

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112520\
 Data File : VU041428.D
 Acq On : 25 Nov 2020 13:04
 Operator : SY/MD
 Sample : VSTD01006
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010106

Quant Time: Nov 26 06:16:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR112520WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 26 06:14:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	69994	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	71296	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	39417	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	57656	11.96	ug/L	0.00
7) Chloroethane-d5	1.92	69	39289	10.27	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	26257	11.39	ug/L	0.00
20) 2-Butanone-d5	4.65	46	152414	82.36	ug/L	0.00
24) Chloroform-d	5.08	84	110671	11.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	66862	10.92	ug/L	0.00
32) Benzene-d6	5.74	84	186101	10.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	55477	9.36	ug/L	0.00
41) Toluene-d8	7.91	98	180049	11.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	29873	11.36	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	118140	89.34	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	53908	9.82	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	72023	10.73	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	80925	12.556 ug/L	97
3) Chloromethane	1.53	50	64679	10.188 ug/L	99
5) Vinyl chloride	1.61	62	66672	10.725 ug/L	95
6) Bromomethane	1.87	94	34617	10.306 ug/L	98
8) Chloroethane	1.94	64	35933	8.904 ug/L	99
9) Trichlorofluoromethane	2.15	101	112576	12.139 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	54197	10.611 ug/L	99
12) 1,1-Dichloroethene	2.59	96	46200	9.714 ug/L	# 84
13) Acetone	2.66	43	108660	88.191 ug/L	98
14) Carbon disulfide	2.81	76	131992	8.879 ug/L	99
15) Methyl Acetate	2.97	43	22594	8.057 ug/L	98
16) Methylene chloride	3.06	84	54009	9.496 ug/L	95
17) Methyl tert-butyl Ether	3.38	73	134863	10.697 ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	46179	9.508 ug/L	99
19) 1,1-Dichloroethane	3.89	63	95920	9.578 ug/L	99
21) 2-Butanone	4.73	43	164861	84.973 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	53792	10.261 ug/L	93
23) Bromochloromethane	5.00	128	25396	10.244 ug/L	98
25) Chloroform	5.11	83	108458	10.406 ug/L	96
27) 1,2-Dichloroethane	5.81	62	80468	10.540 ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	99938	10.624 ug/L	98
30) Cyclohexane	5.40	56	77137	9.387 ug/L	99
31) Carbon tetrachloride	5.54	117	92107	11.327 ug/L	98
33) Benzene	5.79	78	204706	9.734 ug/L	100
34) Trichloroethene	6.56	95	53965	9.459 ug/L	97
35) Methylcyclohexane	6.77	83	83116	10.451 ug/L	98
37) 1,2-Dichloropropane	6.80	63	53025	9.009 ug/L	99
38) Bromodichloromethane	7.11	83	80014	10.410 ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	78419	9.684 ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	380699	87.001 ug/L	99

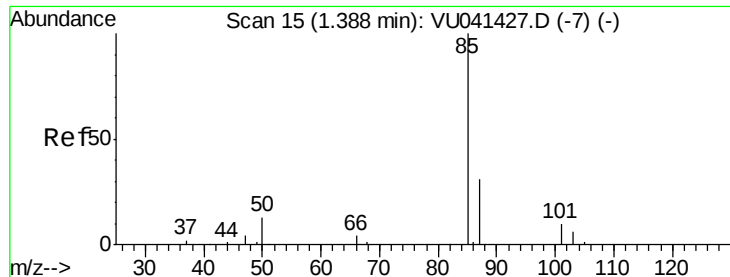
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112520\
 Data File : VU041428.D
 Acq On : 25 Nov 2020 13:04
 Operator : SY/MD
 Sample : VSTD01006
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010106

Quant Time: Nov 26 06:16:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR112520WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 26 06:14:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	226449	10.455	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	81075	10.675	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	41559	9.768	ug/L	99
47) Tetrachloroethene	8.56	164	42989	10.747	ug/L	99
48) 2-Hexanone	8.69	43	295722	90.088	ug/L	98
49) Dibromochloromethane	8.81	129	56658	11.046	ug/L	98
50) 1,2-Dibromoethane	8.93	107	41682	10.258	ug/L	97
51) Chlorobenzene	9.45	112	148319	10.731	ug/L	99
52) Ethylbenzene	9.57	91	264422	11.761	ug/L	99
53) m,p-Xylene	9.69	106	98707	12.052	ug/L	97
54) o-Xylene	10.10	106	94972	12.082	ug/L	99
55) Styrene	10.11	104	168779	12.390	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	55492	10.077	ug/L	97
59) Bromoform	10.29	173	32609	10.391	ug/L	99
60) Isopropylbenzene	10.48	105	266070	11.463	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	43339	9.238	ug/L	98
62) 1,3,5-Trimethylbenzene	11.09	105	231884	12.097	ug/L	98
63) 1,2,4-Trimethylbenzene	11.47	105	240100	12.406	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	126718	10.767	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	128099	10.677	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	120391	10.505	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	11413	10.169	ug/L	94
69) 1,3,5-Trichlorobenzene	13.21	180	96050	11.650	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	83072	11.933	ug/L	100
71) Naphthalene	14.08	128	151572	12.365	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	76800	11.808	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 12.556 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

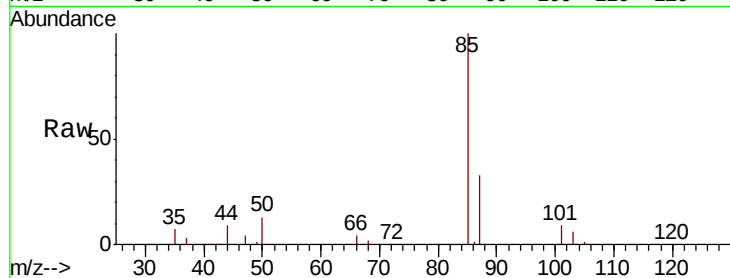
VSTD010106

Tot Ion: 85 Resp: 80925

Ion Ratio Lower Upper

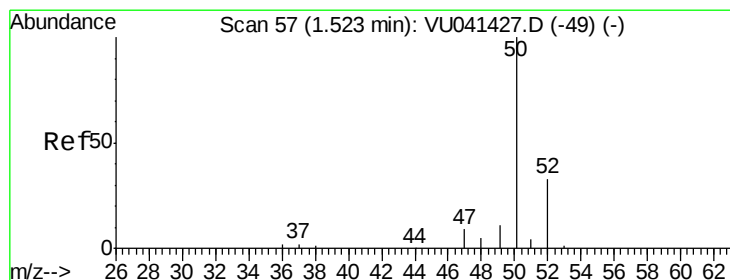
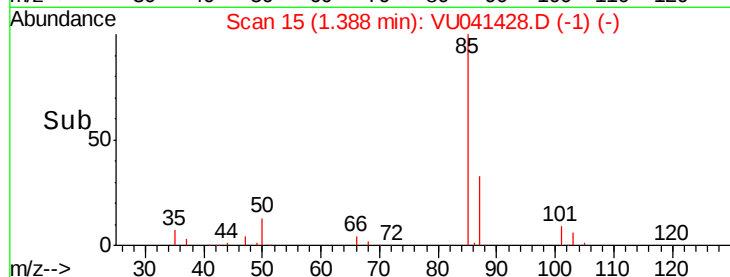
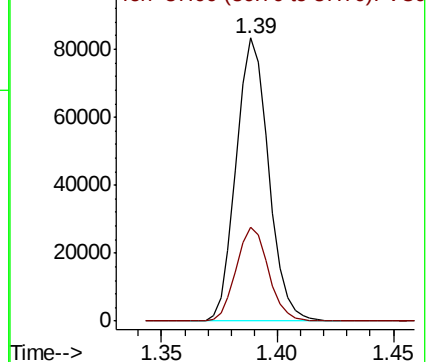
85 100

87 32.8 24.9 37.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 10.188 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041428.D

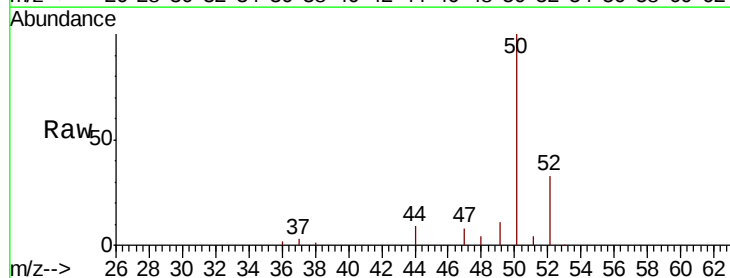
Acq: 25 Nov 2020 13:04

Tgt Ion: 50 Resp: 64679

Ion Ratio Lower Upper

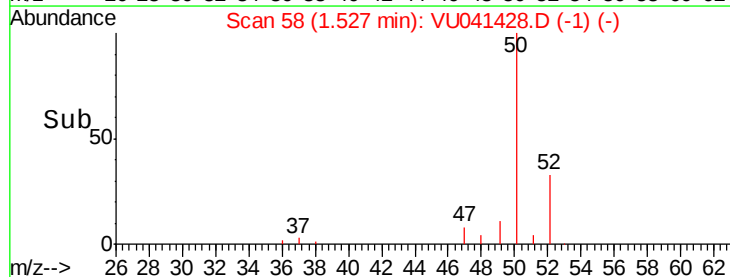
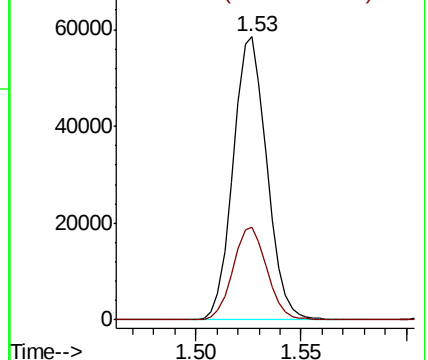
50 100

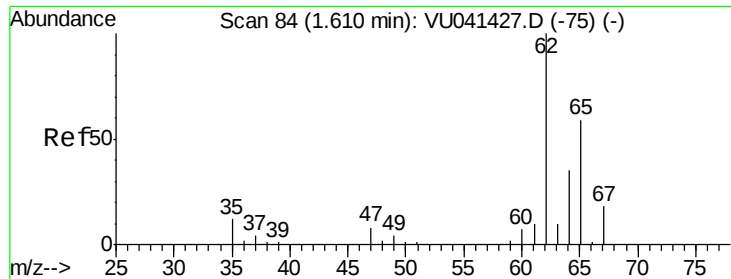
52 32.7 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 10.725 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

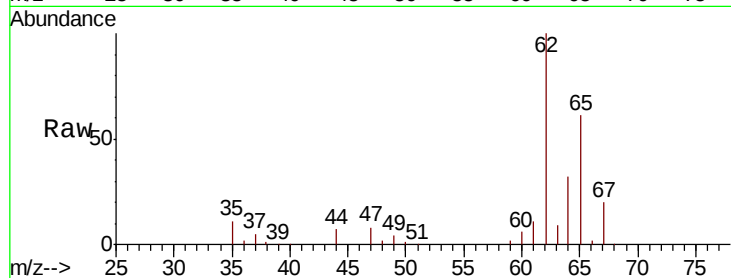
VSTD010106

Tot Ion: 62 Resp: 66672

Ion Ratio Lower Upper

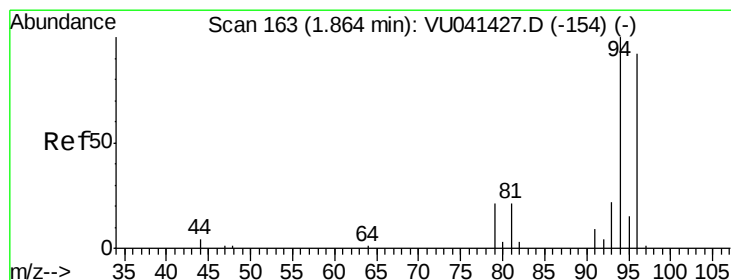
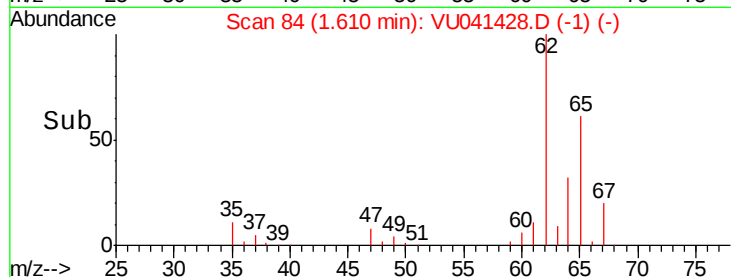
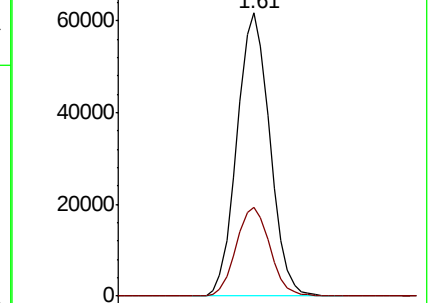
62 100

64 31.5 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VU041428.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU041428.D (-75) (-)



#6

Bromomethane

Concen: 10.306 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041428.D

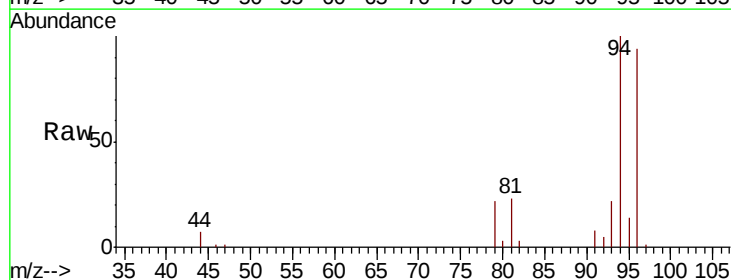
Acq: 25 Nov 2020 13:04

Tgt Ion: 94 Resp: 34617

Ion Ratio Lower Upper

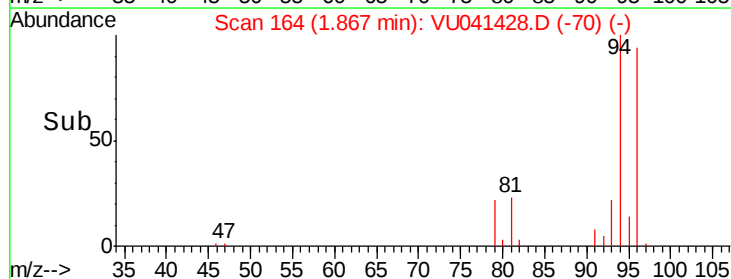
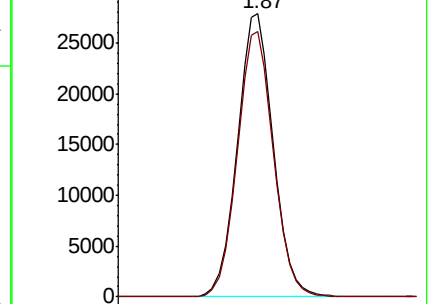
94 100

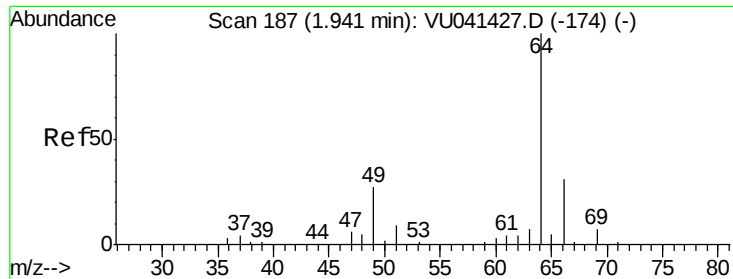
96 93.9 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VU041428.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU041428.D (-154) (-)





#8

Chloroethane

Concen: 8.904 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

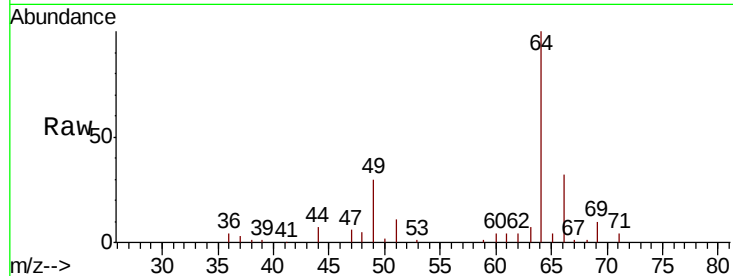
VSTD010106

Tot Ion: 64 Resp: 35933

Ion Ratio Lower Upper

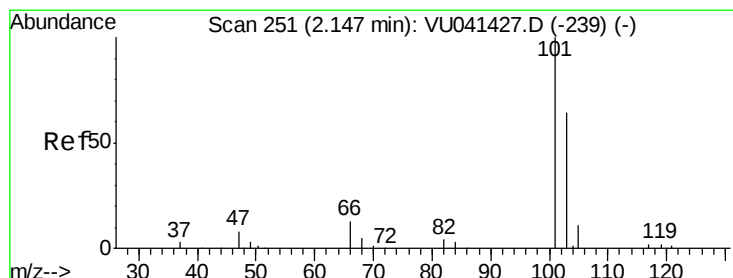
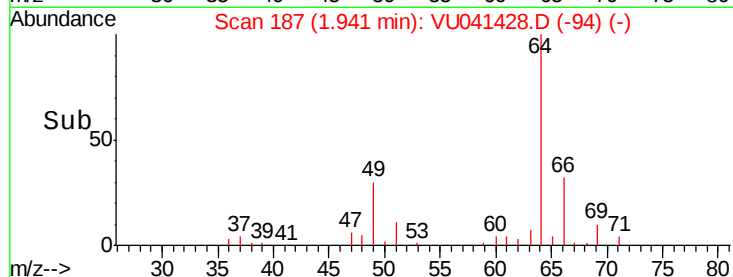
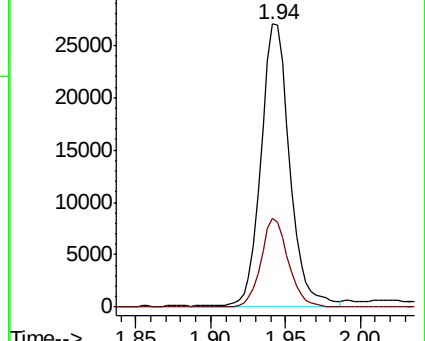
64 100

66 31.5 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU041428.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU041428.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 12.139 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU041428.D

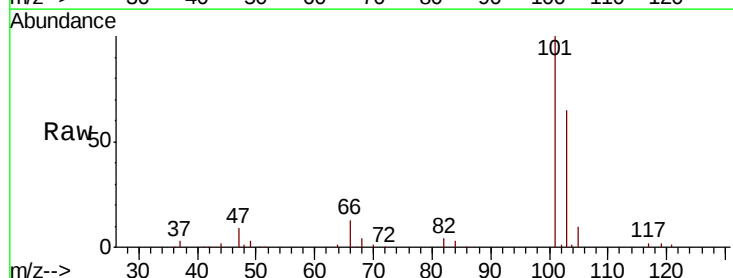
Acq: 25 Nov 2020 13:04

Tgt Ion: 101 Resp: 112576

Ion Ratio Lower Upper

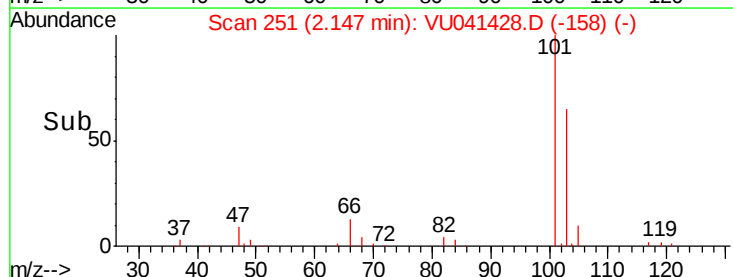
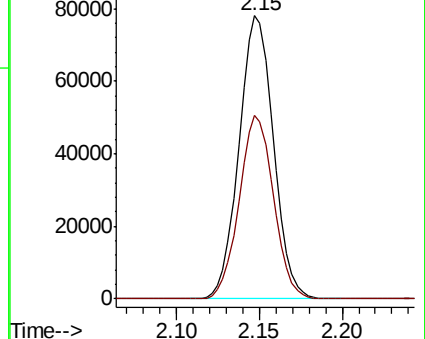
101 100

