

Data File : VU032221.D
Acq On : 22 May 2019 14:37
Operator : JC/SP
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV12

Quant Time: May 23 01:39:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 01:22:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	390971	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	391985	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	182258	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	106906	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	1.68	69	102763	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.27	63	198714	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	4.21	46	310800	50.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.36%
24) Chloroform-d	4.64	84	280724	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.31	65	146878	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.33	84	555572	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.33	67	182527	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.56	98	555693	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
43) trans-1,3-Dichloropropene-	7.85	79	74023	5.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.60%
46) 2-Hexanone-d5	8.31	63	285020	54.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	180379	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	252693	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	86884	5.199	ug/L 99
3) Chloromethane	1.32	50	81021	4.835	ug/L 99
5) Vinyl chloride	1.40	62	90182	5.330	ug/L 98
6) Bromomethane	1.63	94	55239	5.152	ug/L 97
8) Chloroethane	1.70	64	54885	5.109	ug/L 98
9) Trichlorofluoromethane	1.88	101	114688	5.228	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	71539	5.168	ug/L 99
12) 1,1-Dichloroethene	2.28	96	74996	5.390	ug/L 78
13) Acetone	2.34	43	100680	52.468	ug/L 95
14) Carbon disulfide	2.47	76	227801	5.284	ug/L 98
15) Methyl Acetate	2.62	43	26839	4.767	ug/L 90
16) Methylene chloride	2.69	84	79694	4.294	ug/L 98
17) Methyl tert-butyl Ether	3.00	73	163941	5.226	ug/L 99
18) trans-1,2-Dichloroethene	2.97	96	74077	4.960	ug/L 95
19) 1,1-Dichloroethane	3.44	63	120904	5.242	ug/L 96
21) 2-Butanone	4.29	43	157787	54.506	ug/L 96
22) cis-1,2-Dichloroethene	4.22	96	77581	5.322	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	33487	5.198	ug/L	97
25) Chloroform	4.67	83	127478	5.118	ug/L	94
27) 1,2-Dichloroethane	5.40	62	74265	5.123	ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	106968	5.258	ug/L	99
30) Cyclohexane	4.98	56	99480	5.230	ug/L	97
31) Carbon tetrachloride	5.13	117	91296	5.094	ug/L	100
33) Benzene	5.38	78	288025	5.432	ug/L	100
34) Trichloroethene	6.18	95	74780	5.255	ug/L	95
35) Methylcyclohexane	6.41	83	112879	5.385	ug/L	98
37) 1,2-Dichloropropane	6.43	63	68486	5.365	ug/L	99
38) Bromodichloromethane	6.75	83	85404	5.148	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	98570	5.422	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	357439	55.389	ug/L	99
42) Toluene	7.63	91	311957	5.537	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	76949	5.387	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	51734	5.248	ug/L	95
47) Tetrachloroethene	8.22	164	60966	5.190	ug/L	98
48) 2-Hexanone	8.36	43	289209	58.430	ug/L	99
49) Dibromochloromethane	8.47	129	58213	5.188	ug/L	90
50) 1,2-Dibromoethane	8.58	107	48820	5.253	ug/L	98
51) Chlorobenzene	9.12	112	194392	5.391	ug/L	99
52) Ethylbenzene	9.25	91	305359	5.384	ug/L	95
53) m,p-Xylene	9.37	106	117955	5.593	ug/L	98
54) o-Xylene	9.77	106	115827	5.496	ug/L	95
55) Styrene	9.79	104	196074	5.561	ug/L	98
56) Isopropylbenzene	10.16	105	303234	5.692	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	63860	5.378	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	43940	5.285	ug/L	93
61) Bromoform	9.96	173	33287	5.099	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	145461	5.402	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	147607	5.226	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	149771	5.483	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.65	75	9124	5.173	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	116599	5.690	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	87343	6.045	ug/L	98
69) Naphthalene	13.74	128	125972	5.699	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	87511	5.722	ug/L	96

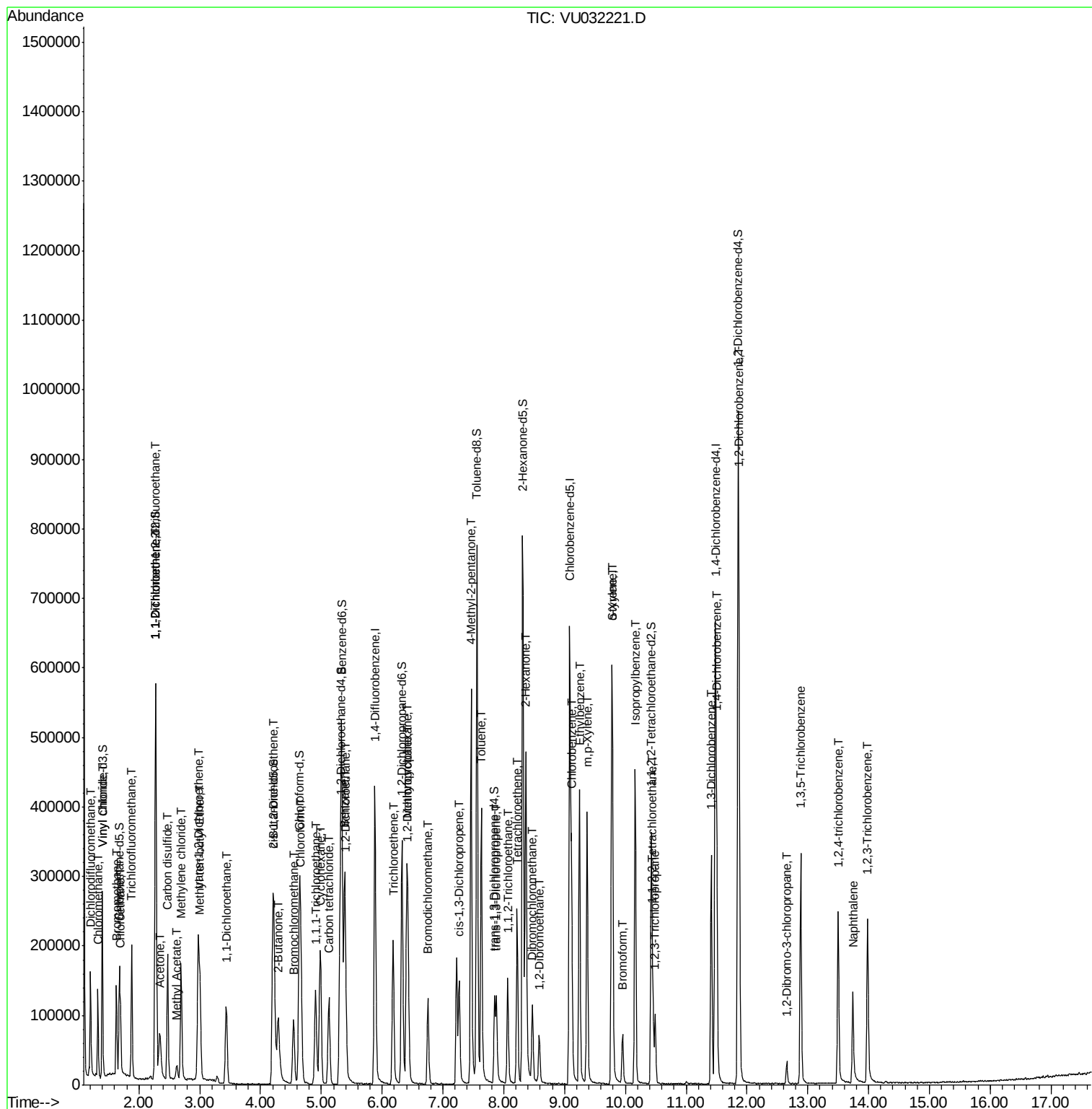
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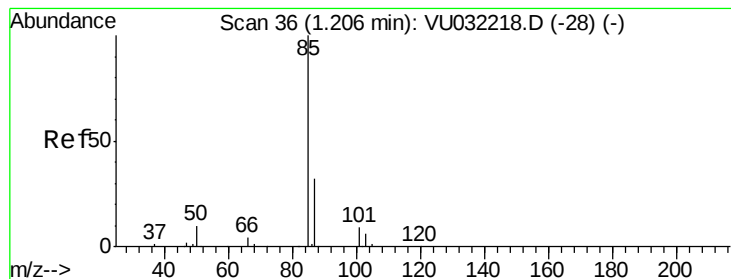
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#2

Dichlorodifluoromethane

Concen: 5.199 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

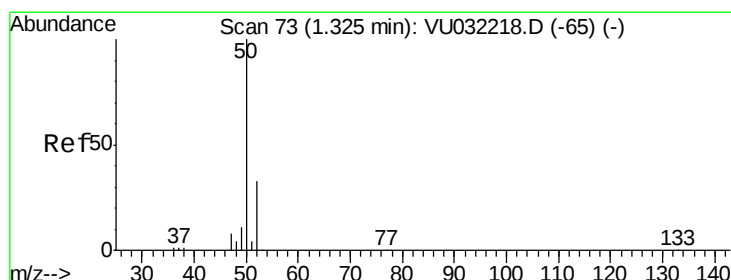
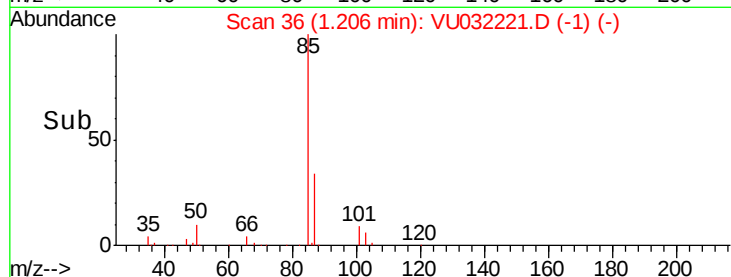
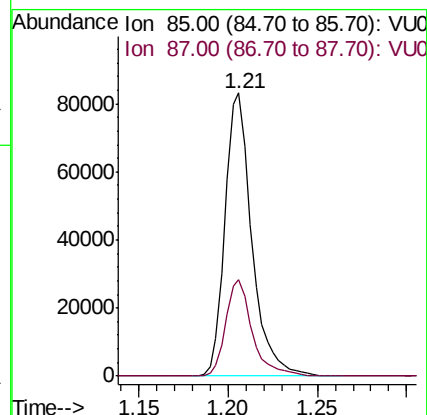
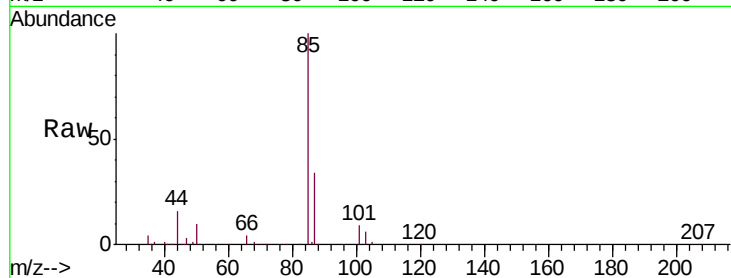
VICV12

Tgt Ion: 85 Resp: 86884

Ion Ratio Lower Upper

85 100

87 33.6 26.6 39.8



#3

Chloromethane

Concen: 4.835 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032221.D

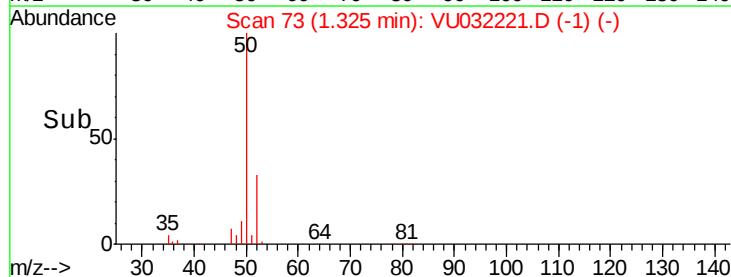
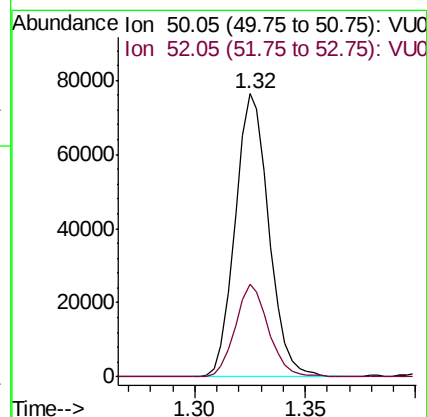
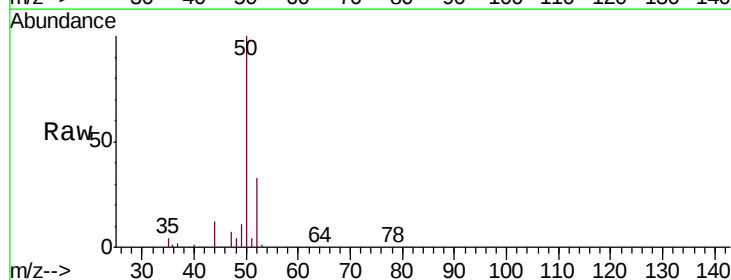
Acq: 22 May 2019 14:37

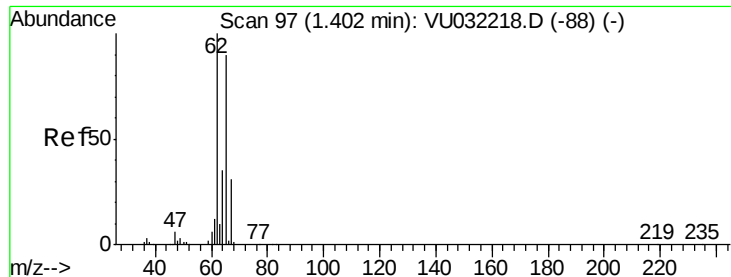
Tgt Ion: 50 Resp: 81021

Ion Ratio Lower Upper

50 100

52 32.6 23.3 43.3





#5

Vinyl chloride

Concen: 5.330 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

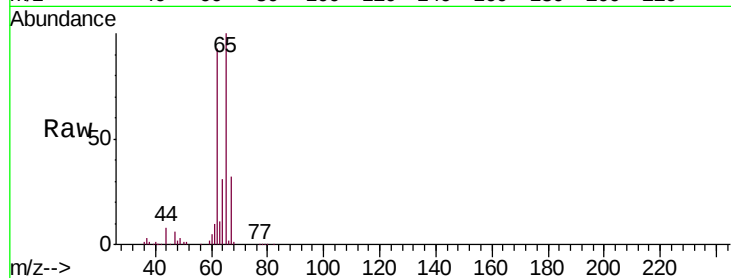
VICV12

Tgt Ion: 62 Resp: 90182

Ion Ratio Lower Upper

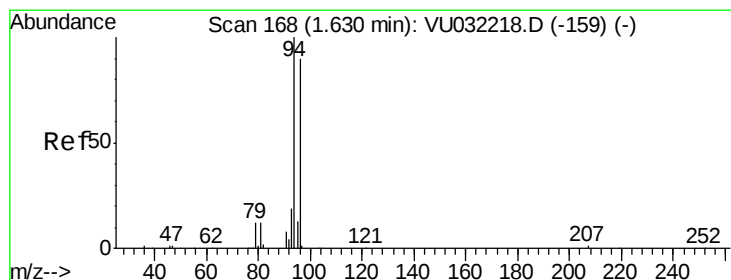
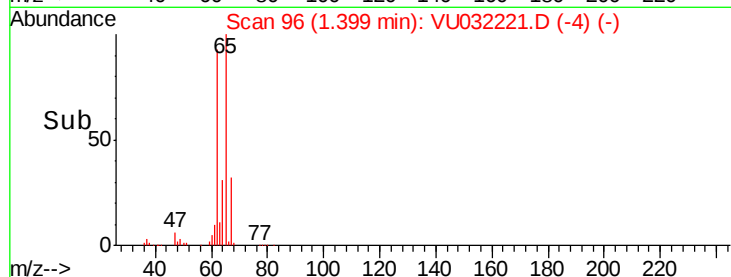
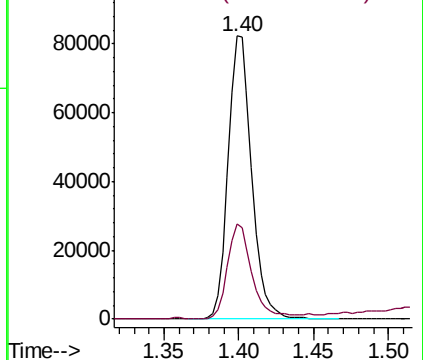
62 100

64 33.5 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.152 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU032221.D

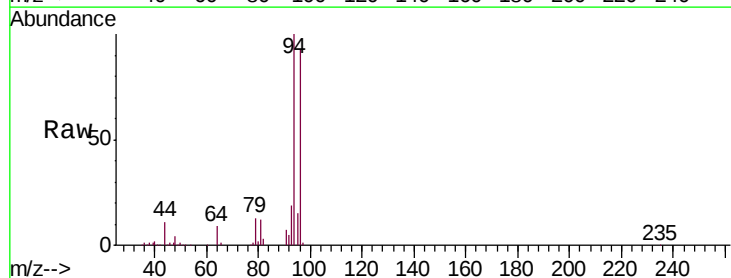
Acq: 22 May 2019 14:37

Tgt Ion: 94 Resp: 55239

Ion Ratio Lower Upper

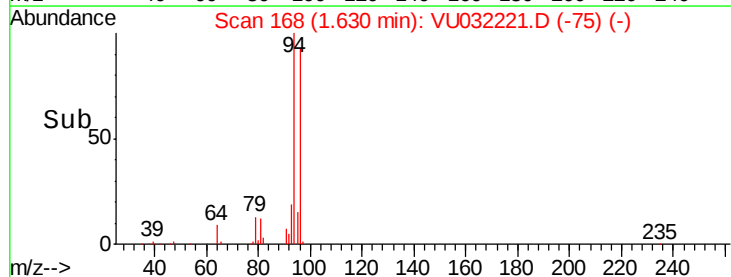
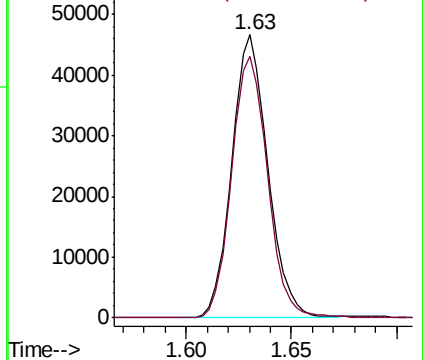
94 100

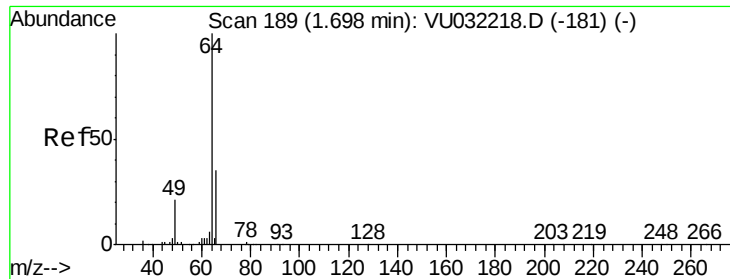
96 92.6 63.0 117.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

