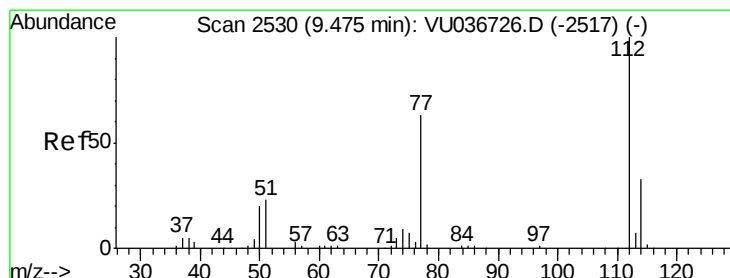
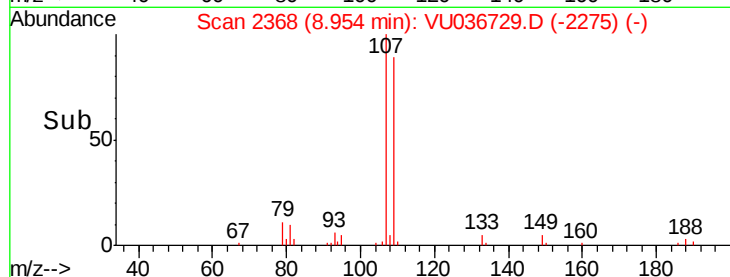
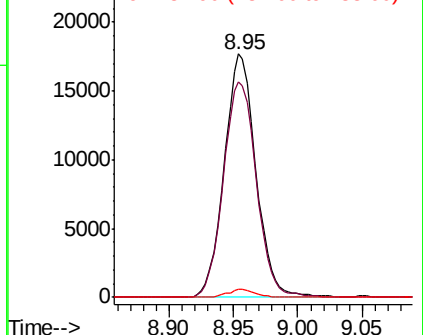
#50
 1,2-Dibromoethane
 Concen: 4.885 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VU036729.D
 Acq: 11 Feb 2020 17:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

Tgt Ion:107 Resp: 30090
 Ion Ratio Lower Upper
 107 100
 109 88.7 66.4 123.2
 188 3.1 2.4 3.6

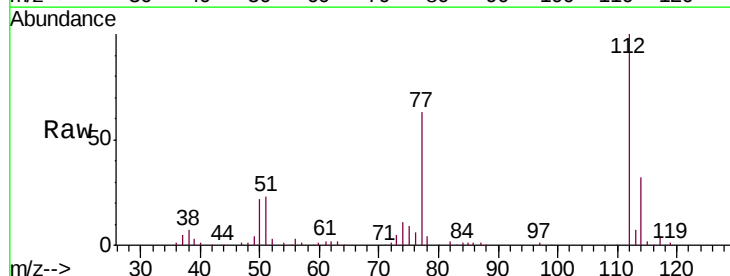


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

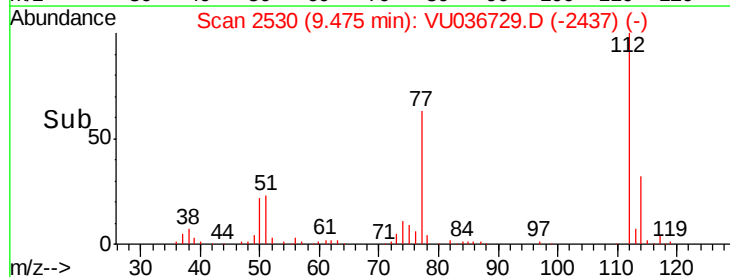
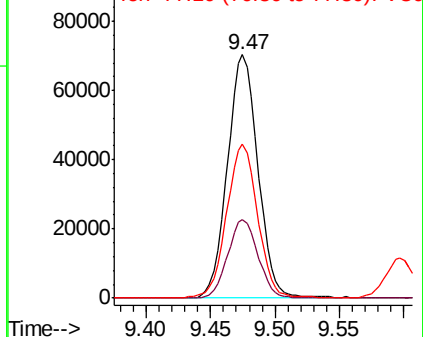


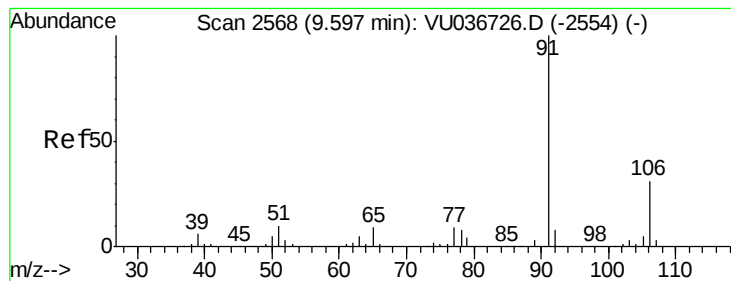
#51
 Chlorobenzene
 Concen: 4.847 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036729.D
 Acq: 11 Feb 2020 17:56

Tgt Ion:112 Resp: 115617
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.9 42.5
 77 63.0 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): V





#52

Ethylbenzene

Concen: 4.878 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampled :