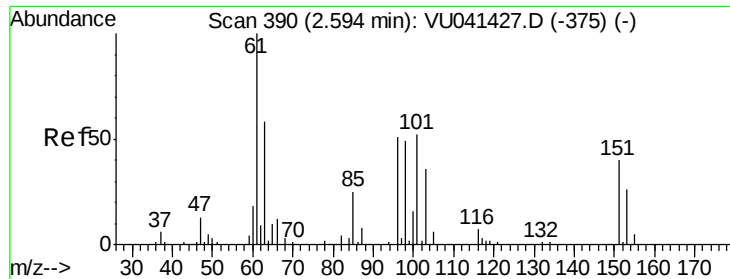
103 64.6 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041428.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041428.D (-239) (-)





#10

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

Concen: 10.611 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010106

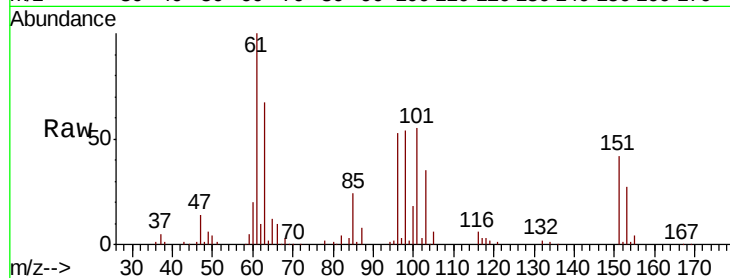
Tot Ion:101 Resp: 54197

Ion Ratio Lower Upper

101 100

85 45.7 37.8 56.6

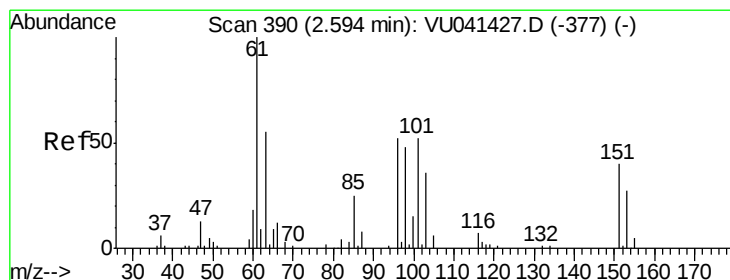
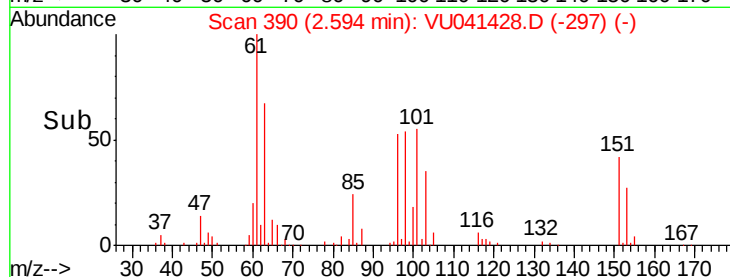
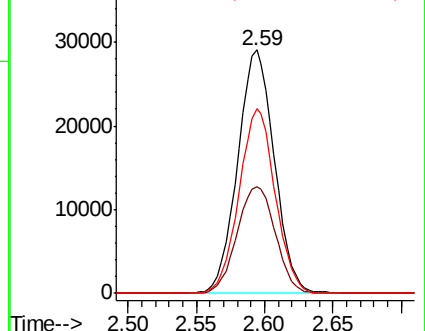
151 74.7 59.6 89.4



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: 9.714 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

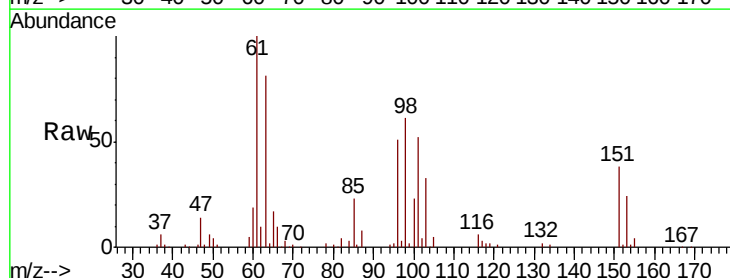
Tgt Ion: 96 Resp: 46200

Ion Ratio Lower Upper

96 100

61 194.6 136.1 252.7

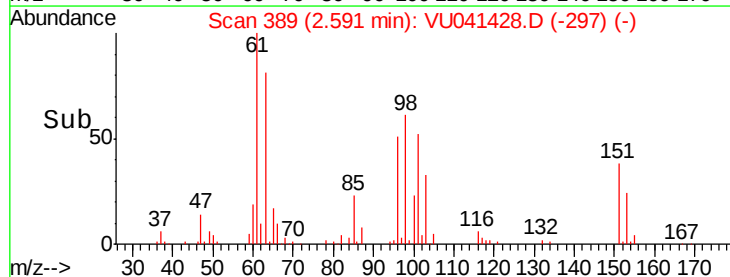
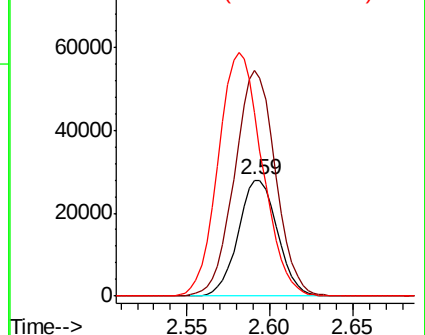
63 158.6 79.5 147.6#

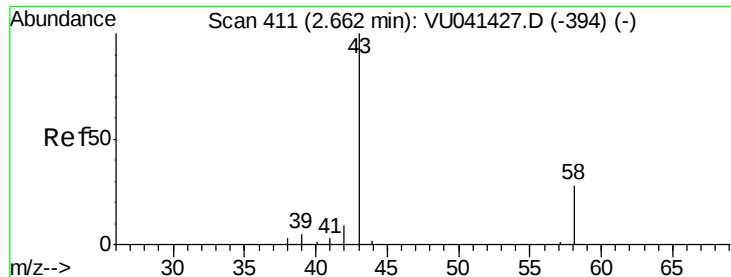


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 88.191 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

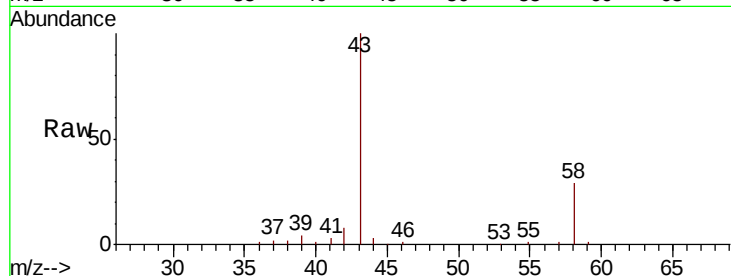
VSTD010106

Tot Ion: 43 Resp: 108660

Ion Ratio Lower Upper

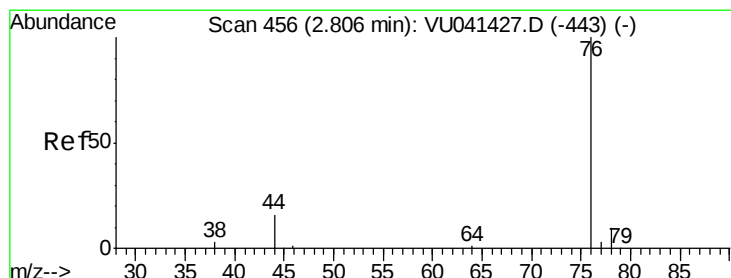
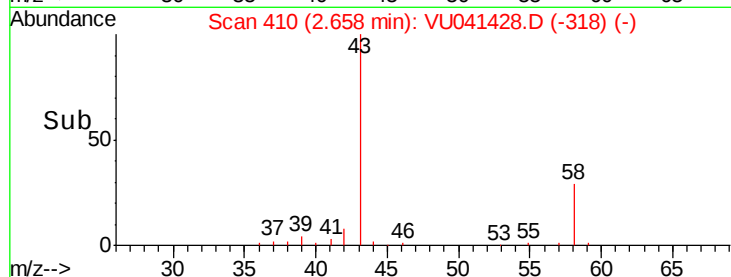
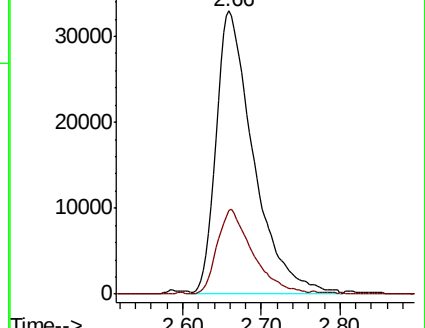
43 100

58 28.4 0.0 58.8



Abundance Ion 43.05 (42.75 to 43.75): VU041428.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU041428.D (-394) (-)



#14

Carbon disulfide

Concen: 8.879 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041428.D

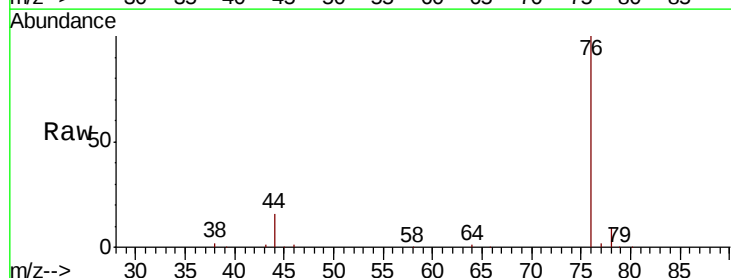
Acq: 25 Nov 2020 13:04

Tgt Ion: 76 Resp: 131992

Ion Ratio Lower Upper

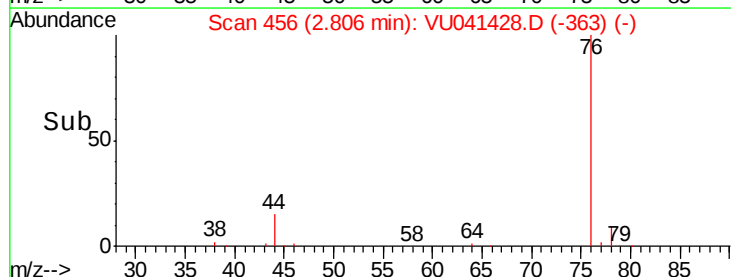
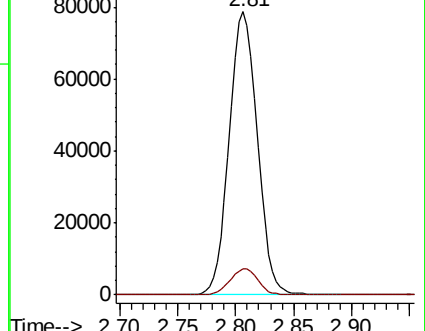
76 100

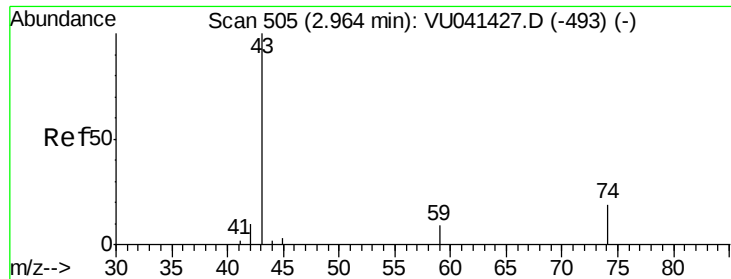
78 9.2 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU041428.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041428.D (-363) (-)

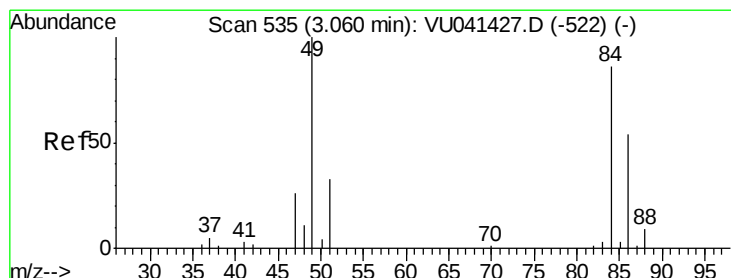
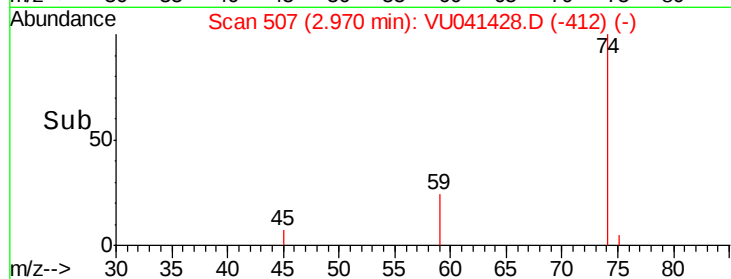
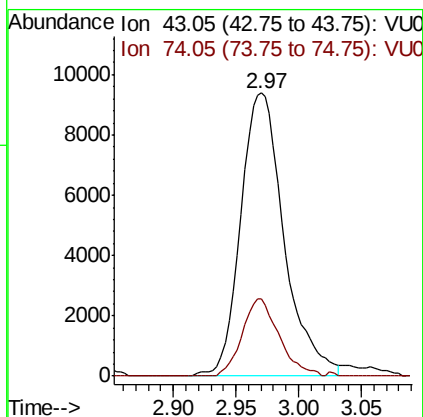
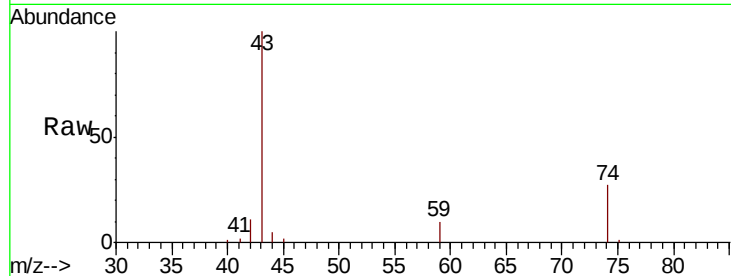




#15
Methyl Acetate
Concen: 8.057 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.01 min
Lab File: VU041428.D
Acq: 25 Nov 2020 13:04

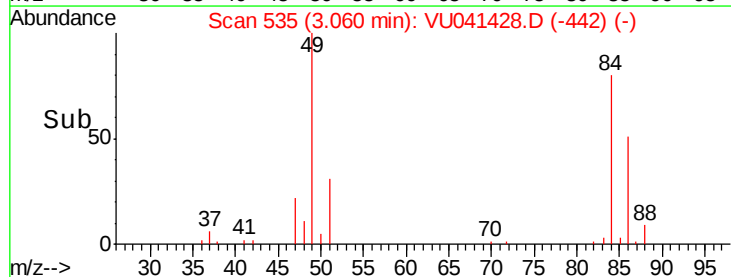
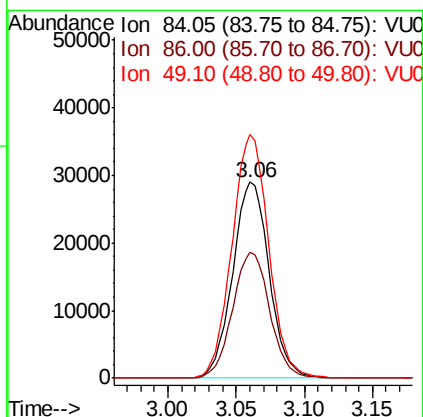
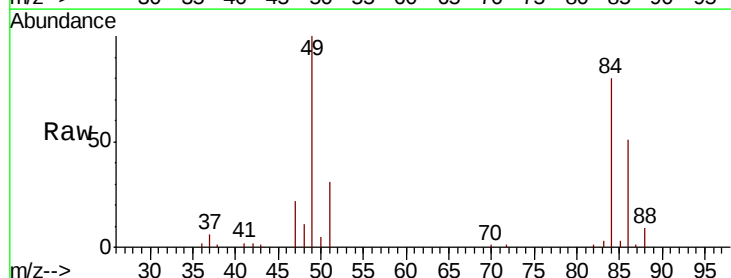
Instrument :
MSVOA_U
ClientSampleId :
VSTD010106

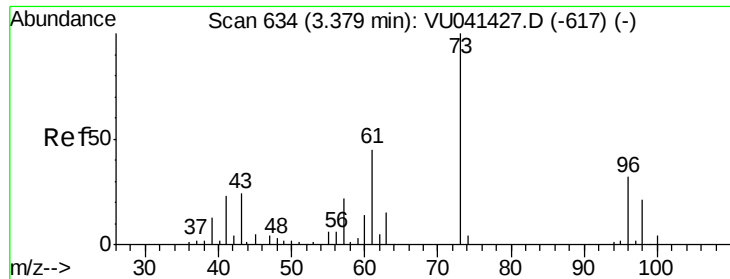
Tot Ion: 43 Resp: 22594
Ion Ratio Lower Upper
43 100
74 23.3 18.0 27.0



#16
Methylene chloride
Concen: 9.496 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041428.D
Acq: 25 Nov 2020 13:04

Tgt Ion: 84 Resp: 54009
Ion Ratio Lower Upper
84 100
86 64.1 44.5 82.7
49 124.4 81.8 152.0

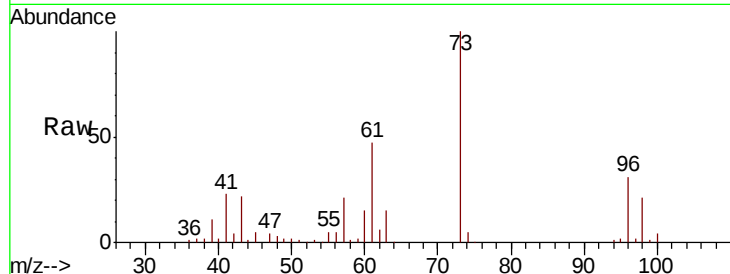




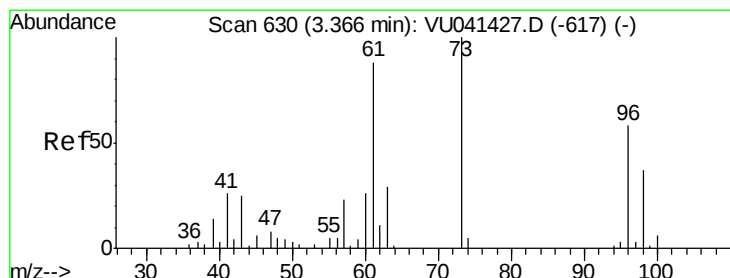
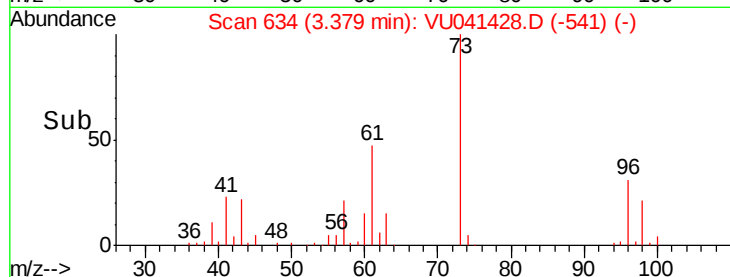
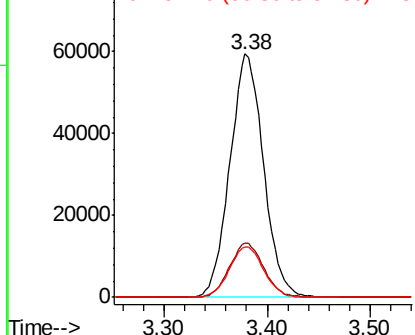
#17
Methvl tert-butvl Ether
Concen: 10.697 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041428.D
Acq: 25 Nov 2020 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD010106

