

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092520\
 Data File : VU040273.D
 Acq On : 24 Sep 2020 15:54
 Operator : SY/MD
 Sample : VSTD00102
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001102

Quant Time: Sep 25 02:10:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR092420WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 25 02:03:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	209217	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	204710	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	102558	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	12619	1.08	ug/L	0.00
7) Chloroethane-d5	1.92	69	10830	1.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	6426	1.27	ug/L	0.00
20) 2-Butanone-d5	4.66	46	46311	15.58	ug/L	0.00
24) Chloroform-d	5.08	84	25009	1.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	15875	1.31	ug/L	0.00
32) Benzene-d6	5.74	84	47518	0.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	15818	1.04	ug/L	0.00
41) Toluene-d8	7.90	98	42267	0.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	6453	1.06	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	29417	10.06	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.76	84	13559	1.08	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	15894	0.91	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	21511	1.296 ug/L	91
3) Chloromethane	1.53	50	22056	1.281 ug/L	98
5) Vinyl chloride	1.61	62	21619	1.194 ug/L	99
6) Bromomethane	1.87	94	11222	1.084 ug/L	94
8) Chloroethane	1.94	64	13849	1.229 ug/L	99
9) Trichlorofluoromethane	2.15	101	28859	1.322 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	17572	1.303 ug/L	98
12) 1,1-Dichloroethene	2.59	96	16294	1.243 ug/L	94
13) Acetone	2.67	43	40200	16.966 ug/L	99
14) Carbon disulfide	2.81	76	56395	1.329 ug/L	98
15) Methyl Acetate	2.97	43	9562	1.630 ug/L	99
16) Methylene chloride	3.06	84	22379	1.259 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	41107	1.222 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	17163	1.221 ug/L	98
19) 1,1-Dichloroethane	3.89	63	34213	1.353 ug/L	98
21) 2-Butanone	4.74	43	63878	16.802 ug/L	96
22) cis-1,2-Dichloroethene	4.68	96	17783	1.147 ug/L	94
23) Bromochloromethane	4.99	128	8328	1.254 ug/L	98
25) Chloroform	5.11	83	34295	1.353 ug/L	97
27) 1,2-Dichloroethane	5.81	62	25498	1.547 ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	28308	1.288 ug/L	98
30) Cyclohexane	5.40	56	28694	1.151 ug/L	93
31) Carbon tetrachloride	5.54	117	24372	1.304 ug/L	94
33) Benzene	5.79	78	70533	1.169 ug/L	100
34) Trichloroethene	6.55	95	18827	1.187 ug/L	94
35) Methylcyclohexane	6.77	83	27552	1.034 ug/L	95
37) 1,2-Dichloropropane	6.80	63	20681	1.368 ug/L	# 96
38) Bromodichloromethane	7.11	83	23917	1.277 ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	24934	1.088 ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	138399	14.452 ug/L	100

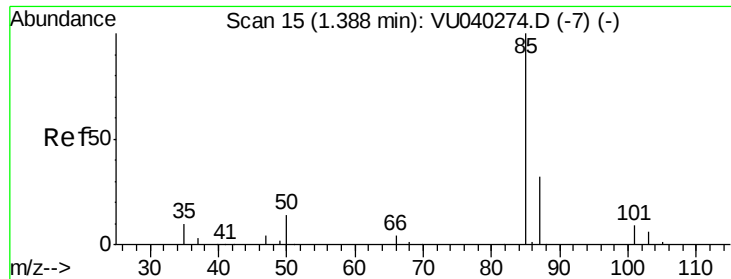
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092520\
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Quant Time: Sep 25 02:10:31 2020
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	69080	1.054	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	23470	1.264	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	13607	1.229	ug/L	97
47) Tetrachloroethene	8.56	164	13114	1.045	ug/L	90
48) 2-Hexanone	8.69	43	97247	14.327	ug/L	99
49) Dibromochloromethane	8.82	129	14811	1.161	ug/L	99
50) 1,2-Dibromoethane	8.93	107	12640	1.164	ug/L	92
51) Chlorobenzene	9.45	112	44988	1.079	ug/L	98
52) Ethylbenzene	9.57	91	74866	1.050	ug/L	97
53) m,p-Xylene	9.69	106	25153	0.921	ug/L	99
54) o-Xylene	10.10	106	24430	0.917	ug/L	89
55) Styrene	10.11	104	42079	0.949	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.78	83	17247	1.215	ug/L	92
59) Bromoform	10.29	173	7974	1.111	ug/L	98
60) Isopropylbenzene	10.48	105	66800	0.950	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	13494	1.318	ug/L	99
62) 1,3,5-Trimethylbenzene	11.08	105	49047	0.821	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	50597	0.849	ug/L	98
64) 1,3-Dichlorobenzene	11.74	146	34325	1.043	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	36444	1.099	ug/L	98
67) 1,2-Dichlorobenzene	12.20	146	33325	1.052	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.00	75	3001	1.364	ug/L	92
69) 1,3,5-Trichlorobenzene	13.21	180	24094	0.974	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	17671	0.960	ug/L	95
71) Naphthalene	14.08	128	25661	0.935	ug/L	98
72) 1,2,3-Trichlorobenzene	14.32	180	15774	0.951	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 1.296 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

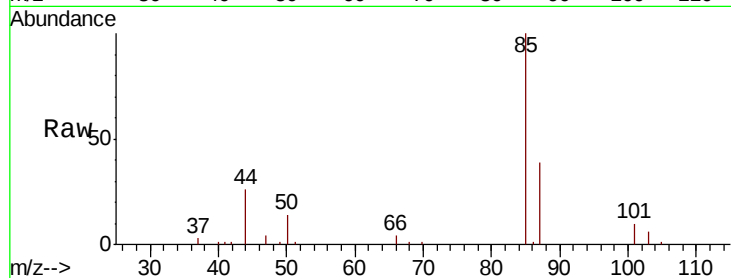
VSTD001102

Tot Ion: 85 Resp: 21511

Ion Ratio Lower Upper

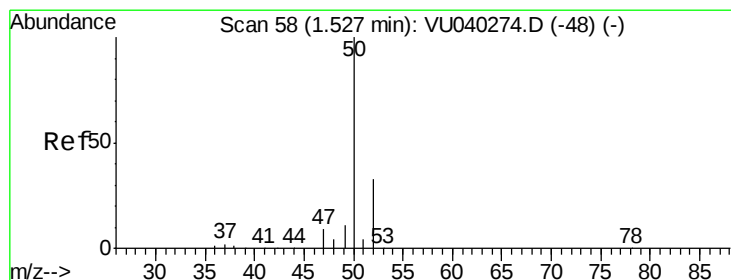
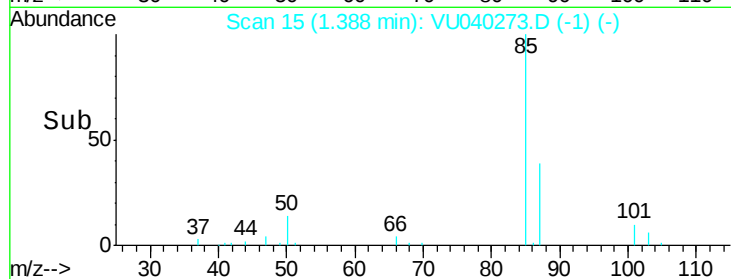
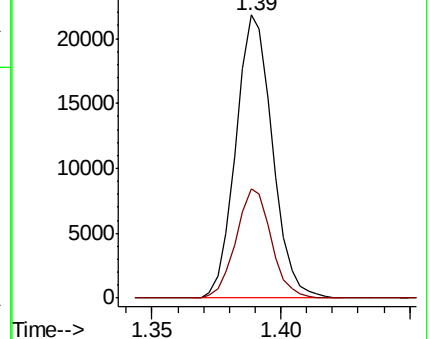
85 100

87 37.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU040273.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040273.D (-7) (-)



#3

Chloromethane

Concen: 1.281 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040273.D

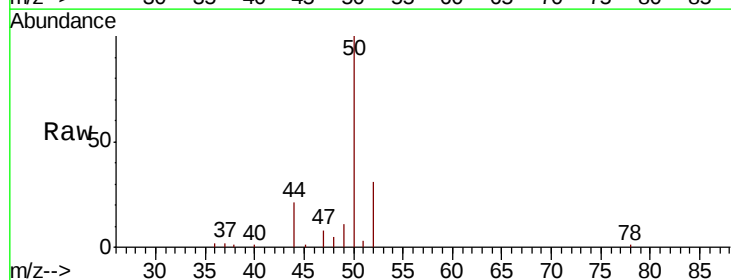
Acq: 24 Sep 2020 15:54

Tgt Ion: 50 Resp: 22056

Ion Ratio Lower Upper

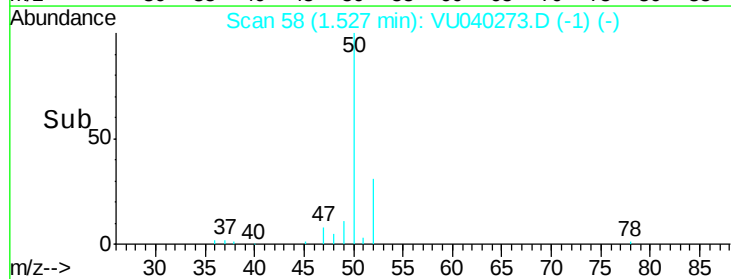
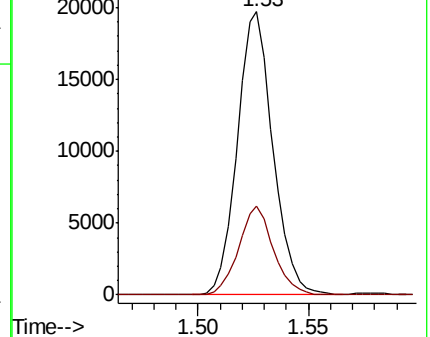
50 100

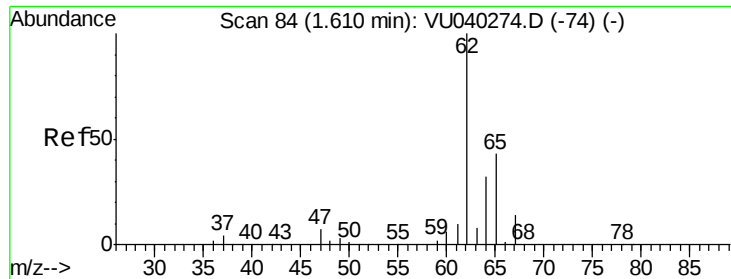
52 31.4 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU040273.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU040273.D (-48) (-)