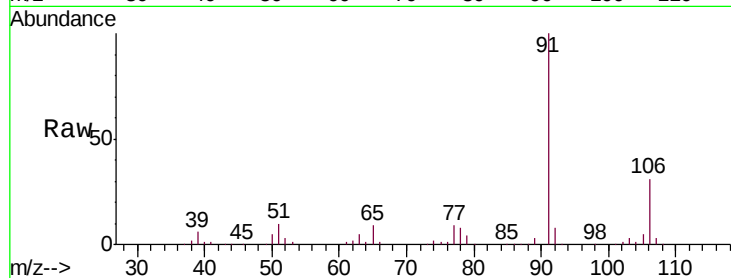
VICV03

Tgt Ion: 91 Resp: 210099

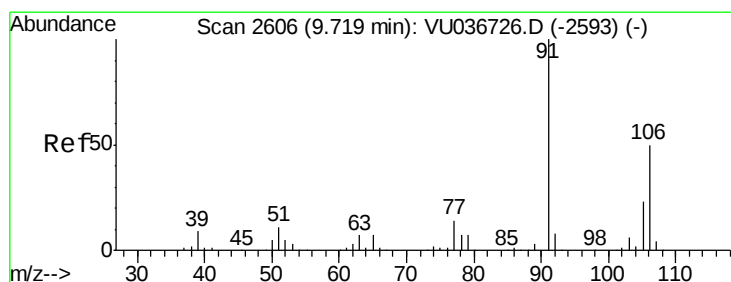
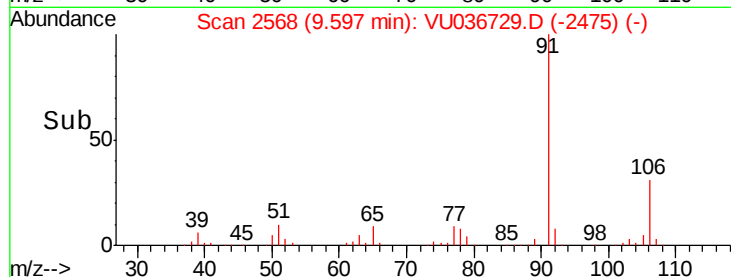
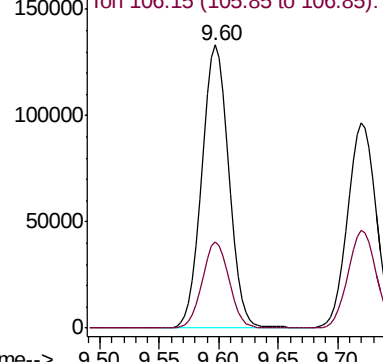
Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036729.D (-2475) (-)



#53

m,p-Xylene

Concen: 4.827 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036729.D

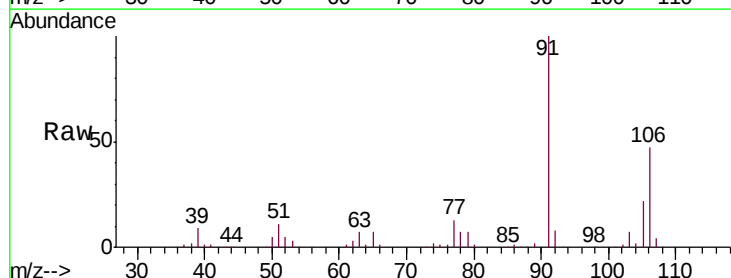
Acq: 11 Feb 2020 17:56

Tgt Ion: 106 Resp: 76509

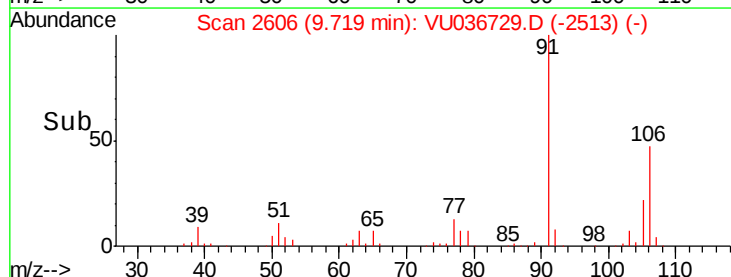
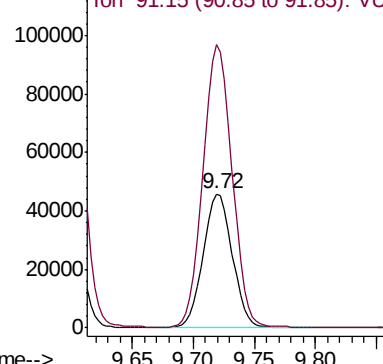
Ion Ratio Lower Upper

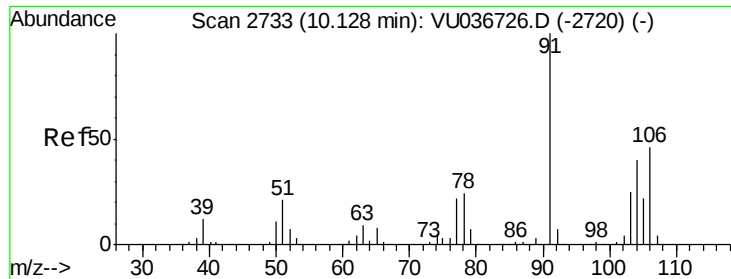
106 100

91 211.0 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036729.D (-2513) (-)