Tot Ion: 73 Resp: 134863
Ion Ratio Lower Upper
73 100
43 22.8 19.8 29.8
57 21.2 17.6 26.4

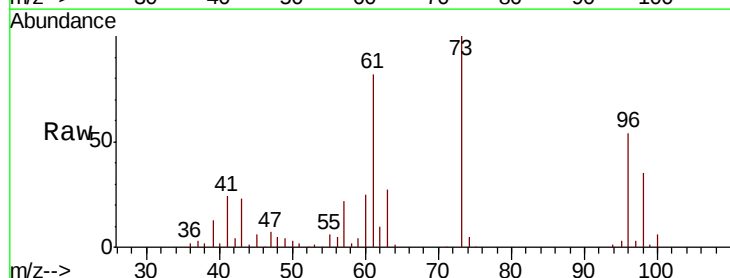


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

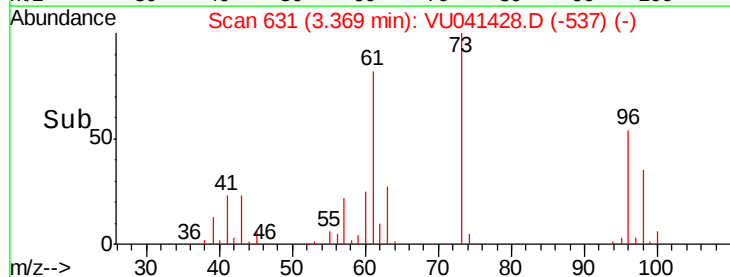
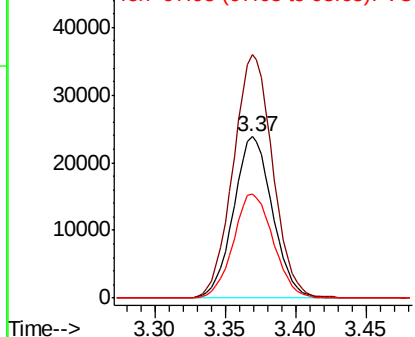


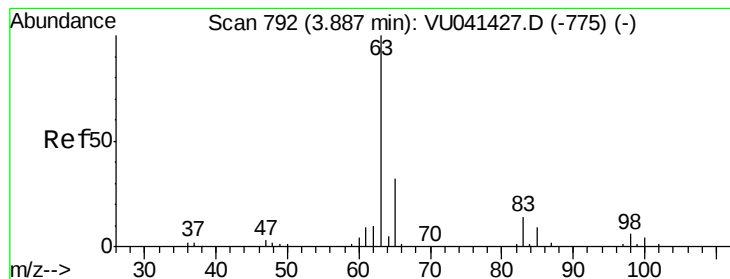
#18
trans-1,2-Dichloroethene
Concen: 9.508 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041428.D
Acq: 25 Nov 2020 13:04

Tgt Ion: 96 Resp: 46179
Ion Ratio Lower Upper
96 100
61 151.1 106.4 197.6
98 64.7 44.4 82.4



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: 9.578 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010106

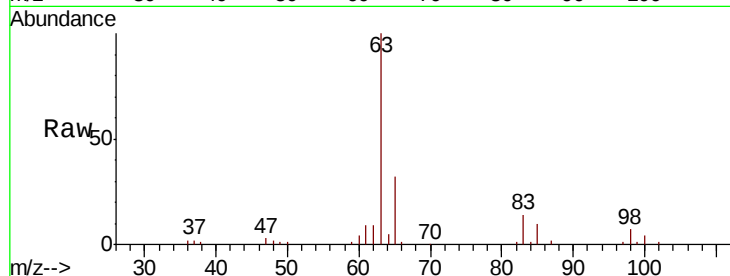
Tot Ion: 63 Resp: 95920

Ion Ratio Lower Upper

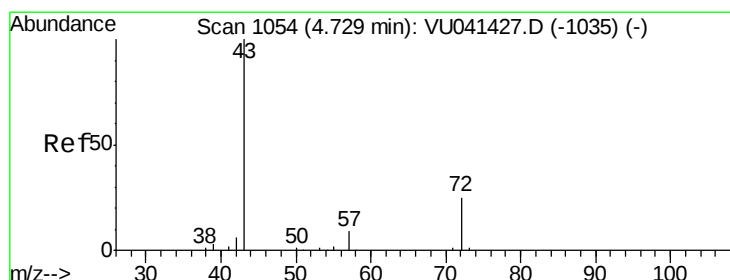
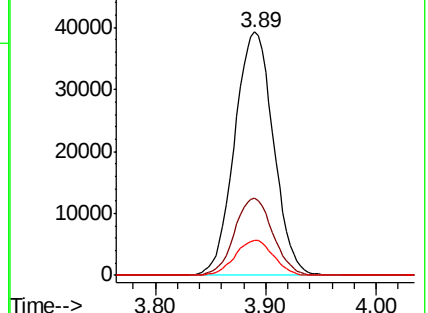
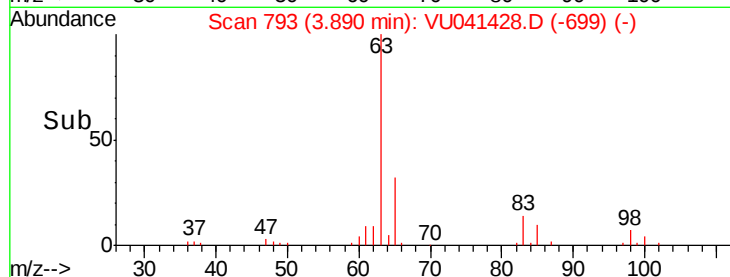
63 100

65 31.6 22.3 41.3

83 14.5 9.9 18.3



Abundance Ion 63.10 (62.80 to 63.80): VU041428.D (-699) (-)



#21

2-Butanone

Concen: 84.973 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VU041428.D

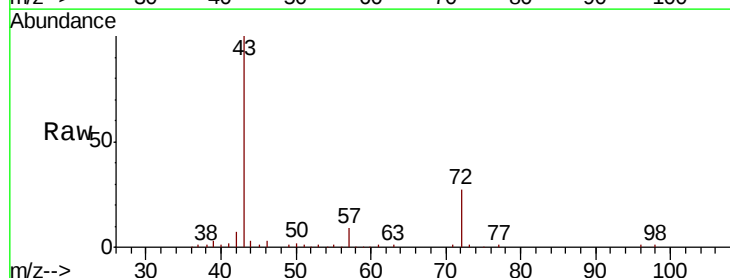
Acq: 25 Nov 2020 13:04

Tgt Ion: 43 Resp: 164861

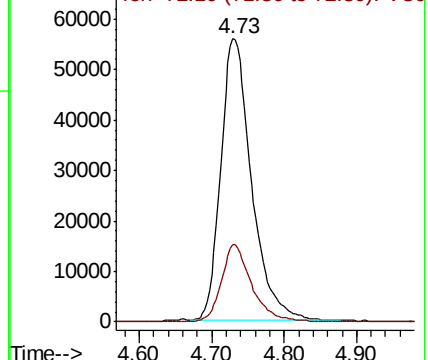
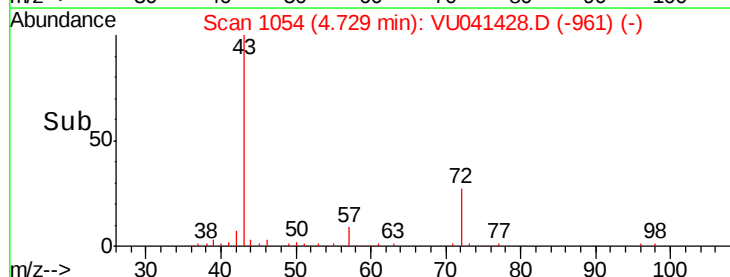
Ion Ratio Lower Upper

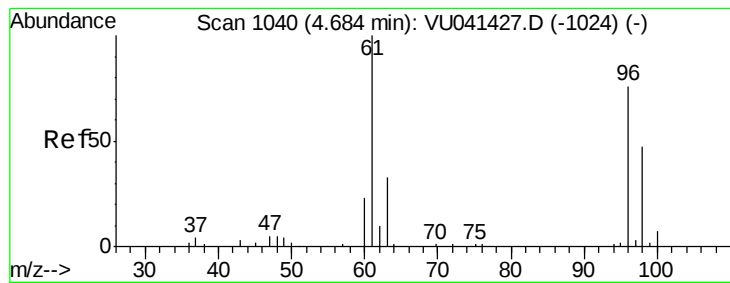
43 100

72 27.1 13.4 40.1



Abundance Ion 43.05 (42.75 to 43.75): VU041428.D (-961) (-)





#22

cis-1,2-Dichloroethene

Concen: 10.261 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010106

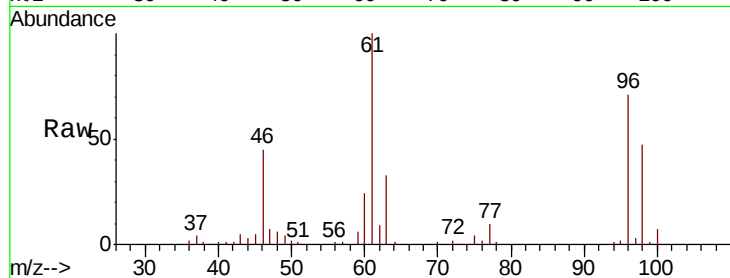
Tot Ion: 96 Resp: 53792

Ion Ratio Lower Upper

96 100

61 140.1 92.3 171.3

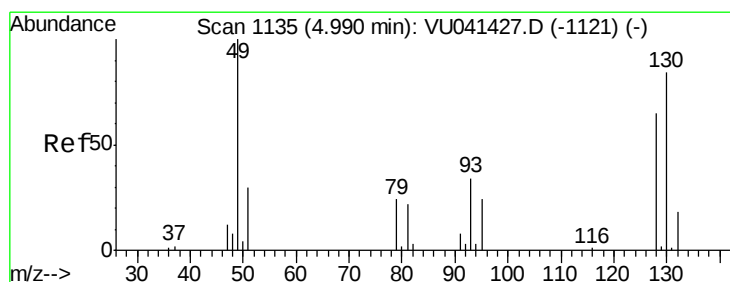
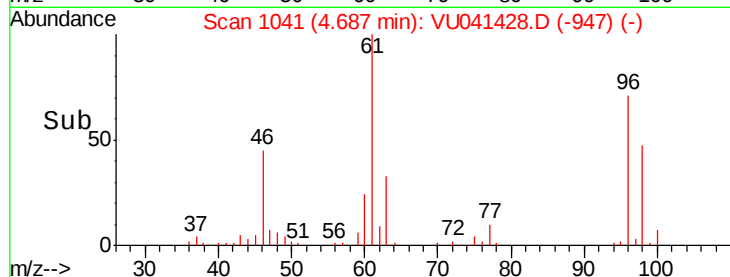
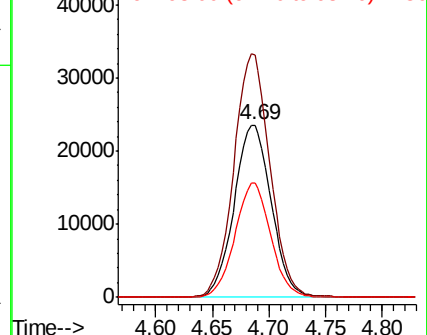
98 66.6 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 10.244 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

Tgt Ion: 128 Resp: 25396

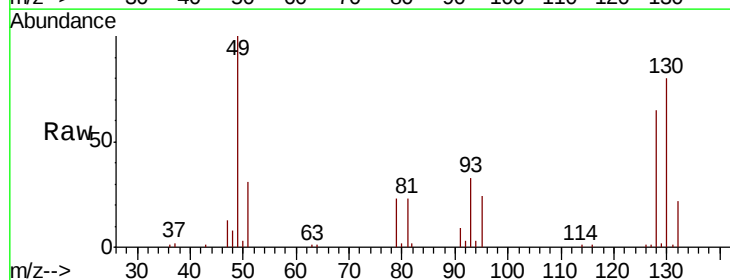
Ion Ratio Lower Upper

128 100

49 154.5 108.4 201.4

130 123.7 91.2 169.4

51 47.8 37.8 56.6

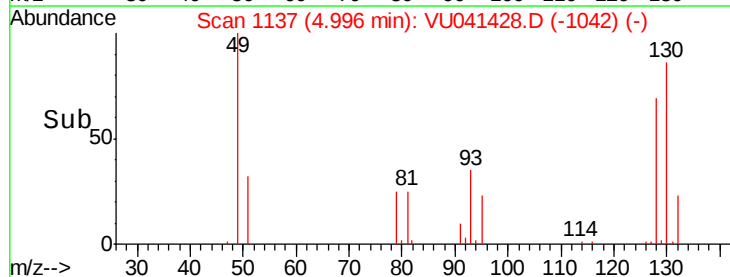
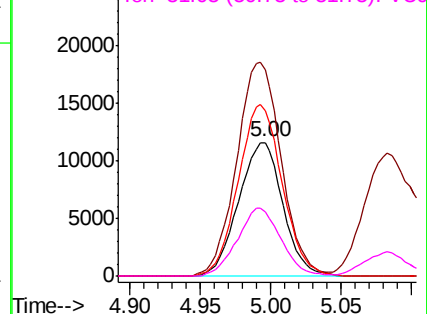


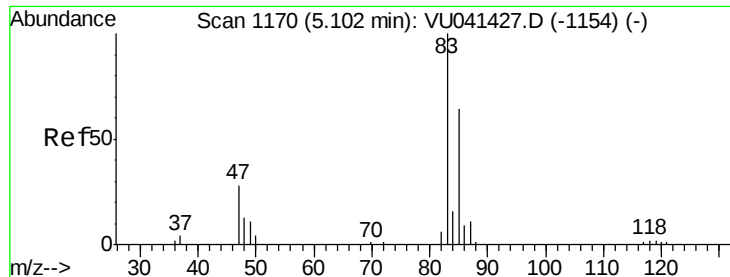
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

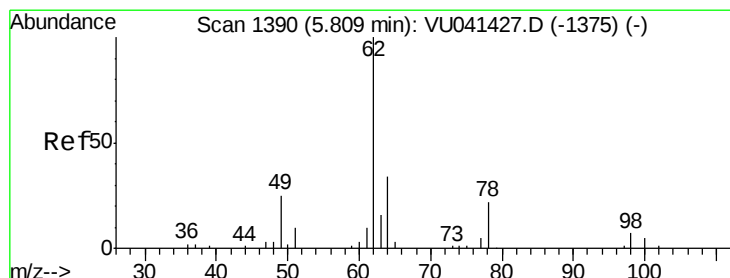
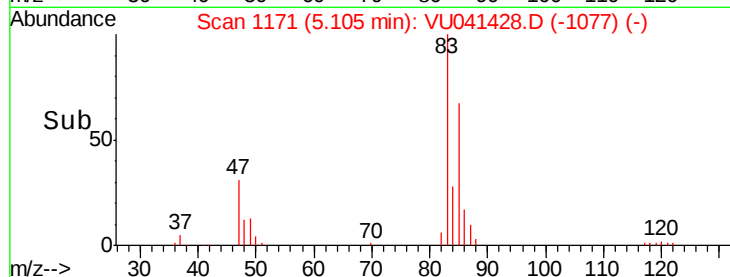
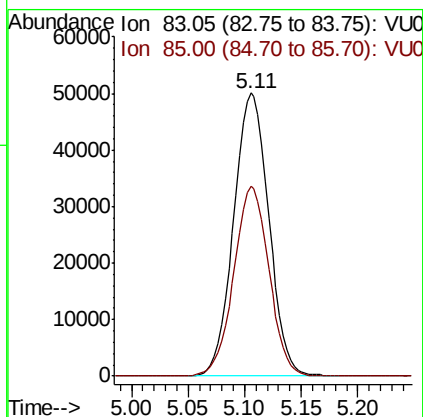
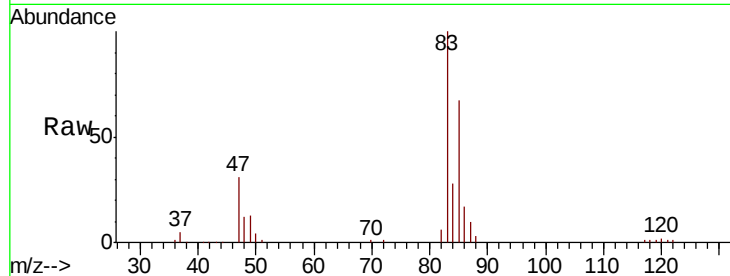




#25
Chloroform
Concen: 10.406 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041428.D
Acq: 25 Nov 2020 13:04

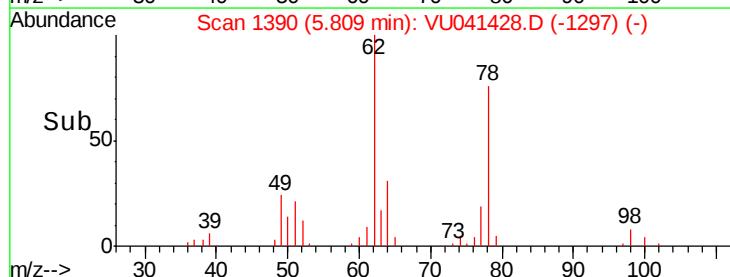
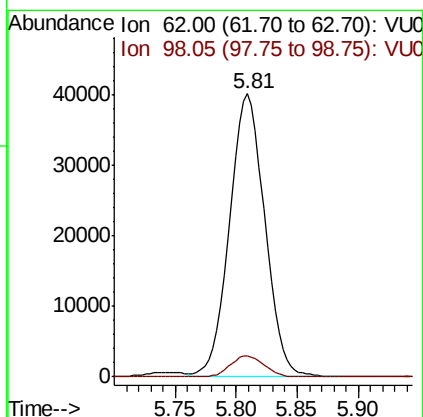
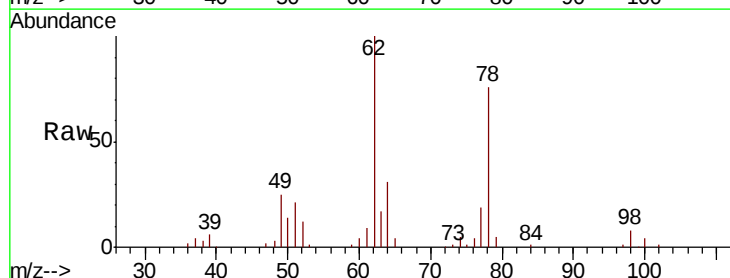
Instrument :
MSVOA_U
ClientSampleId :
VSTD010106