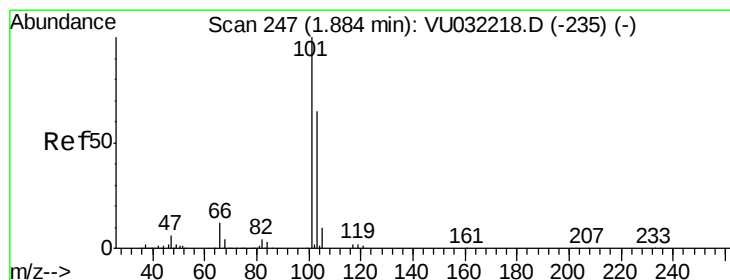
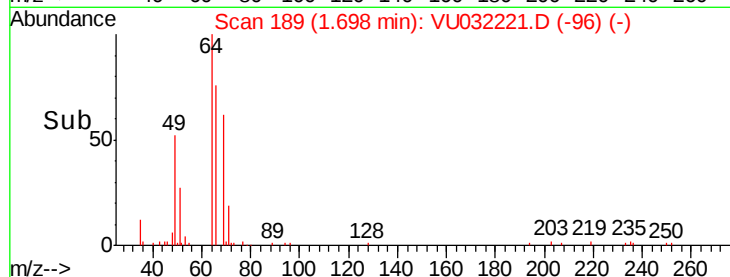
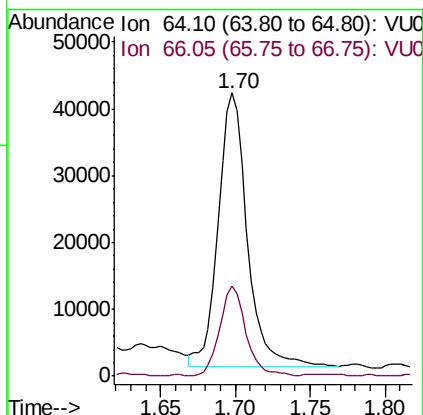
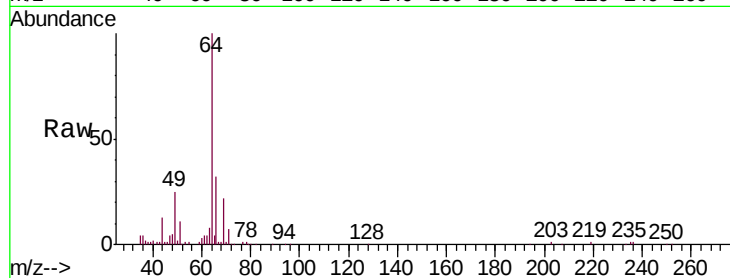




#8
Chloroethane
Concen: 5.109 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

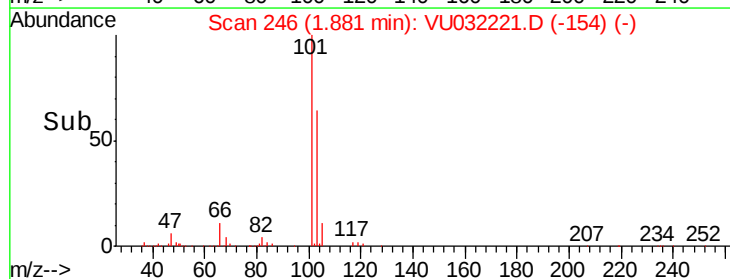
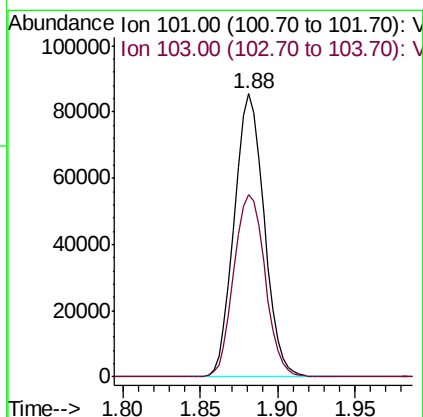
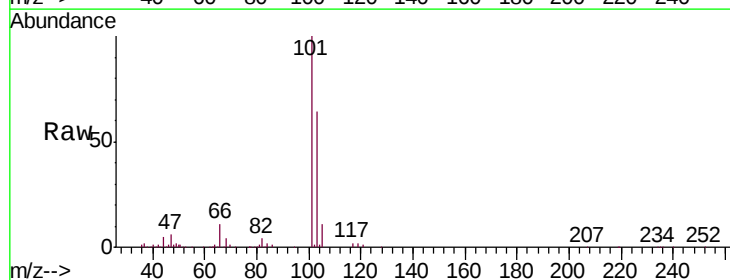
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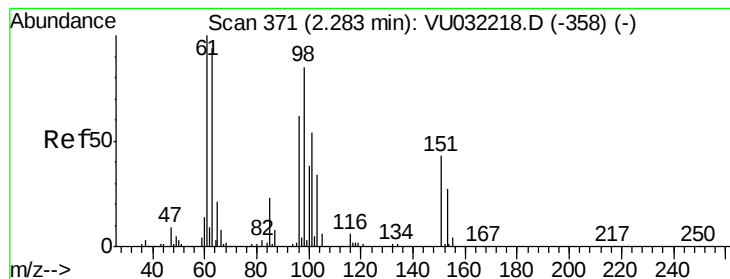
Tgt Ion: 64 Resp: 54885
Ion Ratio Lower Upper
64 100
66 31.7 23.1 42.9



#9
Trichlorofluoromethane
Concen: 5.228 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

Tgt Ion: 101 Resp: 114688
Ion Ratio Lower Upper
101 100
103 67.5 51.9 77.9





#10

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

Concen: 5.168 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV12

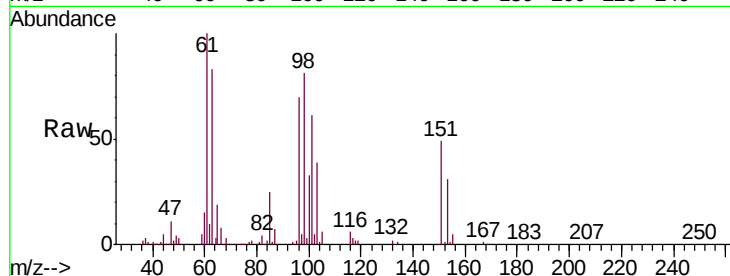
Tgt Ion:101 Resp: 71539

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.4

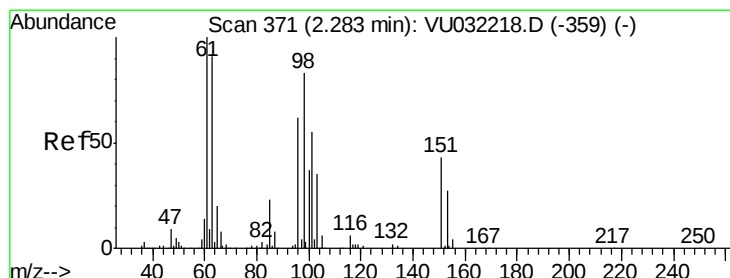
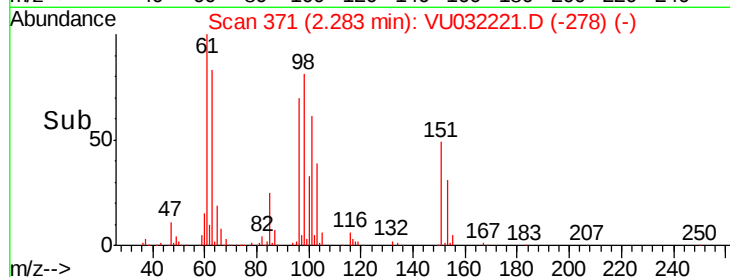
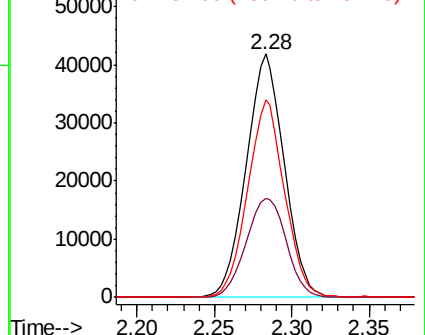
151 79.0 64.4 96.6



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: 5.390 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

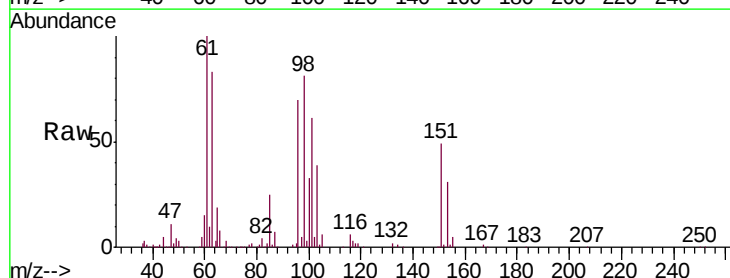
Tgt Ion: 96 Resp: 74996

Ion Ratio Lower Upper

96 100

61 142.7 113.8 211.3

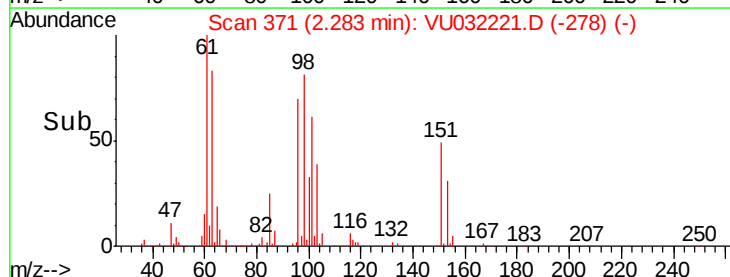
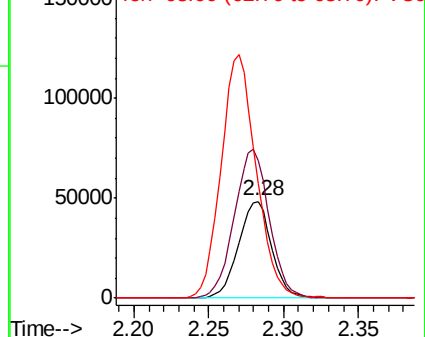
63 118.2 108.8 202.2

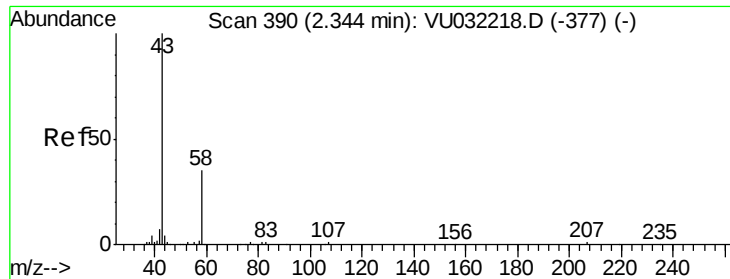


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.468 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

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ClientSampleId :

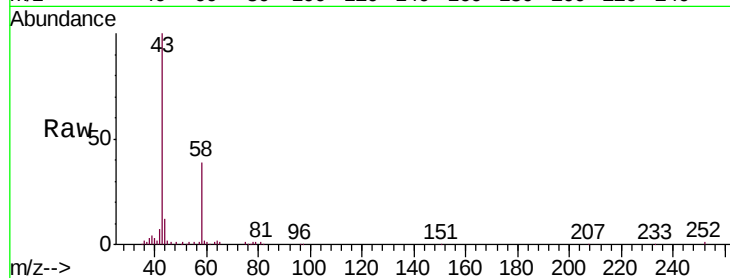
VICV12

Tgt Ion: 43 Resp: 100680

Ion Ratio Lower Upper

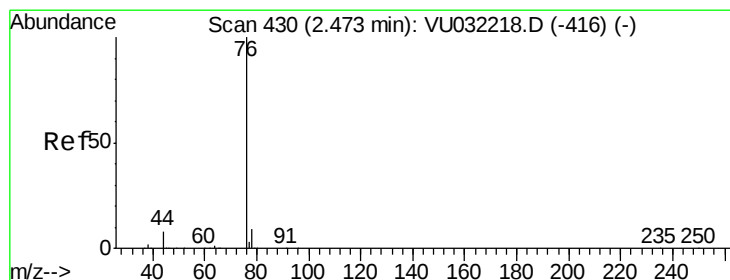
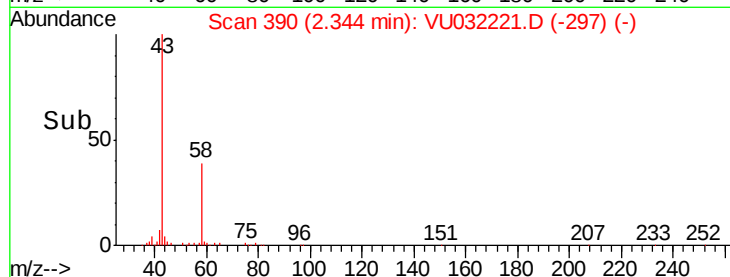
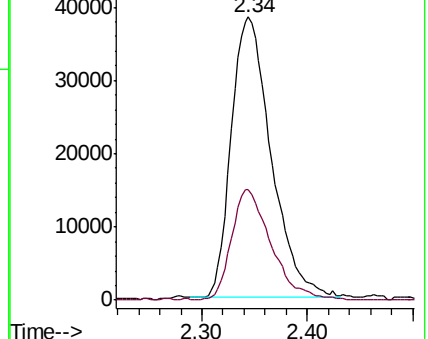
43 100

58 39.2 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU032218.D (-377) (-)

Ion 58.05 (57.75 to 58.75): VU032218.D (-377) (-)



#14

Carbon disulfide

Concen: 5.284 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032221.D

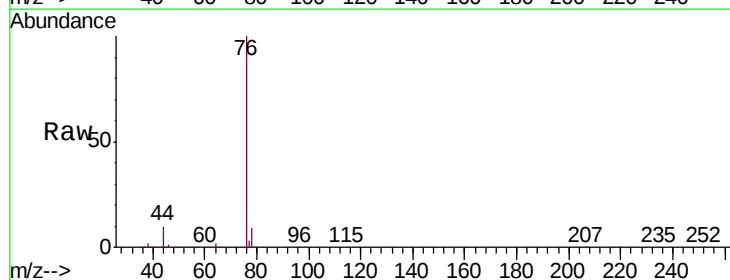
Acq: 22 May 2019 14:37

Tgt Ion: 76 Resp: 227801

Ion Ratio Lower Upper

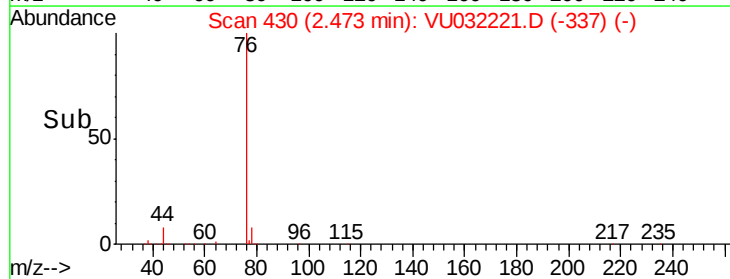
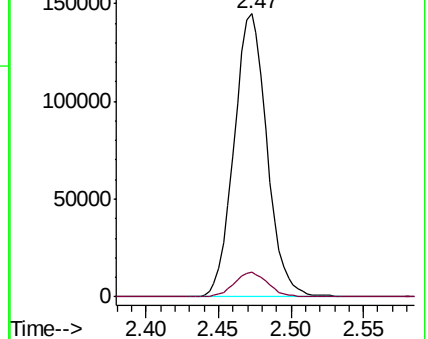
76 100

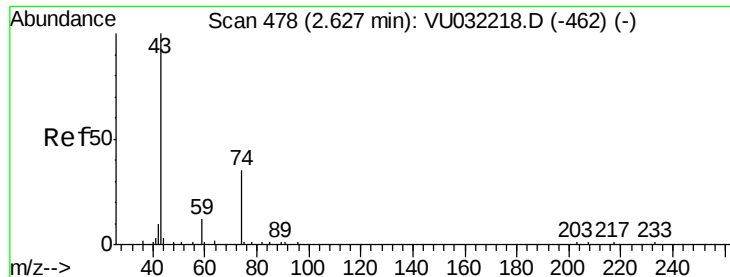
78 8.6 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU032218.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU032218.D (-416) (-)

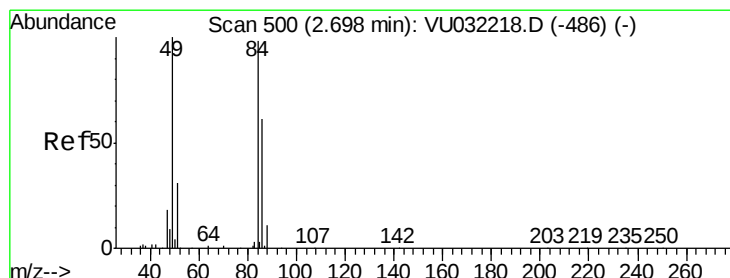
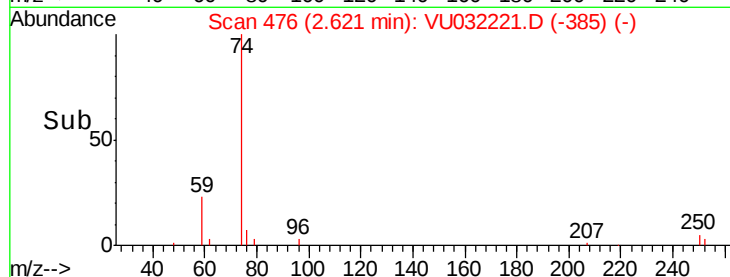
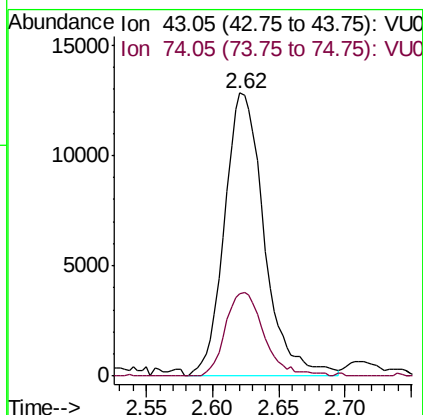
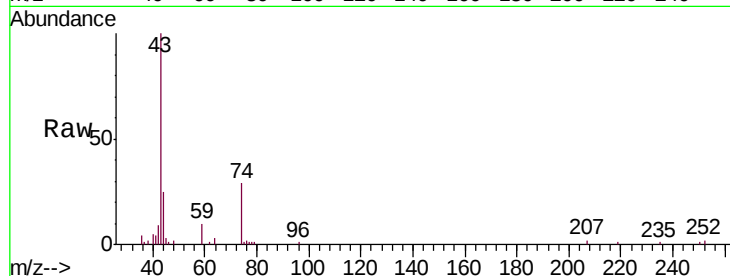




#15
Methyl Acetate
Concen: 4.767 ug/L
RT: 2.62 min Scan# 476
Delta R.T. -0.01 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