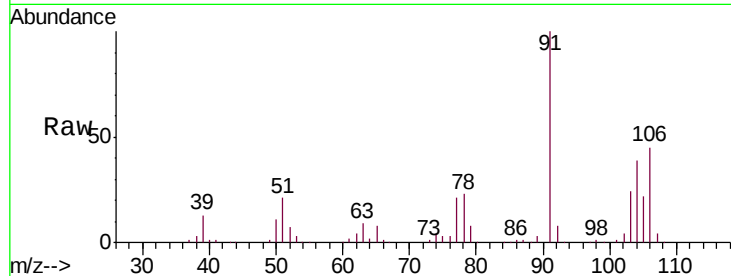




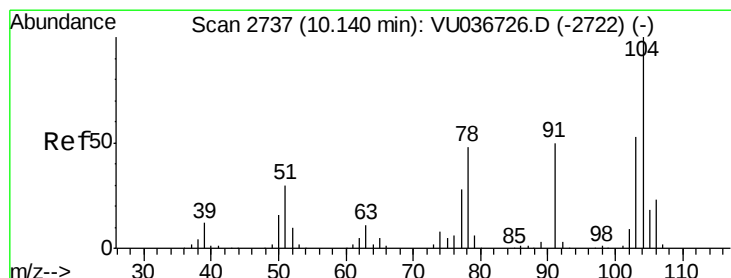
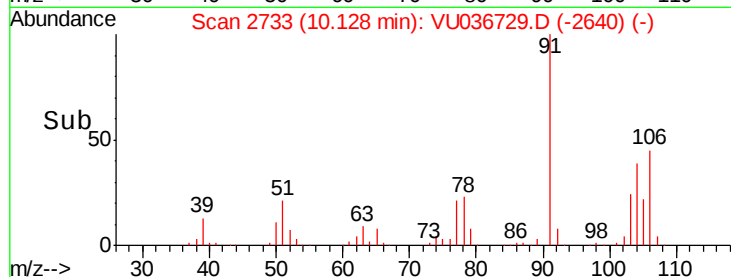
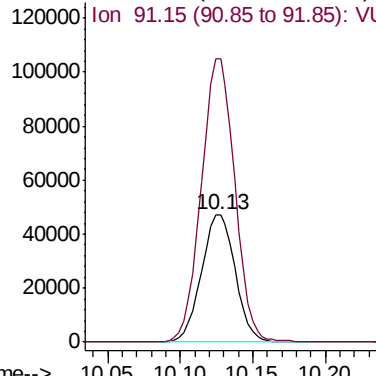
#54
o-Xylene
Concen: 4.911 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036729.D
Acq: 11 Feb 2020 17:56

Instrument :
MSVOA_U
ClientSampleId :
VICV03

Tgt Ion:106 Resp: 76432
Ion Ratio Lower Upper
106 100
91 221.6 151.1 280.5

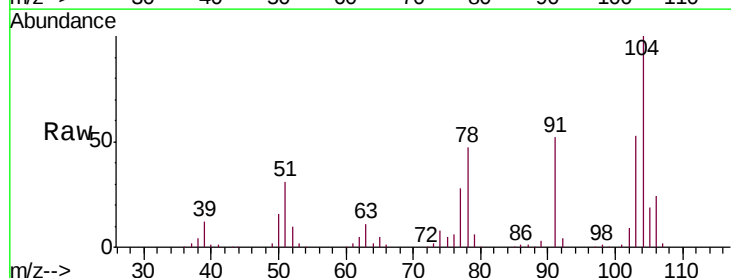


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

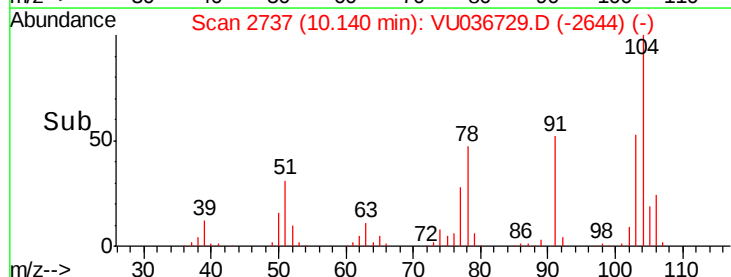
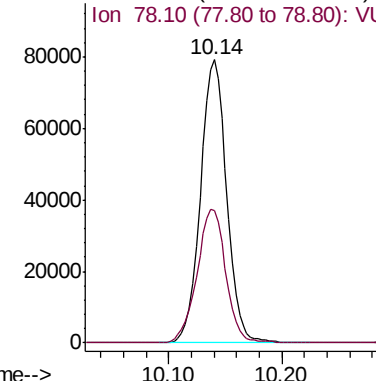


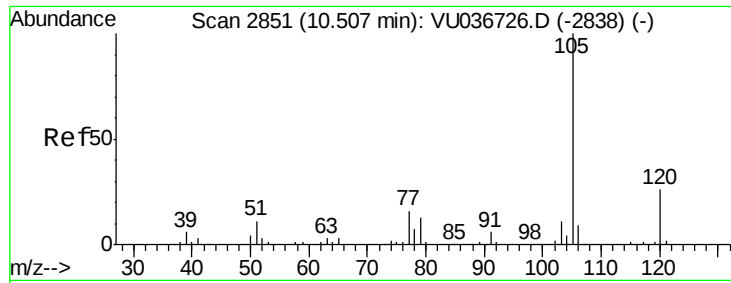
#55
Styrene
Concen: 4.871 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036729.D
Acq: 11 Feb 2020 17:56

Tgt Ion:104 Resp: 127817
Ion Ratio Lower Upper
104 100
78 46.9 33.5 62.3



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





#56

Isopropylbenzene

Concen: 4.906 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampleId :