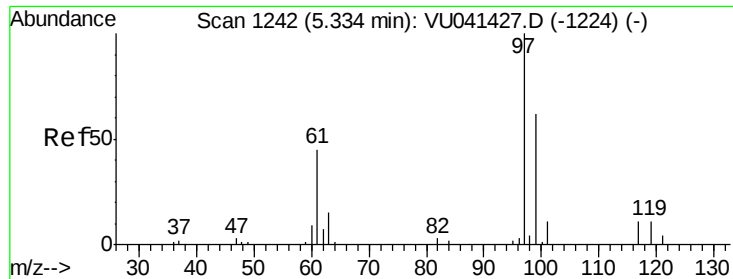
Tot Ion: 83 Resp: 108458
Ion Ratio Lower Upper
83 100
85 67.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 10.540 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU041428.D
Acq: 25 Nov 2020 13:04

Tgt Ion: 62 Resp: 80468
Ion Ratio Lower Upper
62 100
98 7.6 5.8 8.6

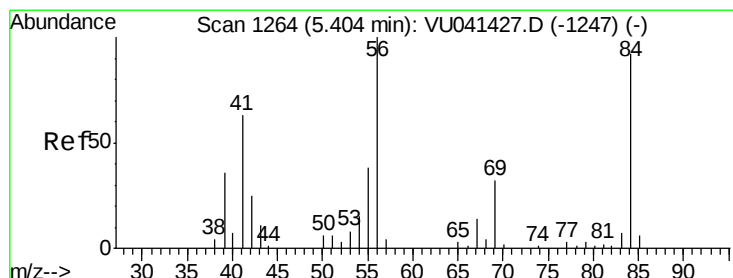
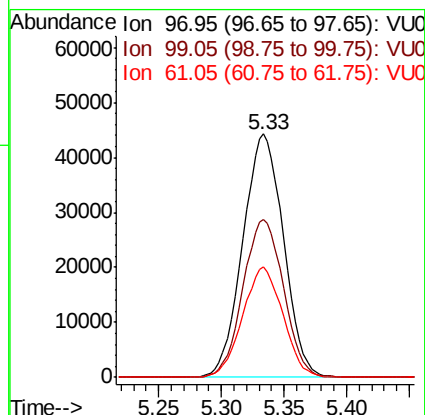
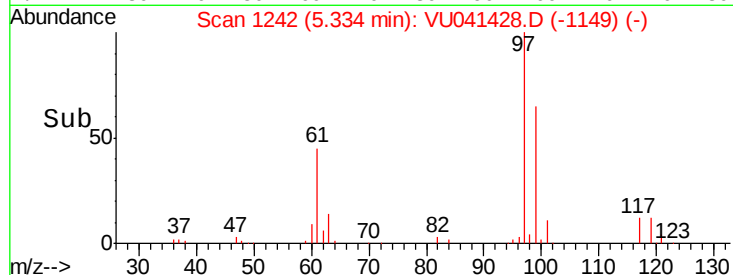
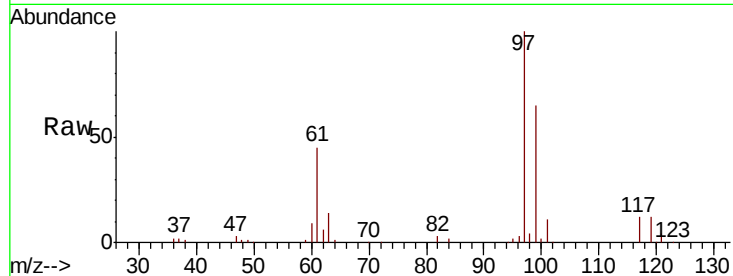




#29
 1,1,1-Trichloroethane
 Concen: 10.624 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU041428.D
 Acq: 25 Nov 2020 13:04

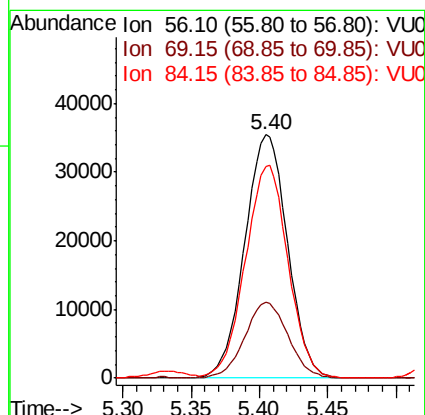
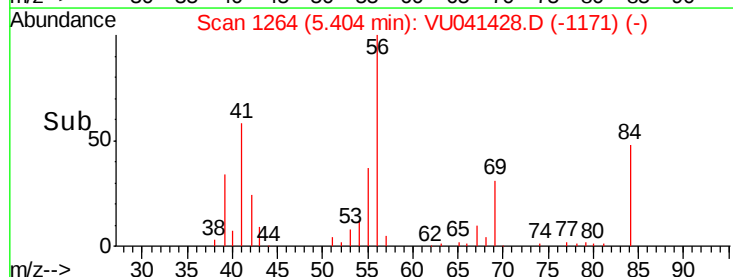
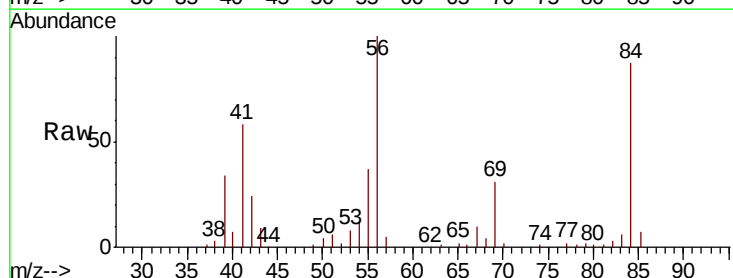
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010106

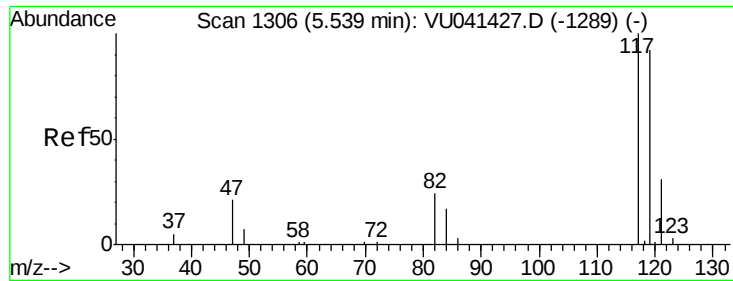
Tot Ion: 97 Resp: 99938
 Ion Ratio Lower Upper
 97 100
 99 64.8 50.7 76.1
 61 44.8 36.9 55.3



#30
 Cyclohexane
 Concen: 9.387 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041428.D
 Acq: 25 Nov 2020 13:04

Tgt Ion: 56 Resp: 77137
 Ion Ratio Lower Upper
 56 100
 69 31.5 25.2 37.8
 84 87.5 70.8 106.2





#31

Carbon tetrachloride

Concen: 11.327 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

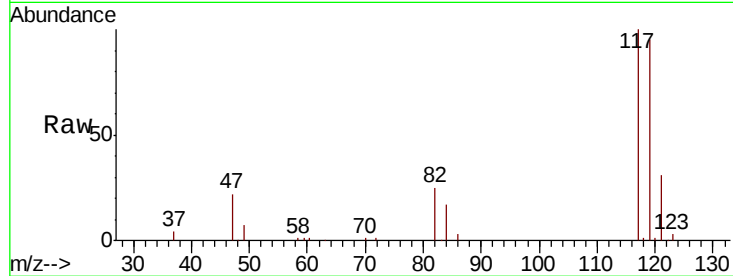
VSTD010106

Tot Ion:117 Resp: 92107

Ion Ratio Lower Upper

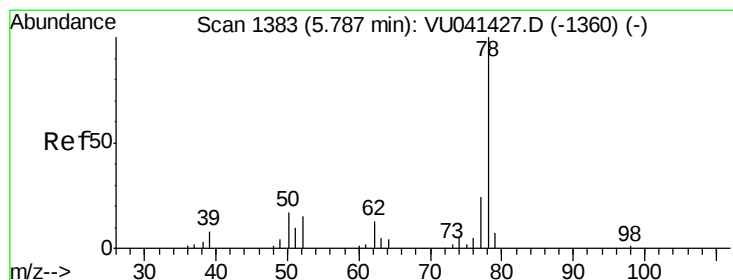
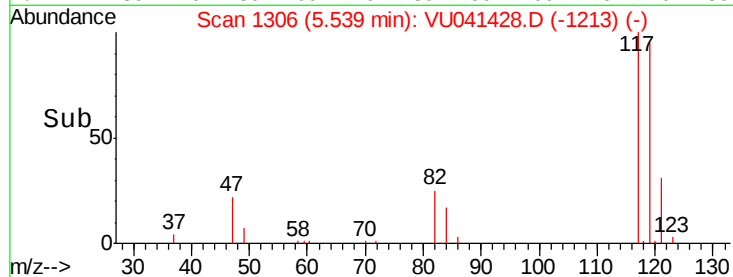
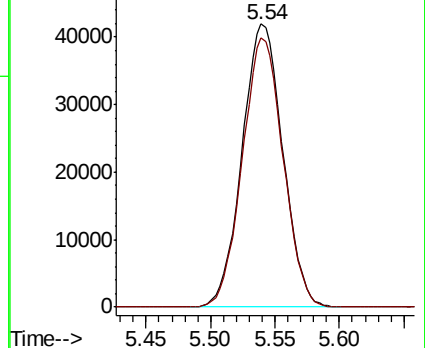
117 100

119 95.0 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.734 ug/L

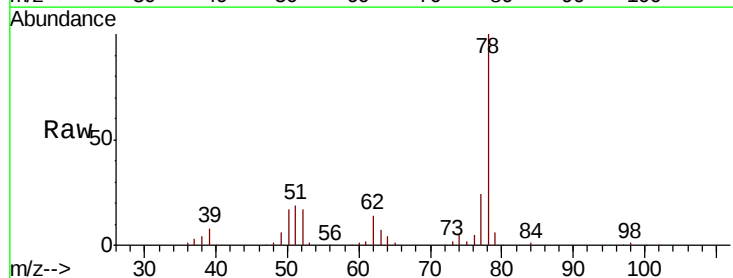
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

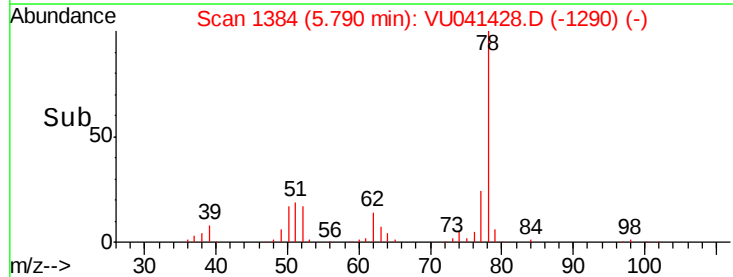
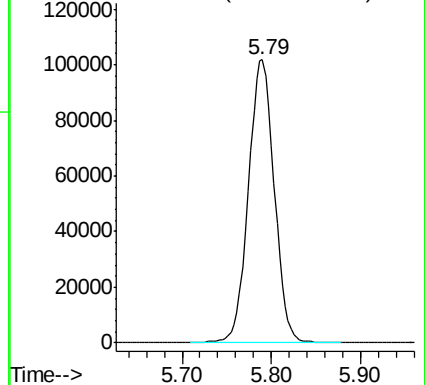
Lab File: VU041428.D

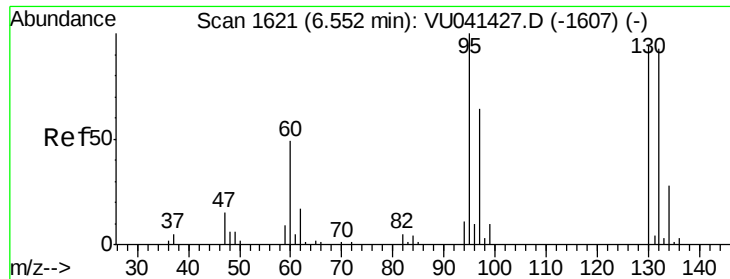
Acq: 25 Nov 2020 13:04

Tgt Ion: 78 Resp: 204706



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 9.459 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010106

Tot Ion: 95 Resp: 53965

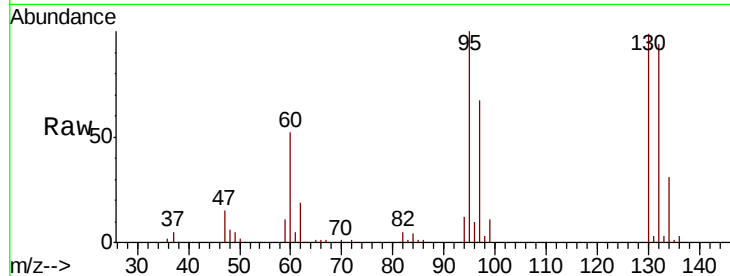
Ion Ratio Lower Upper

95 100

97 66.6 44.8 83.2

132 94.3 64.8 120.4

130 98.6 65.8 122.2

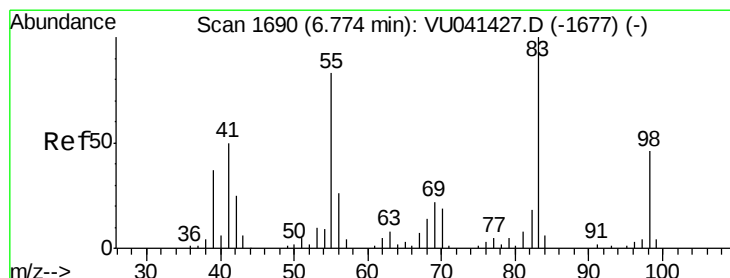
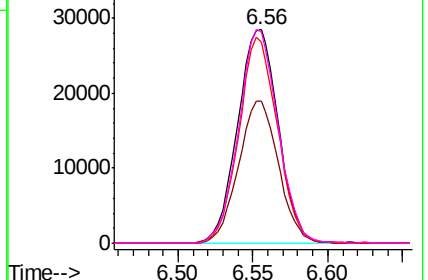
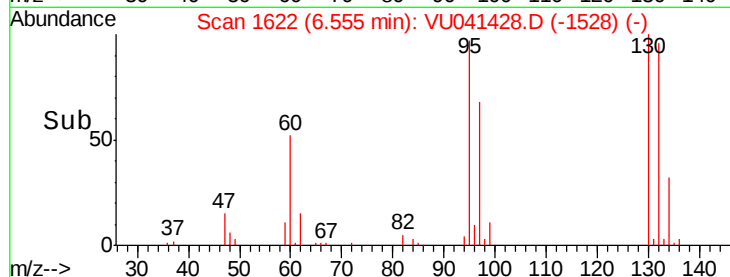


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 10.451 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

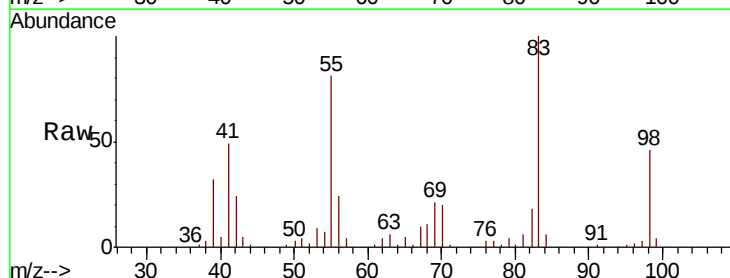
Tgt Ion: 83 Resp: 83116

Ion Ratio Lower Upper

83 100

55 80.3 66.5 99.7

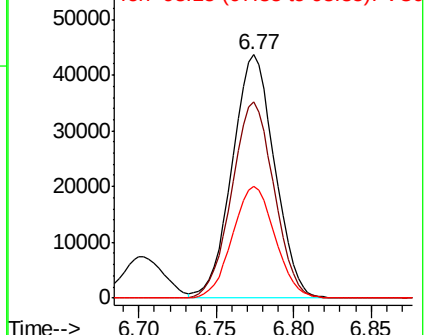
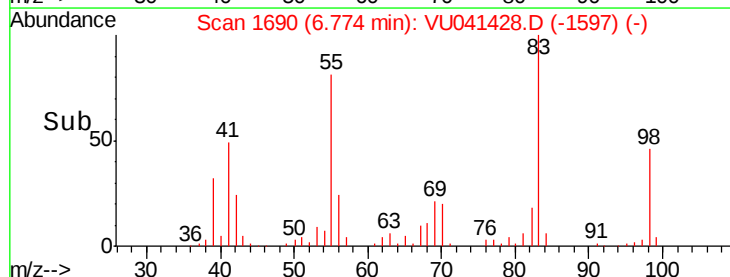
98 46.1 36.8 55.2

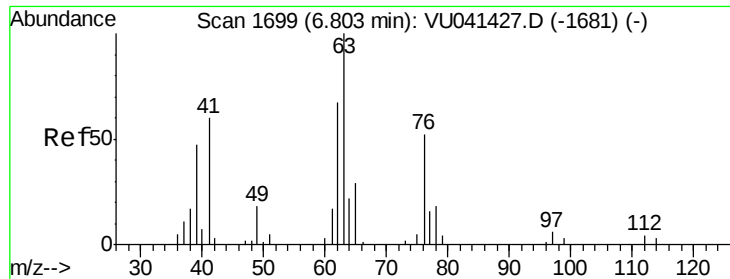


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

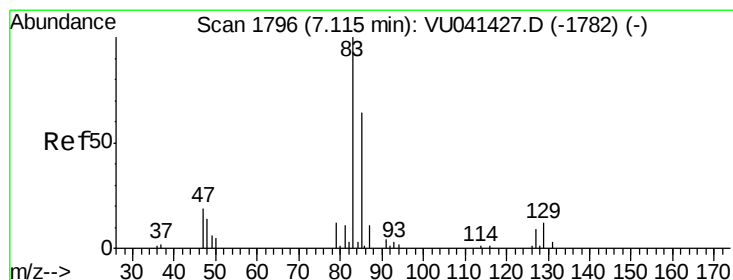
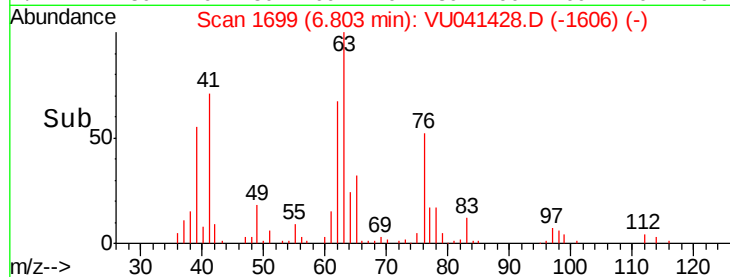
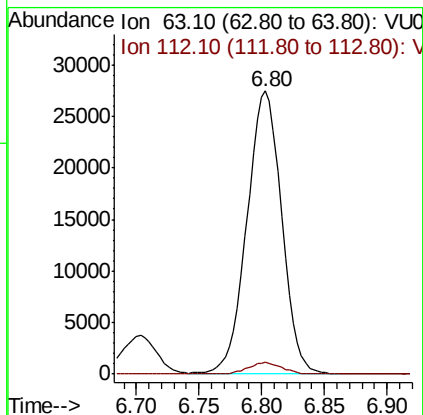
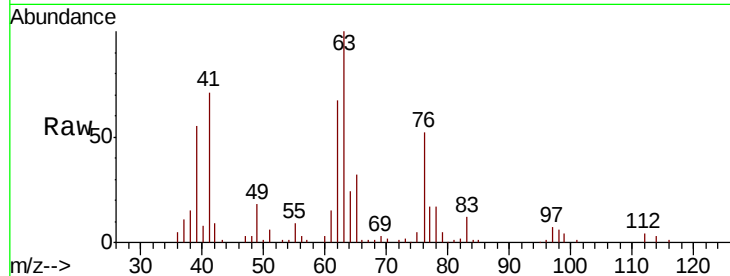