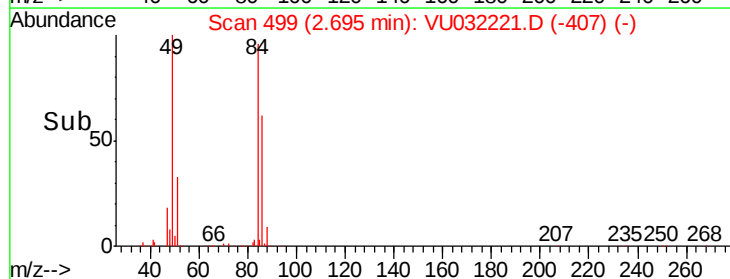
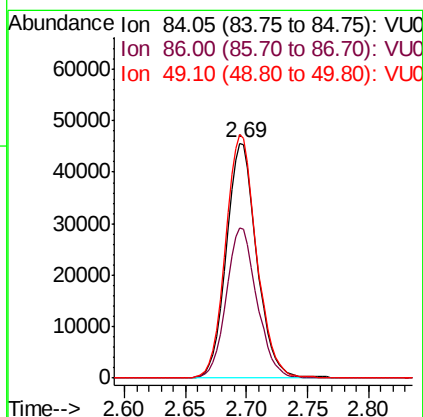
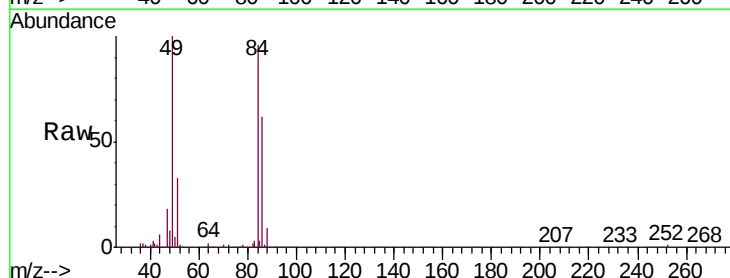
Instrument :
MSVOA_U
ClientSampleId :
VICV12

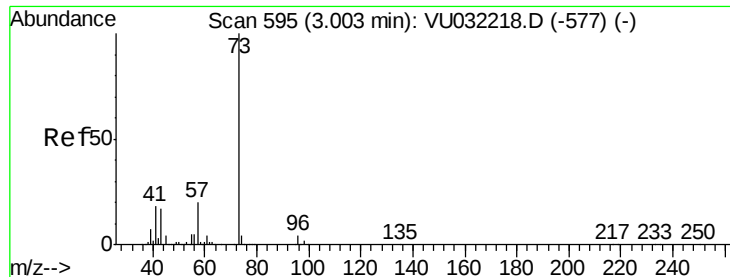
Tgt Ion: 43 Resp: 26839
Ion Ratio Lower Upper
43 100
74 28.6 27.3 40.9



#16
Methylene chloride
Concen: 4.294 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

Tgt Ion: 84 Resp: 79694
Ion Ratio Lower Upper
84 100
86 63.9 43.6 81.0
49 103.7 71.1 132.1





#17

Methyl tert-butyl Ether

Concen: 5.226 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV12

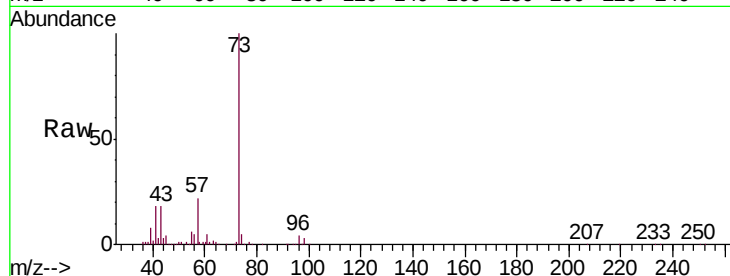
Tgt Ion: 73 Resp: 163941

Ion Ratio Lower Upper

73 100

43 17.0 13.8 20.6

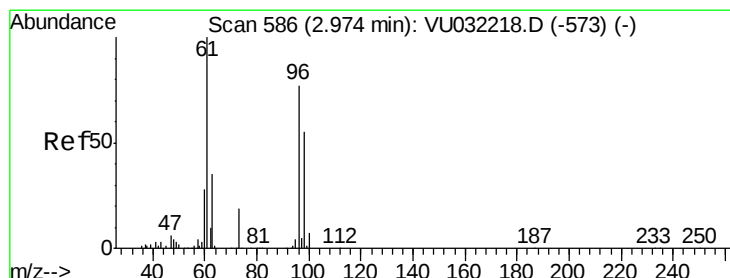
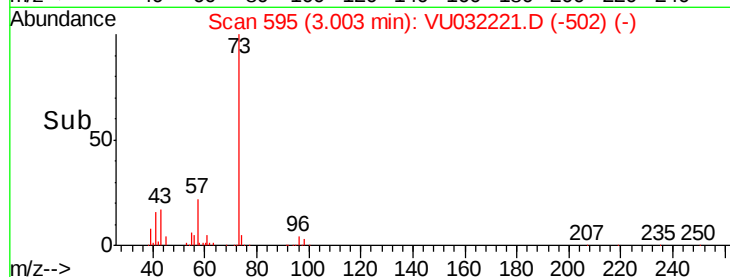
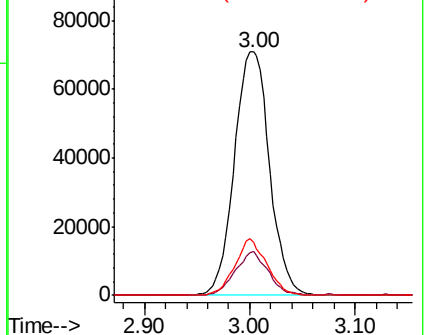
57 21.0 16.2 24.4



Abundance Ion 73.10 (72.80 to 73.80): VU032221.D (-577) (-)

Ion 43.05 (42.75 to 43.75): VU032221.D (-577) (-)

Ion 57.10 (56.80 to 57.80): VU032221.D (-577) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.960 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

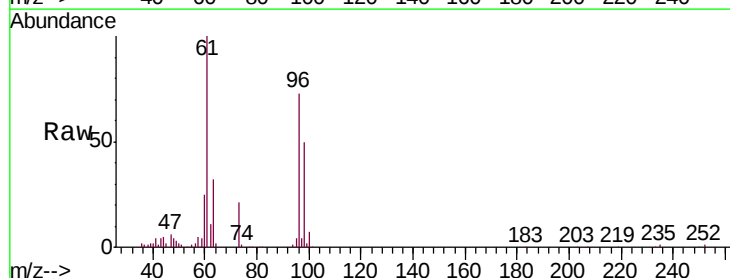
Tgt Ion: 96 Resp: 74077

Ion Ratio Lower Upper

96 100

61 136.5 90.6 168.3

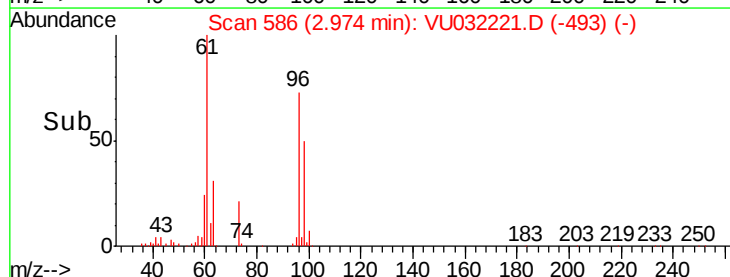
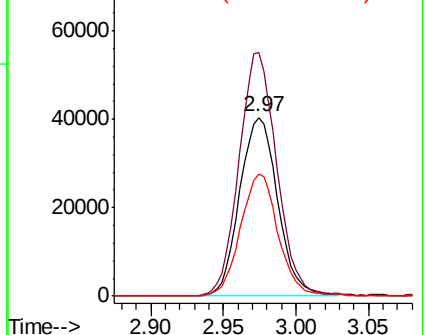
98 68.1 49.5 91.9

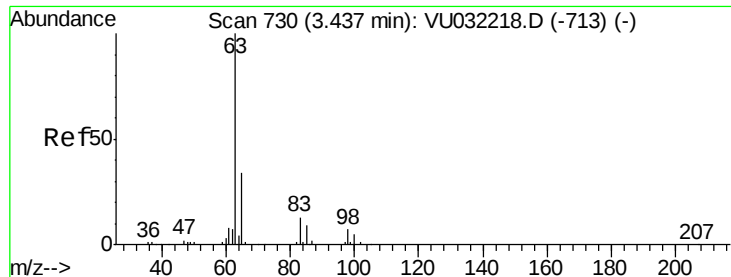


Abundance Ion 96.00 (95.70 to 96.70): VU032221.D (-573) (-)

Ion 61.05 (60.75 to 61.75): VU032221.D (-573) (-)

Ion 97.95 (97.65 to 98.65): VU032221.D (-573) (-)

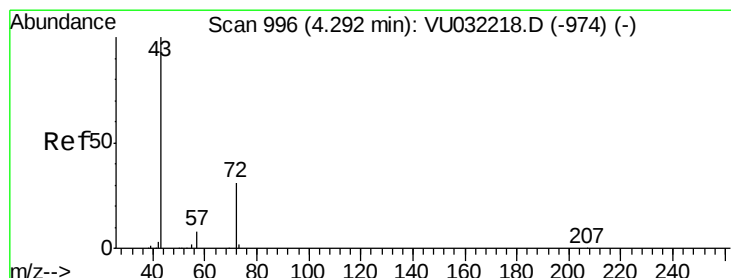
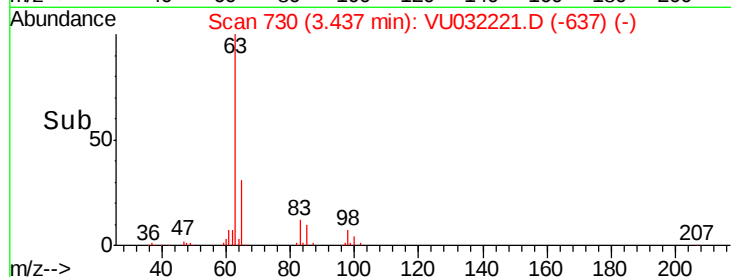
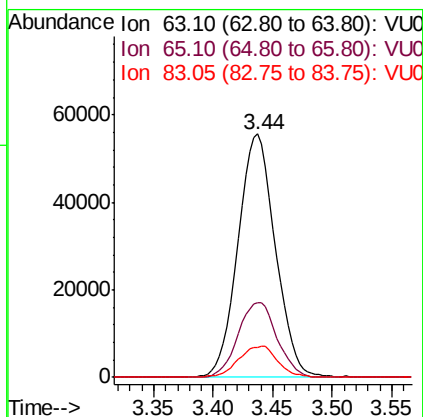
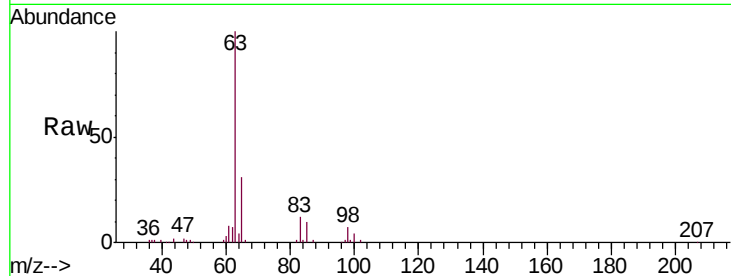




#19
 1,1-Dichloroethane
 Concen: 5.242 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU032221.D
 Acq: 22 May 2019 14:37

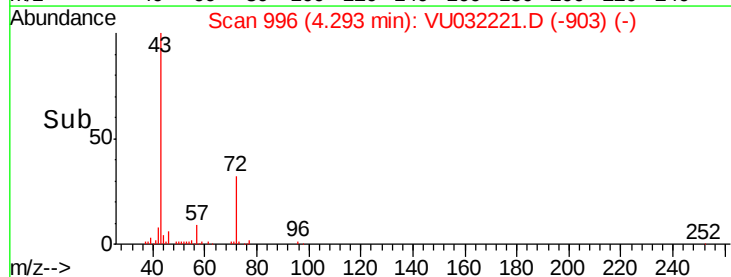
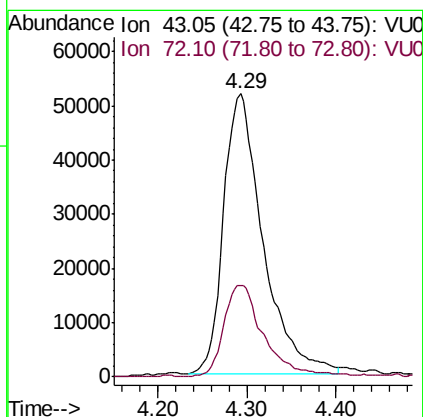
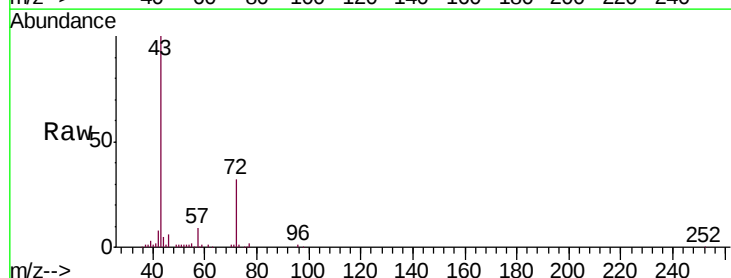
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV12

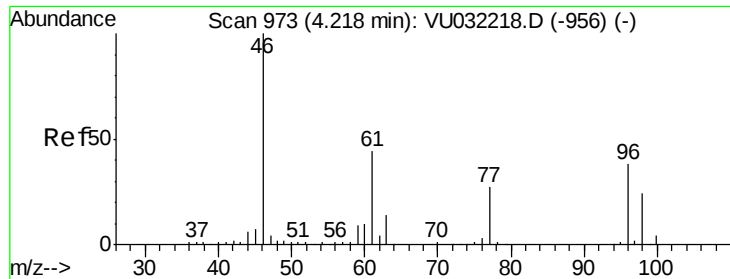
Tgt Ion: 63 Resp: 120904
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.5 43.7
 83 12.4 8.8 16.3



#21
 2-Butanone
 Concen: 54.506 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VU032221.D
 Acq: 22 May 2019 14:37

Tgt Ion: 43 Resp: 157787
 Ion Ratio Lower Upper
 43 100
 72 32.8 15.2 45.6



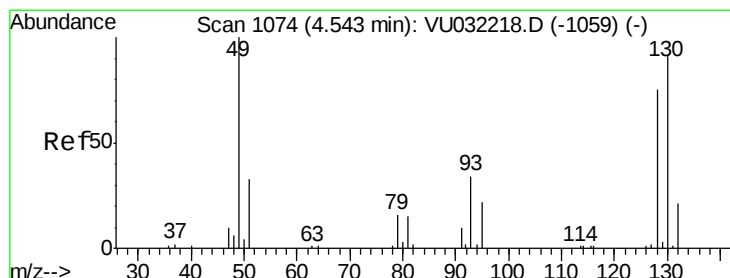
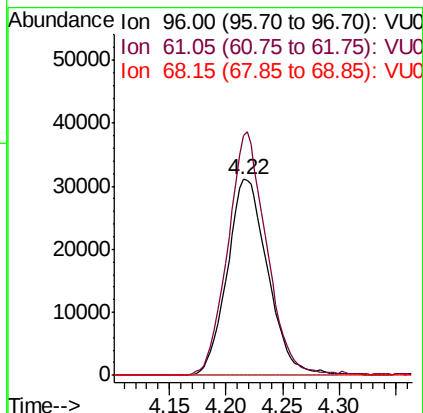
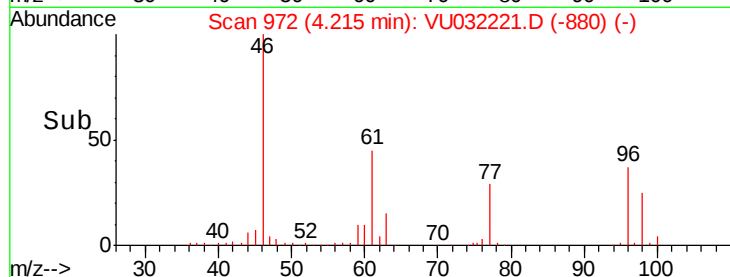
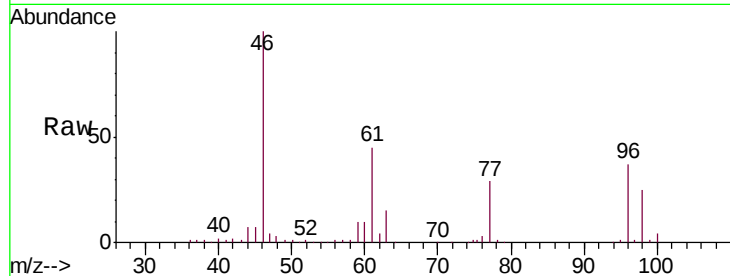


#22

cis-1,2-Dichloroethene
Concen: 5.322 ug/L
RT: 4.22 min Scan# 972
Delta R.T. -0.00 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

Instrument :
MSVOA_U
ClientSampleId :
VICV12

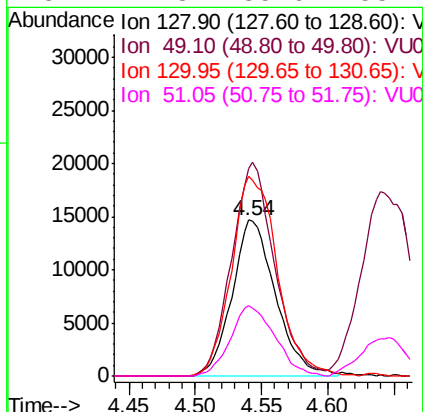
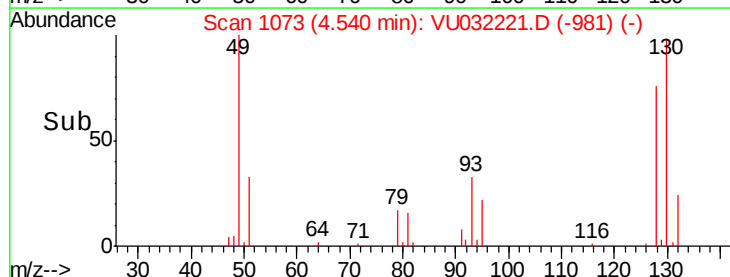
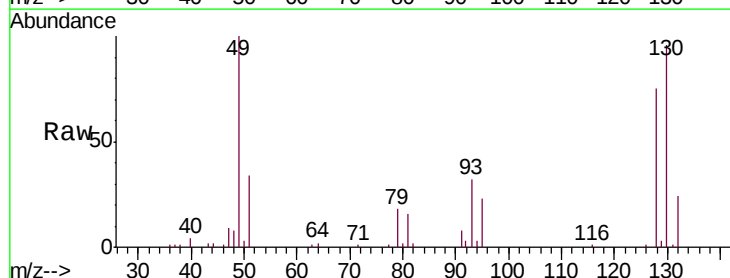
Tgt Ion: 96 Resp: 77581
Ion Ratio Lower Upper
96 100
61 122.5 82.5 153.1
68 0.0 0.0 0.0

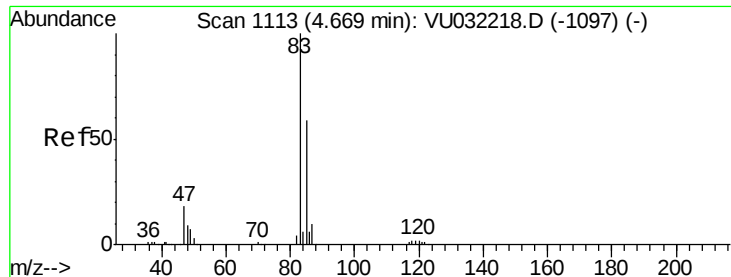


#23

Bromochloromethane
Concen: 5.198 ug/L
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

Tgt Ion: 128 Resp: 33487
Ion Ratio Lower Upper
128 100
49 133.4 93.9 174.3
130 128.5 85.3 158.3
51 44.8 35.6 53.4