VICV03

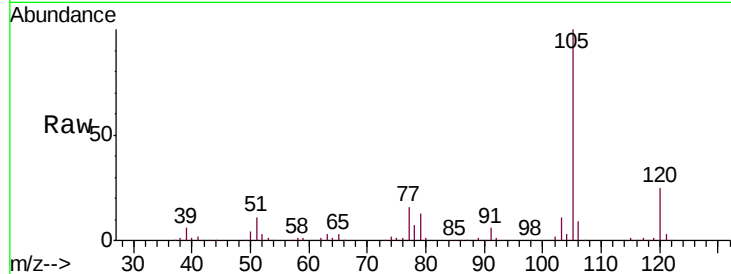
Tgt Ion: 105 Resp: 204367

Ion Ratio Lower Upper

105 100

120 25.3 20.5 30.7

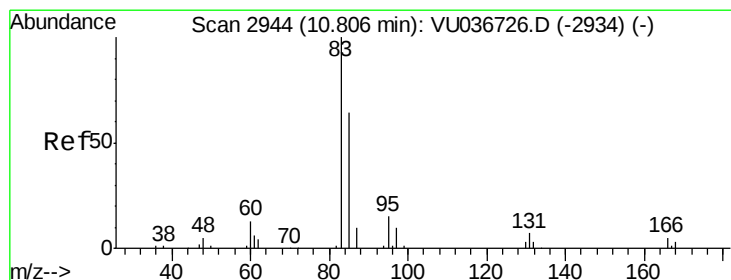
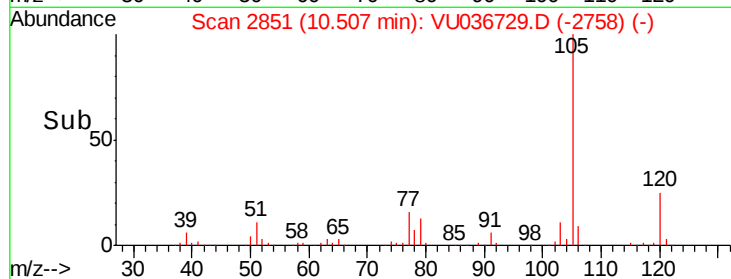
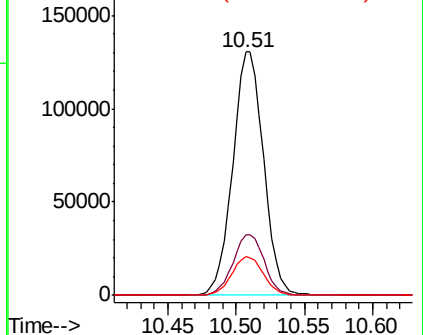
77 16.3 13.0 19.6



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: 5.022 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

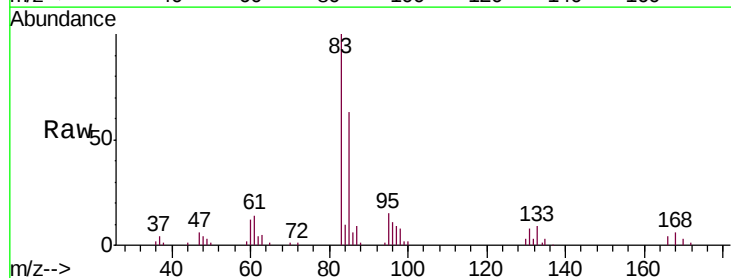
Tgt Ion: 83 Resp: 44833

Ion Ratio Lower Upper

83 100

85 63.3 45.6 84.6

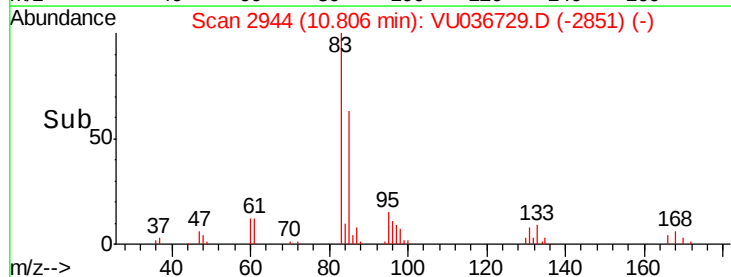
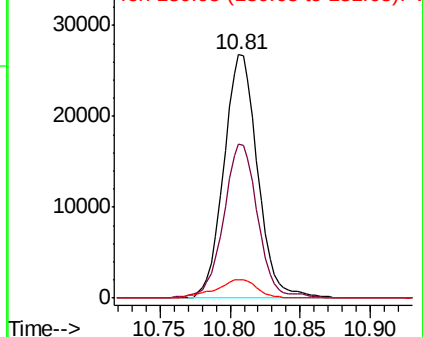
131 7.7 6.8 10.2

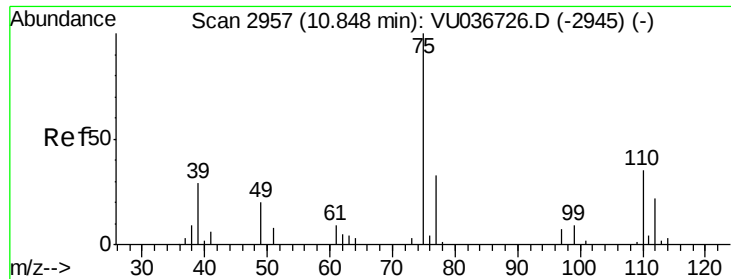


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.962 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampleId :

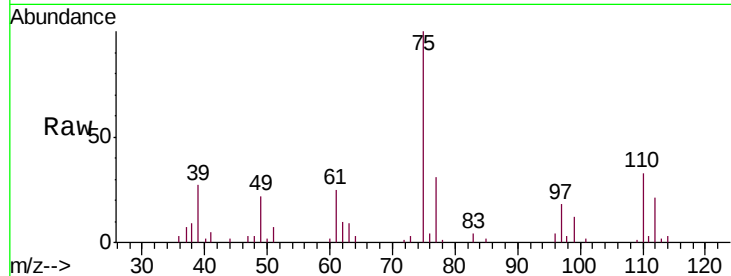
VICV03

Tgt Ion: 75 Resp: 32120

Ion Ratio Lower Upper

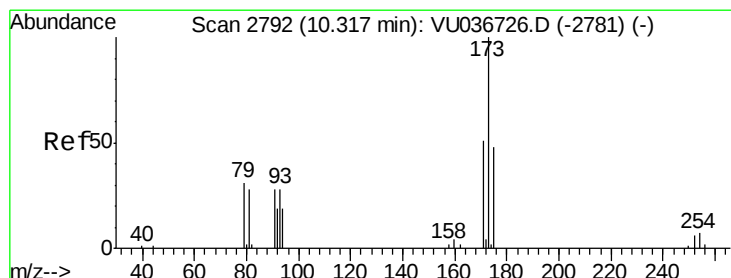
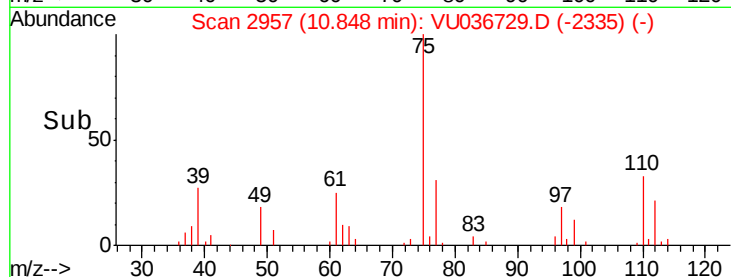
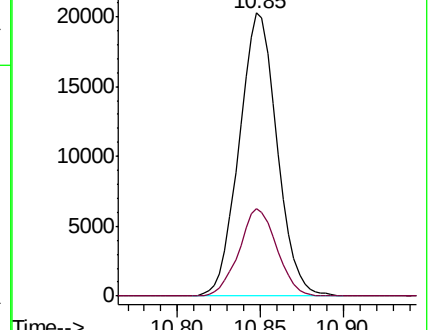
75 100