#37
 1,2-Dichloropropane
 Concen: 9.009 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU041428.D
 Acq: 25 Nov 2020 13:04

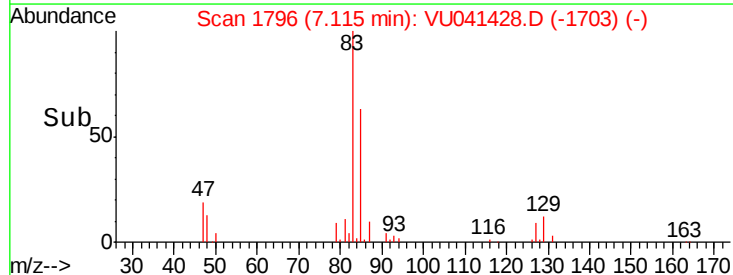
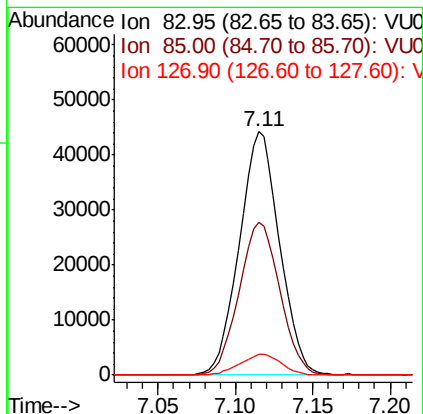
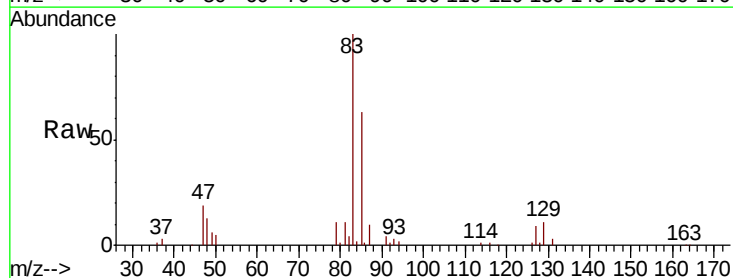
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010106

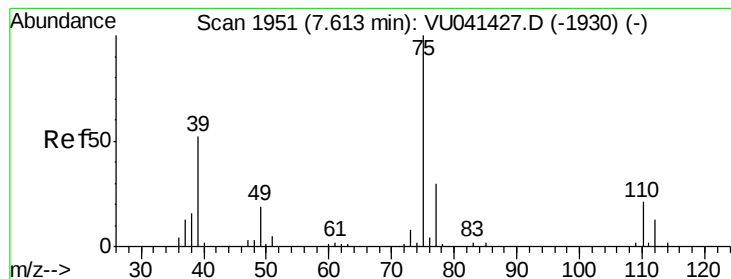
Tot Ion: 63 Resp: 53025
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.3 4.9



#38
 Bromodichloromethane
 Concen: 10.410 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041428.D
 Acq: 25 Nov 2020 13:04

Tgt Ion: 83 Resp: 80014
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.7 83.1
 127 8.5 7.2 10.8



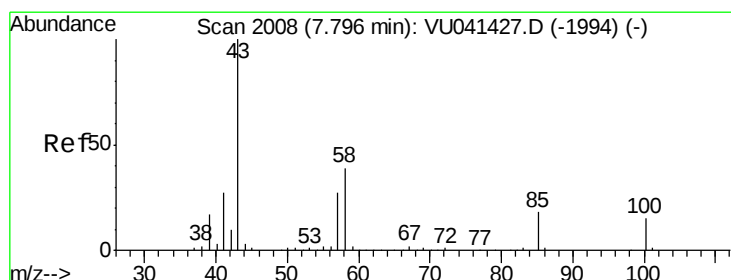
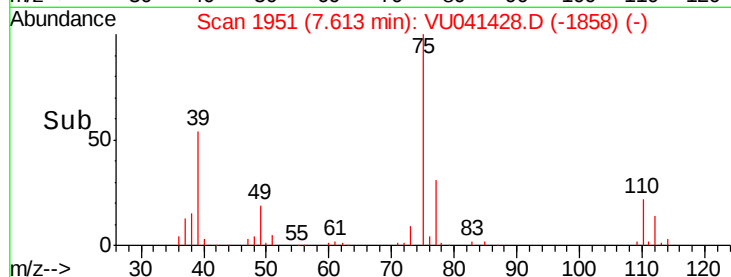
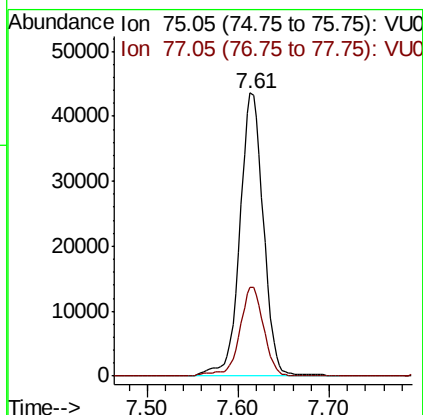
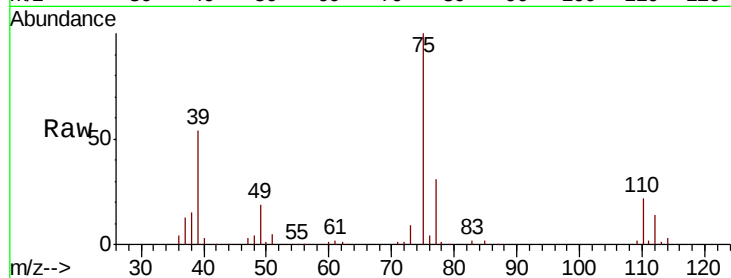


#39

cis-1,3-Dichloropropene
 Concen: 9.684 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041428.D
 Acq: 25 Nov 2020 13:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010106

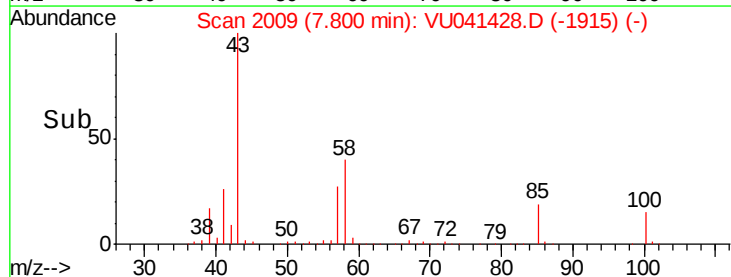
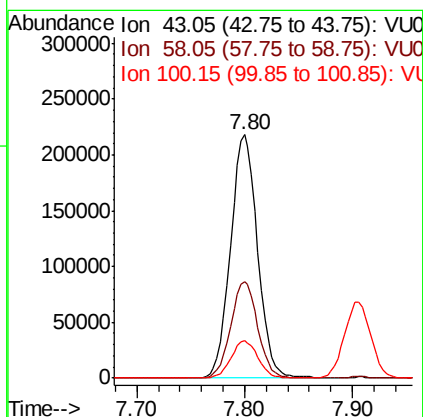
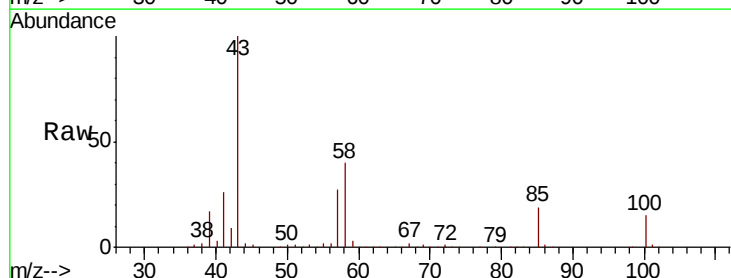
Tot Ion: 75 Resp: 78419
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.0 39.0

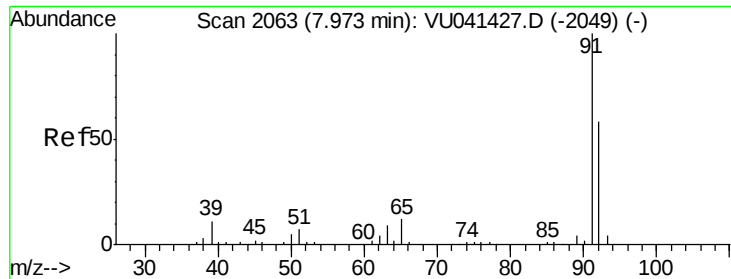


#40

4-Methyl-2-pentanone
 Concen: 87.001 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041428.D
 Acq: 25 Nov 2020 13:04

Tgt Ion: 43 Resp: 380699
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.0 46.6
 100 15.3 12.0 18.0





#42

Toluene

Concen: 10.455 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

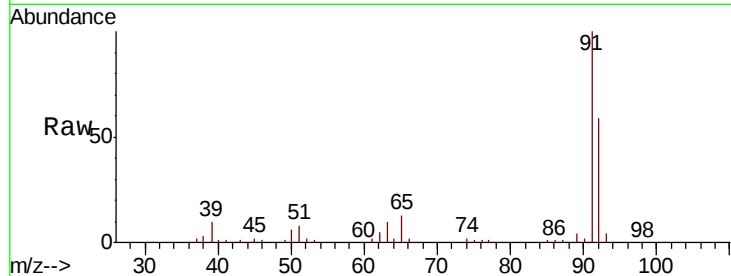
VSTD010106

Tot Ion: 91 Resp: 226449

Ion Ratio Lower Upper

91 100

92 58.7 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

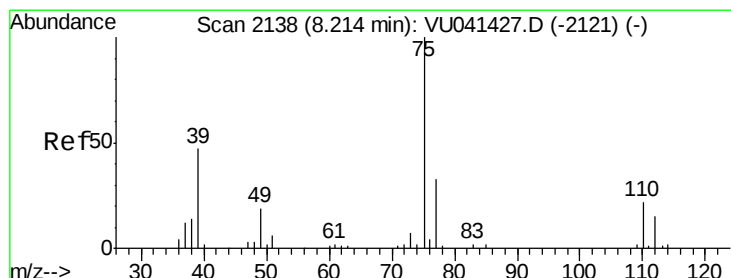
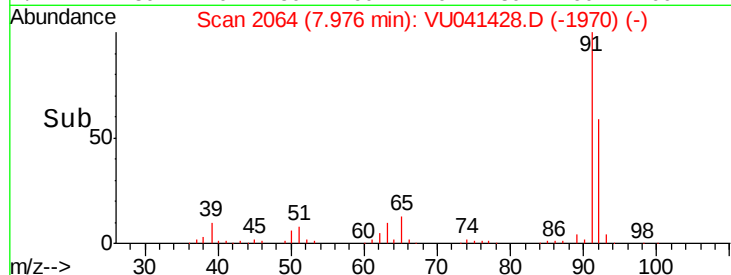
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.675 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041428.D

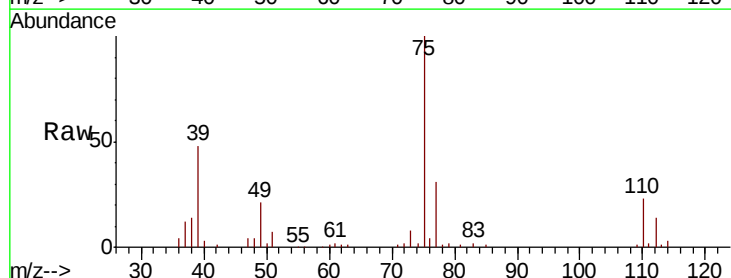
Acq: 25 Nov 2020 13:04

Tgt Ion: 75 Resp: 81075

Ion Ratio Lower Upper

75 100

77 31.3 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

50000

40000

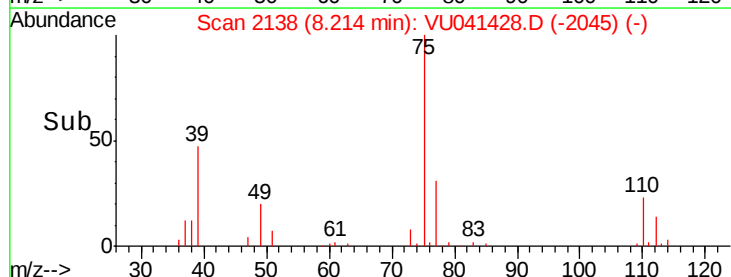
30000

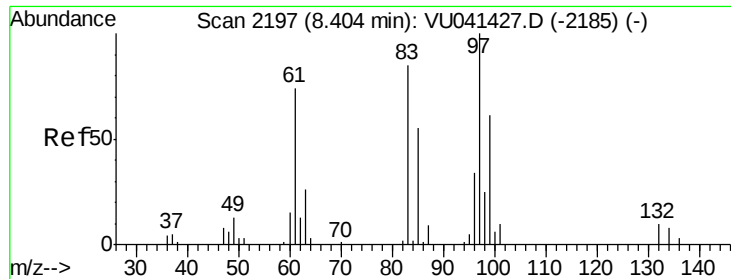
20000

10000

0

Time-->

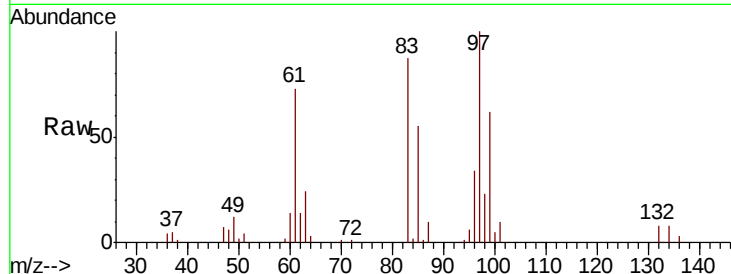




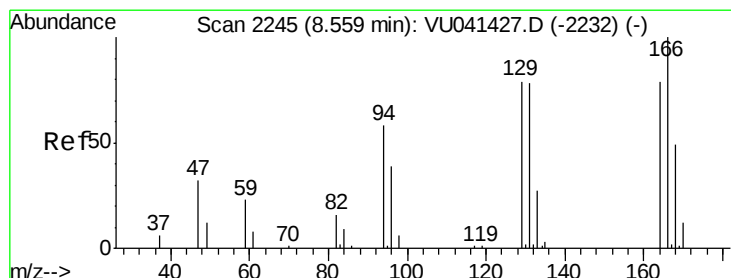
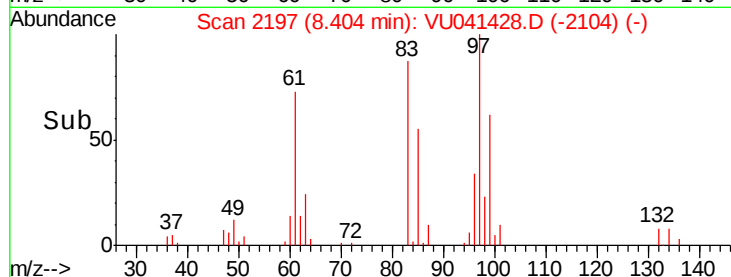
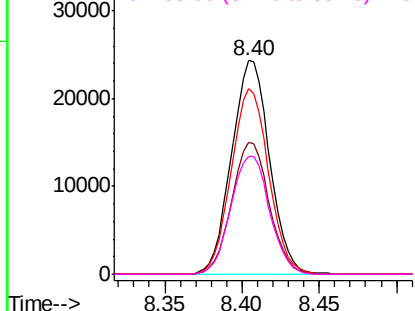
#45
 1,1,2-Trichloroethane
 Concen: 9.768 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041428.D
 Acq: 25 Nov 2020 13:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010106

Tot Ion:	97	Resp:	41559
Ion	Ratio	Lower	Upper
97	100		
99	61.7	42.5	78.9
83	86.9	59.8	111.1
85	55.4	38.1	70.9

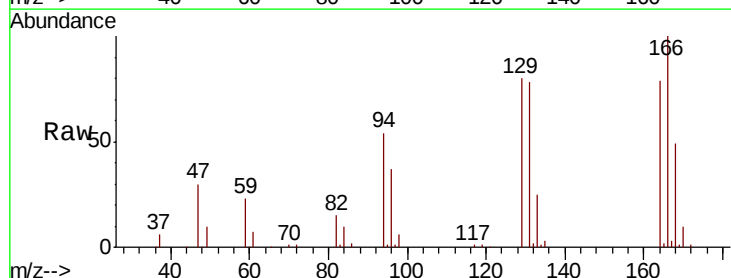


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

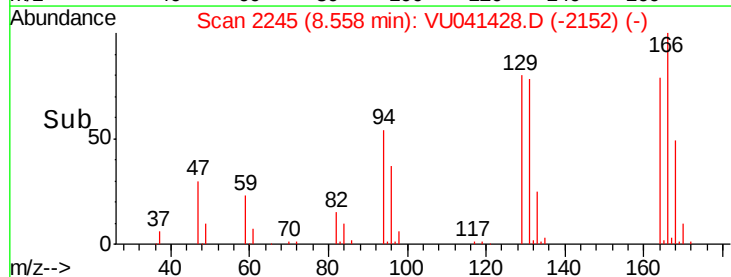
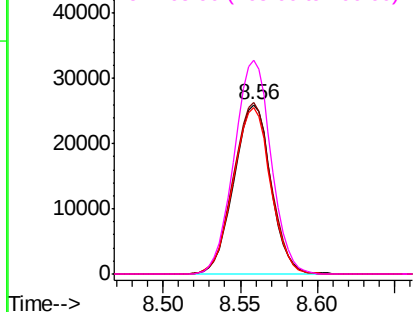


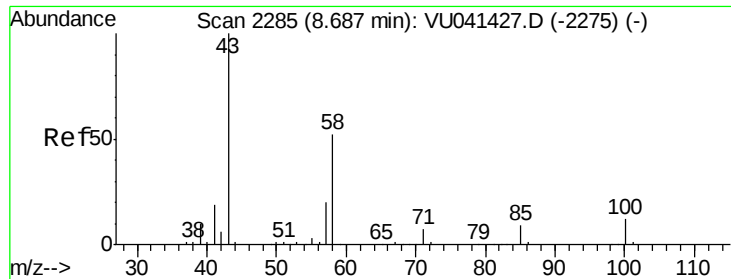
#47
 Tetrachloroethene
 Concen: 10.747 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU041428.D
 Acq: 25 Nov 2020 13:04

Tgt Ion:	164	Resp:	42989
Ion	Ratio	Lower	Upper
164	100		
129	101.4	70.0	130.0
131	98.0	68.6	127.4
166	125.9	88.3	164.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