#5

Vinyl chloride

Concen: 1.194 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

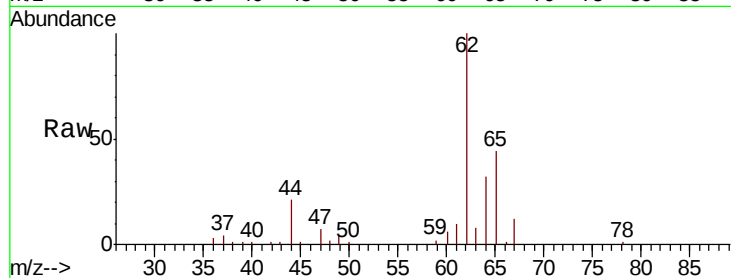
VSTD001102

Tot Ion: 62 Resp: 21619

Ion Ratio Lower Upper

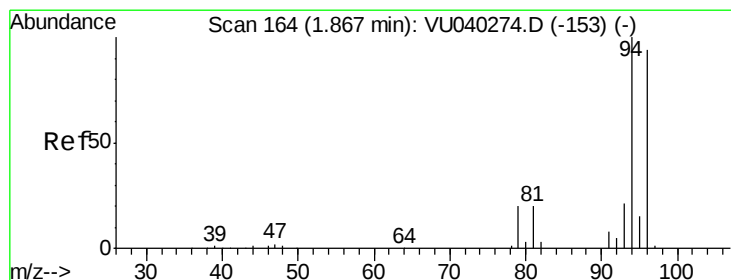
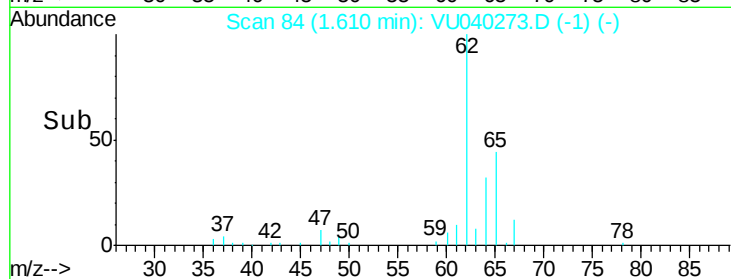
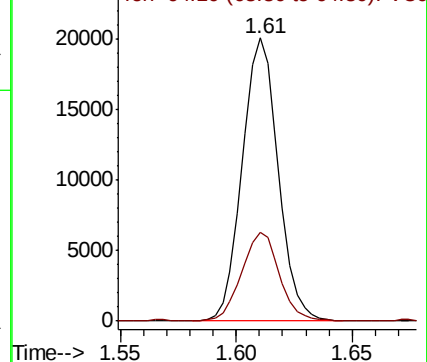
62 100

64 31.5 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 1.084 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040273.D

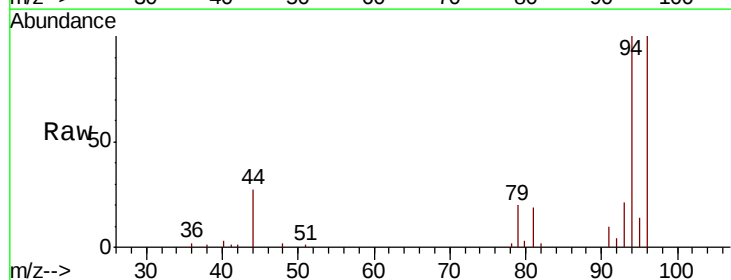
Acq: 24 Sep 2020 15:54

Tgt Ion: 94 Resp: 11222

Ion Ratio Lower Upper

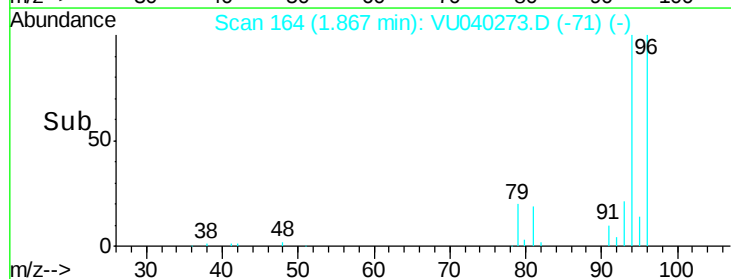
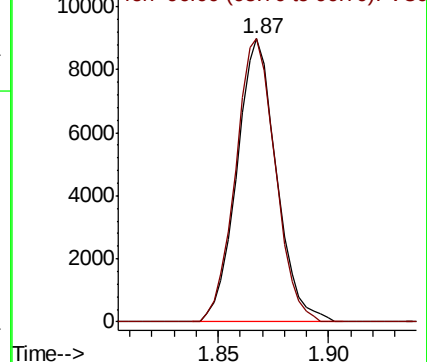
94 100

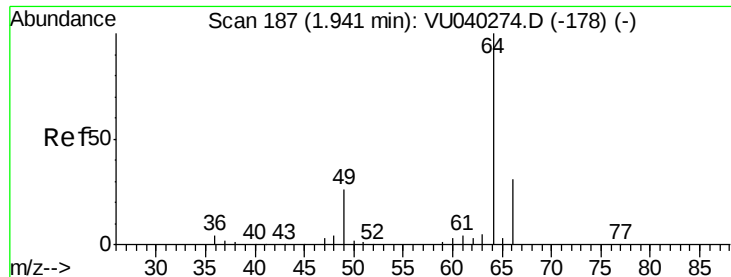
96 99.9 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 1.229 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

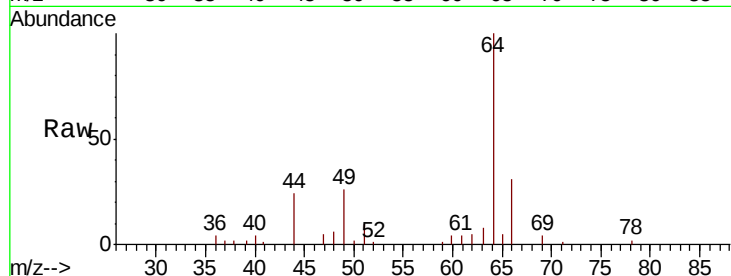
VSTD001102

Tot Ion: 64 Resp: 13849

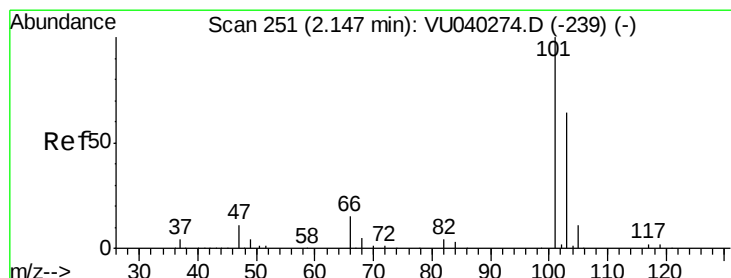
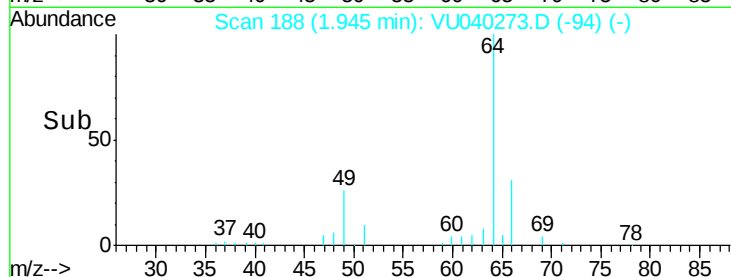
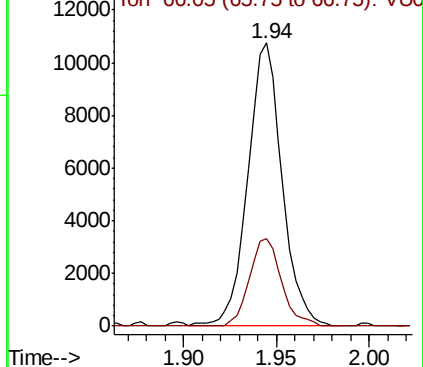
Ion Ratio Lower Upper

64 100

66 31.0 21.3 39.6



Abundance Ion 64.10 (63.80 to 64.80): VU040273.D (-94) (-)



#9

Trichlorofluoromethane

Concen: 1.322 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040273.D

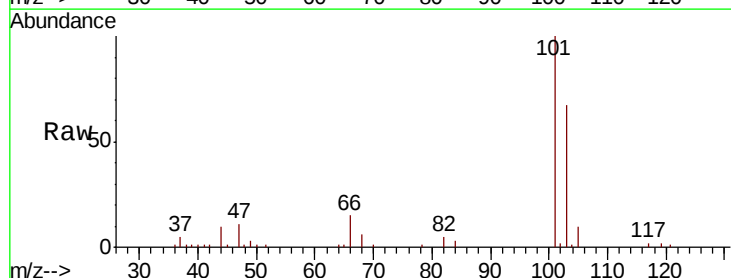
Acq: 24 Sep 2020 15:54

Tgt Ion: 101 Resp: 28859

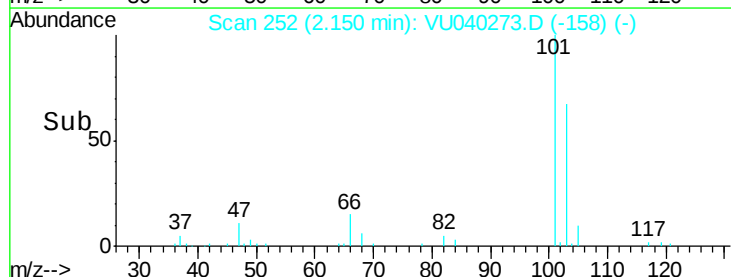
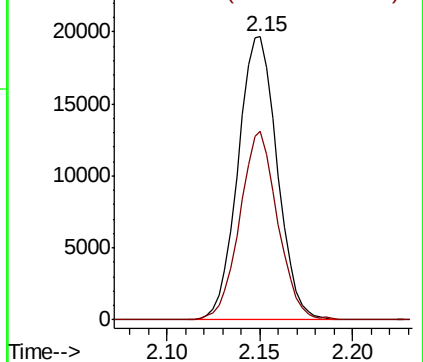
Ion Ratio Lower Upper

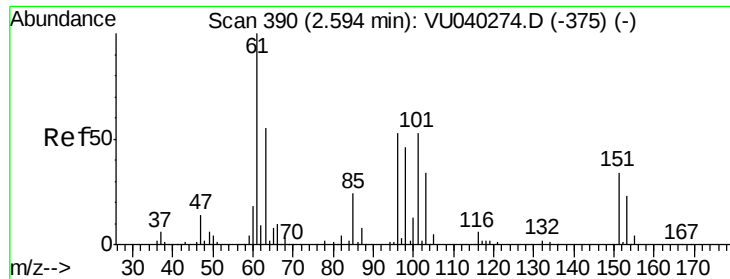
101 100

103 64.3 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU040273.D (-158) (-)





#10

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

Concen: 1.303 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD001102

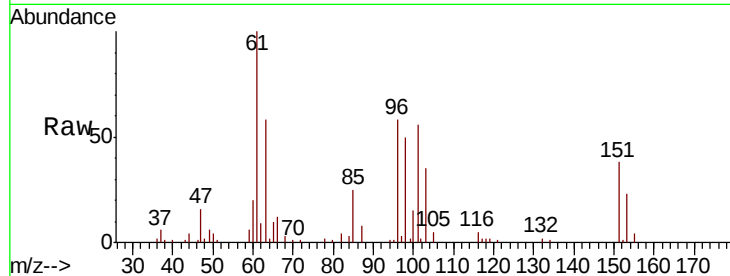
Tot Ion:101 Resp: 17572

Ion Ratio Lower Upper

101 100

85 48.2 36.7 55.1

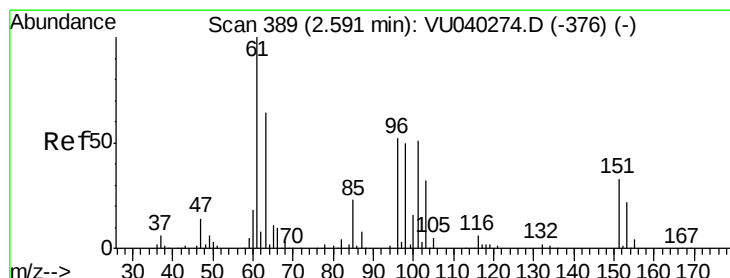
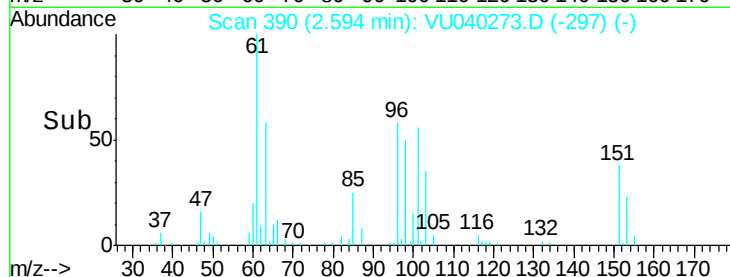
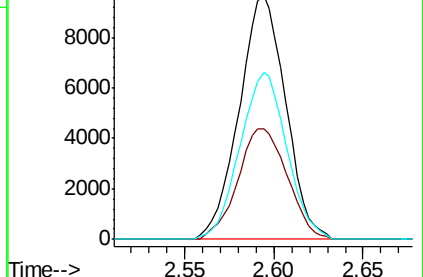
151 69.1 54.5 81.7