77 30.7 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU036726.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU036726.D (-2945) (-)



#61

Bromoform

Concen: 4.851 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

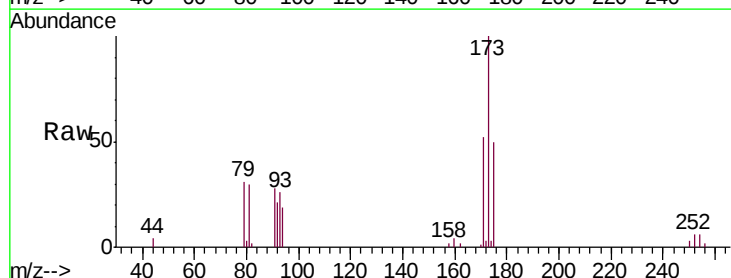
Tgt Ion: 173 Resp: 17987

Ion Ratio Lower Upper

173 100

175 47.1 39.9 59.9

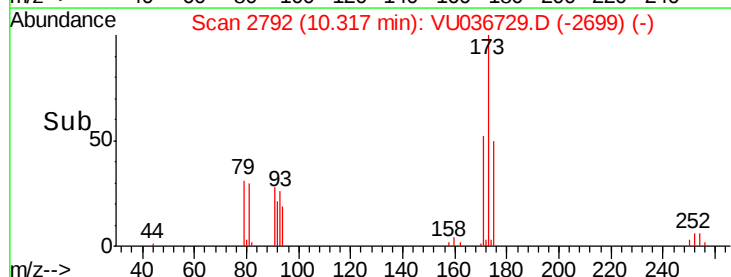
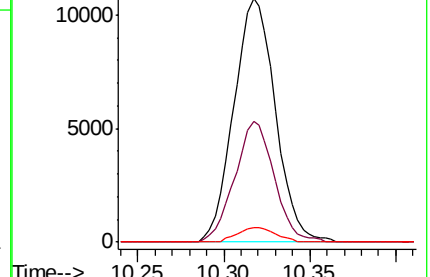
254 5.6 4.6 6.8

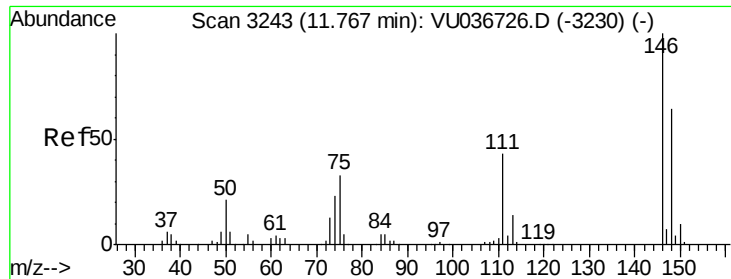


Abundance Ion 172.90 (172.60 to 173.60): VU036726.D (-2781) (-)

Ion 174.90 (174.60 to 175.60): VU036726.D (-2781) (-)

Ion 253.75 (253.45 to 254.45): VU036726.D (-2781) (-)





#62

1,3-Dichlorobenzene

Concen: 4.761 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampleId :

VICV03

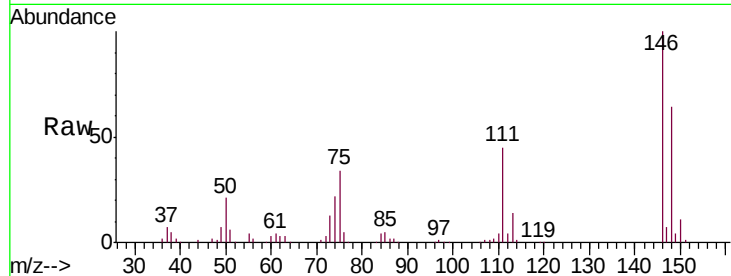
Tgt Ion:146 Resp: 88282

Ion Ratio Lower Upper

146 100

111 45.1 30.0 55.8

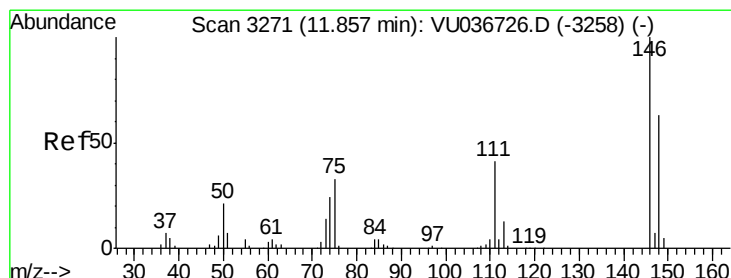
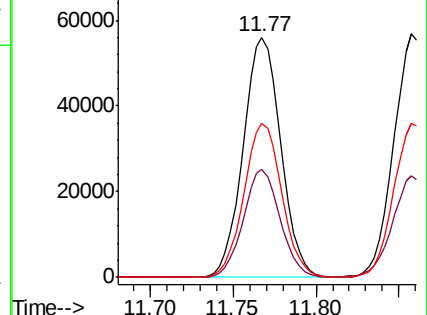
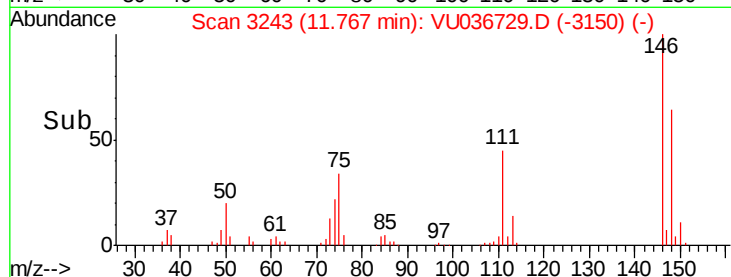
148 64.0 44.5 82.7