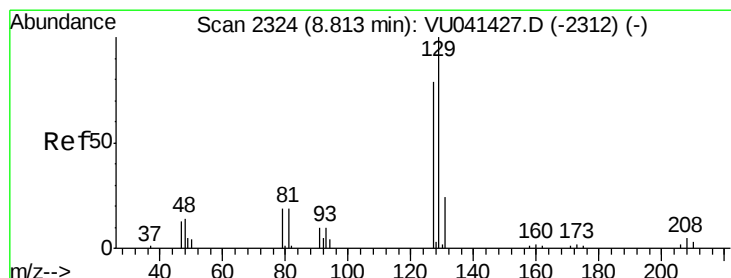
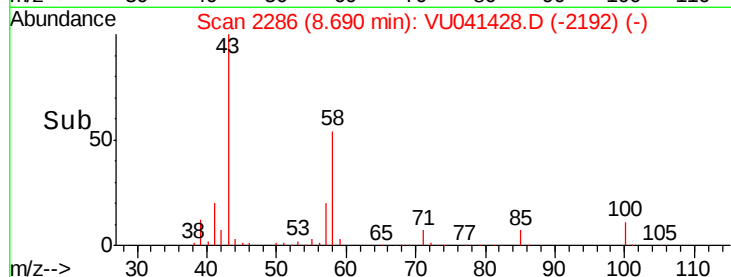
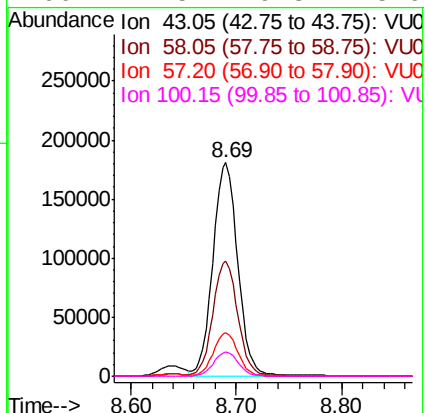
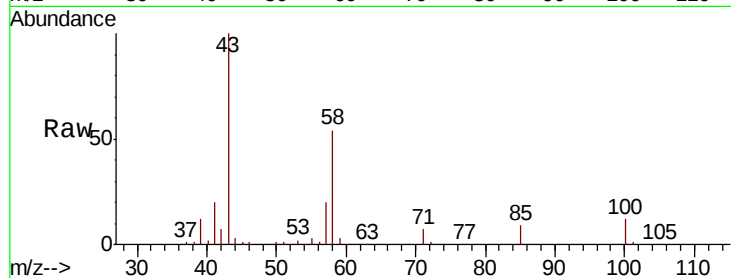




#48
2-Hexanone
Concen: 90.088 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041428.D
Acq: 25 Nov 2020 13:04

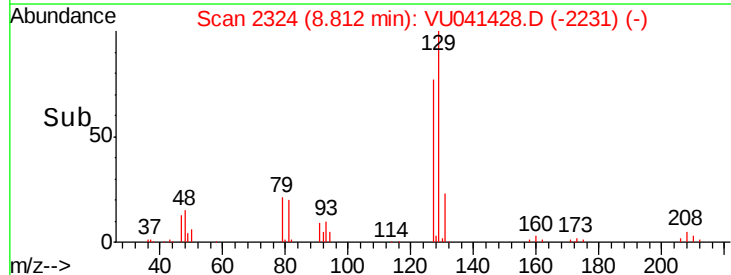
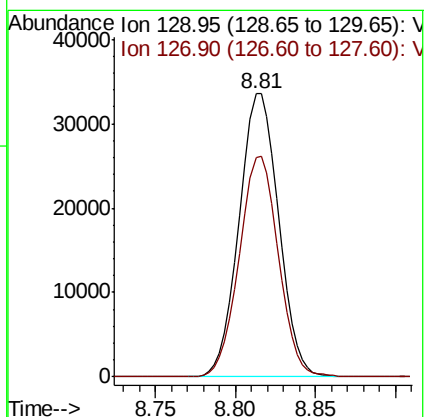
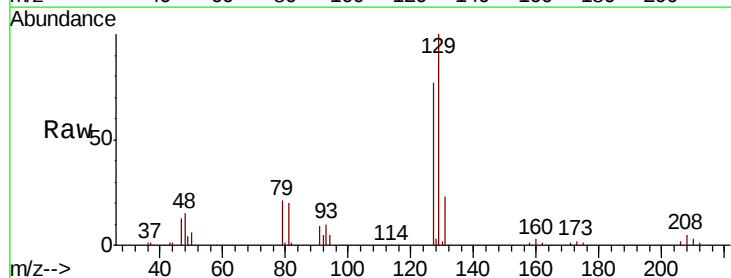
Instrument :
MSVOA_U
ClientSampleId :
VSTD010106

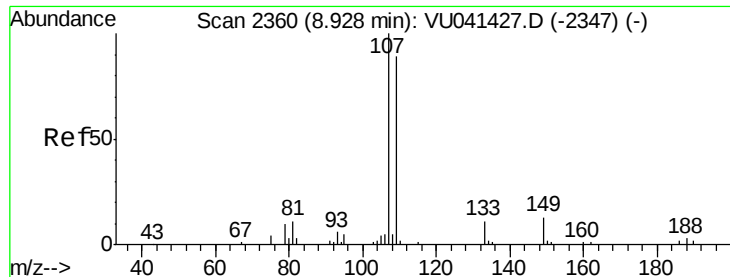
Tot Ion: 43 Resp: 295722
Ion Ratio Lower Upper
43 100
58 54.1 42.0 63.0
57 20.4 16.0 24.0
100 11.5 9.3 13.9



#49
Dibromochloromethane
Concen: 11.046 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041428.D
Acq: 25 Nov 2020 13:04

Tgt Ion: 129 Resp: 56658
Ion Ratio Lower Upper
129 100
127 77.5 55.5 103.1

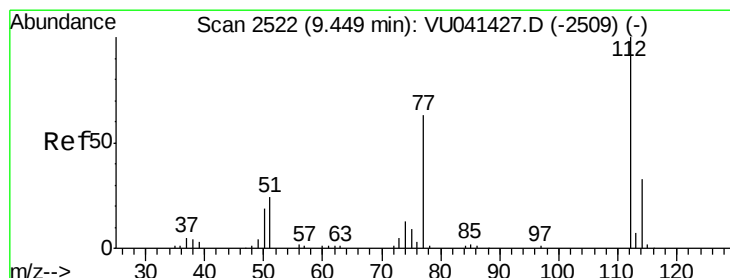
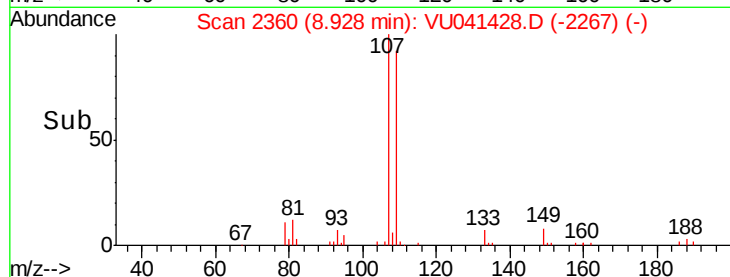
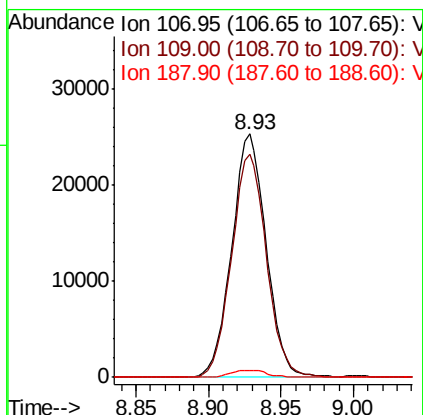
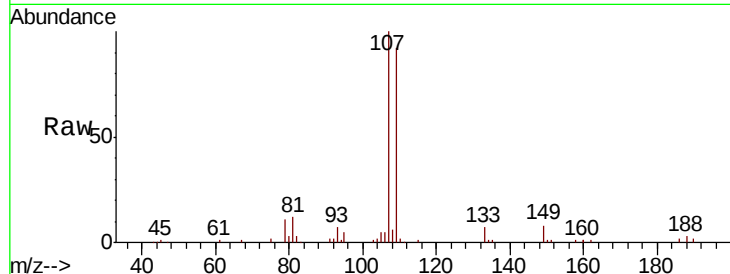




#50
1,2-Dibromoethane
Concen: 10.258 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041428.D
Acq: 25 Nov 2020 13:04

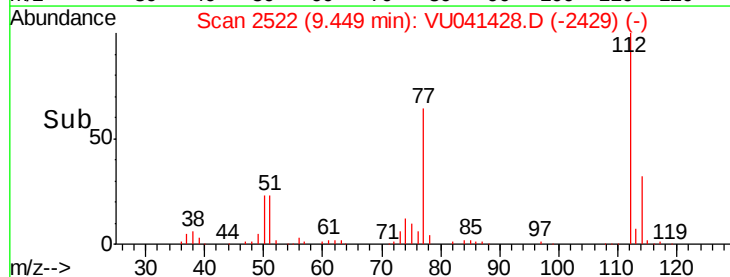
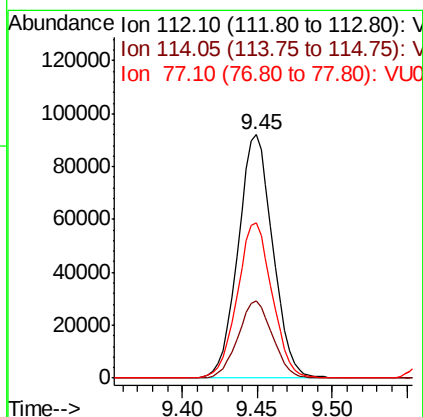
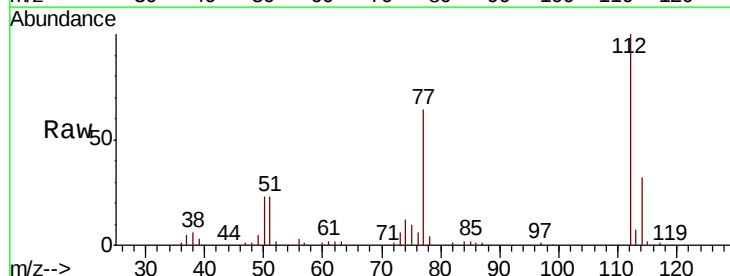
Instrument :
MSVOA_U
ClientSampleId :
VSTD010106

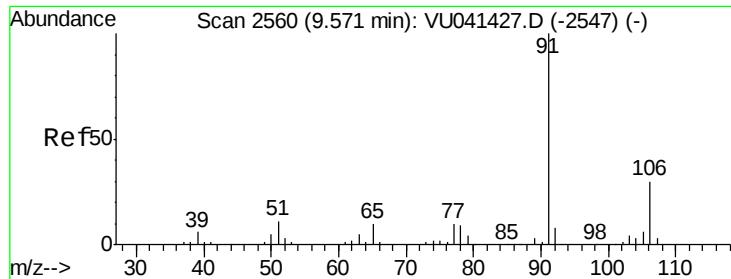
Tot Ion:107 Resp: 41682
Ion Ratio Lower Upper
107 100
109 91.9 62.6 116.3
188 2.9 2.6 4.0



#51
Chlorobenzene
Concen: 10.731 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041428.D
Acq: 25 Nov 2020 13:04

Tgt Ion:112 Resp: 148319
Ion Ratio Lower Upper
112 100
114 31.6 23.4 43.6
77 63.7 51.2 76.8





#52

Ethylbenzene

Concen: 11.761 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

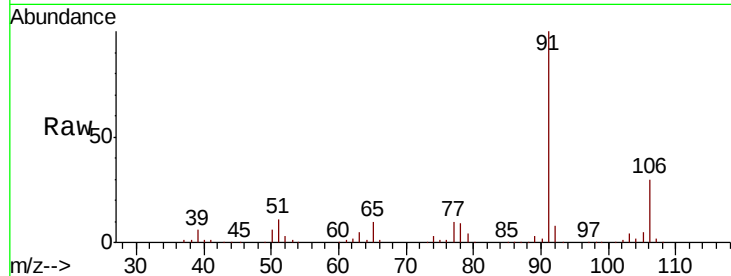
VSTD010106

Tot Ion: 91 Resp: 264422

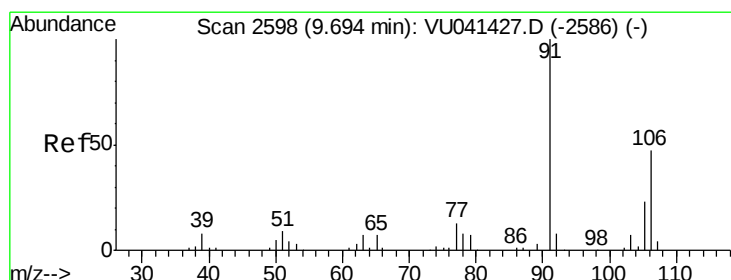
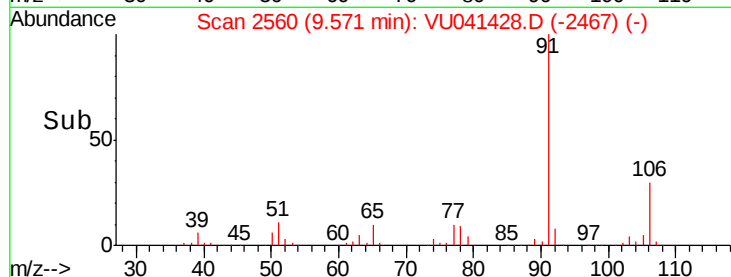
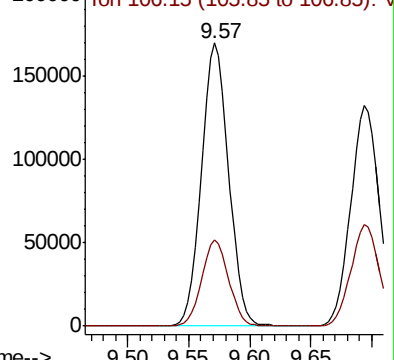
Ion Ratio Lower Upper

91 100

106 30.4 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041428.D (-2547) (-)



#53

m,p-Xylene

Concen: 12.052 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041428.D

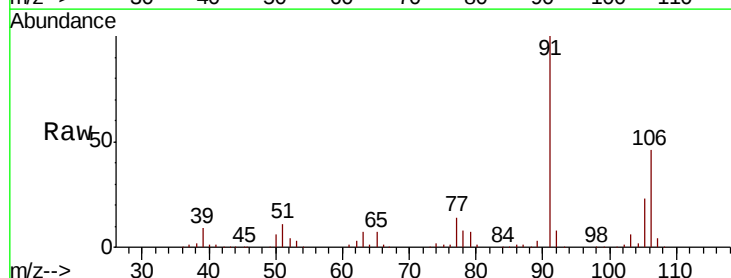
Acq: 25 Nov 2020 13:04

Tgt Ion: 106 Resp: 98707

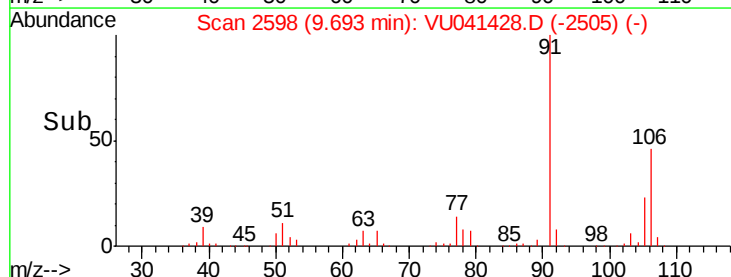
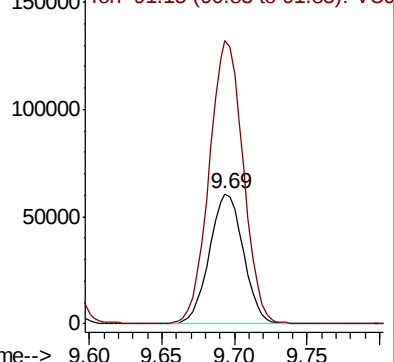
Ion Ratio Lower Upper

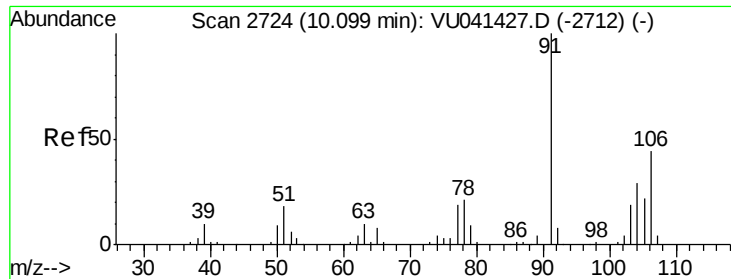
106 100

91 217.7 148.8 276.4



Abundance Ion 106.15 (105.85 to 106.85): VU041428.D (-2598) (-)

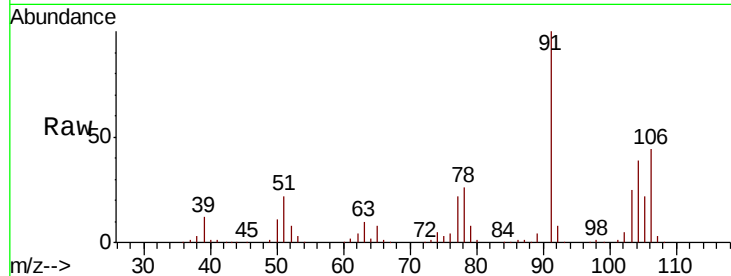




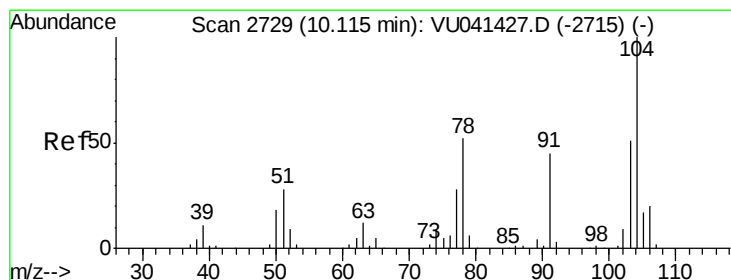
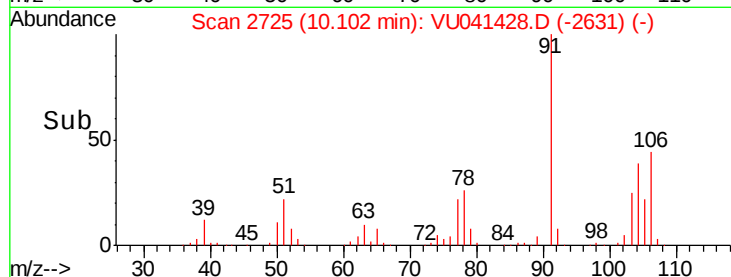
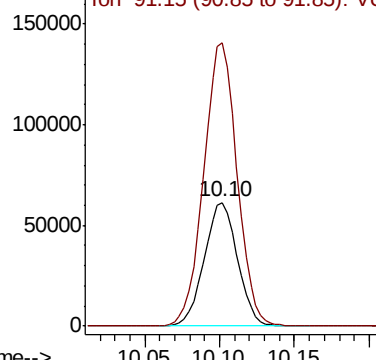
#54
o-Xylene
Concen: 12.082 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041428.D
Acq: 25 Nov 2020 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD010106