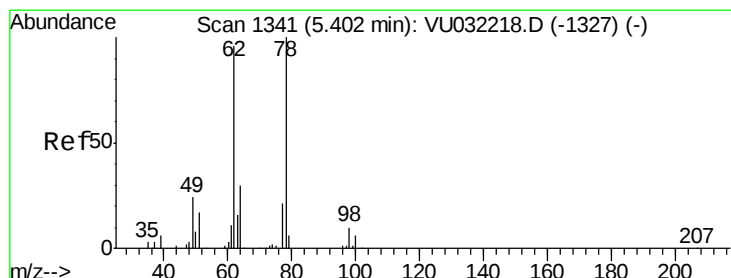
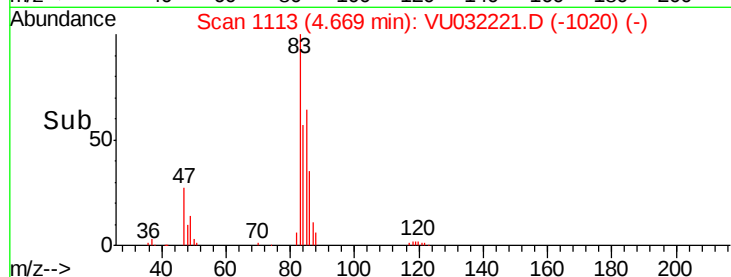
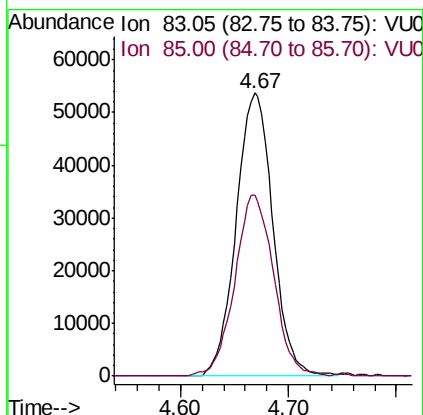
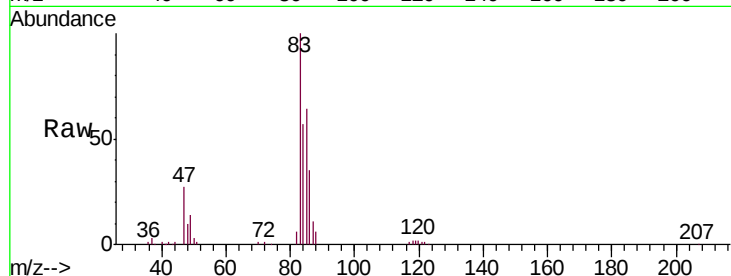




#25
Chloroform
Concen: 5.118 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

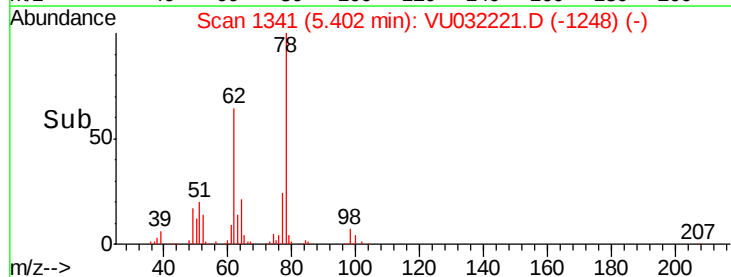
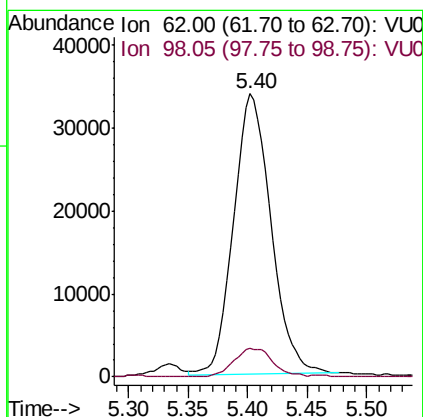
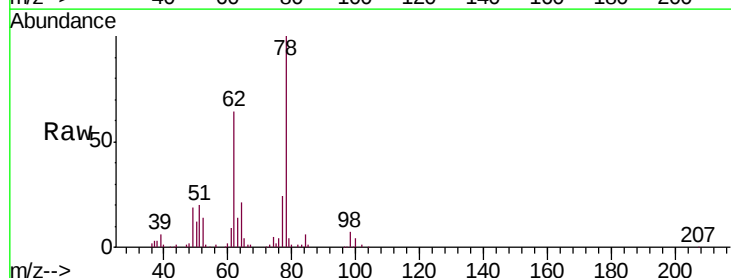
Instrument :
MSVOA_U
ClientSampleId :
VICV12

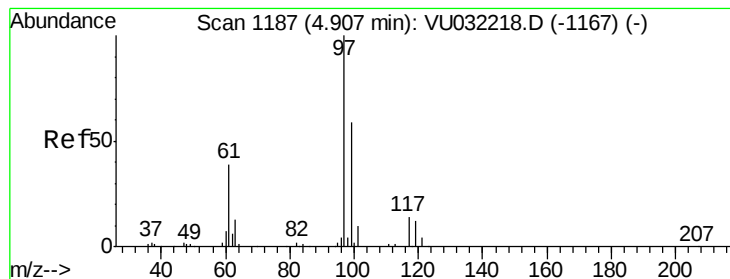
Tgt Ion: 83 Resp: 127478
Ion Ratio Lower Upper
83 100
85 64.2 41.6 77.3



#27
1,2-Dichloroethane
Concen: 5.123 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

Tgt Ion: 62 Resp: 74265
Ion Ratio Lower Upper
62 100
98 10.3 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 5.258 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV12

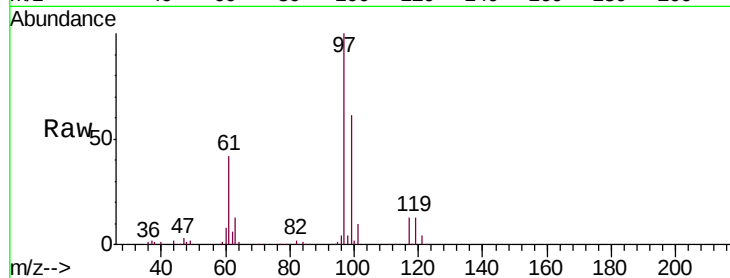
Tgt Ion: 97 Resp: 106968

Ion Ratio Lower Upper

97 100

99 62.1 50.3 75.5

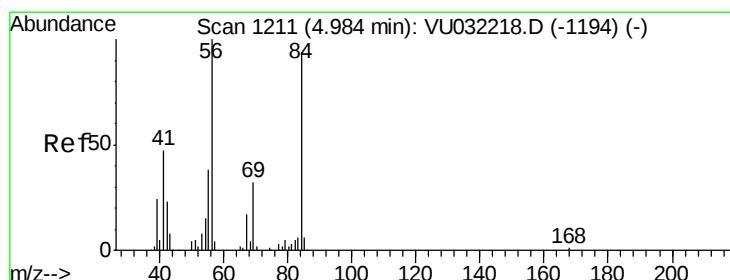
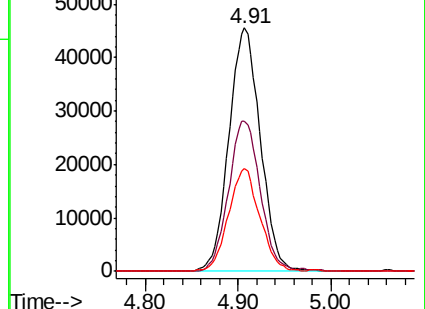
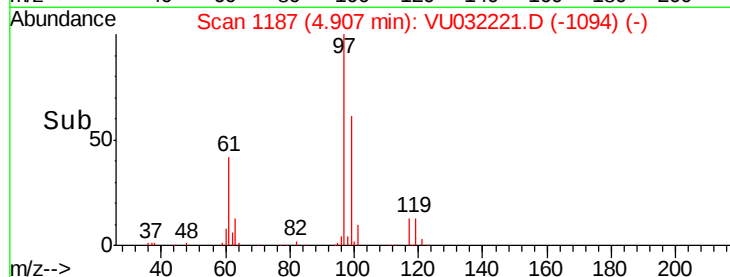
61 41.9 34.1 51.1



Abundance Ion 96.95 (96.65 to 97.65): VU032221.D (-1094) (-)

Ion 99.05 (98.75 to 99.75): VU032221.D (-1094) (-)

Ion 61.05 (60.75 to 61.75): VU032221.D (-1094) (-)



#30

Cyclohexane

Concen: 5.230 ug/L

RT: 4.98 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

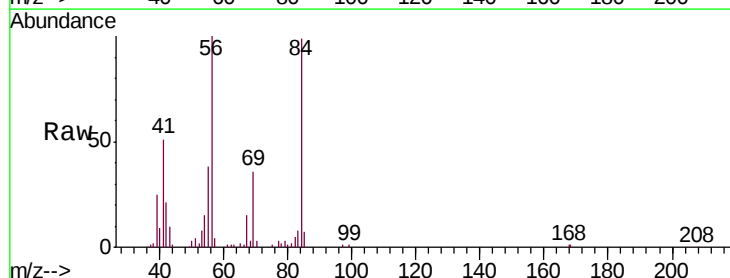
Tgt Ion: 56 Resp: 99480

Ion Ratio Lower Upper

56 100

69 34.3 26.6 39.8

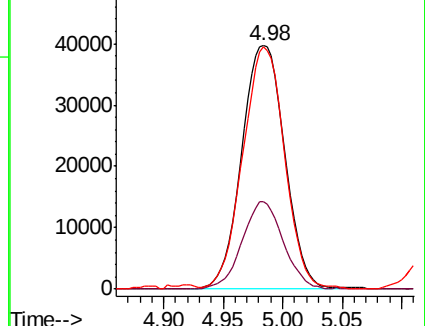
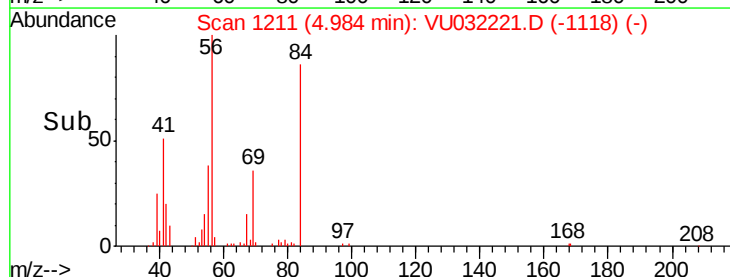
84 96.7 75.0 112.6

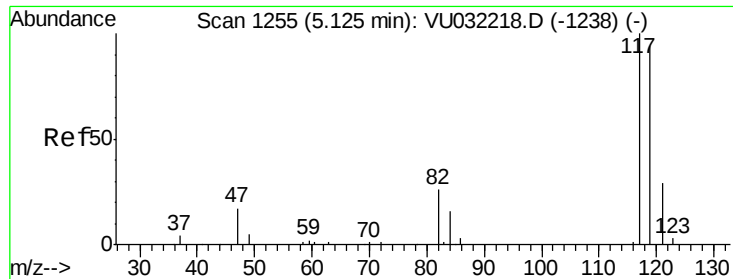


Abundance Ion 56.10 (55.80 to 56.80): VU032221.D (-1118) (-)

Ion 69.15 (68.85 to 69.85): VU032221.D (-1118) (-)

Ion 84.15 (83.85 to 84.85): VU032221.D (-1118) (-)

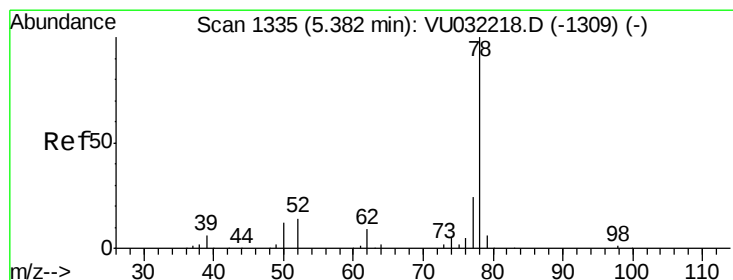
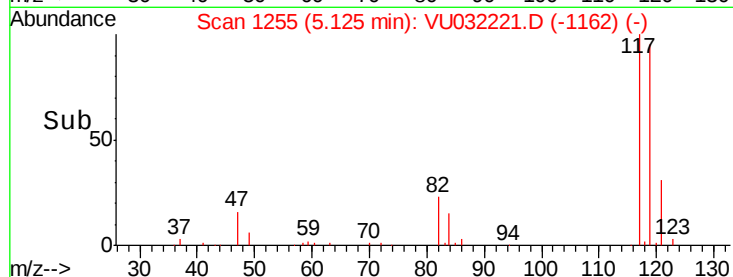
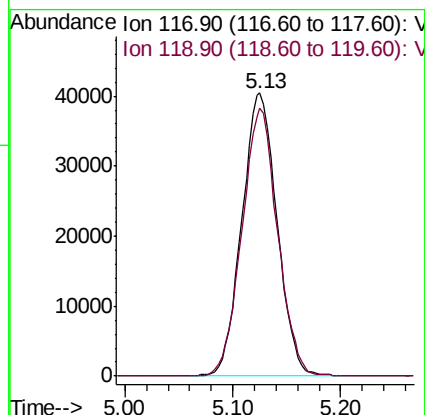
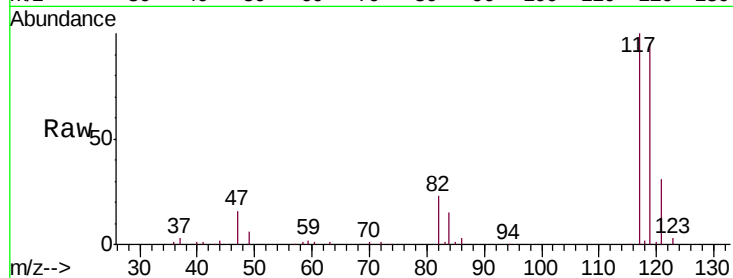




#31
Carbon tetrachloride
Concen: 5.094 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

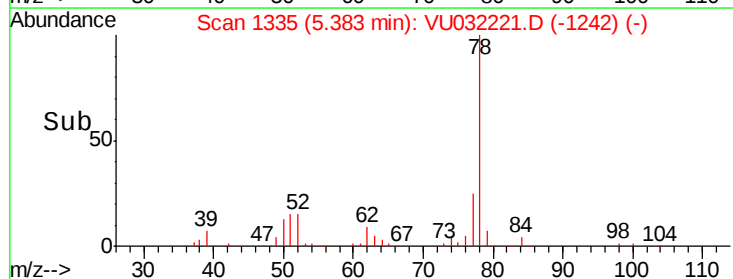
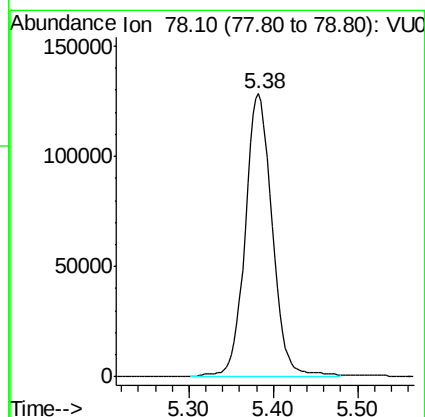
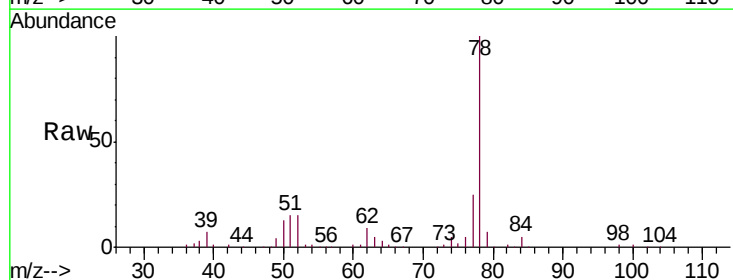
Instrument :
MSVOA_U
ClientSampleId :
VICV12

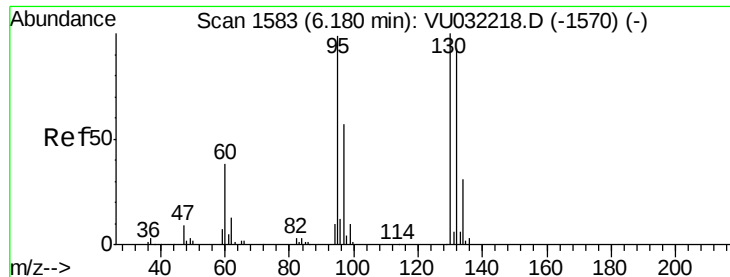
Tgt Ion:117 Resp: 91296
Ion Ratio Lower Upper
117 100
119 95.7 76.9 115.3



#33
Benzene
Concen: 5.432 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

Tgt Ion: 78 Resp: 288025





#34

Trichloroethene

Concen: 5.255 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV12

Tgt Ion: 95 Resp: 74780

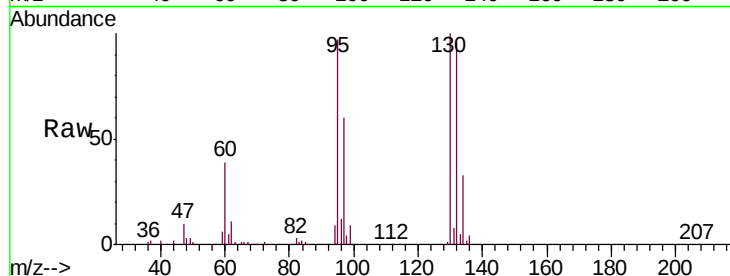
Ion Ratio Lower Upper

95 100

97 61.8 39.9 74.1

132 99.4 65.9 122.5

130 103.5 70.6 131.2

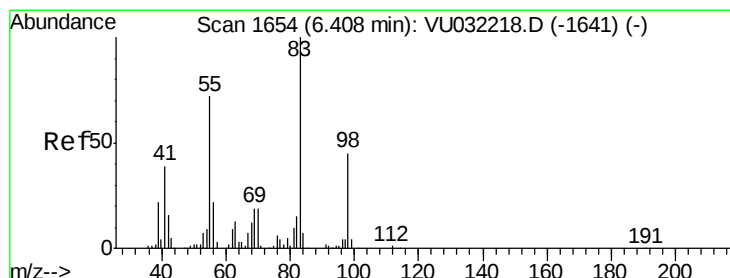
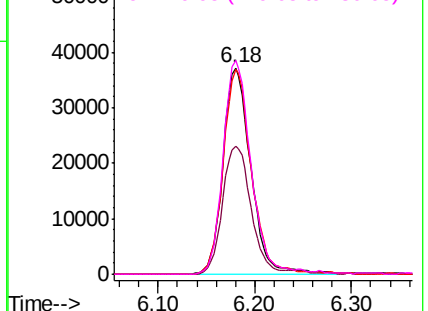
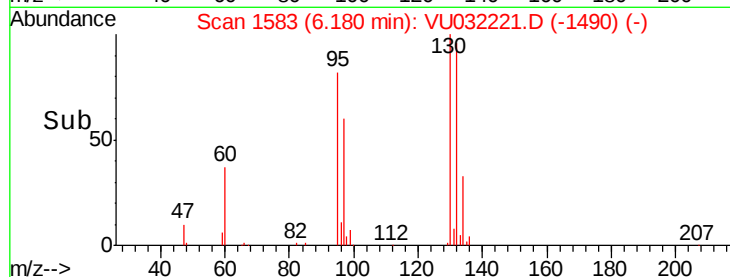