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: 1.243 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

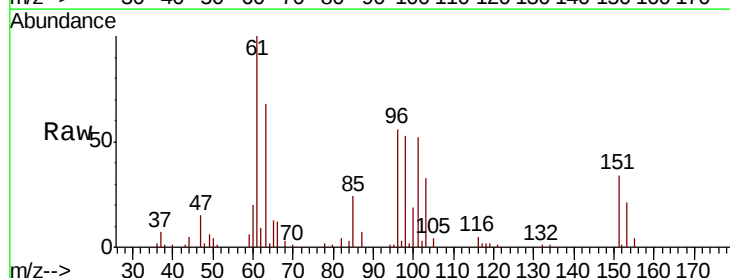
Tgt Ion: 96 Resp: 16294

Ion Ratio Lower Upper

96 100

61 179.8 134.3 249.3

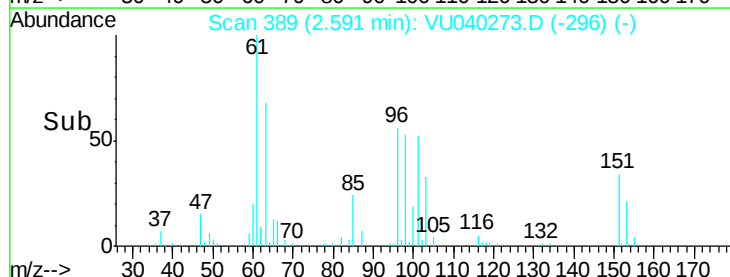
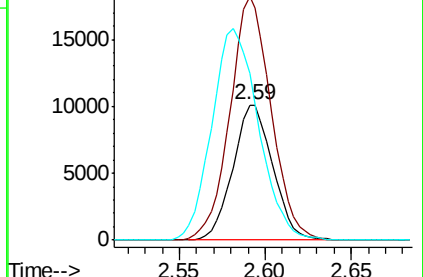
63 122.8 88.5 164.4

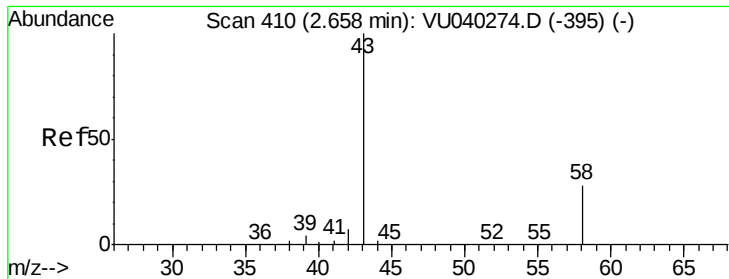


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 16.966 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

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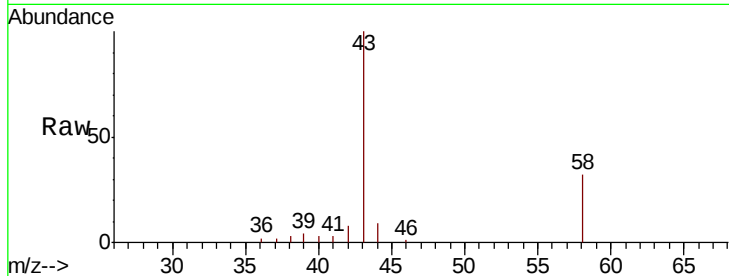
VSTD001102

Tot Ion: 43 Resp: 40200

Ion Ratio Lower Upper

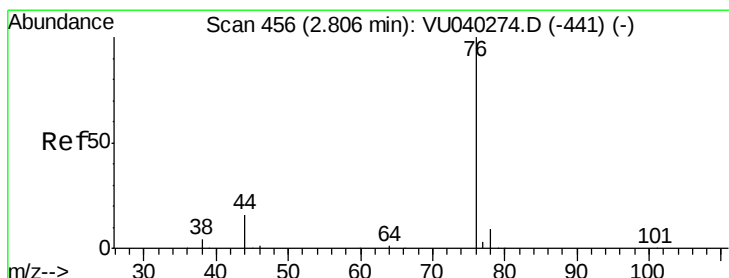
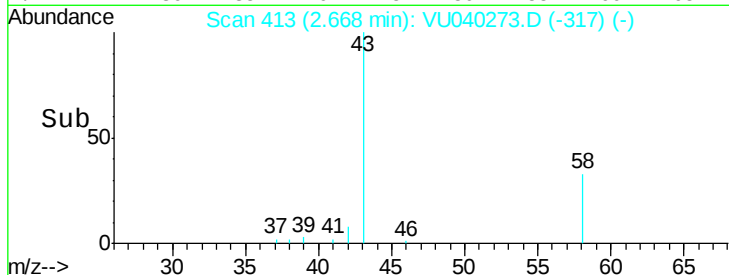
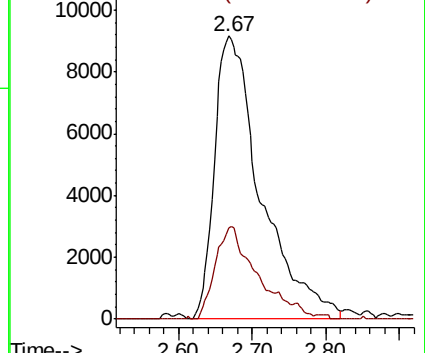
43 100

58 28.5 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VU040274.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU040274.D (-395) (-)



#14

Carbon disulfide

Concen: 1.329 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040273.D

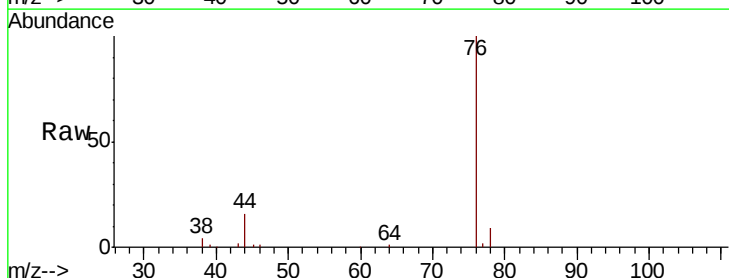
Acq: 24 Sep 2020 15:54

Tgt Ion: 76 Resp: 56395

Ion Ratio Lower Upper

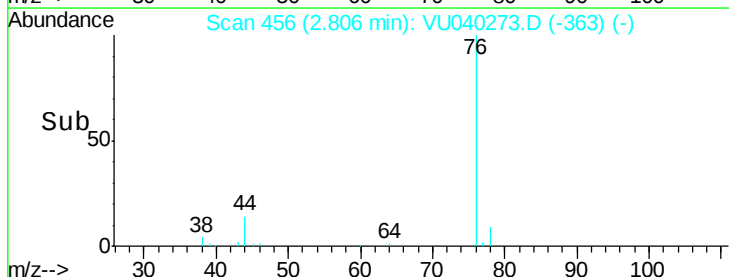
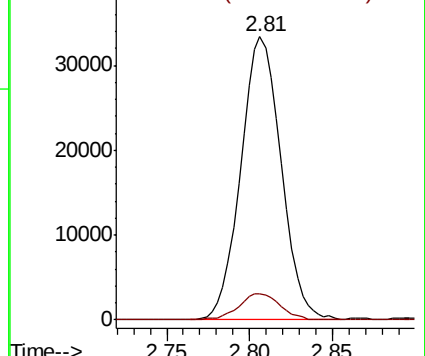
76 100

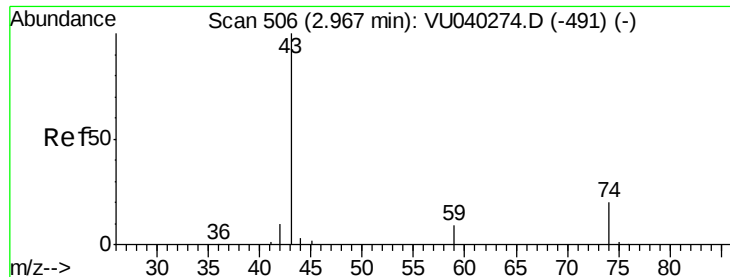
78 9.4 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU040274.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU040274.D (-441) (-)

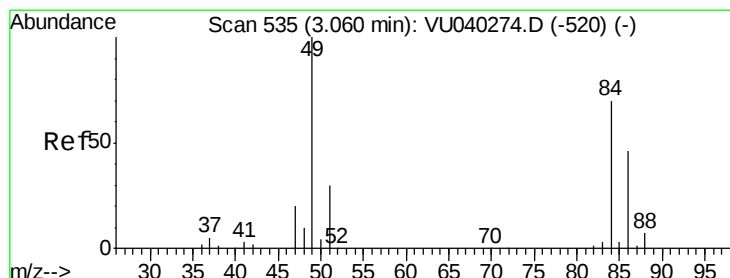
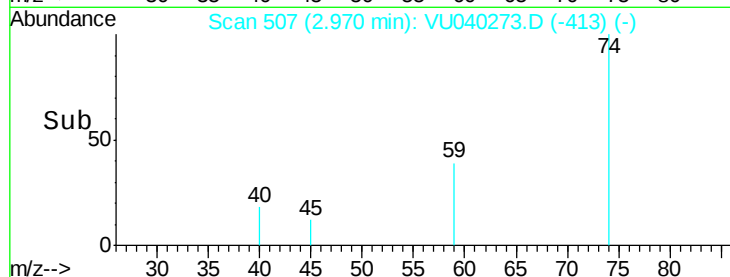
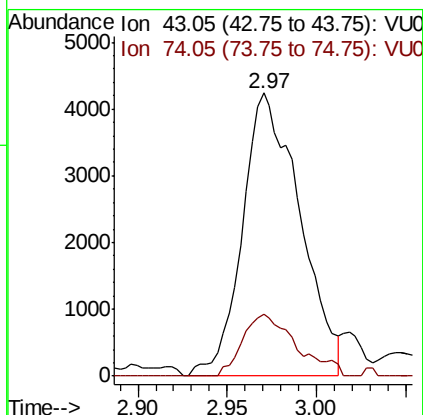
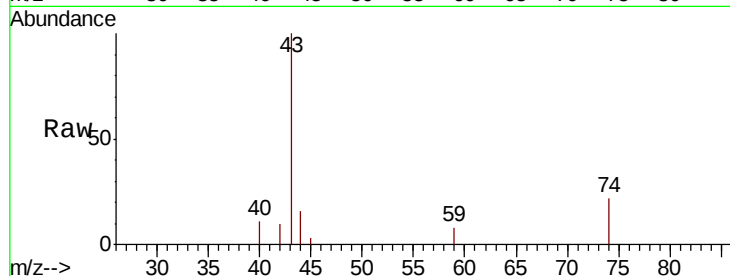




#15
Methyl Acetate
Concen: 1.630 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU040273.D
Acq: 24 Sep 2020 15:54