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: 4.813 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

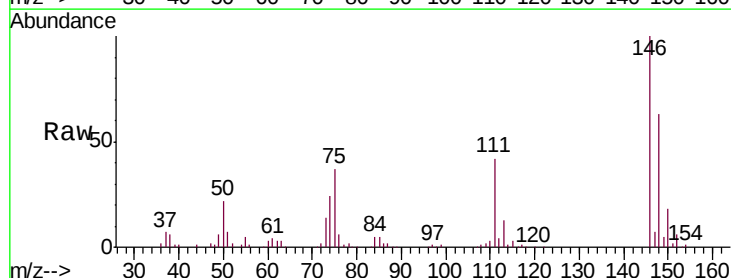
Tgt Ion:146 Resp: 88465

Ion Ratio Lower Upper

146 100

111 41.9 29.2 54.2

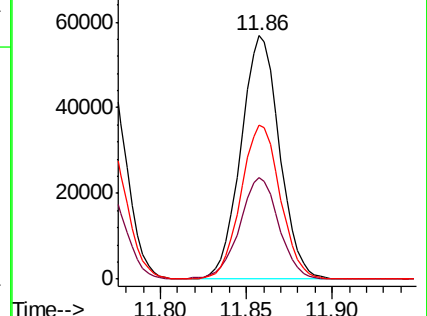
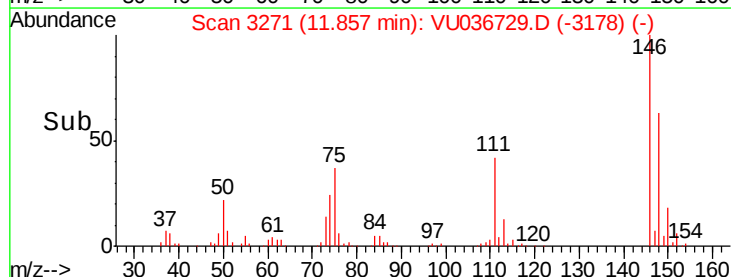
148 63.3 44.3 82.3

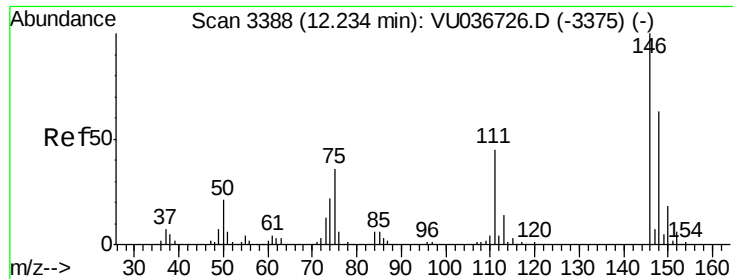


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.787 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampleId :

VICV03

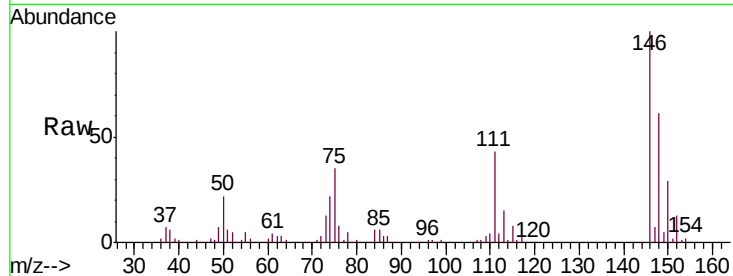
Tgt Ion:146 Resp: 85577

Ion Ratio Lower Upper

146 100

111 42.9 35.9 53.9

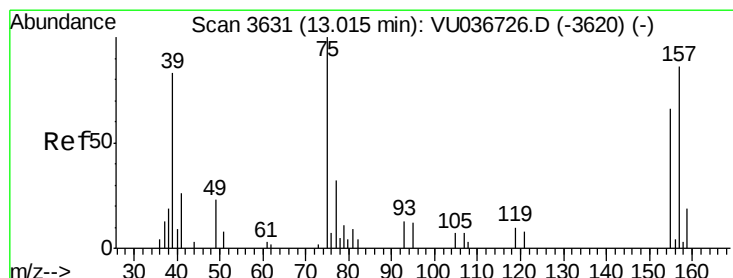
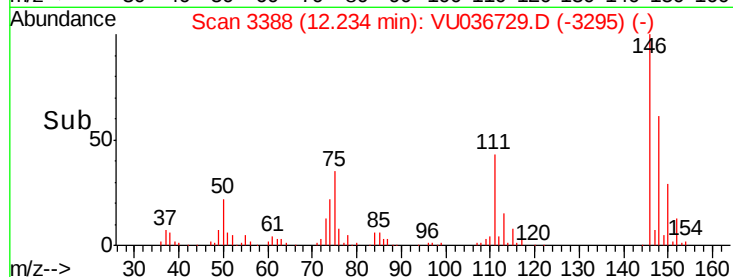
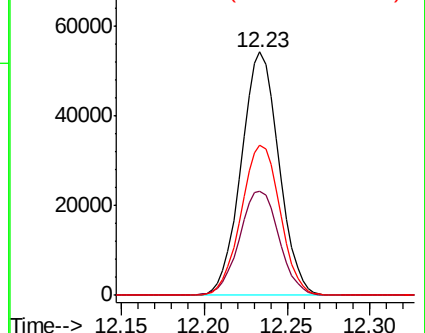
148 61.5 50.4 75.6



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: 5.029 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