Abundance Ion 95.00 (94.70 to 95.70): VU032221.D (-1490) (-)

Ion 96.95 (96.65 to 97.65): VU032221.D (-1490) (-)

Ion 131.95 (131.65 to 132.65): VU032221.D (-1490) (-)

Ion 129.95 (129.65 to 130.65): VU032221.D (-1490) (-)



#35

Methylcyclohexane

Concen: 5.385 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

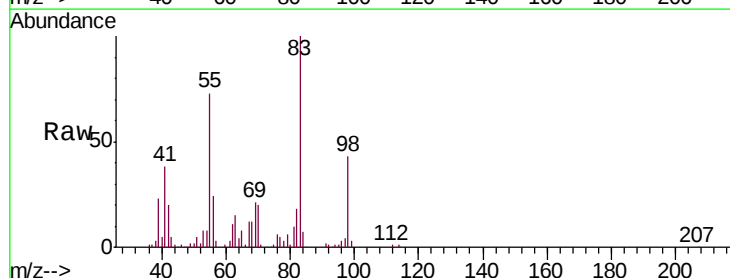
Tgt Ion: 83 Resp: 112879

Ion Ratio Lower Upper

83 100

55 72.0 59.7 89.5

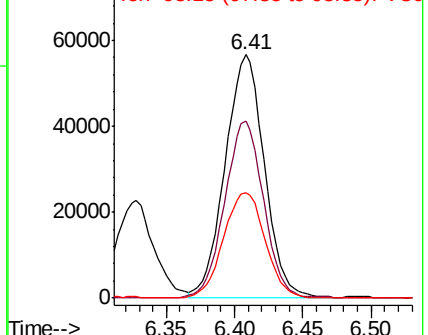
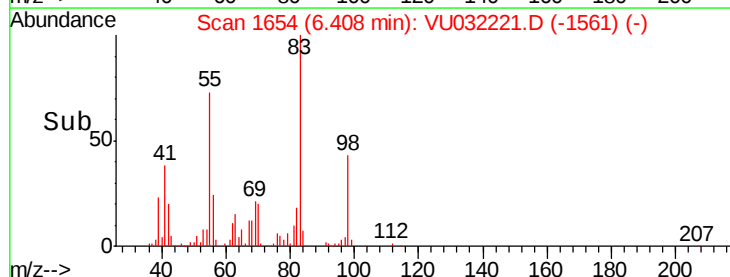
98 46.2 37.5 56.3

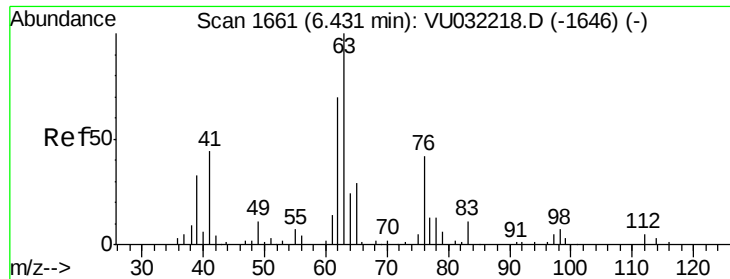


Abundance Ion 83.15 (82.85 to 83.85): VU032221.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU032221.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU032221.D (-1561) (-)

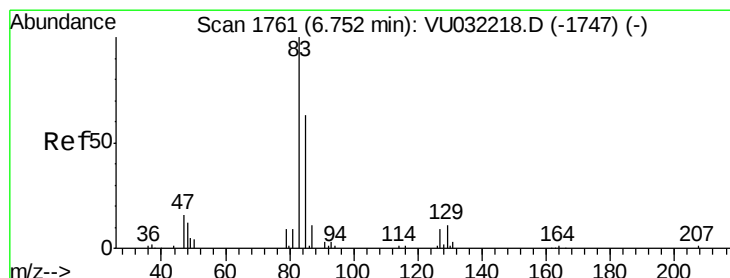
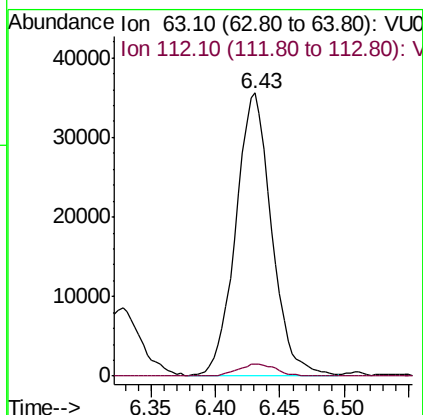
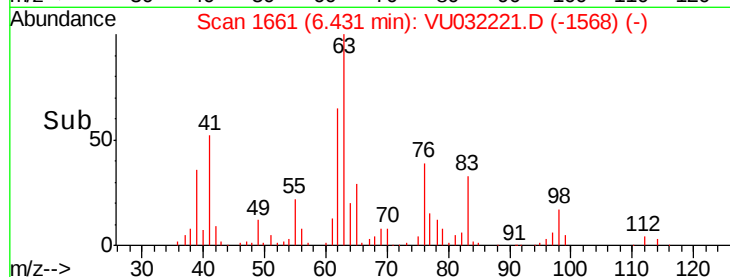
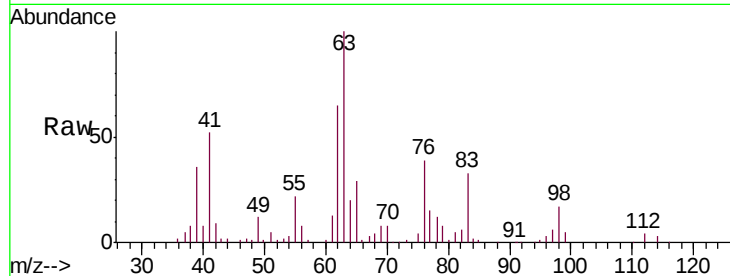




#37
 1,2-Dichloropropane
 Concen: 5.365 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU032221.D
 Acq: 22 May 2019 14:37

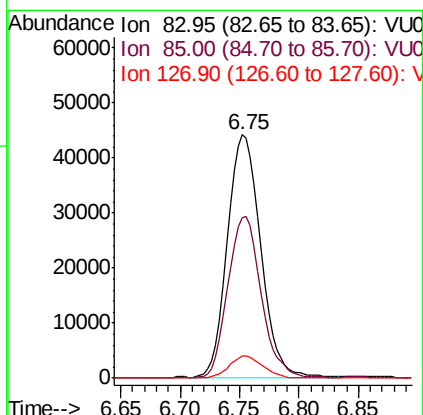
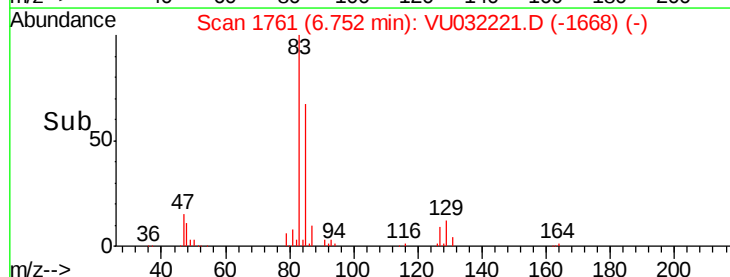
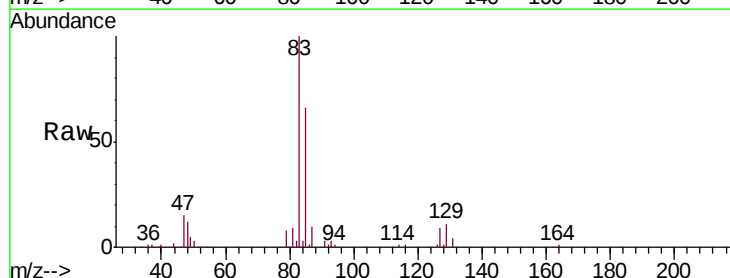
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV12

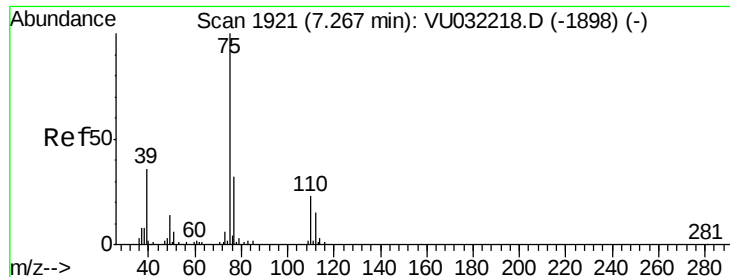
Tgt Ion: 63 Resp: 68486
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.8



#38
 Bromodichloromethane
 Concen: 5.148 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032221.D
 Acq: 22 May 2019 14:37

Tgt Ion: 83 Resp: 85404
 Ion Ratio Lower Upper
 83 100
 85 65.9 44.4 82.4
 127 9.2 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.422 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

Instrument :

MSVOA_U

ClientSampled :

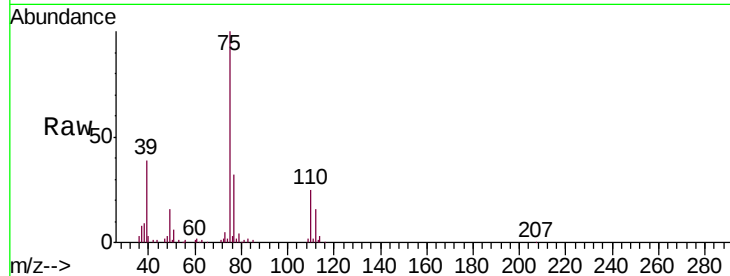
VICV12

Tgt Ion: 75 Resp: 98570

Ion Ratio Lower Upper

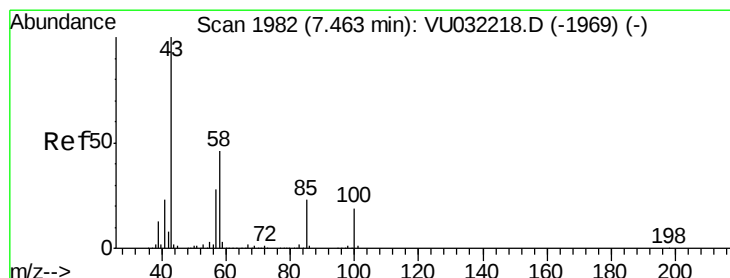
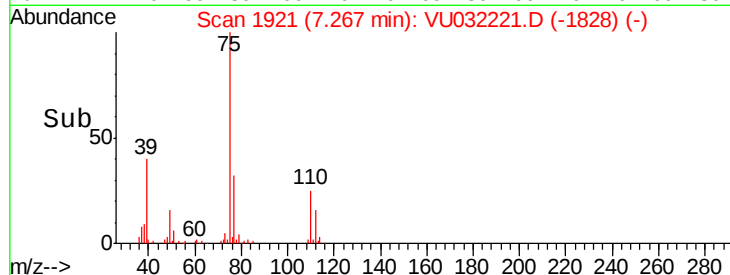
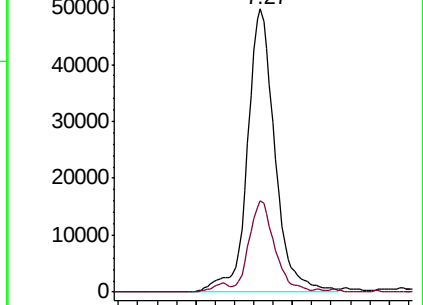
75 100

77 32.4 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU032221.D (-1898) (-)

Ion 77.05 (76.75 to 77.75): VU032221.D (-1898) (-)



#40

4-Methyl-2-pentanone

Concen: 55.389 ug/L

RT: 7.46 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

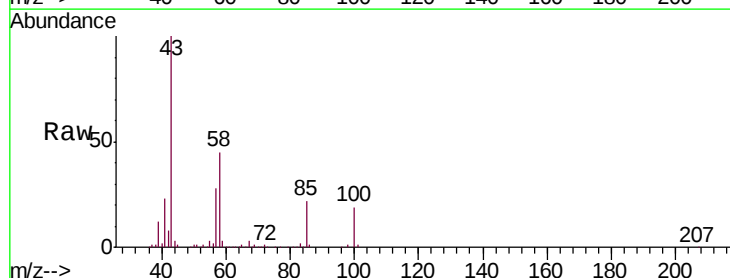
Tgt Ion: 43 Resp: 357439

Ion Ratio Lower Upper

43 100

58 44.1 35.8 53.6

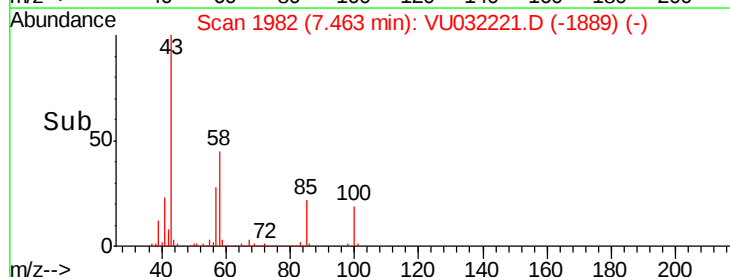
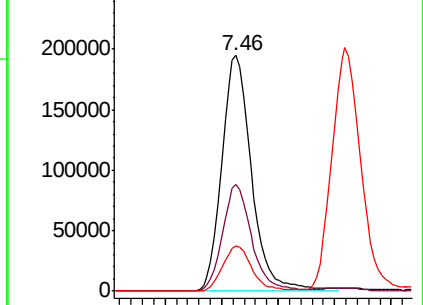
100 18.7 14.6 22.0

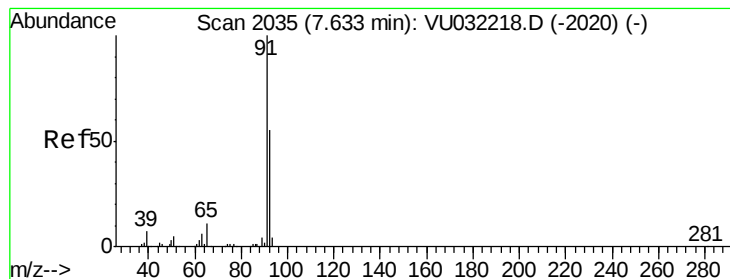


Abundance Ion 43.05 (42.75 to 43.75): VU032221.D (-1889) (-)

Ion 58.05 (57.75 to 58.75): VU032221.D (-1889) (-)

Ion 100.15 (99.85 to 100.85): VU032221.D (-1889) (-)





#42

Toluene

Concen: 5.537 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

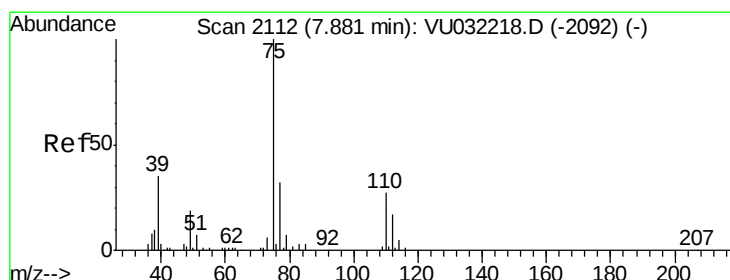
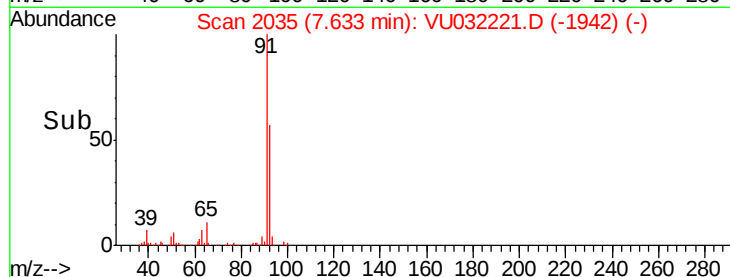
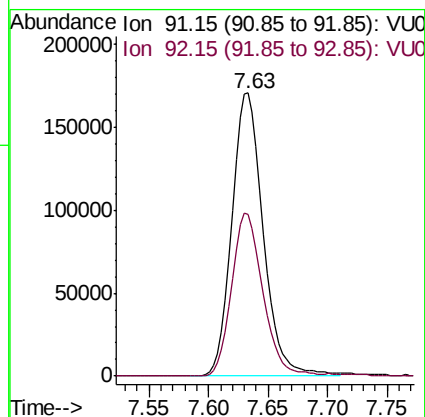
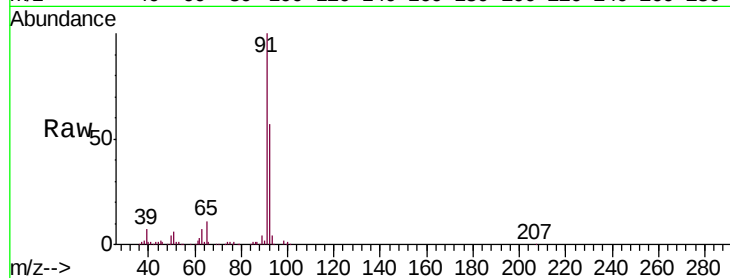
VICV12

Tgt Ion: 91 Resp: 311957

Ion Ratio Lower Upper

91 100

92 57.1 38.5 71.5



#44

trans-1,3-Dichloropropene

Concen: 5.387 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU032221.D

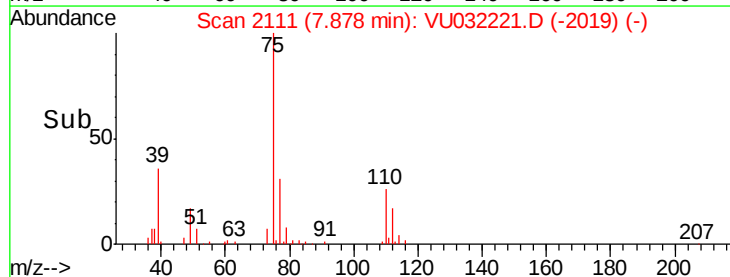
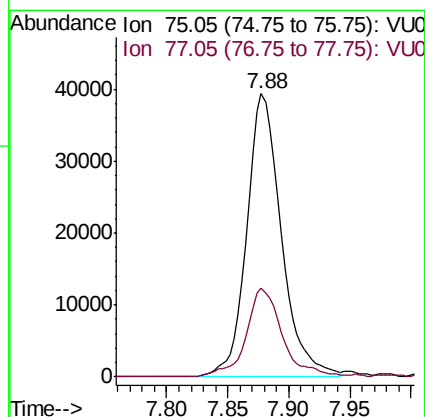
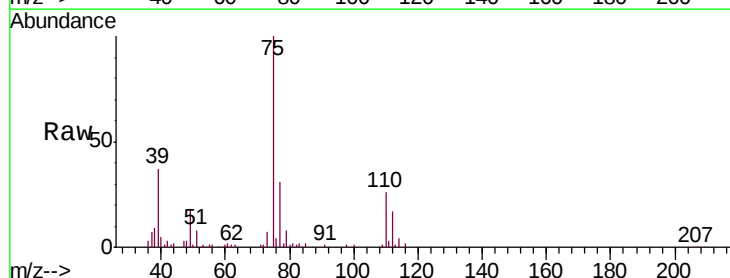
Acq: 22 May 2019 14:37