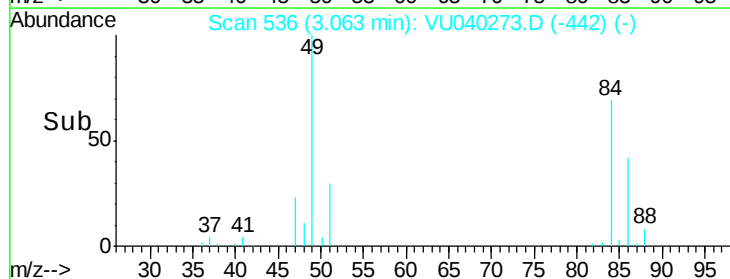
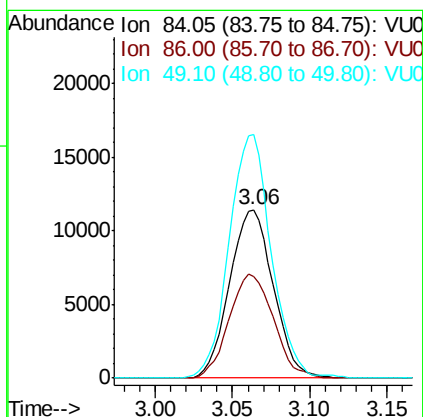
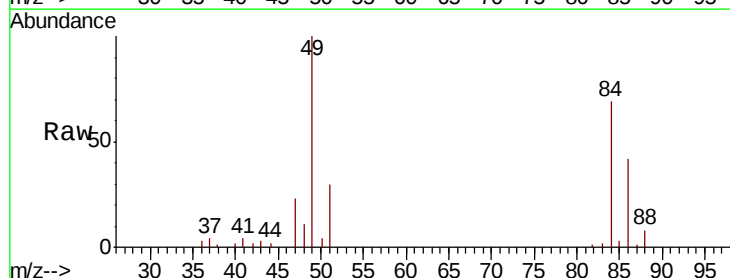
Instrument :
MSVOA_U
ClientSampleId :
VSTD001102

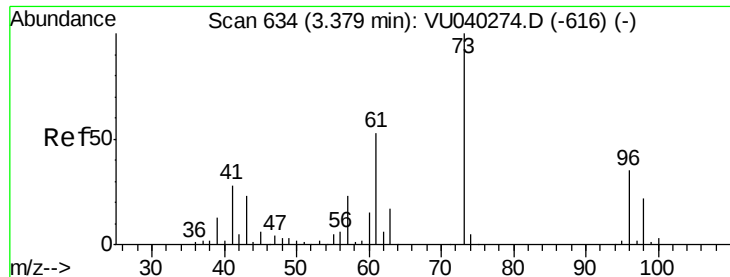
Tot Ion: 43 Resp: 9562
Ion Ratio Lower Upper
43 100
74 20.4 16.9 25.3



#16
Methylene chloride
Concen: 1.259 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040273.D
Acq: 24 Sep 2020 15:54

Tgt Ion: 84 Resp: 22379
Ion Ratio Lower Upper
84 100
86 60.6 45.8 85.0
49 144.5 100.4 186.4

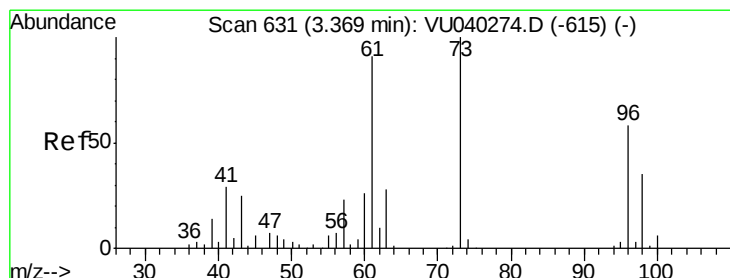
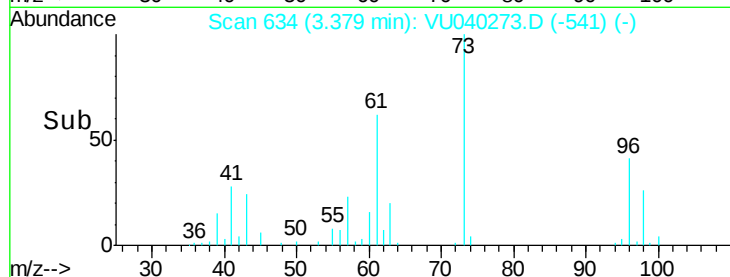
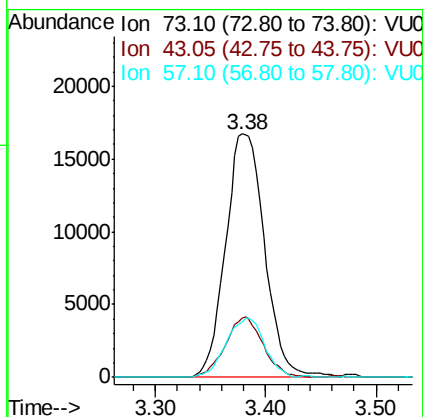
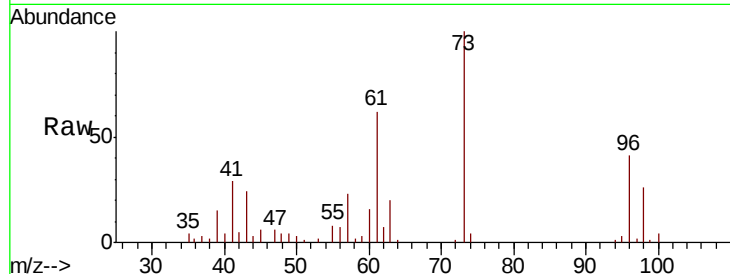




#17
Methvl tert-butvl Ether
Concen: 1.222 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040273.D
Acq: 24 Sep 2020 15:54

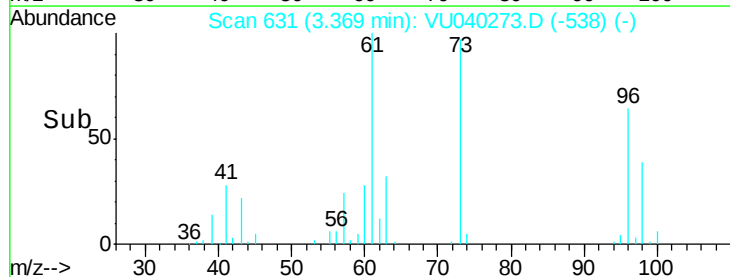
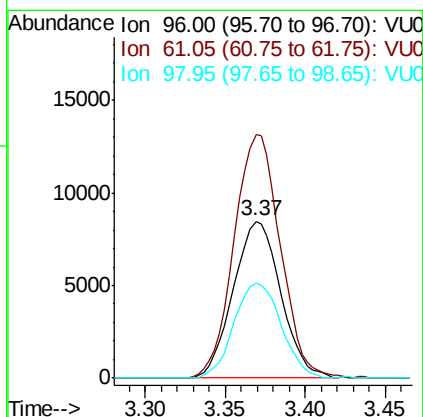
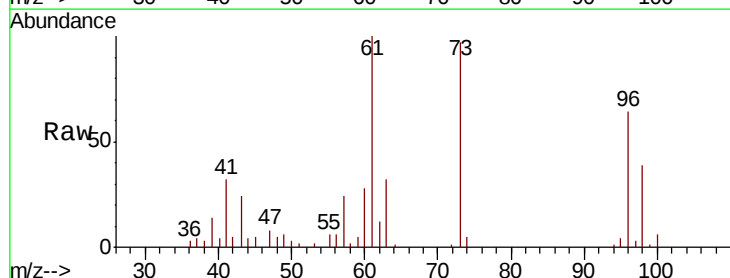
Instrument :
MSVOA_U
ClientSampleId :
VSTD001102

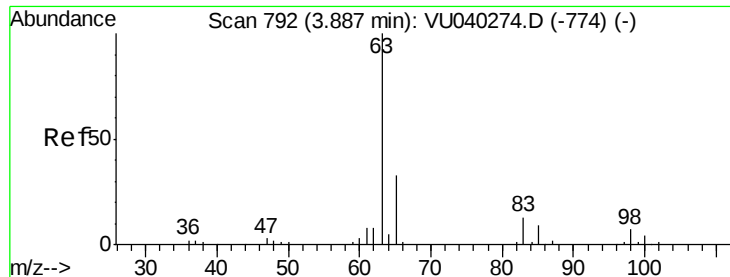
Tot Ion: 73 Resp: 41107
Ion Ratio Lower Upper
73 100
43 23.9 19.0 28.6
57 23.9 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 1.221 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040273.D
Acq: 24 Sep 2020 15:54

Tgt Ion: 96 Resp: 17163
Ion Ratio Lower Upper
96 100
61 155.5 110.7 205.5
98 61.1 43.1 80.1

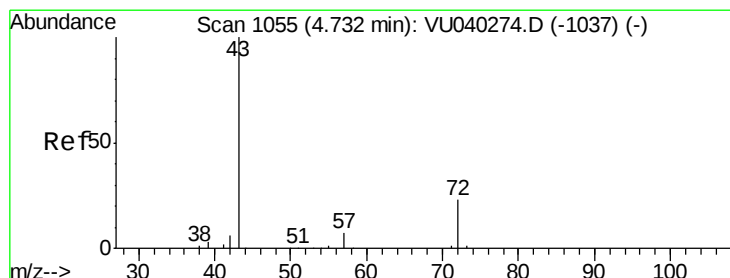
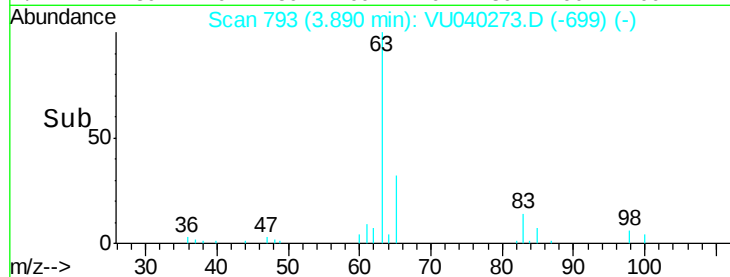
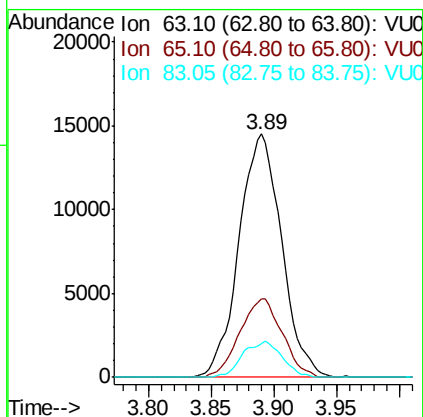
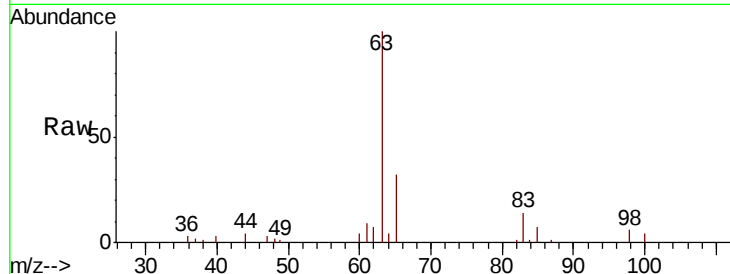




#19
 1,1-Dichloroethane
 Concen: 1.353 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040273.D
 Acq: 24 Sep 2020 15:54