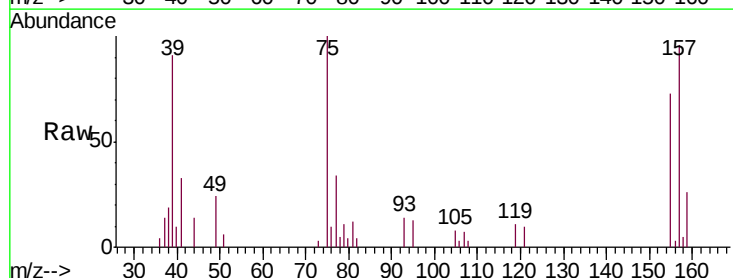
Tgt Ion: 75 Resp: 6708

Ion Ratio Lower Upper

75 100

155 72.8 52.9 79.3

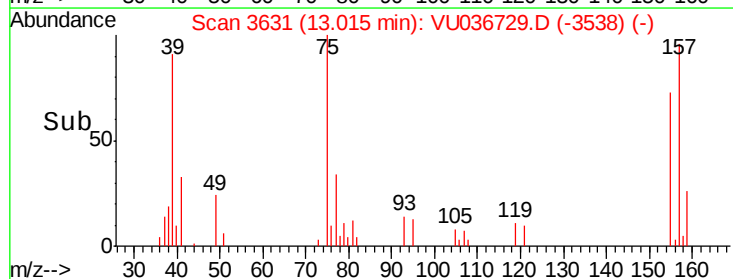
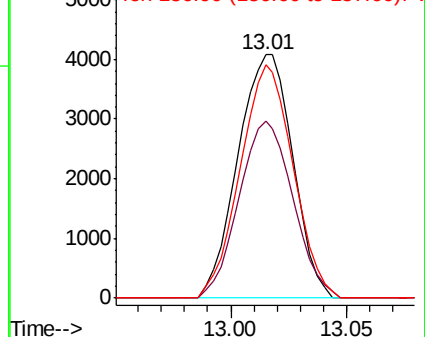
157 95.6 69.2 103.8

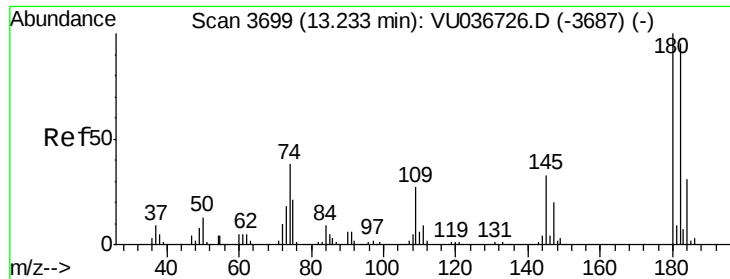


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

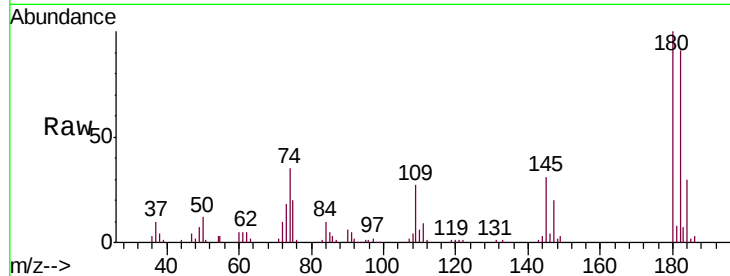




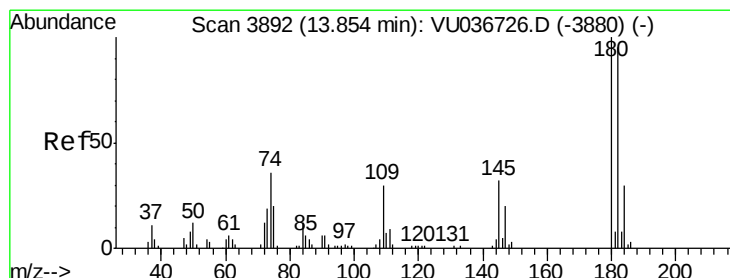
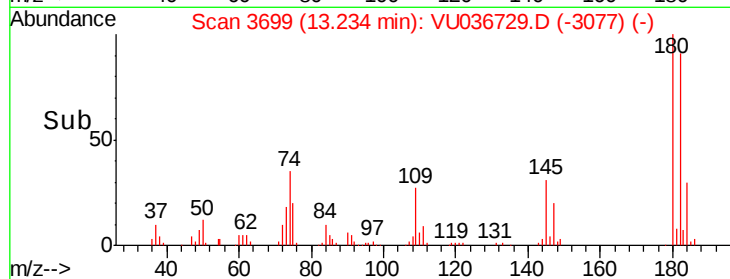
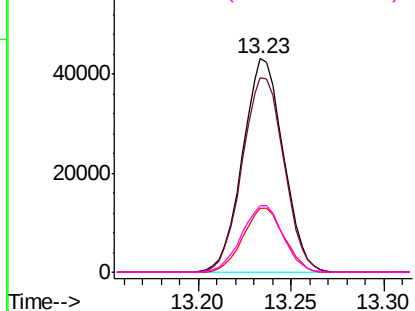
#67
 1,3,5-Trichlorobenzene
 Concen: 5.045 ug/L
 RT: 13.23 min Scan# 3699
 Delta R.T. 0.00 min
 Lab File: VU036729.D
 Acq: 11 Feb 2020 17:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

Tgt Ion:	180	Resp:	65855
Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.4	114.6
184	30.1	24.6	37.0
145	31.8	25.3	37.9