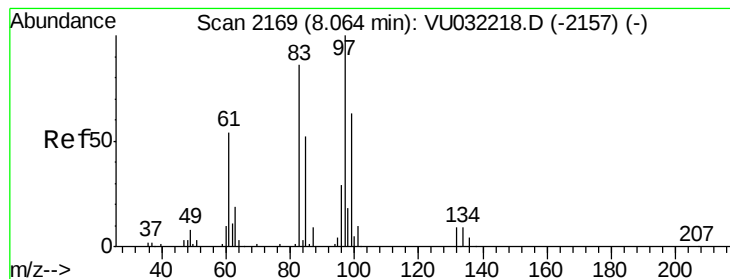
Tgt Ion: 75 Resp: 76949

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 5.248 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV12

Tgt Ion: 97 Resp: 51734

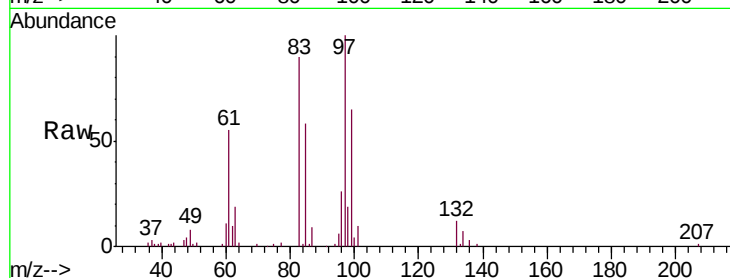
Ion Ratio Lower Upper

97 100

99 65.1 44.2 82.0

83 90.4 60.5 112.3

85 57.8 36.3 67.3

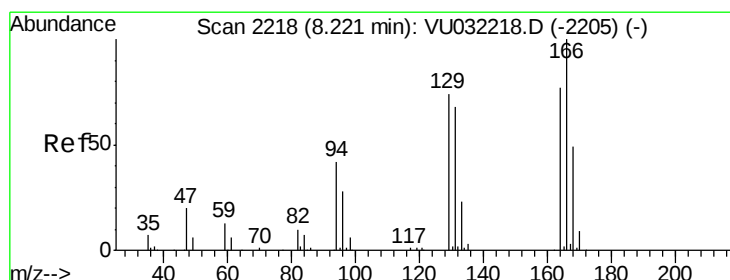
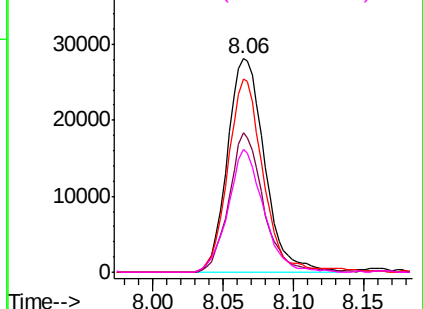
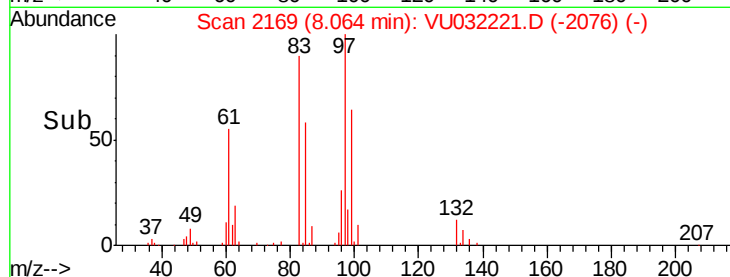


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.190 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

Tgt Ion: 164 Resp: 60966

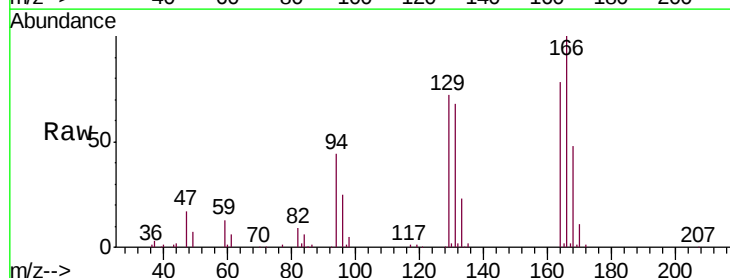
Ion Ratio Lower Upper

164 100

129 92.9 67.1 124.7

131 88.2 62.2 115.4

166 128.8 90.9 168.9

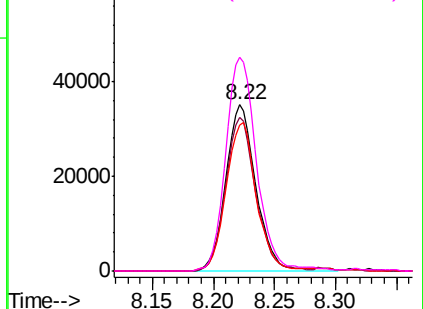
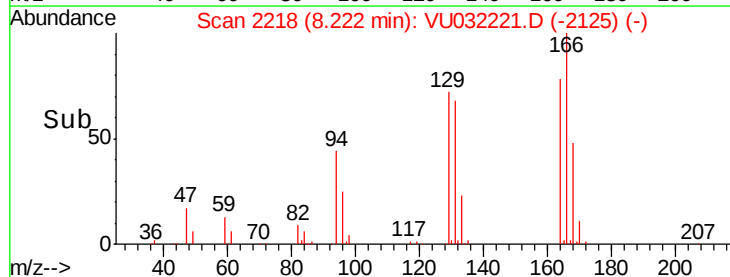


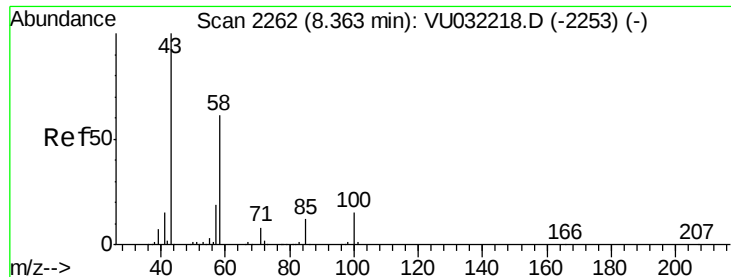
Abundance Ion 163.90 (163.60 to 164.60): V

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

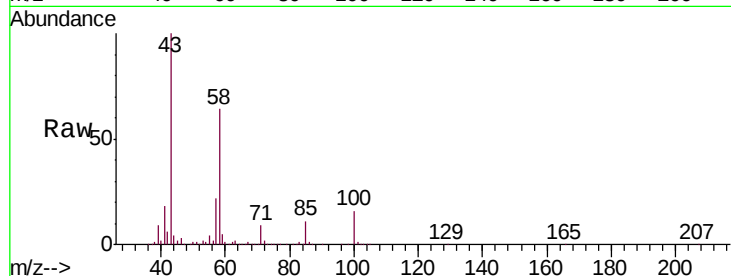




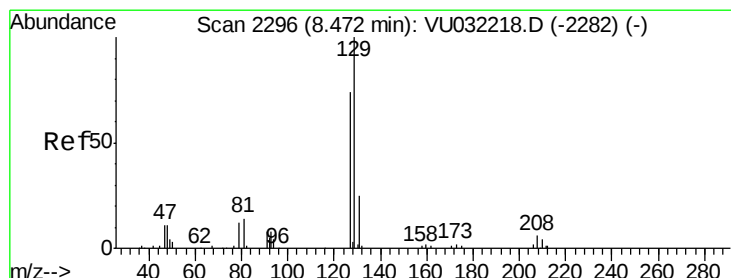
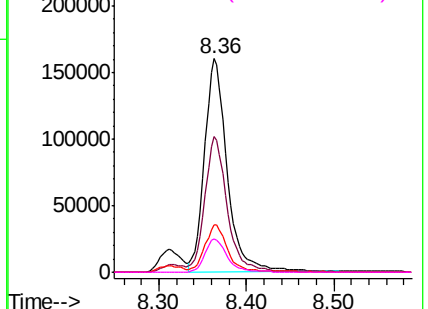
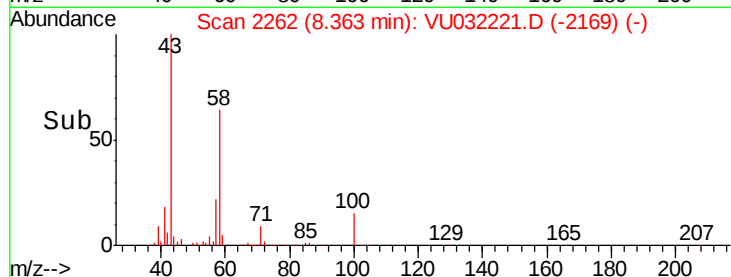
#48
2-Hexanone
Concen: 58.430 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

Instrument :
MSVOA_U
ClientSampleId :
VICV12

Tgt Ion:	43	Resp:	289209
Ion	Ratio	Lower	Upper
43	100		
58	60.9	49.7	74.5
57	20.8	17.1	25.7
100	15.1	11.6	17.4

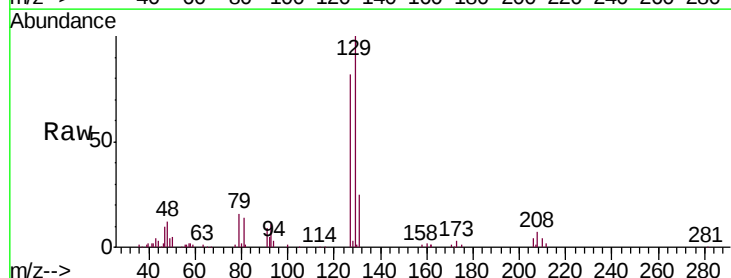


Abundance Ion 43.05 (42.75 to 43.75): VU032221.D (-2169) (-)
Ion 58.05 (57.75 to 58.75): VU032221.D (-2169) (-)
Ion 57.20 (56.90 to 57.90): VU032221.D (-2169) (-)
Ion 100.15 (99.85 to 100.85): VU032221.D (-2169) (-)

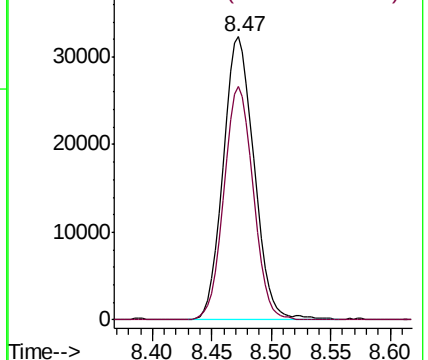
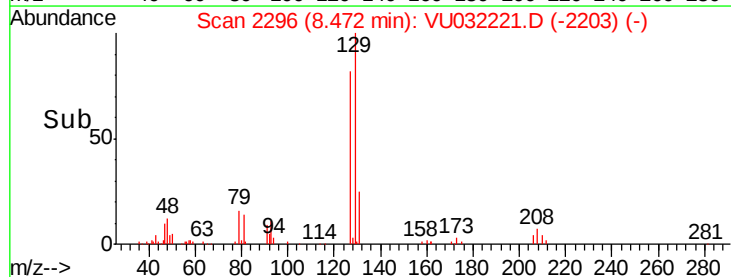


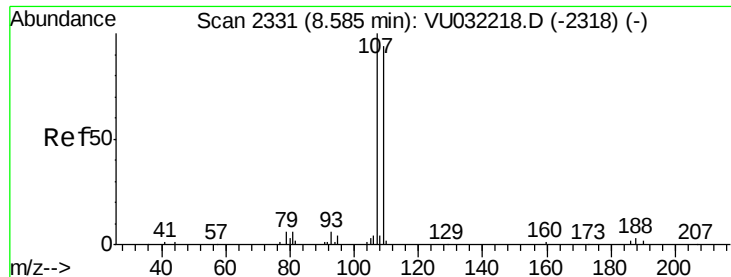
#49
Dibromochloromethane
Concen: 5.188 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

Tgt Ion:	129	Resp:	58213
Ion	Ratio	Lower	Upper
129	100		
127	82.4	51.7	95.9



Abundance Ion 128.95 (128.65 to 129.65): VU032221.D (-2203) (-)
Ion 126.90 (126.60 to 127.60): VU032221.D (-2203) (-)

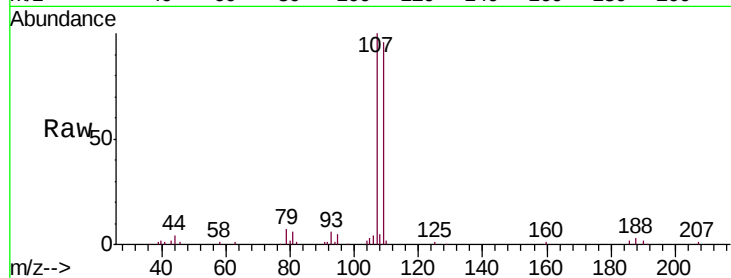




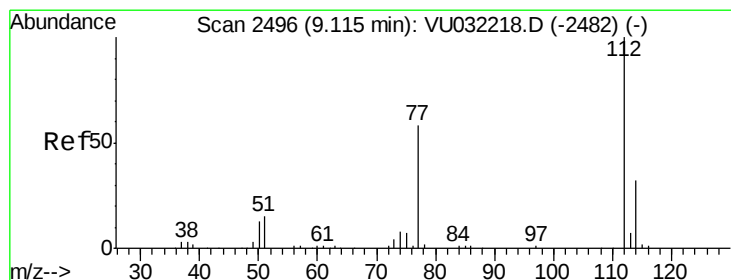
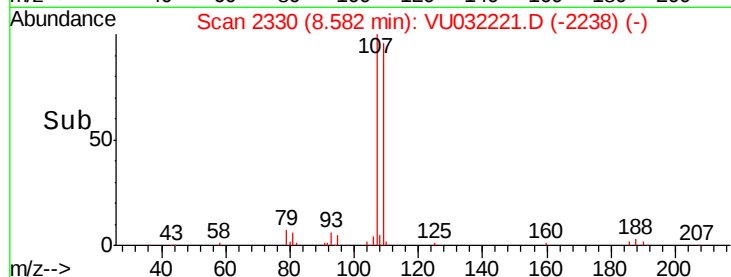
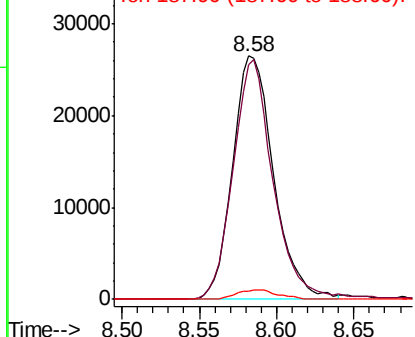
#50
1,2-Dibromoethane
Concen: 5.253 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

Instrument :
MSVOA_U
ClientSampleId :
VICV12

Tgt Ion:107 Resp: 48820
Ion Ratio Lower Upper
107 100
109 96.3 65.8 122.2
188 3.4 2.6 3.8

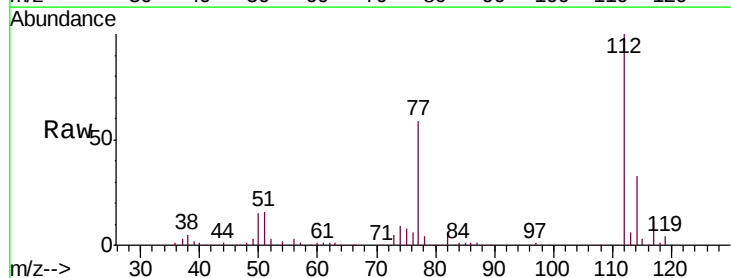


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

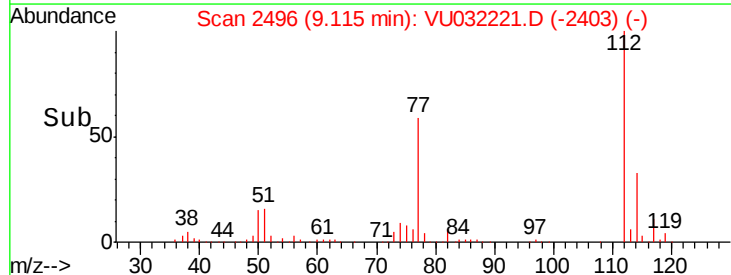
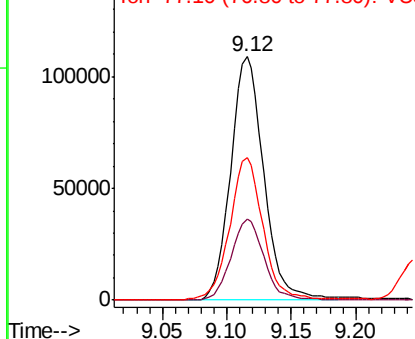


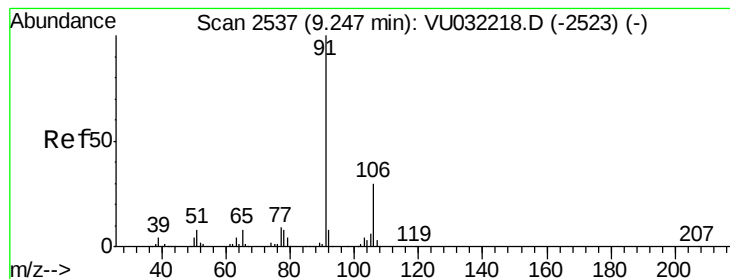
#51
Chlorobenzene
Concen: 5.391 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

Tgt Ion:112 Resp: 194392
Ion Ratio Lower Upper
112 100
114 33.0 22.6 42.0
77 58.7 46.8 70.2



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): VU0





#52

Ethylbenzene

Concen: 5.384 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

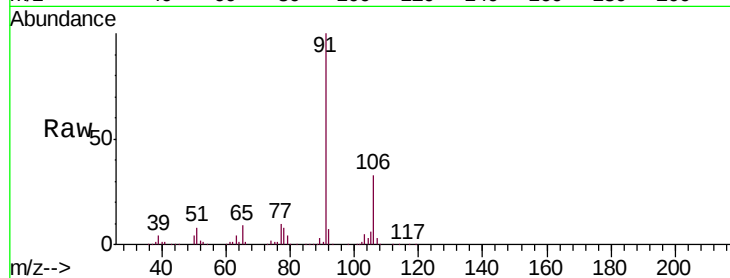
VICV12

Tgt Ion: 91 Resp: 305359

Ion Ratio Lower Upper

91 100

106 32.6 20.9 38.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V

9.25

200000

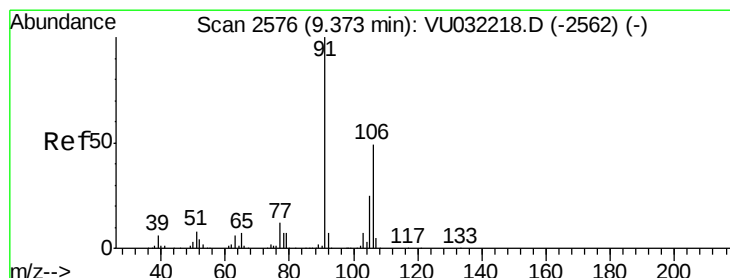
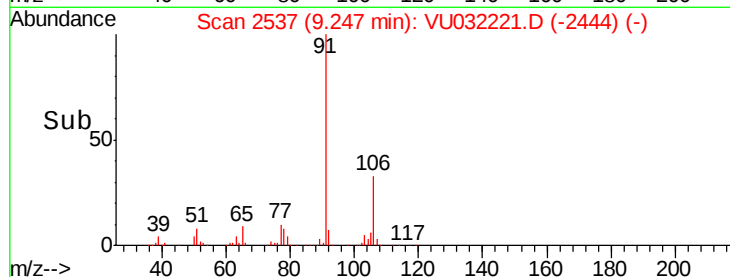
150000