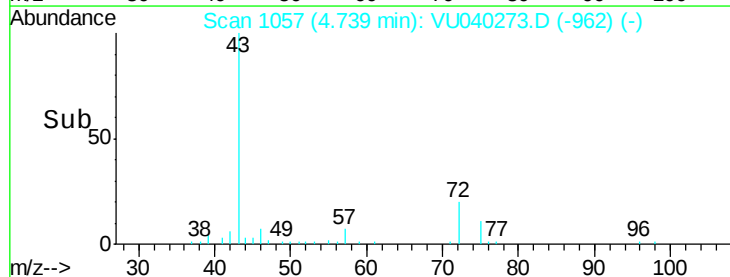
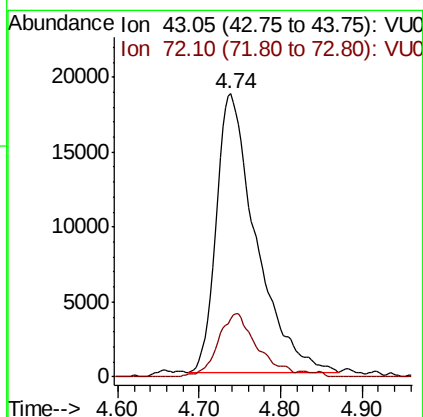
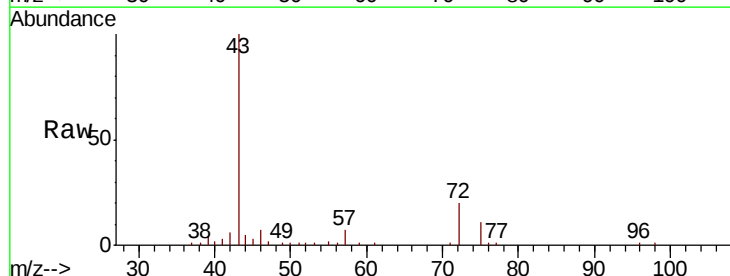
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001102

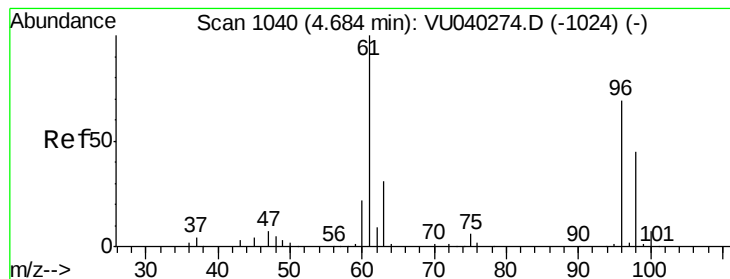
Tot Ion: 63 Resp: 34213
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.0 42.6
 83 14.1 9.0 16.8



#21
 2-Butanone
 Concen: 16.802 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU040273.D
 Acq: 24 Sep 2020 15:54

Tgt Ion: 43 Resp: 63878
 Ion Ratio Lower Upper
 43 100
 72 21.4 11.8 35.3





#22

cis-1,2-Dichloroethene

Concen: 1.147 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD001102

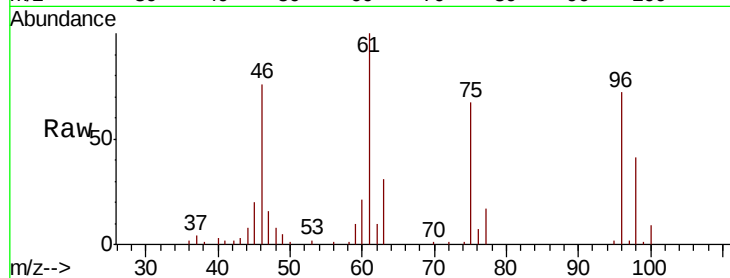
Tot Ion: 96 Resp: 17783

Ion Ratio Lower Upper

96 100

61 139.6 101.9 189.3

98 57.6 46.0 85.4

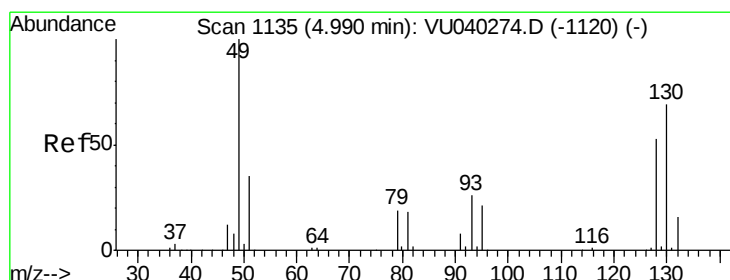
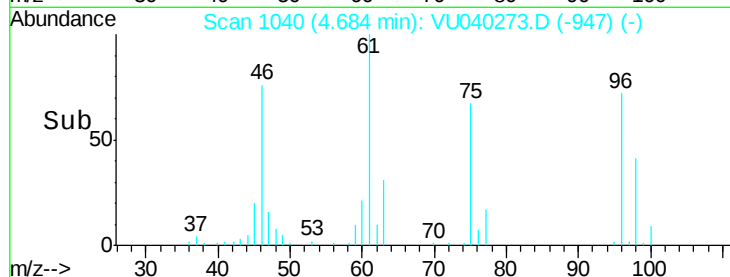
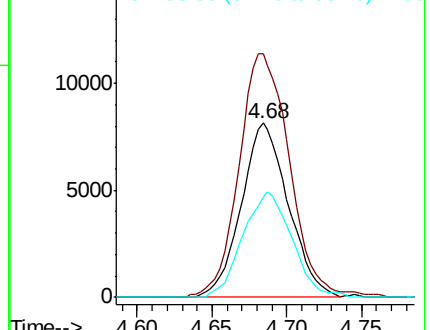


Abundance

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: 1.254 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Tgt Ion: 128 Resp: 8328

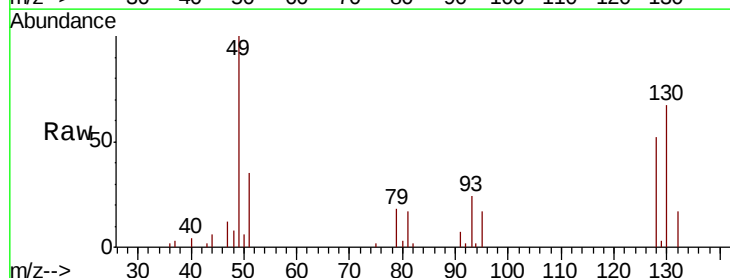
Ion Ratio Lower Upper

128 100

49 191.4 133.0 247.0

130 128.3 91.8 170.6

51 67.6 53.3 79.9



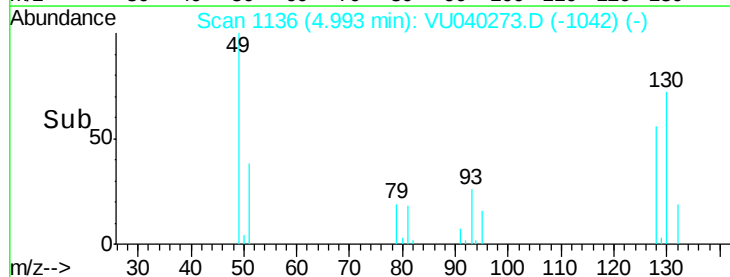
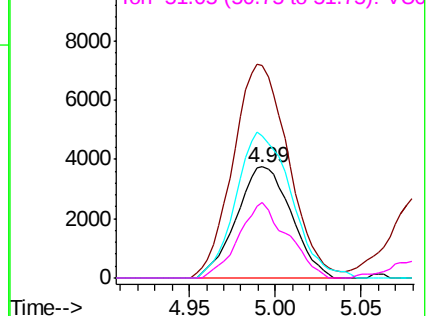
Abundance

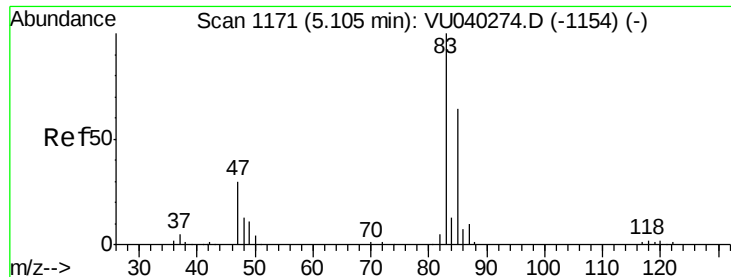
Ion 127.90 (127.60 to 128.60): V

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

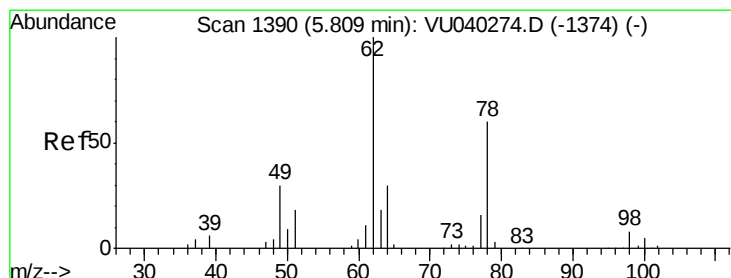
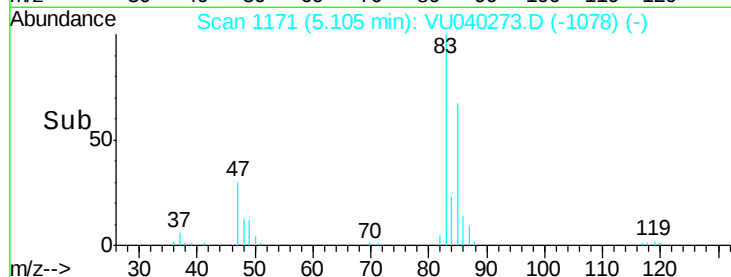
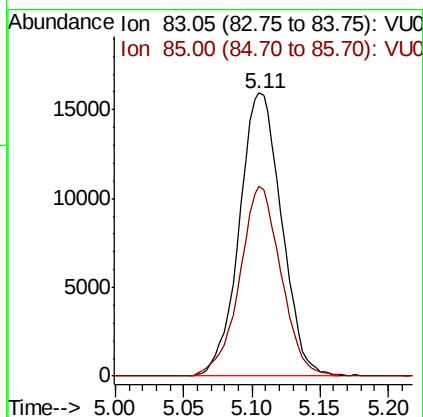
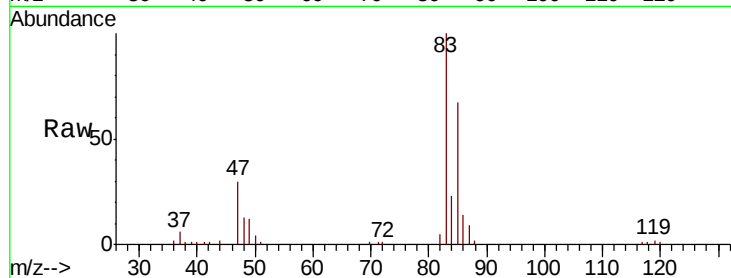




#25
Chloroform
Concen: 1.353 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040273.D
Acq: 24 Sep 2020 15:54

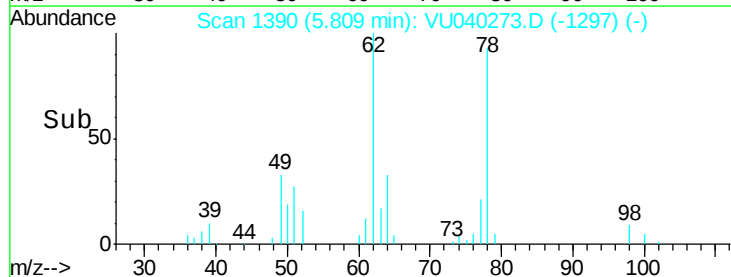
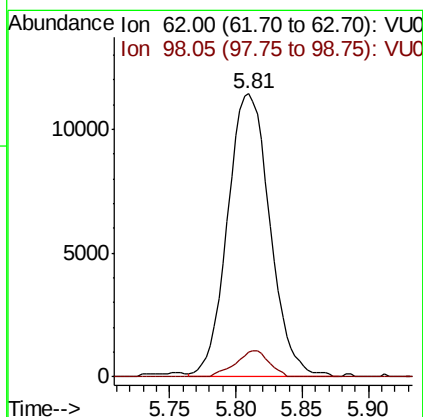
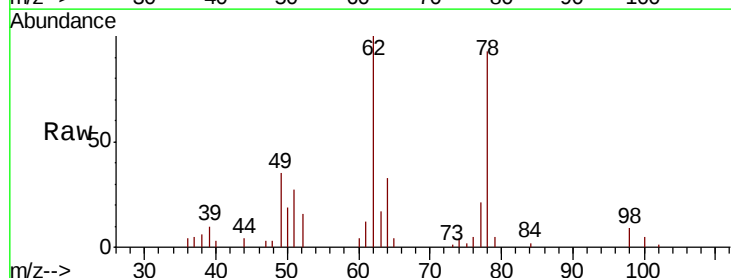
Instrument :
MSVOA_U
ClientSampleId :
VSTD001102