Tot Ion:106 Resp: 94972
Ion Ratio Lower Upper
106 100
91 229.4 159.3 295.9

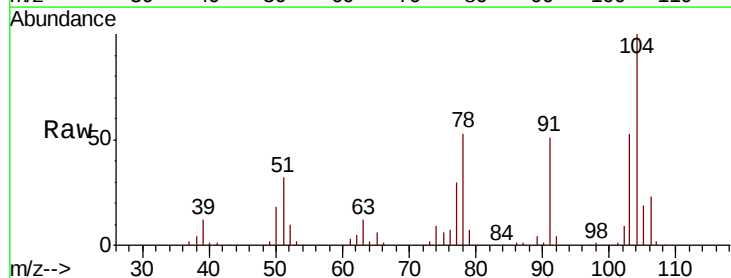


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

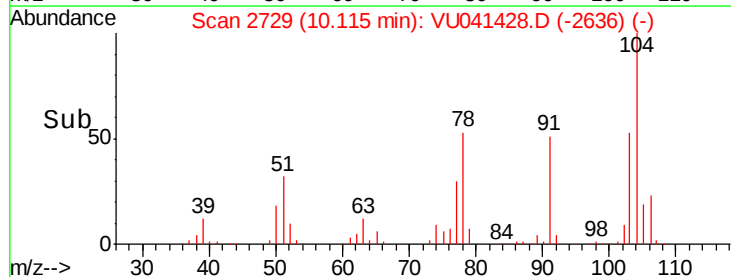
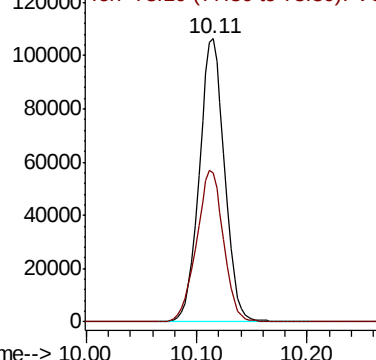


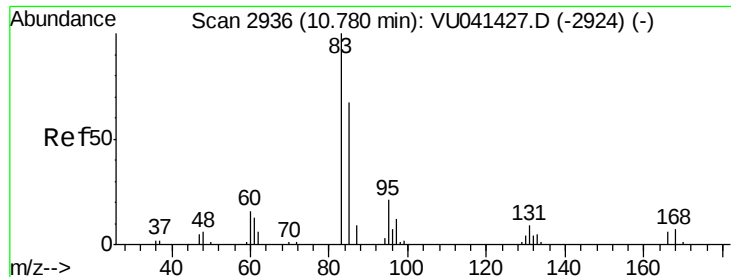
#55
Styrene
Concen: 12.390 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041428.D
Acq: 25 Nov 2020 13:04

Tgt Ion:104 Resp: 168779
Ion Ratio Lower Upper
104 100
78 52.7 36.4 67.6



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

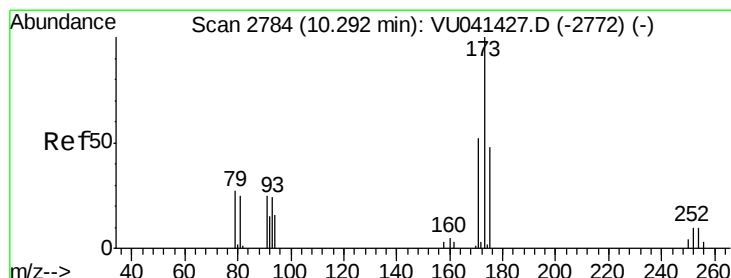
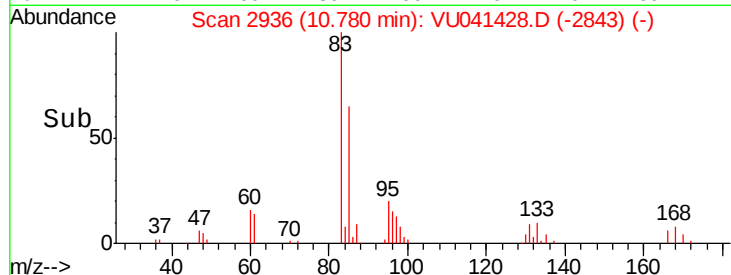
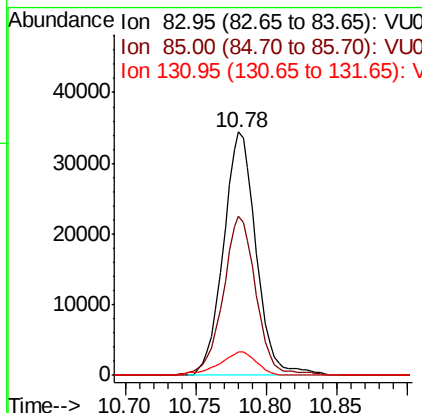
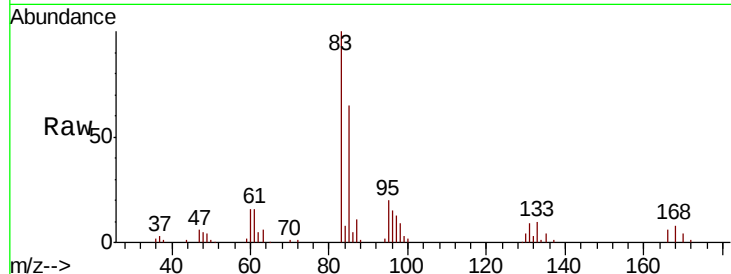




#57
 1,1,2,2-Tetrachloroethane
 Concen: 10.077 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU041428.D
 Acq: 25 Nov 2020 13:04

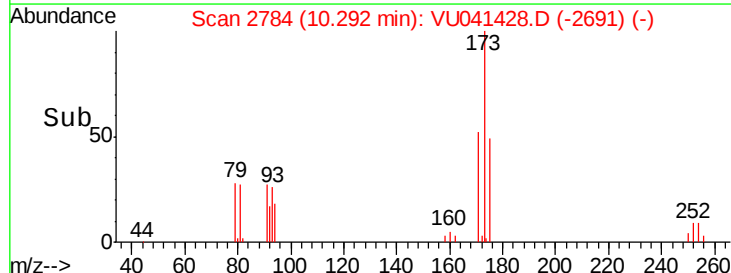
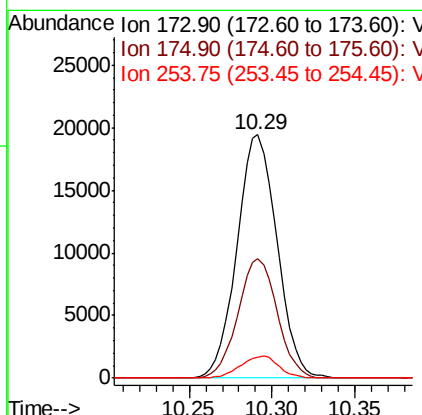
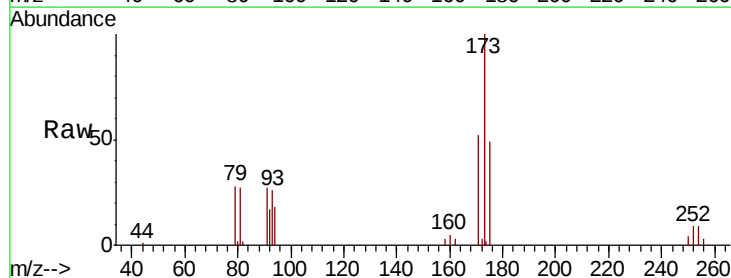
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010106

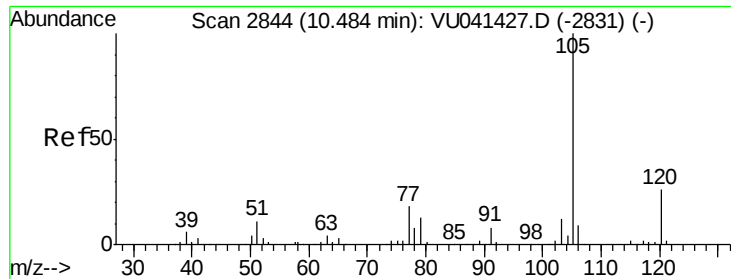
Tot Ion	83	Resp	55492
Ion Ratio	Lower	Upper	
83	100		
85	65.3	47.2	87.6
131	9.4	8.3	12.5



#59
 Bromoform
 Concen: 10.391 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU041428.D
 Acq: 25 Nov 2020 13:04

Tgt Ion	173	Resp	32609
Ion Ratio	Lower	Upper	
173	100		
175	47.9	39.1	58.7
254	8.6	7.2	10.8





#60

Isopropylbenzene

Concen: 11.463 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010106

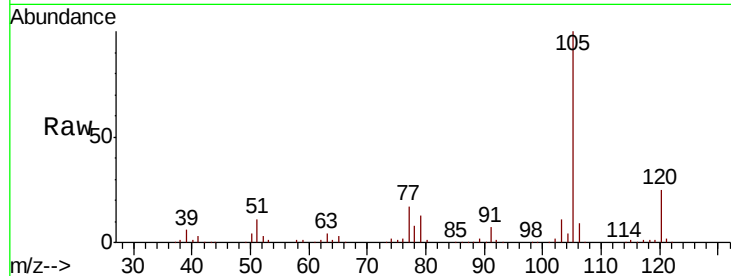
Tot Ion: 105 Resp: 266070

Ion Ratio Lower Upper

105 100

120 25.6 20.2 30.4

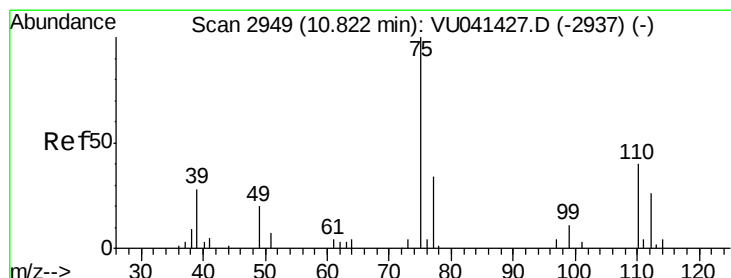
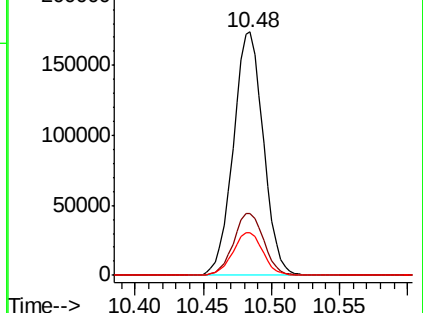
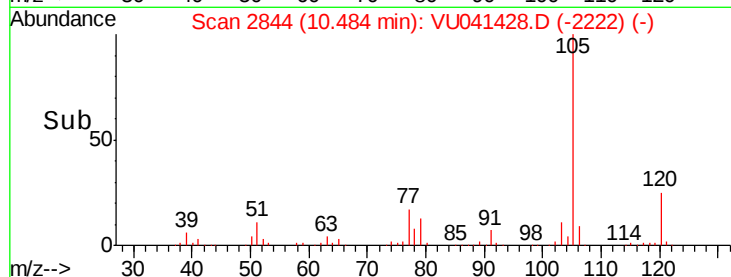
77 17.5 14.2 21.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 9.238 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

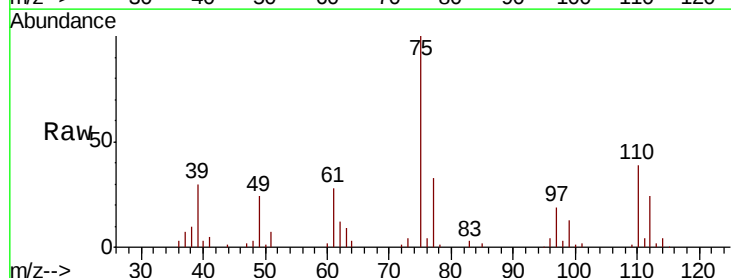
Tgt Ion: 75 Resp: 43339

Ion Ratio Lower Upper

75 100

110 37.3 31.0 46.4

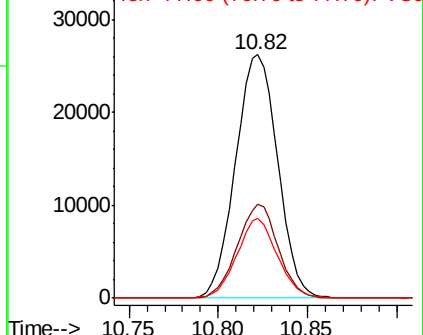
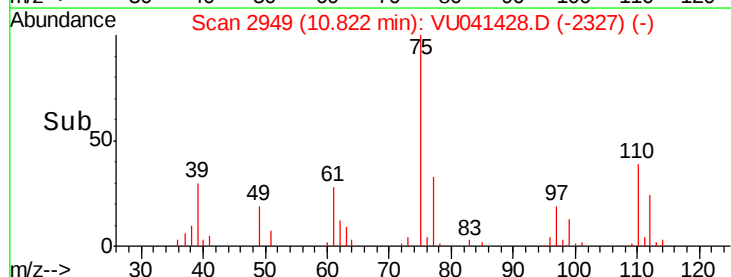
77 31.5 26.0 39.0

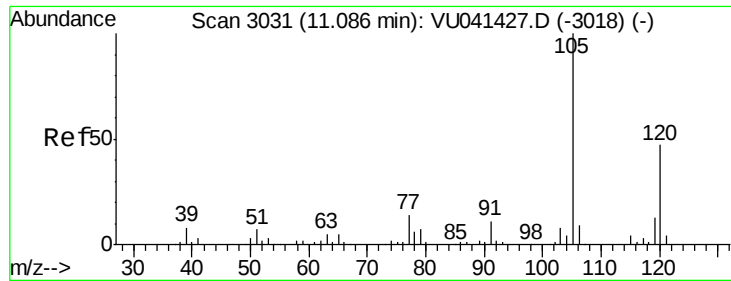


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU





#62

1,3,5-Trimethylbenzene

Concen: 12.097 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

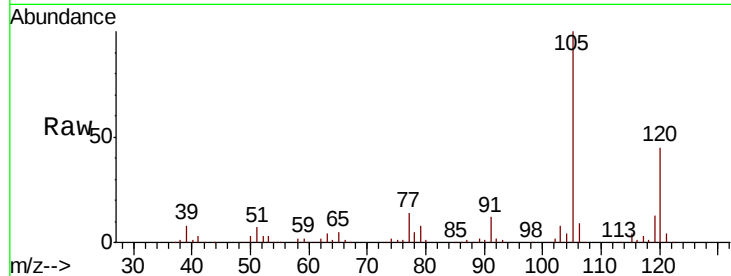
VSTD010106

Tot Ion:105 Resp: 231884

Ion Ratio Lower Upper

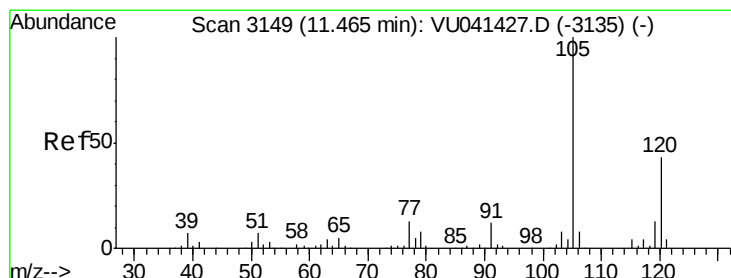
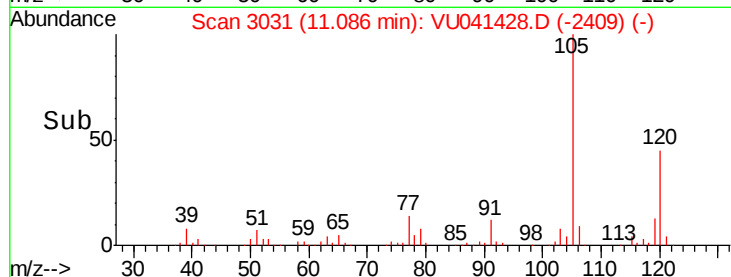
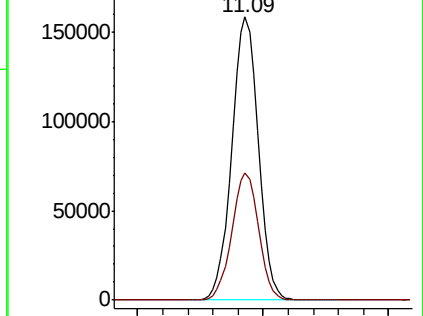
105 100

120 45.4 37.1 55.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 12.406 ug/L

RT: 11.47 min Scan# 3149

Delta R.T. -0.00 min

Lab File: VU041428.D

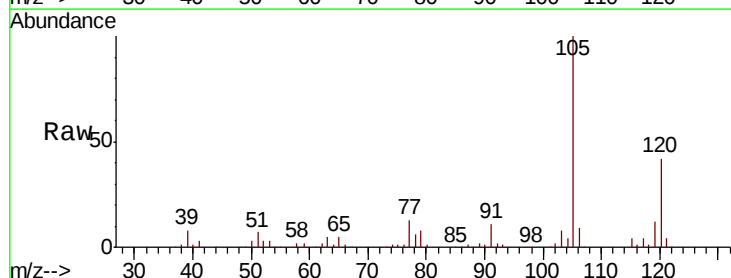
Acq: 25 Nov 2020 13:04

Tgt Ion:105 Resp: 240100

Ion Ratio Lower Upper

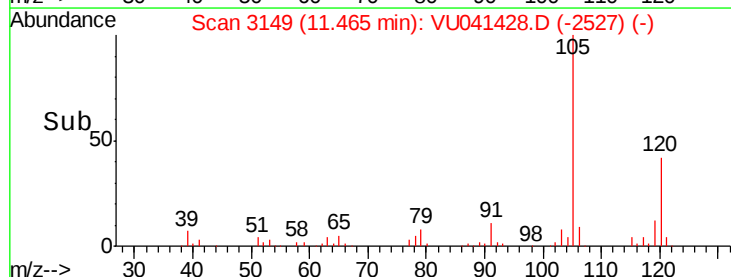
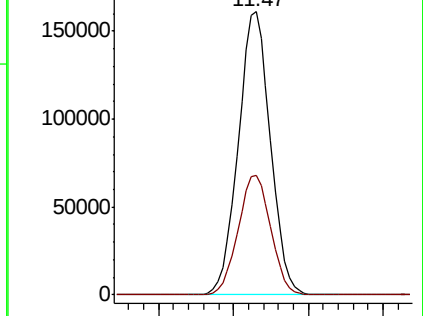
105 100

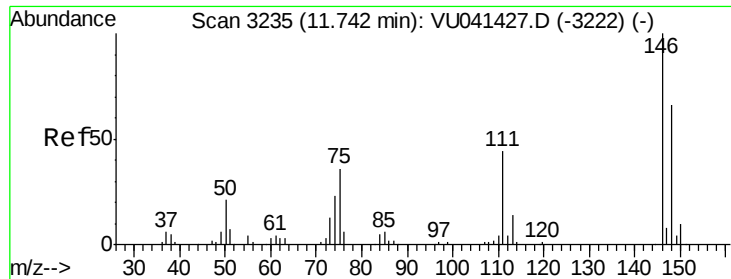
120 43.0 34.6 51.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