100000

50000

0

Time--> 9.15 9.20 9.25 9.30 9.35



#53

m,p-Xylene

Concen: 5.593 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032221.D

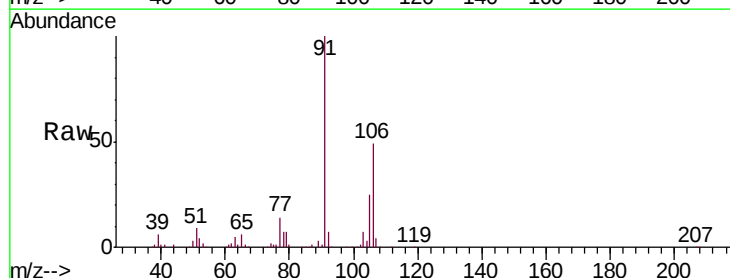
Acq: 22 May 2019 14:37

Tgt Ion: 106 Resp: 117955

Ion Ratio Lower Upper

106 100

91 202.8 143.9 267.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

9.37

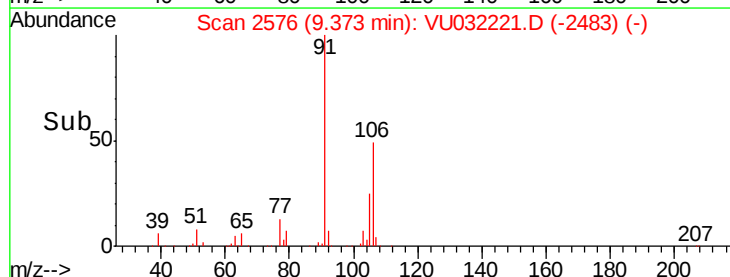
150000

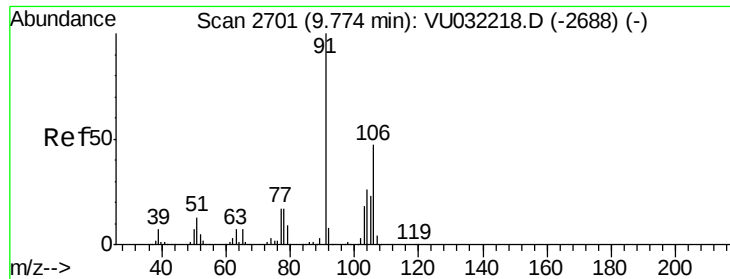
100000

50000

0

Time--> 9.30 9.35 9.40 9.45

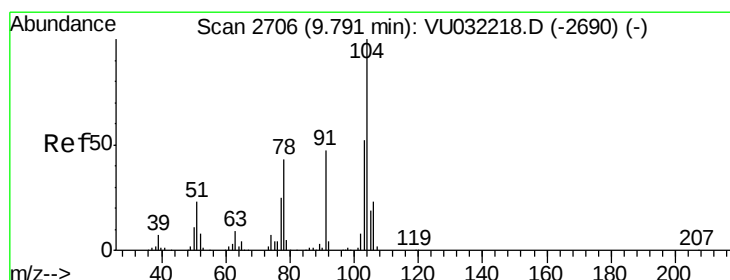
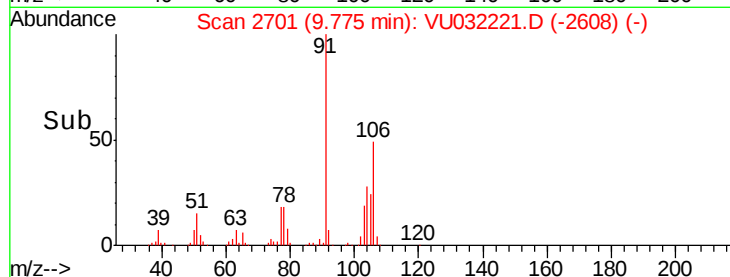
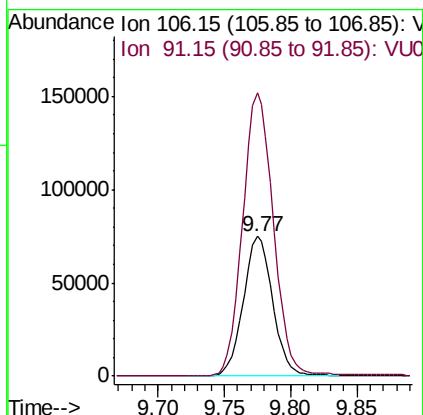
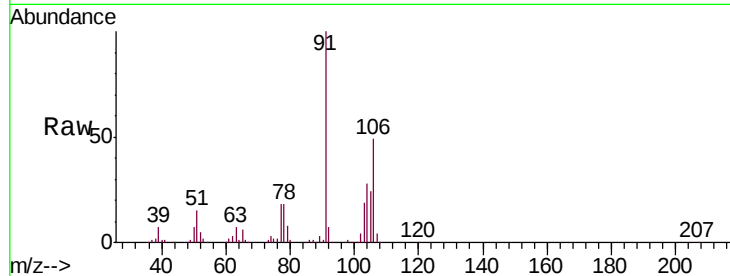




#54
o-Xylene
Concen: 5.496 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

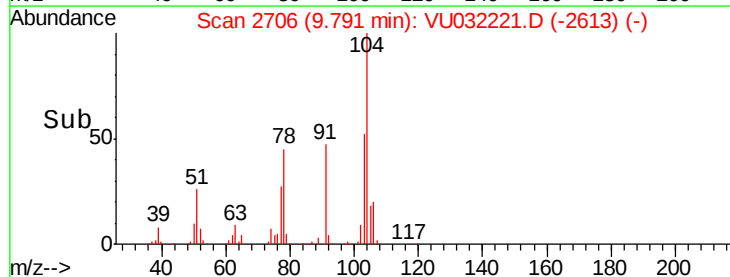
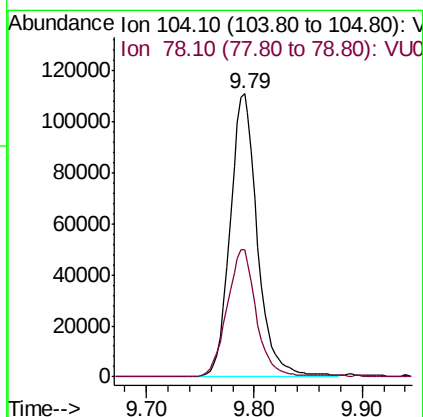
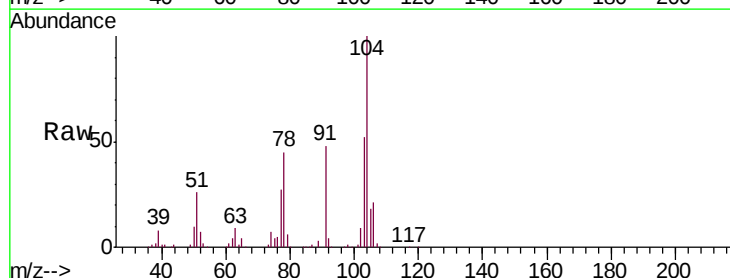
Instrument :
MSVOA_U
ClientSampleId :
VICV12

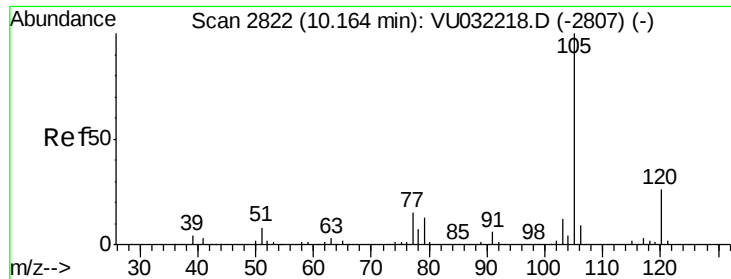
Tgt Ion:106 Resp: 115827
Ion Ratio Lower Upper
106 100
91 202.5 147.8 274.4



#55
Styrene
Concen: 5.561 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU032221.D
Acq: 22 May 2019 14:37

Tgt Ion:104 Resp: 196074
Ion Ratio Lower Upper
104 100
78 44.8 30.3 56.3





#56

Isopropylbenzene

Concen: 5.692 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV12

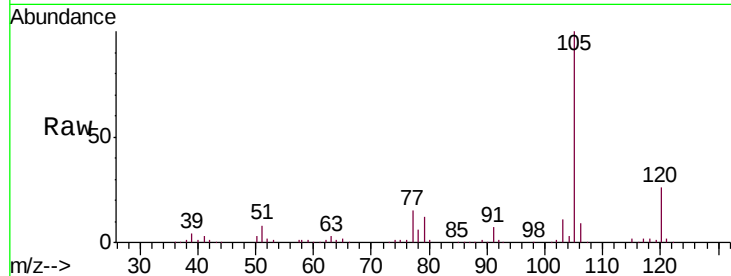
Tgt Ion: 105 Resp: 303234

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

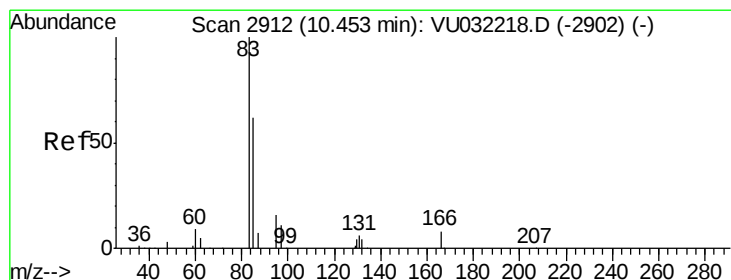
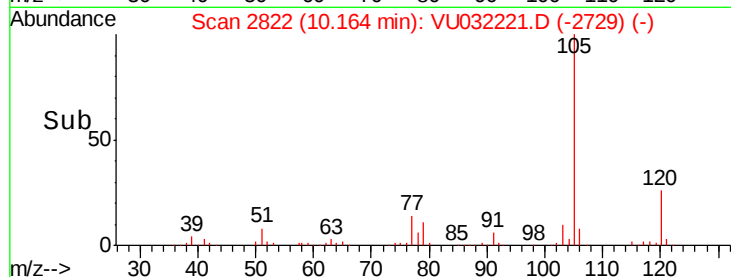
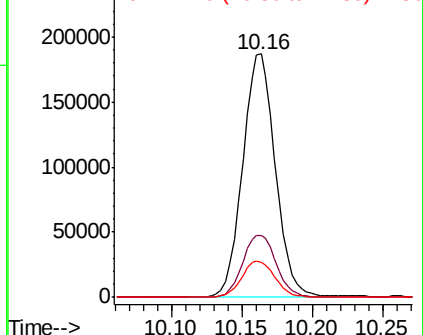
77 15.3 11.9 17.9



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: 5.378 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

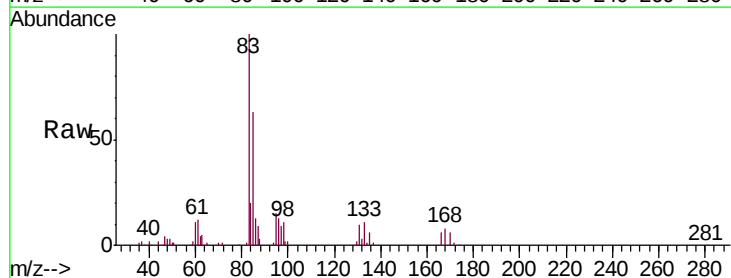
Tgt Ion: 83 Resp: 63860

Ion Ratio Lower Upper

83 100

85 63.1 46.5 86.3

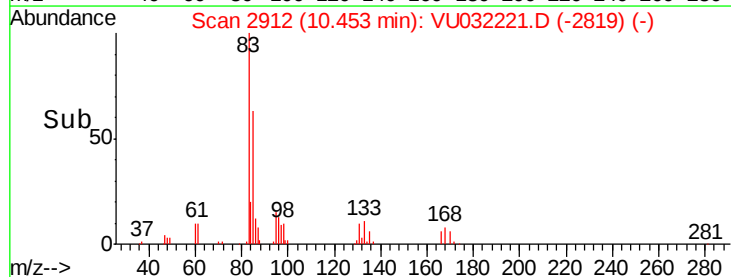
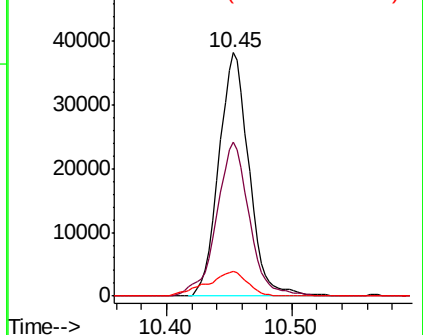
131 10.1 7.8 11.6

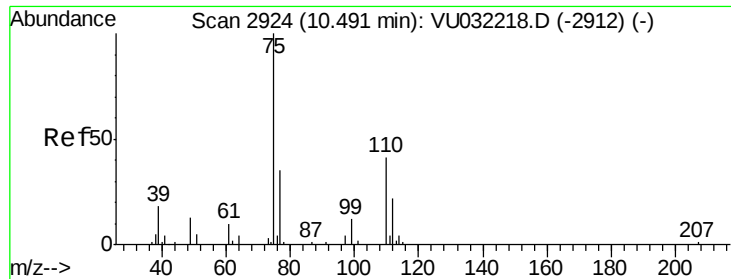


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.285 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

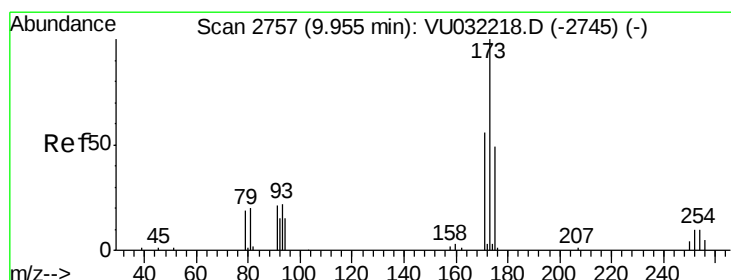
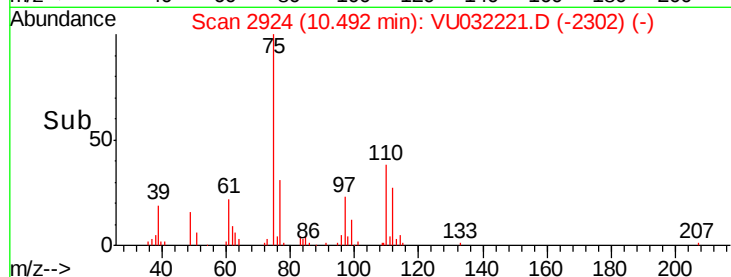
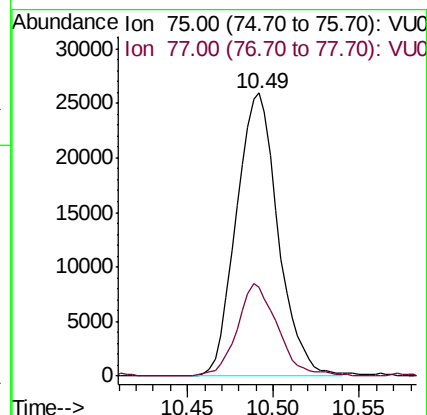
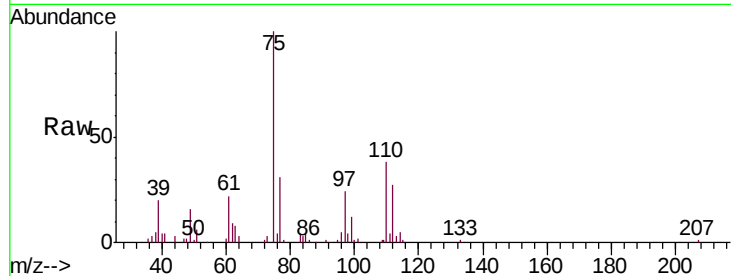
VICV12

Tgt Ion: 75 Resp: 43940

Ion Ratio Lower Upper

75 100

77 31.5 28.2 42.4



#61

Bromoform

Concen: 5.099 ug/L

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

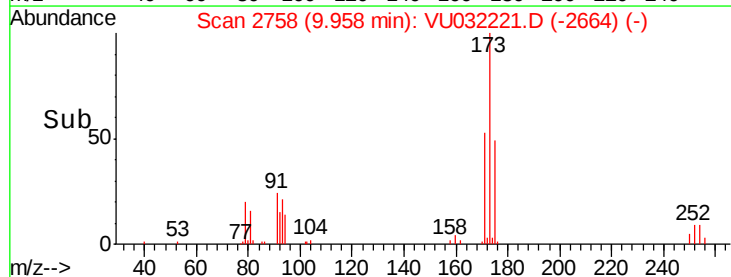
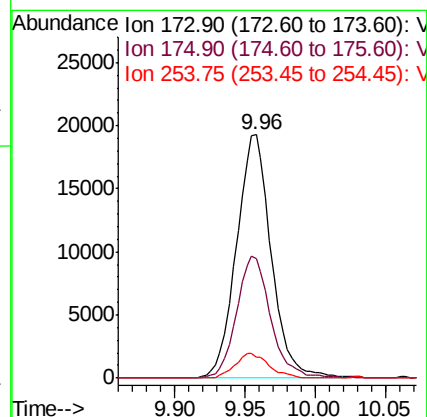
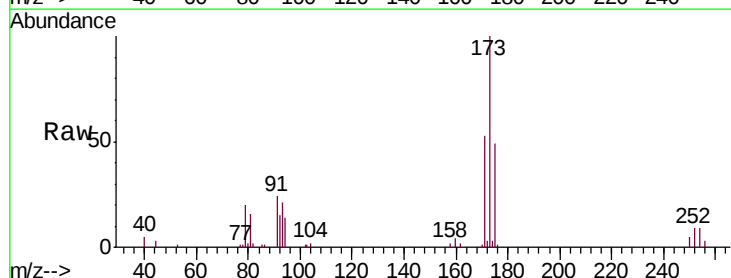
Tgt Ion: 173 Resp: 33287

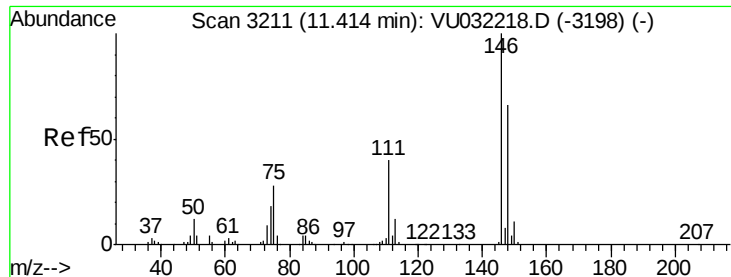
Ion Ratio Lower Upper

173 100

175 48.4 40.1 60.1

254 9.9 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 5.402 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV12