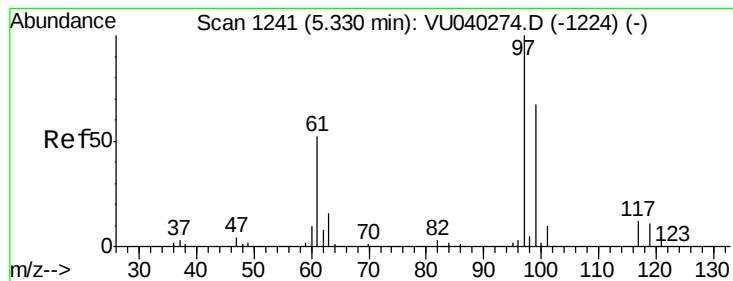
Tot Ion: 83 Resp: 34295
Ion Ratio Lower Upper
83 100
85 67.2 45.2 84.0



#27
1,2-Dichloroethane
Concen: 1.547 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040273.D
Acq: 24 Sep 2020 15:54

Tgt Ion: 62 Resp: 25498
Ion Ratio Lower Upper
62 100
98 8.7 6.5 9.7





#29

1,1,1-Trichloroethane

Concen: 1.288 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD001102

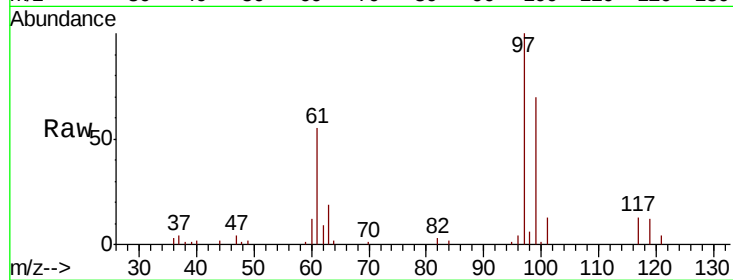
Tot Ion: 97 Resp: 28308

Ion Ratio Lower Upper

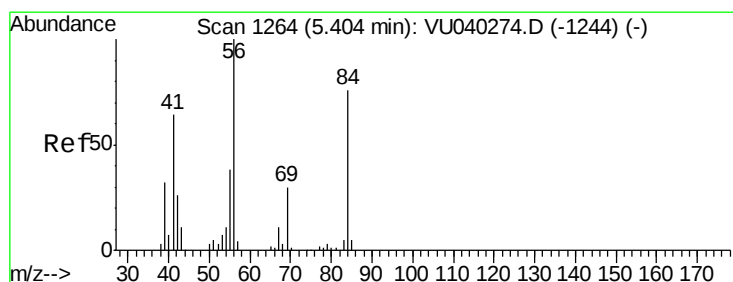
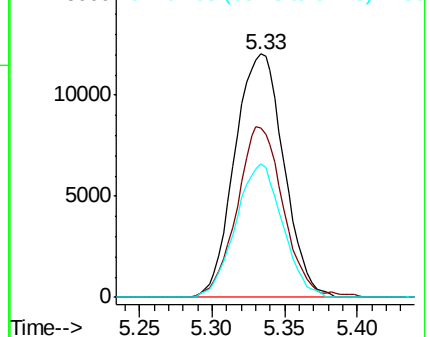
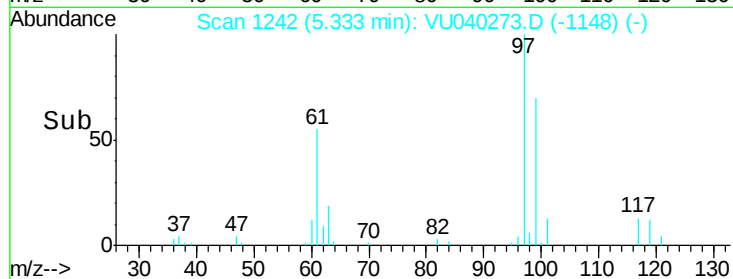
97 100

99 66.0 52.1 78.1

61 52.3 40.2 60.4



Abundance Ion 96.95 (96.65 to 97.65): VU040273.D (-1148) (-)



#30

Cyclohexane

Concen: 1.151 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

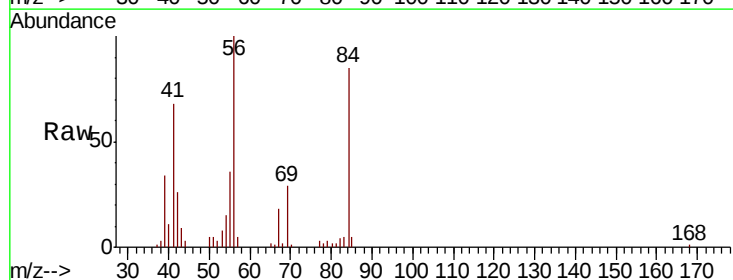
Tgt Ion: 56 Resp: 28694

Ion Ratio Lower Upper

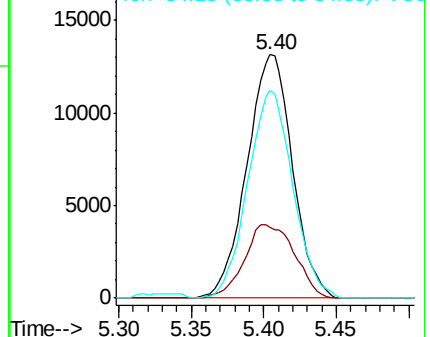
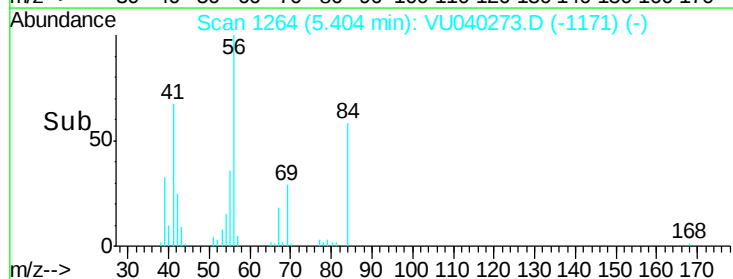
56 100

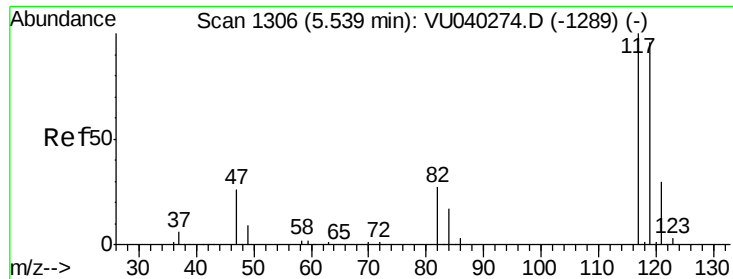
69 33.1 23.0 34.6

84 84.4 63.3 94.9



Abundance Ion 56.10 (55.80 to 56.80): VU040273.D (-1171) (-)

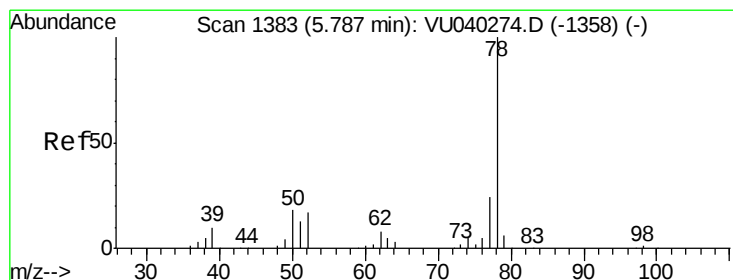
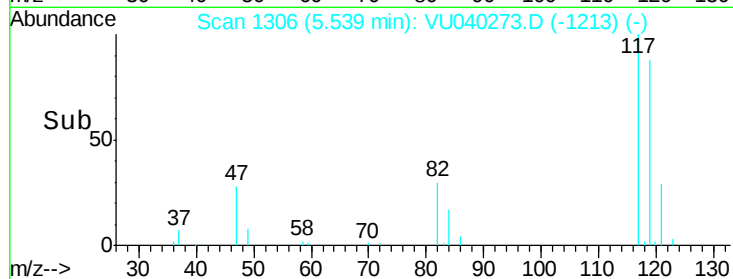
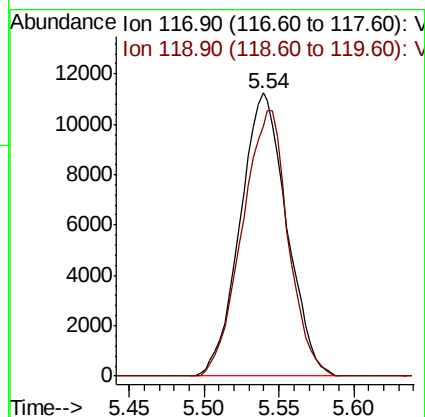
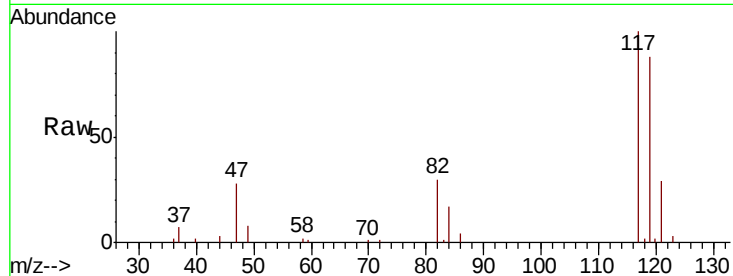




#31
Carbon tetrachloride
Concen: 1.304 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU040273.D
Acq: 24 Sep 2020 15:54

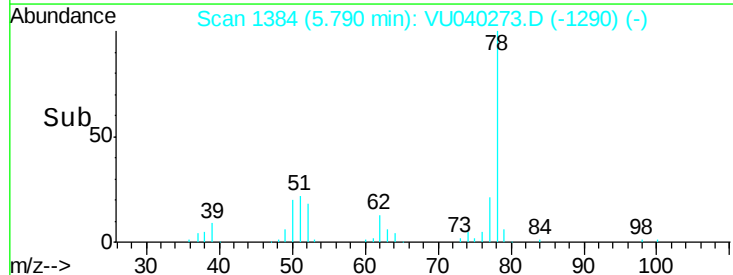
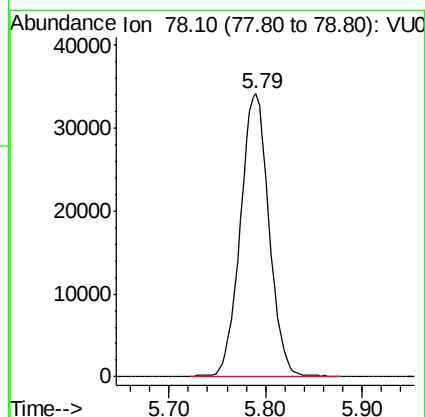
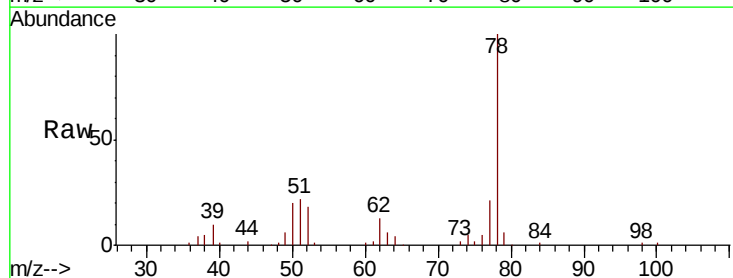
Instrument :
MSVOA_U
ClientSampleId :
VSTD001102