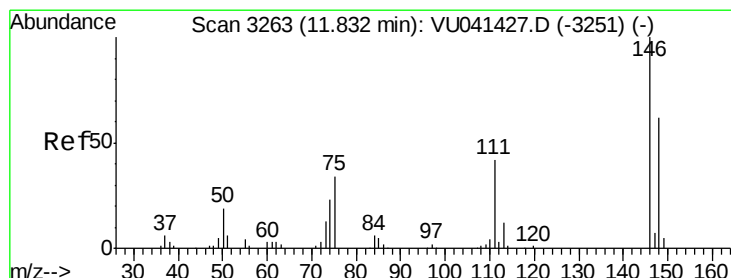
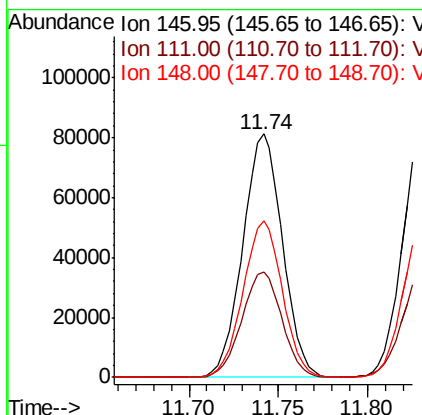
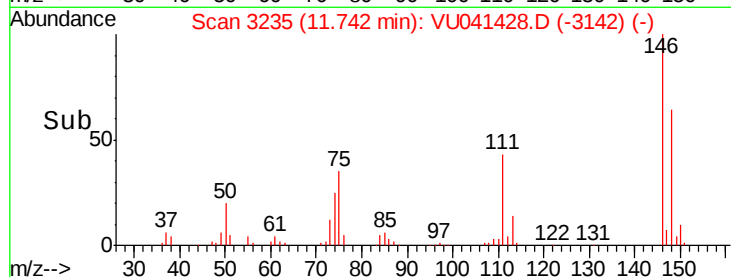
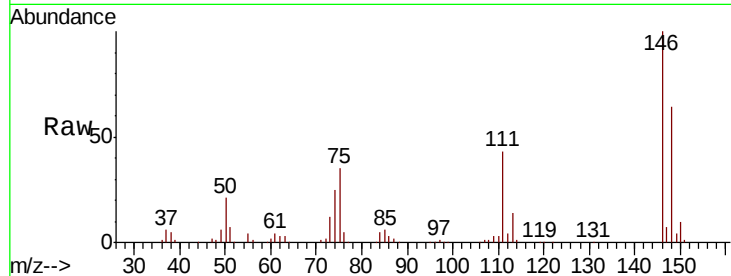




#64
 1,3-Dichlorobenzene
 Concen: 10.767 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041428.D
 Acq: 25 Nov 2020 13:04

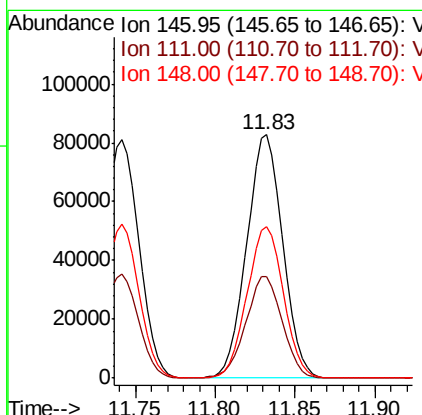
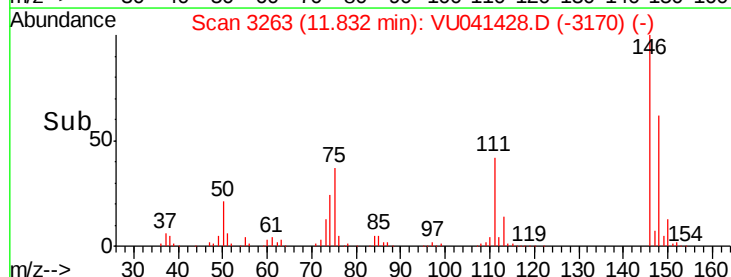
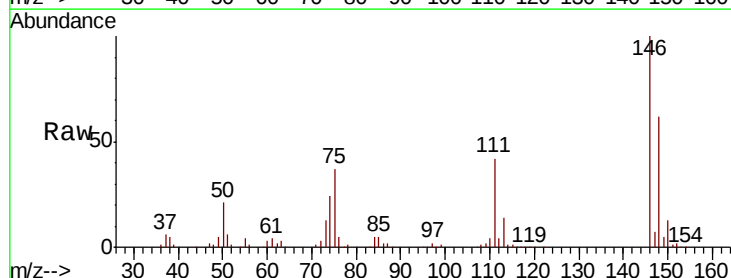
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010106

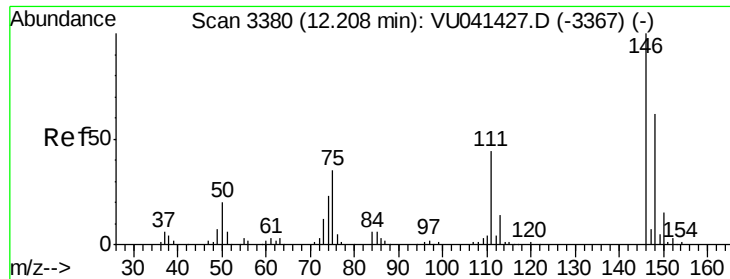
Tot Ion:146 Resp: 126718
 Ion Ratio Lower Upper
 146 100
 111 43.4 30.4 56.5
 148 64.2 46.3 85.9



#65
 1,4-Dichlorobenzene
 Concen: 10.677 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041428.D
 Acq: 25 Nov 2020 13:04

Tgt Ion:146 Resp: 128099
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.5 54.9
 148 62.3 43.3 80.5

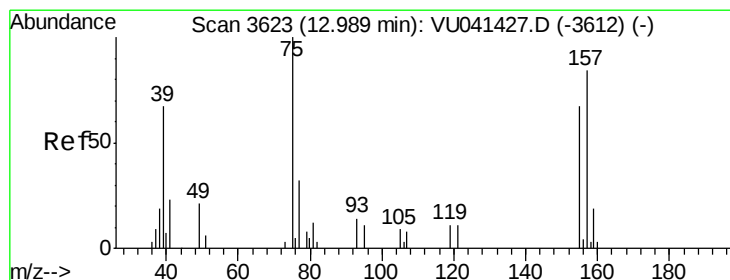
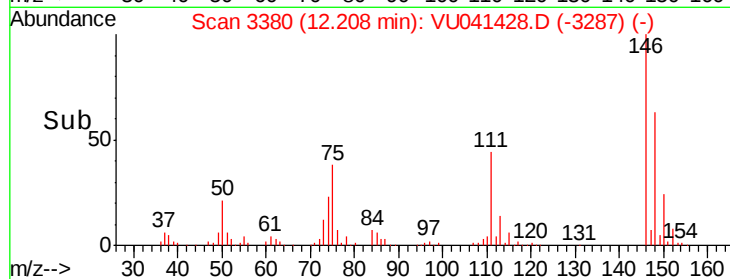
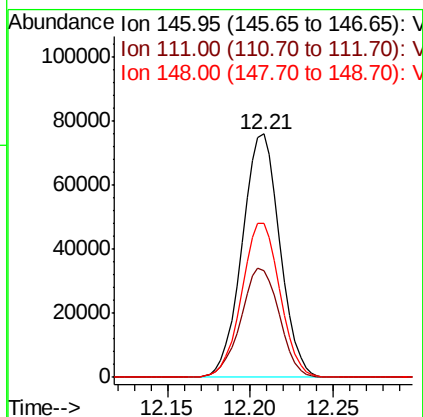
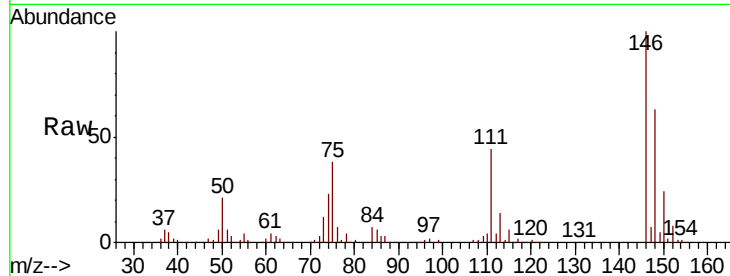




#67
 1,2-Dichlorobenzene
 Concen: 10.505 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041428.D
 Acq: 25 Nov 2020 13:04

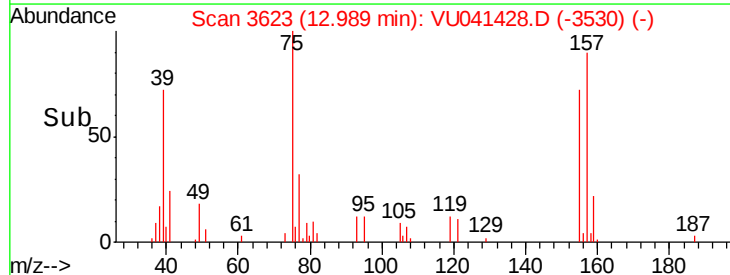
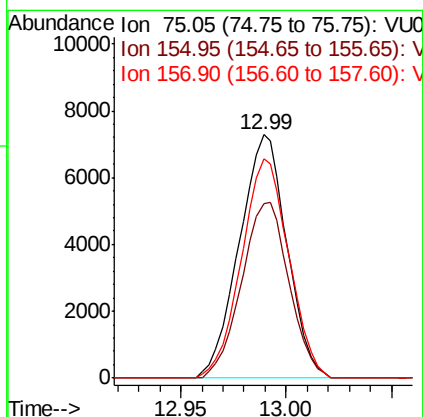
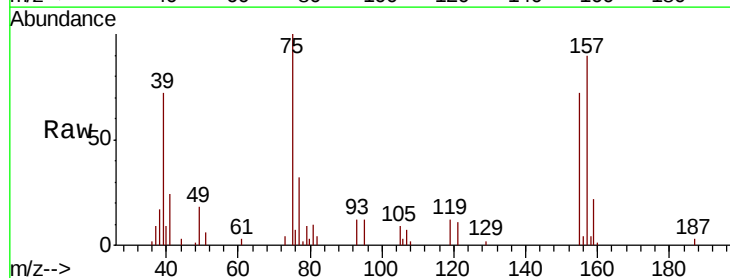
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010106

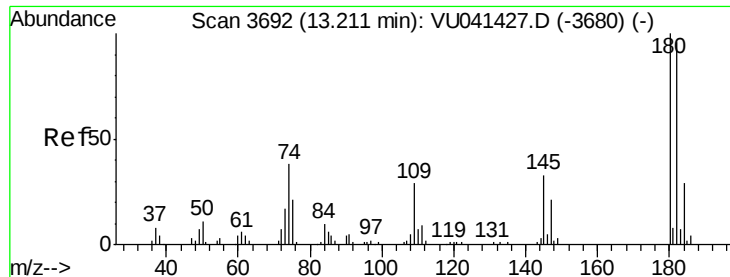
Tot Ion:146 Resp: 120391
 Ion Ratio Lower Upper
 146 100
 111 43.6 35.4 53.2
 148 63.1 49.4 74.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 10.169 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU041428.D
 Acq: 25 Nov 2020 13:04

Tgt Ion: 75 Resp: 11413
 Ion Ratio Lower Upper
 75 100
 155 71.7 53.8 80.6
 157 90.1 67.5 101.3





#69

1,3,5-Trichlorobenzene

Concen: 11.650 ug/L

RT: 13.21 min Scan# 3692

Delta R.T. -0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010106

Tot Ion:180 Resp: 96050

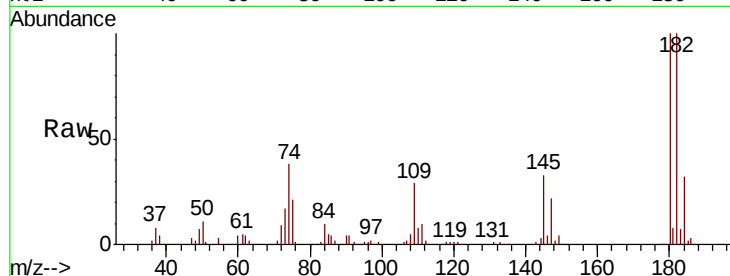
Ion Ratio Lower Upper

180 100

182 98.1 76.5 114.7

184 31.1 24.2 36.2

145 32.8 26.5 39.7

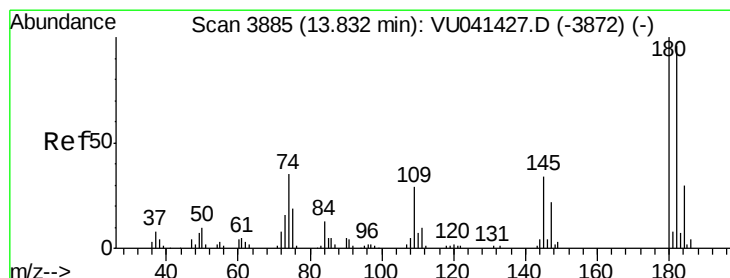
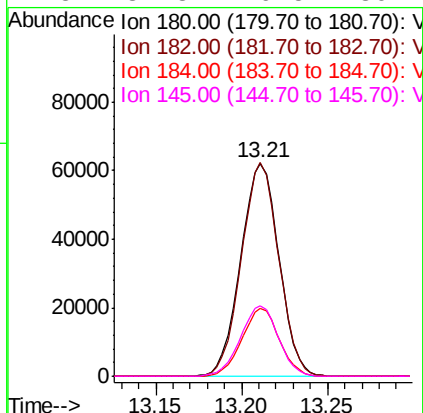
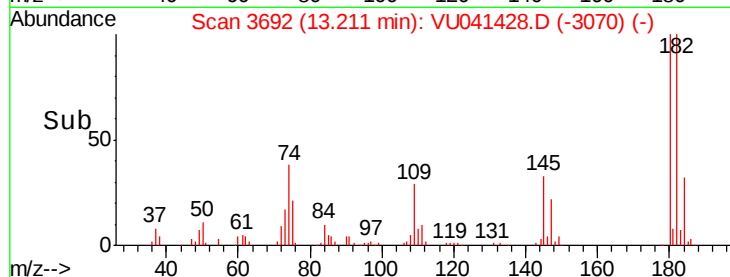


Abundance Ion 180.00 (179.70 to 180.70): V

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



#70

1,2,4-trichlorobenzene

Concen: 11.933 ug/L

RT: 13.83 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VU041428.D

Acq: 25 Nov 2020 13:04

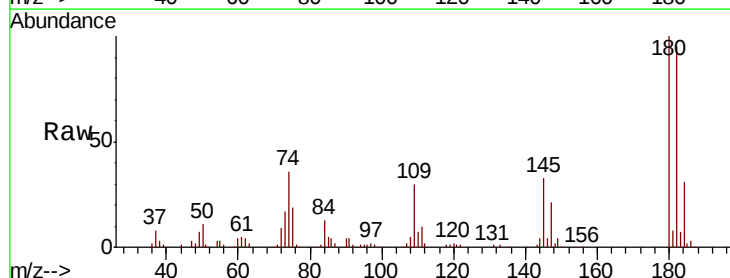
Tgt Ion:180 Resp: 83072

Ion Ratio Lower Upper

180 100

182 95.4 76.0 114.0

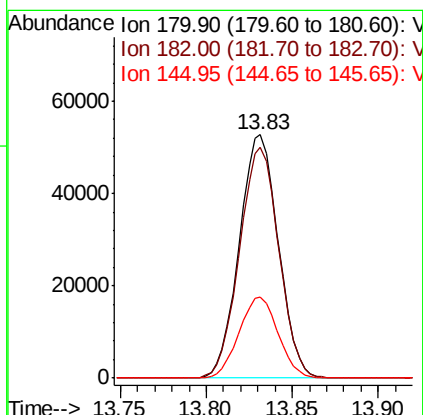
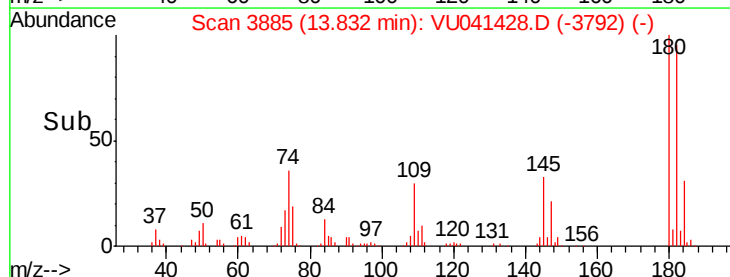
145 33.2 26.6 39.8

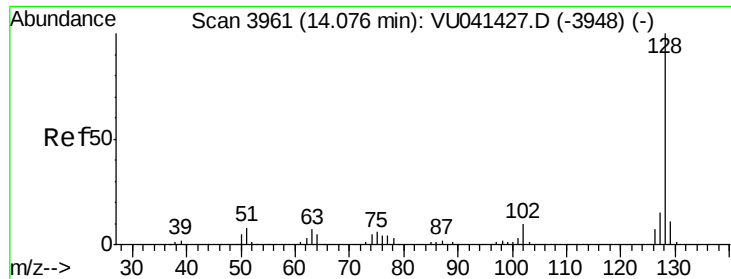


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

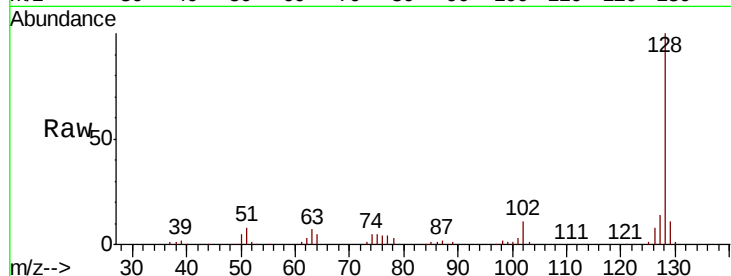




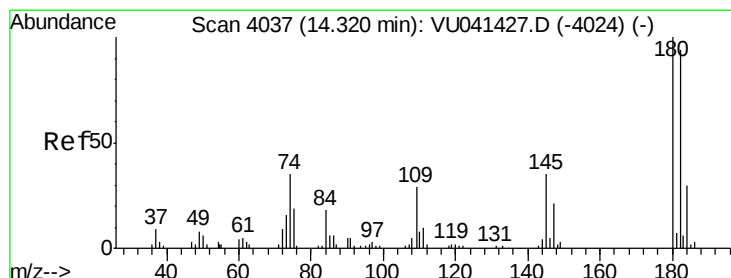
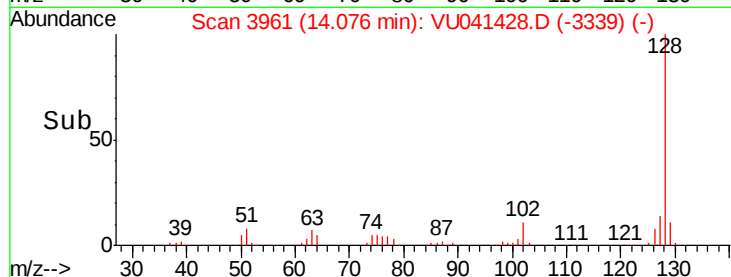
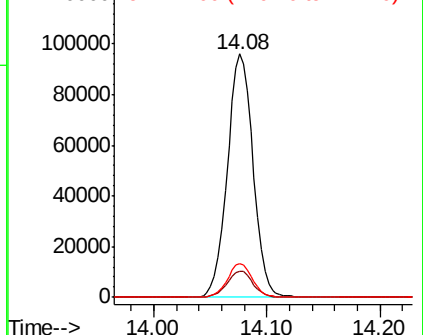
#71
Naphthalene
Concen: 12.365 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU041428.D
Acq: 25 Nov 2020 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD010106

Tot Ion:128 Resp: 151572
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 13.5 11.3 16.9

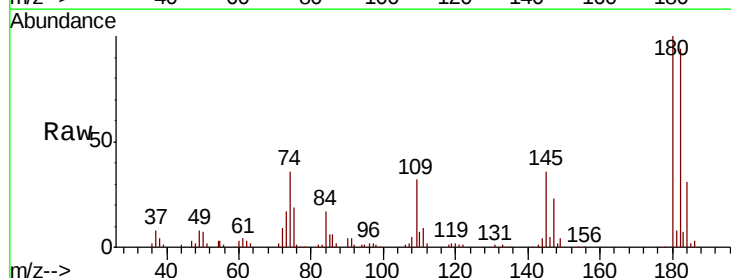


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 11.808 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU041428.D
Acq: 25 Nov 2020 13:04

Tgt Ion:180 Resp: 76800
Ion Ratio Lower Upper
180 100
182 95.3 75.5 113.3
145 34.8 28.1 42.1



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