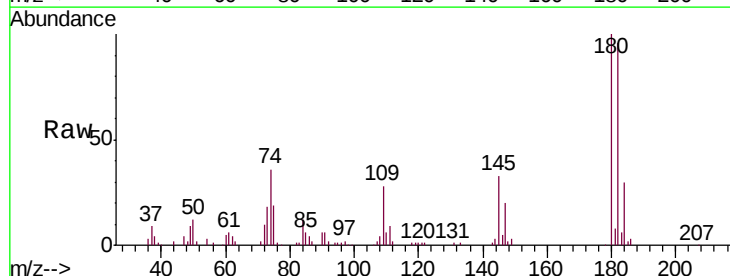


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

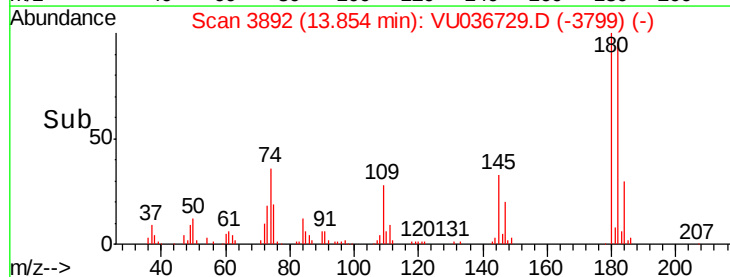
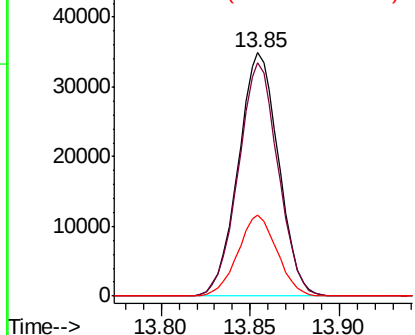


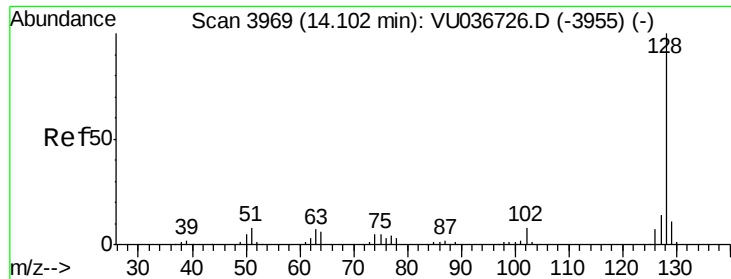
#68
 1,2,4-trichlorobenzene
 Concen: 5.588 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. 0.00 min
 Lab File: VU036729.D
 Acq: 11 Feb 2020 17:56

Tgt Ion:	180	Resp:	55007
Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.0	115.6
145	32.2	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: 6.021 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

Instrument :

MSVOA_U

ClientSampleId :

VICV03

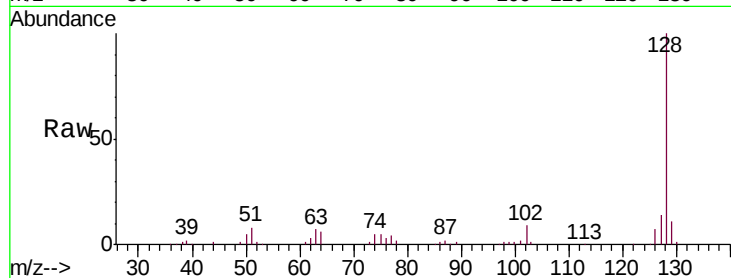
Tgt Ion:128 Resp: 107391

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

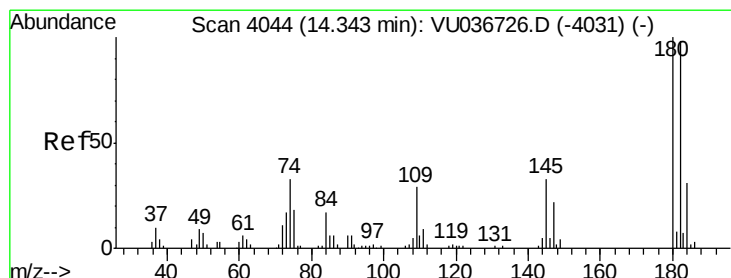
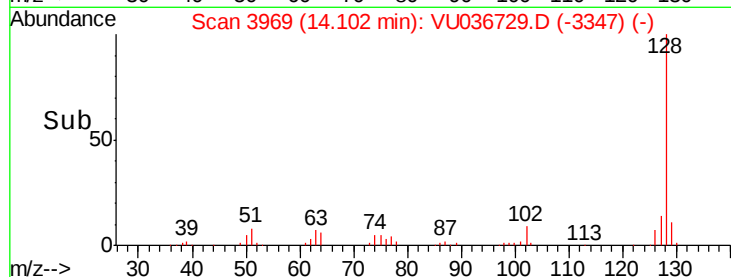
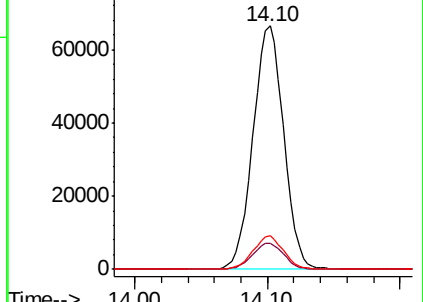
127 13.6 10.8 16.2



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: 5.739 ug/L

RT: 14.34 min Scan# 4044

Delta R.T. 0.00 min

Lab File: VU036729.D

Acq: 11 Feb 2020 17:56

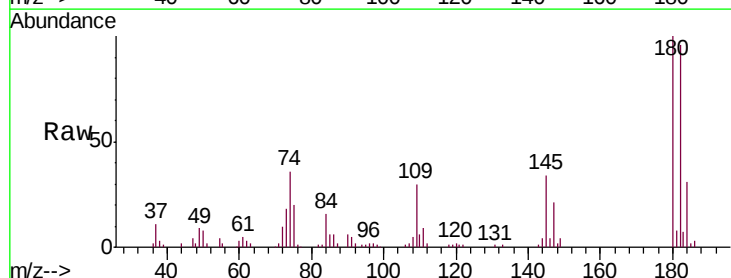
Tgt Ion:180 Resp: 50698

Ion Ratio Lower Upper

180 100

182 96.4 78.2 117.4

145 33.6 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