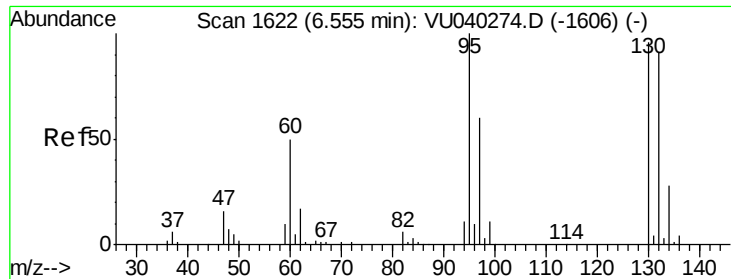
Tot Ion:117 Resp: 24372
Ion Ratio Lower Upper
117 100
119 92.7 78.6 117.8



#33
Benzene
Concen: 1.169 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040273.D
Acq: 24 Sep 2020 15:54

Tgt Ion: 78 Resp: 70533

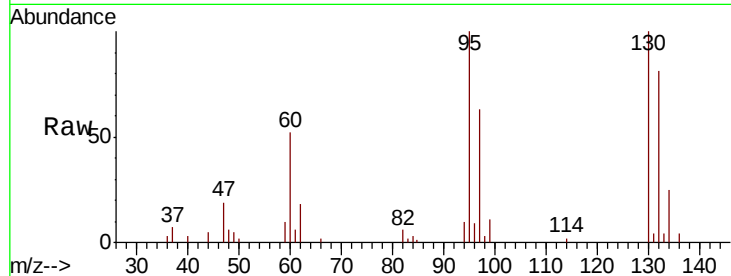




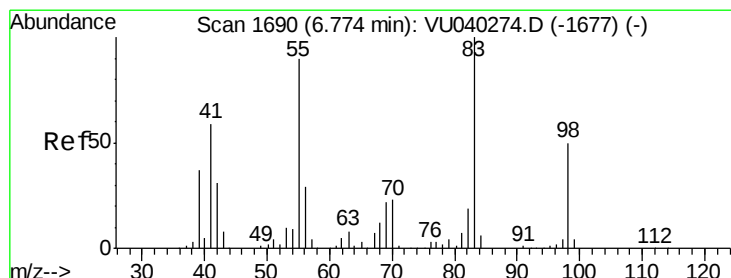
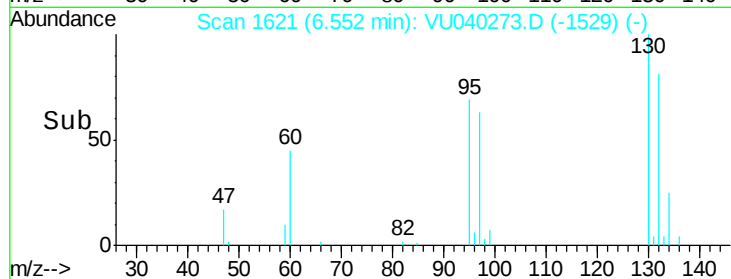
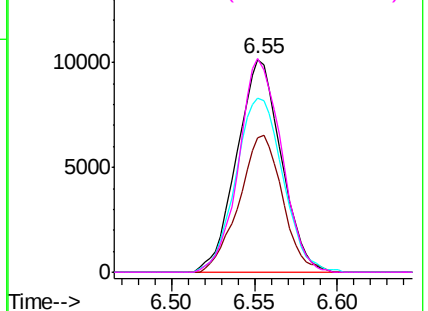
#34
 Trichloroethene
 Concen: 1.187 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040273.D
 Acq: 24 Sep 2020 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001102

Tot Ion: 95 Resp: 18827
 Ion Ratio Lower Upper
 95 100
 97 63.2 42.1 78.3
 132 81.7 63.8 118.4
 130 100.3 67.3 125.1

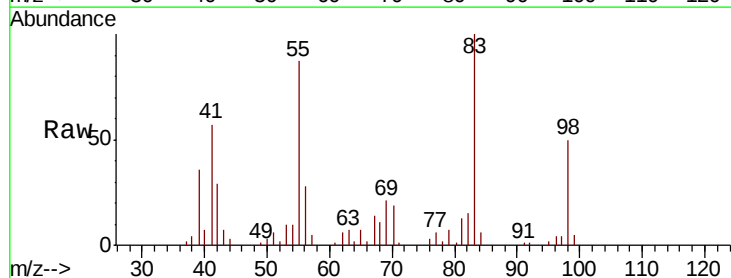


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

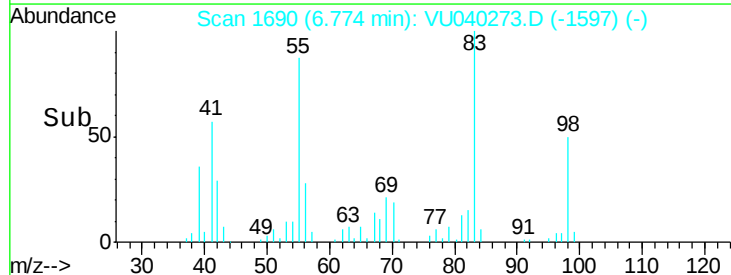
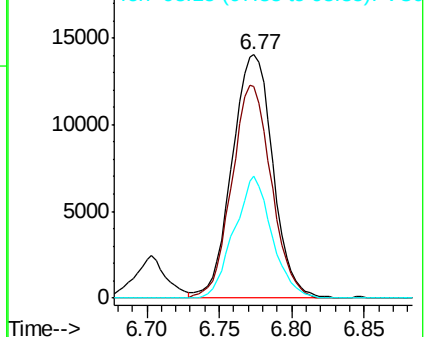


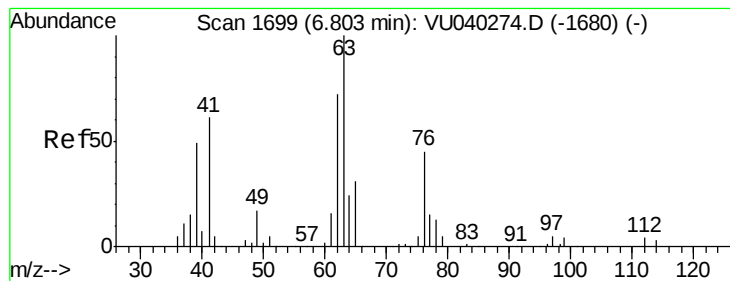
#35
 Methylcyclohexane
 Concen: 1.034 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040273.D
 Acq: 24 Sep 2020 15:54

Tgt Ion: 83 Resp: 27552
 Ion Ratio Lower Upper
 83 100
 55 84.3 71.7 107.5
 98 46.2 38.6 58.0



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: 1.368 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

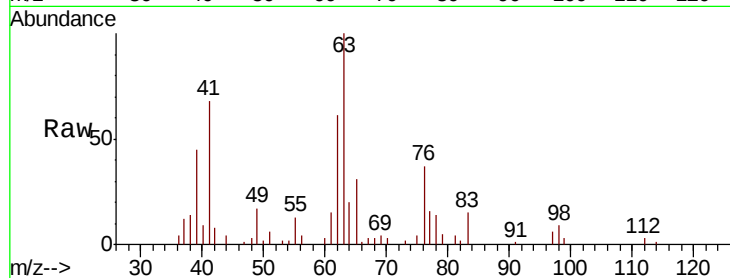
VSTD001102

Tot Ion: 63 Resp: 20681

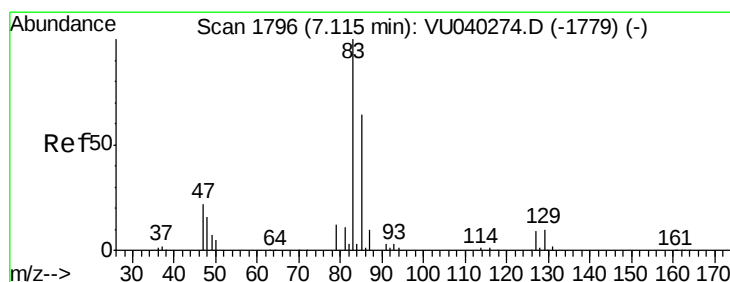
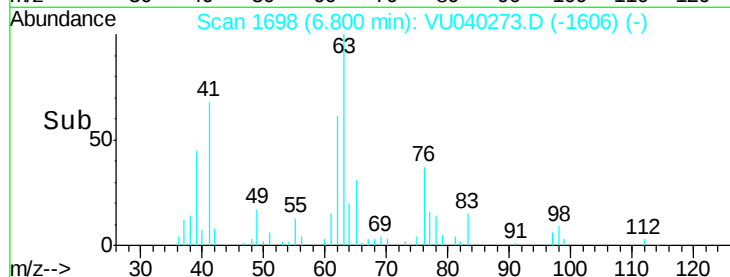
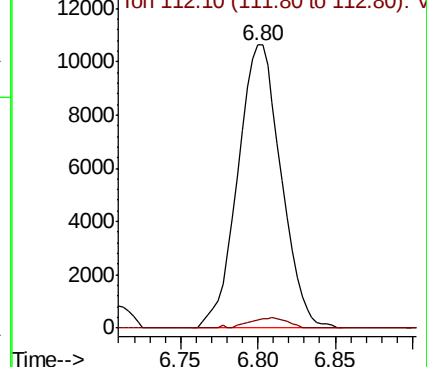
Ion Ratio Lower Upper

63 100

112 3.2 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU040273.D (-1606) (-)



#38

Bromodichloromethane

Concen: 1.277 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

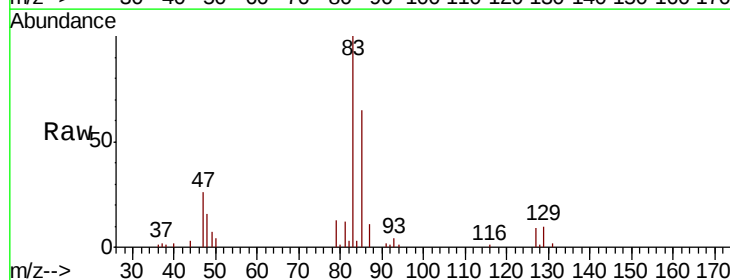
Tgt Ion: 83 Resp: 23917

Ion Ratio Lower Upper

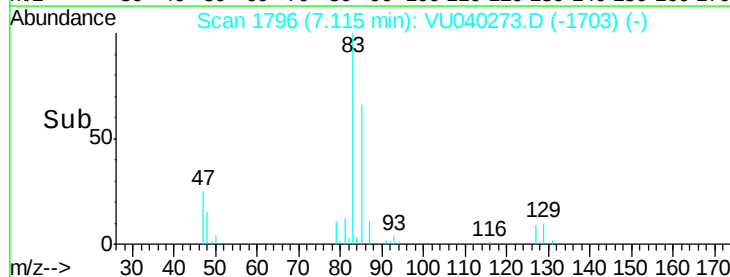
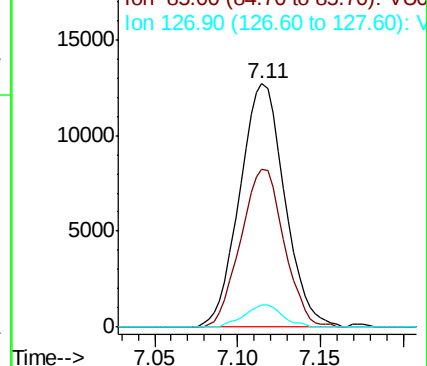
83 100