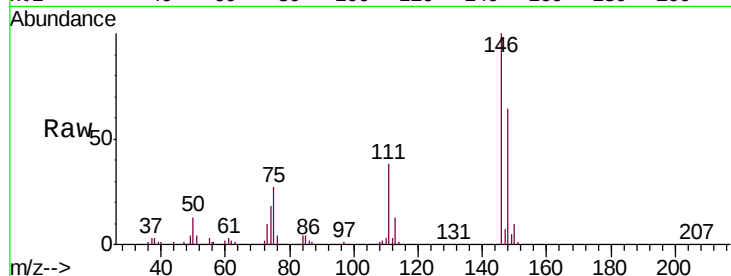
Tgt Ion:146 Resp: 145461

Ion Ratio Lower Upper

146 100

111 38.4 28.2 52.4

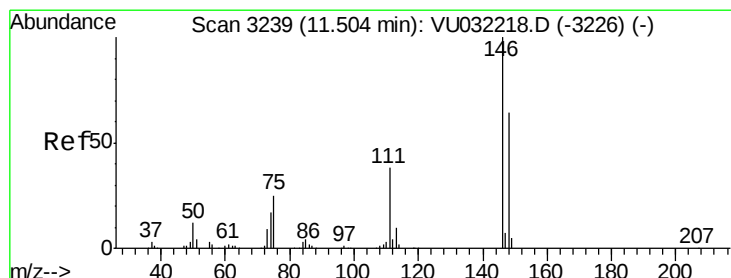
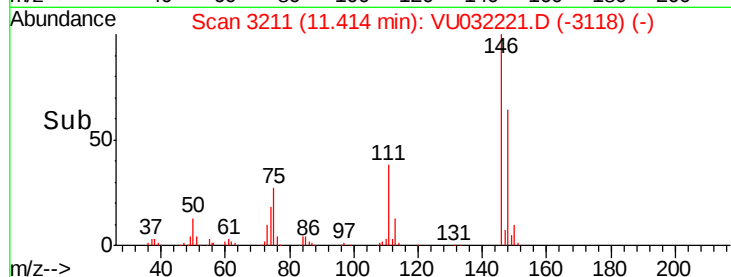
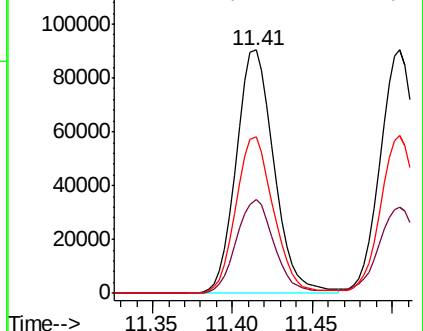
148 64.2 46.0 85.4



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: 5.226 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

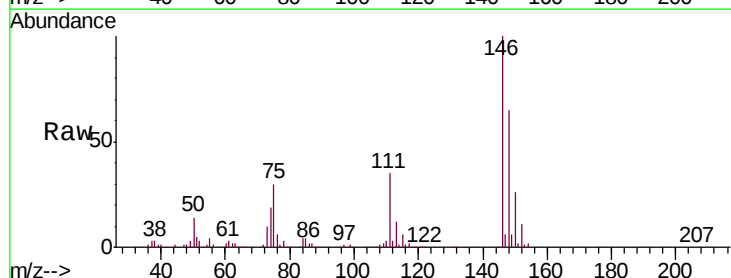
Tgt Ion:146 Resp: 147607

Ion Ratio Lower Upper

146 100

111 35.4 26.6 49.4

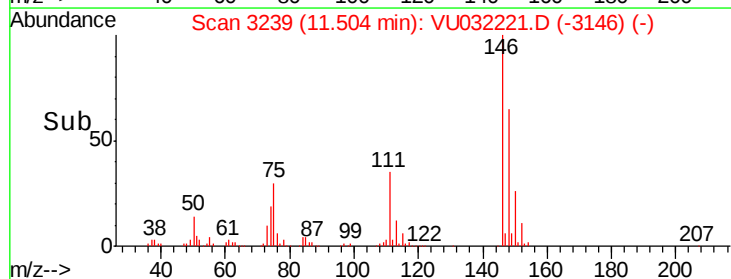
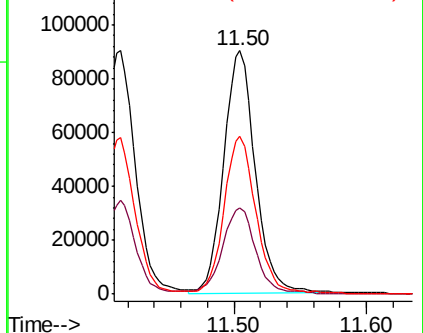
148 64.9 45.2 84.0

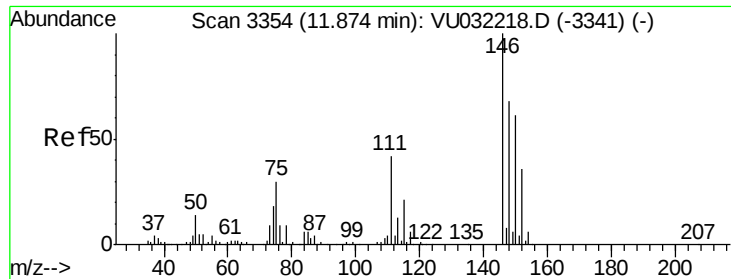


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

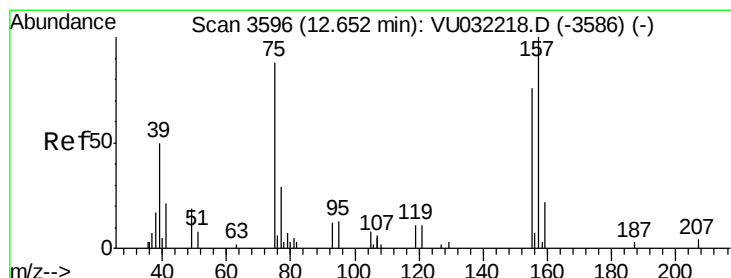
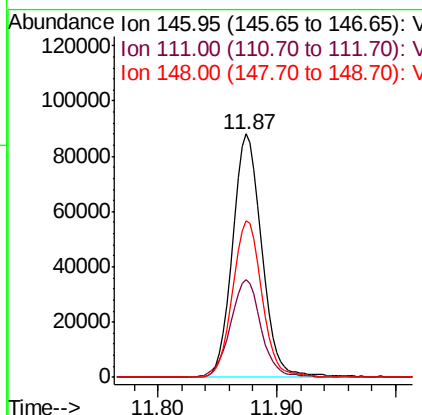
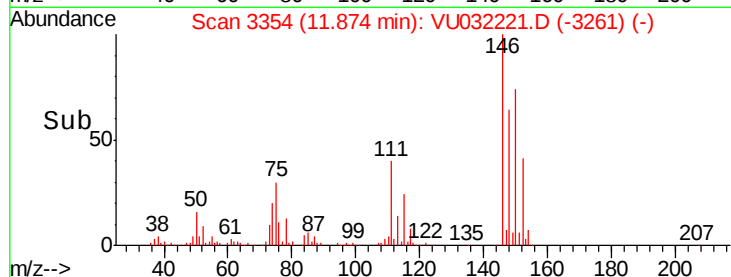
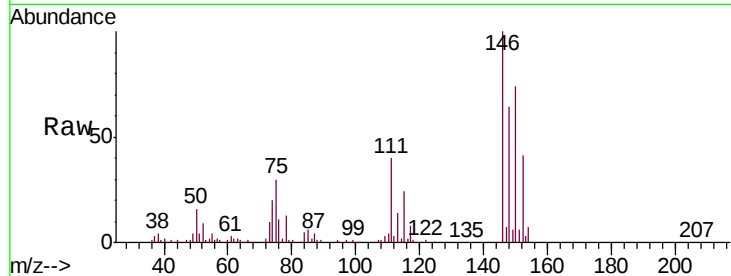




#65
 1,2-Dichlorobenzene
 Concen: 5.483 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032221.D
 Acq: 22 May 2019 14:37

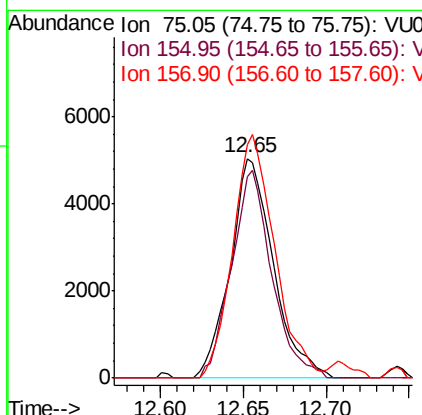
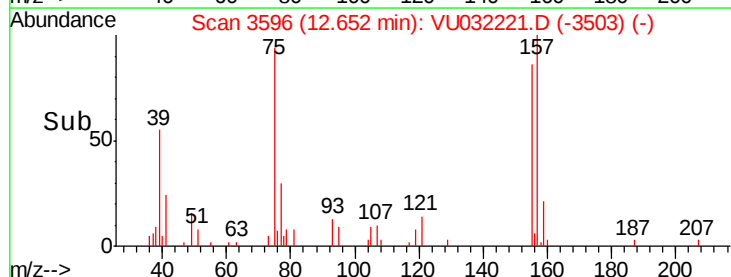
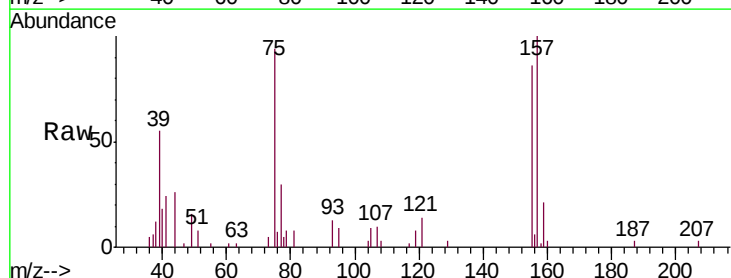
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV12

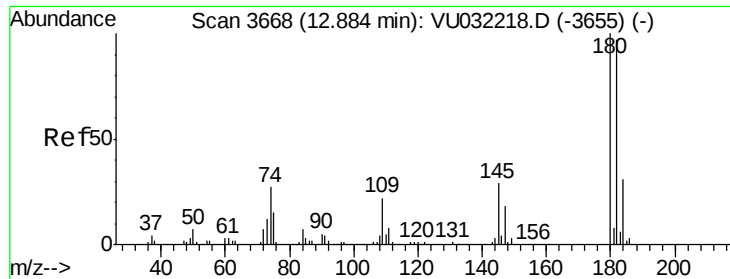
Tgt Ion:146 Resp: 149771
 Ion Ratio Lower Upper
 146 100
 111 40.3 33.9 50.9
 148 64.3 54.3 81.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.173 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032221.D
 Acq: 22 May 2019 14:37

Tgt Ion: 75 Resp: 9124
 Ion Ratio Lower Upper
 75 100
 155 91.6 69.3 103.9
 157 106.3 90.6 135.8

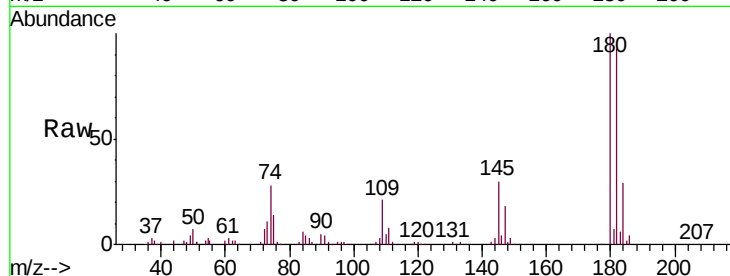




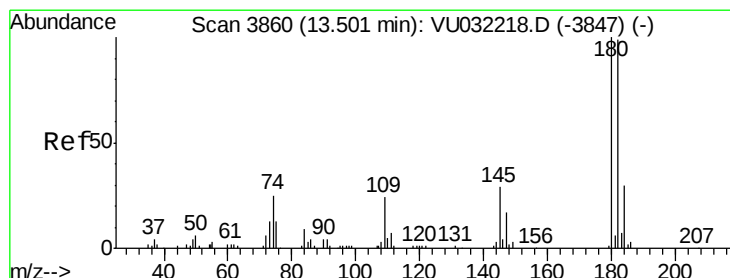
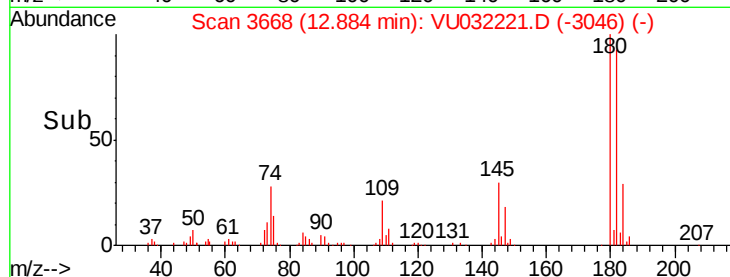
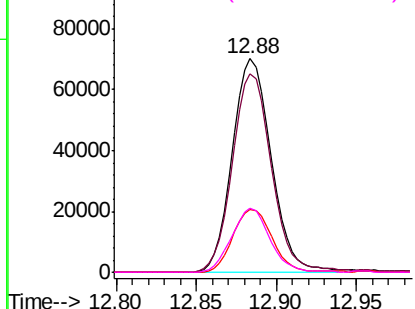
#67
 1,3,5-Trichlorobenzene
 Concen: 5.690 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032221.D
 Acq: 22 May 2019 14:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV12

Tgt Ion:180 Resp: 116599
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.2 114.4
 184 29.3 24.3 36.5
 145 29.4 23.6 35.4

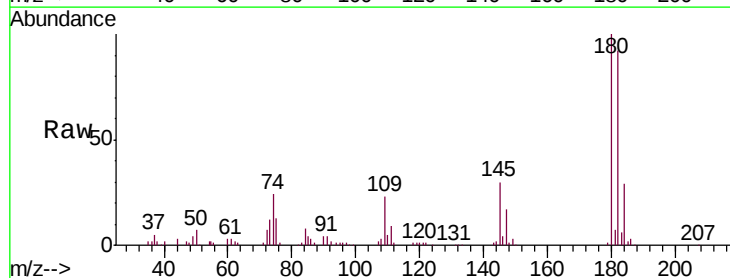


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

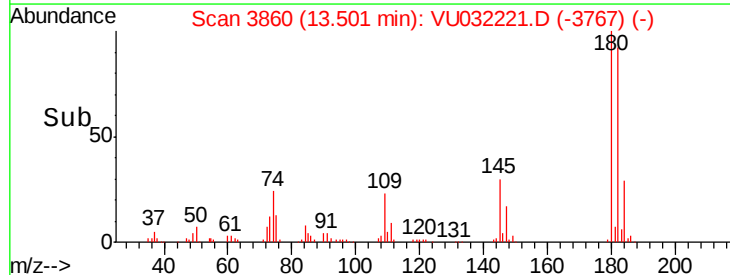
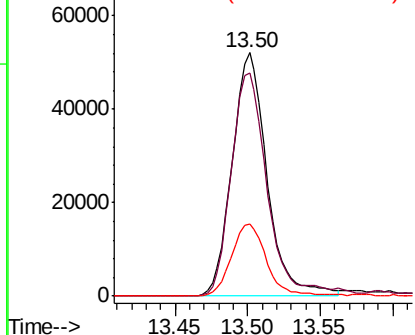


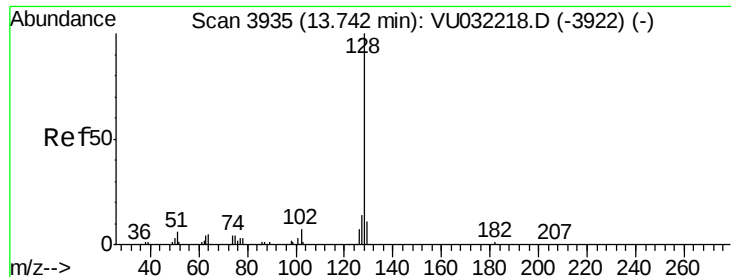
#68
 1,2,4-trichlorobenzene
 Concen: 6.045 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU032221.D
 Acq: 22 May 2019 14:37

Tgt Ion:180 Resp: 87343
 Ion Ratio Lower Upper
 180 100
 182 93.7 75.9 113.9
 145 29.4 21.7 32.5



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: 5.699 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV12

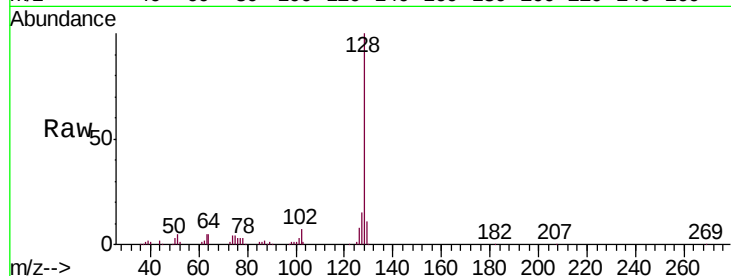
Tgt Ion:128 Resp: 125972

Ion Ratio Lower Upper

128 100

129 10.2 9.2 13.8

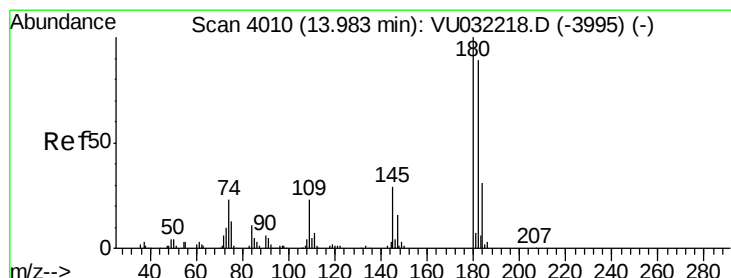
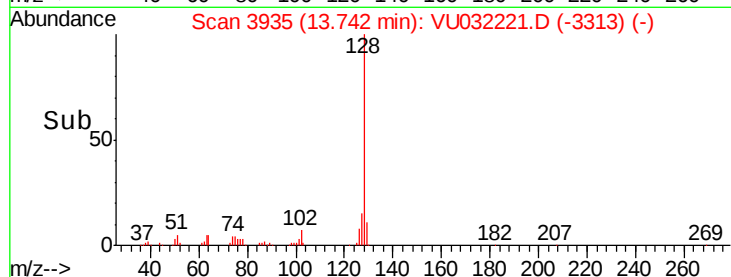
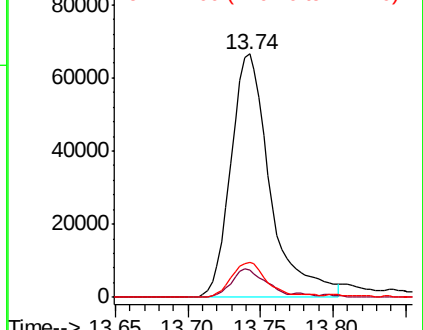
127 13.3 11.1 16.7



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: 5.722 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032221.D

Acq: 22 May 2019 14:37

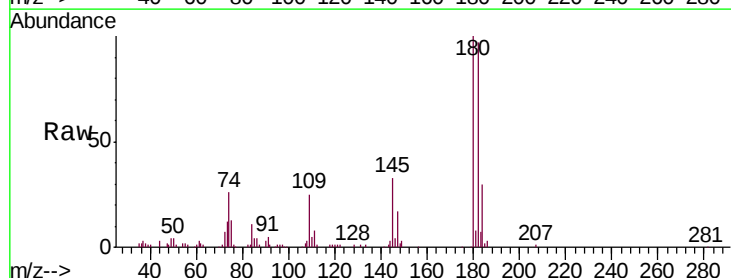
Tgt Ion:180 Resp: 87511

Ion Ratio Lower Upper

180 100

182 96.3 74.6 111.8

145 31.9 23.4 35.0



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