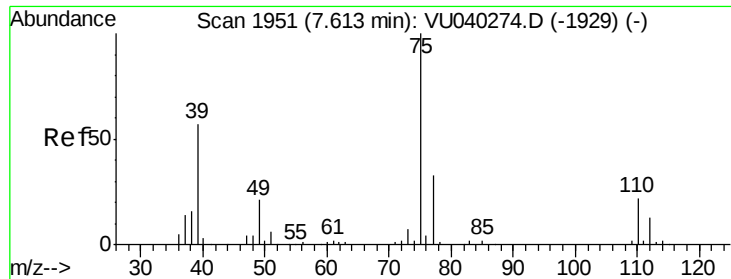
85 65.1 44.6 82.8

127 9.0 6.8 10.2



Abundance Ion 82.95 (82.65 to 83.65): VU040273.D (-1703) (-)

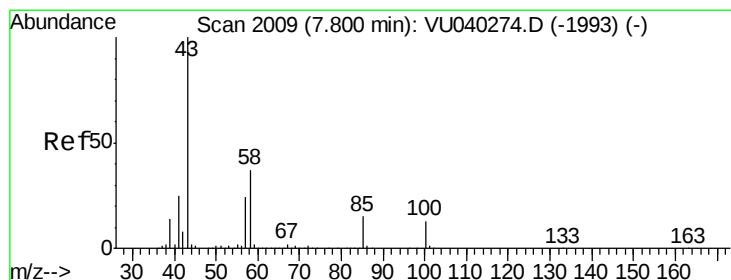
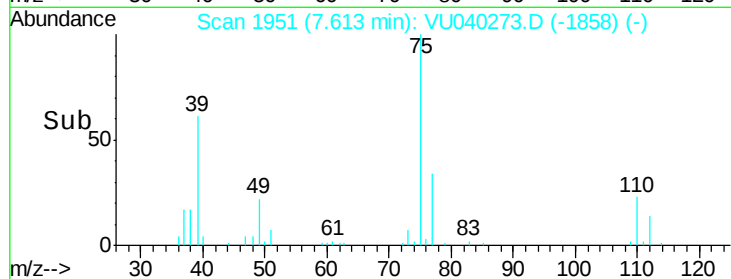
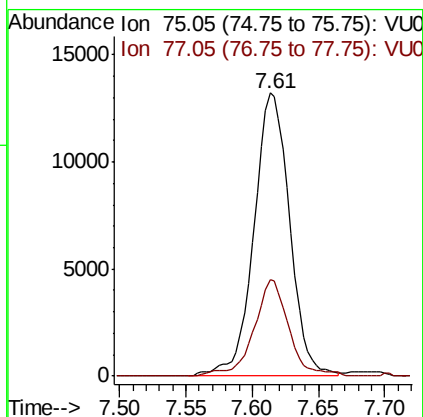
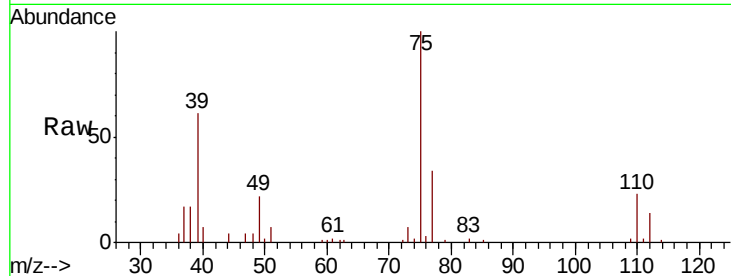




#39
 cis-1,3-Dichloropropene
 Concen: 1.088 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040273.D
 Acq: 24 Sep 2020 15:54

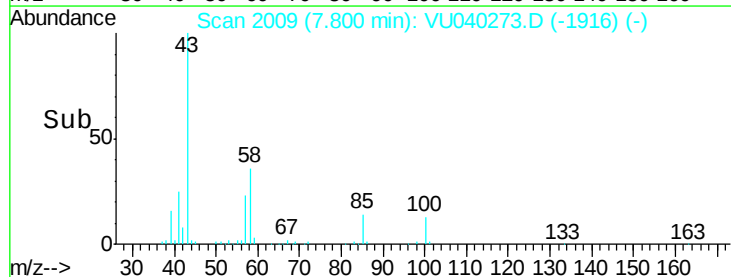
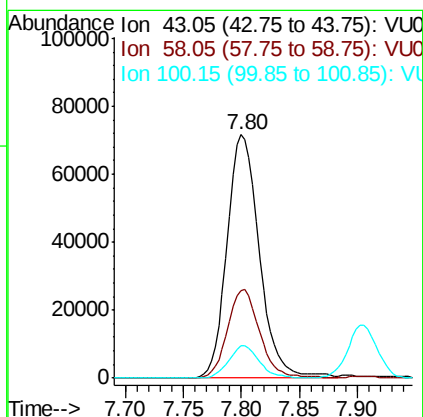
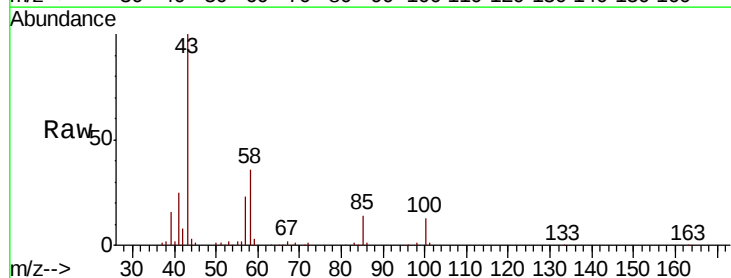
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001102

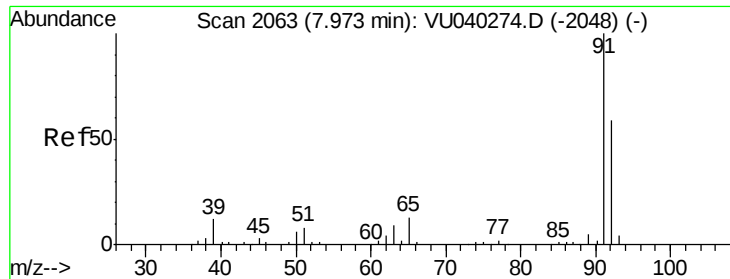
Tot Ion: 75 Resp: 24934
 Ion Ratio Lower Upper
 75 100
 77 34.3 23.4 43.4



#40
 4-Methyl-2-pentanone
 Concen: 14.452 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040273.D
 Acq: 24 Sep 2020 15:54

Tgt Ion: 43 Resp: 138399
 Ion Ratio Lower Upper
 43 100
 58 36.1 28.8 43.2
 100 12.6 10.3 15.5





#42

Toluene

Concen: 1.054 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

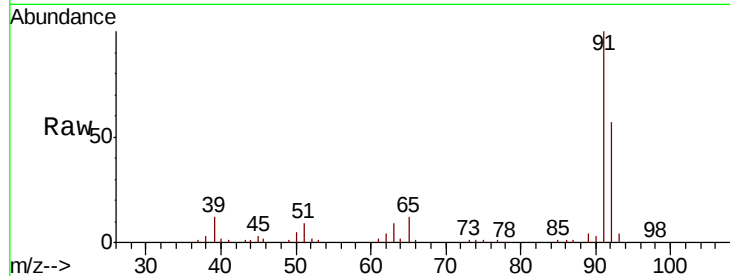
VSTD001102

Tot Ion: 91 Resp: 69080

Ion Ratio Lower Upper

91 100

92 56.6 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

40000

30000

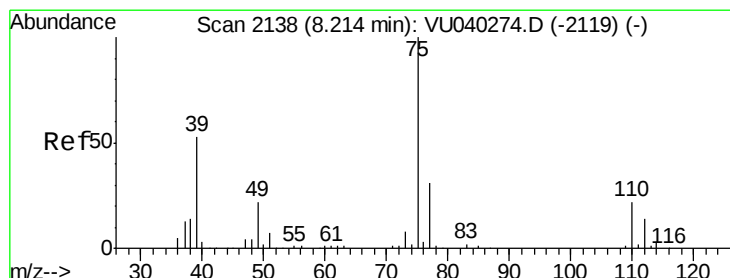
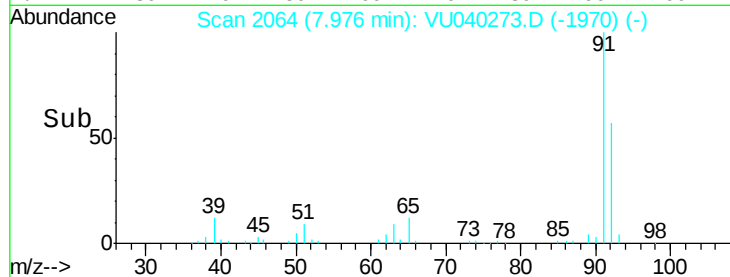
20000

10000

0

Time-->

7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 1.264 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040273.D

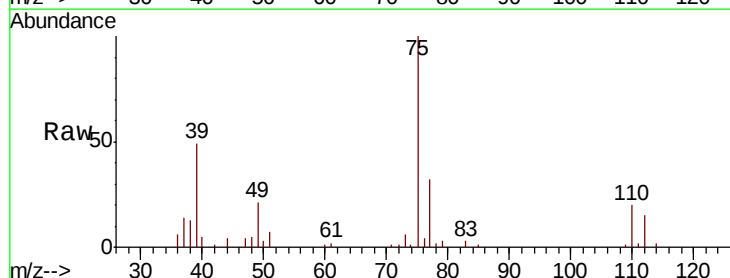
Acq: 24 Sep 2020 15:54

Tgt Ion: 75 Resp: 23470

Ion Ratio Lower Upper

75 100

77 32.5 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

15000

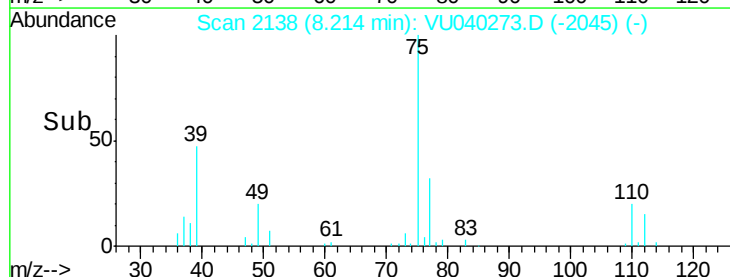
10000

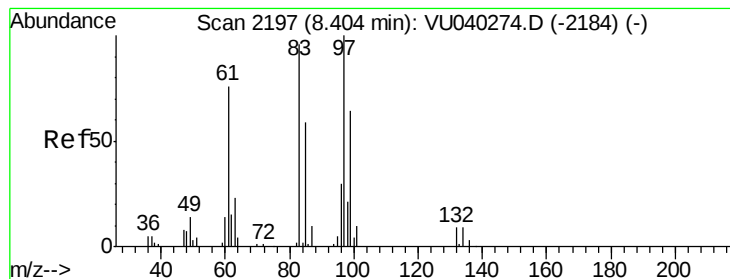
5000

0

Time-->

8.10 8.20 8.30





#45

1,1,2-Trichloroethane

Concen: 1.229 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD001102

Tot Ion: 97 Resp: 13607

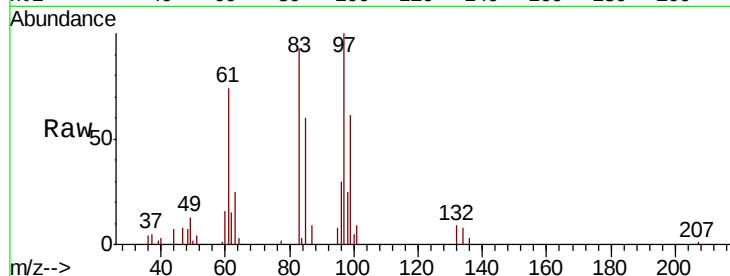
Ion Ratio Lower Upper

97 100

99 60.7 44.9 83.3

83 92.8 67.3 124.9

85 60.0 41.5 77.1

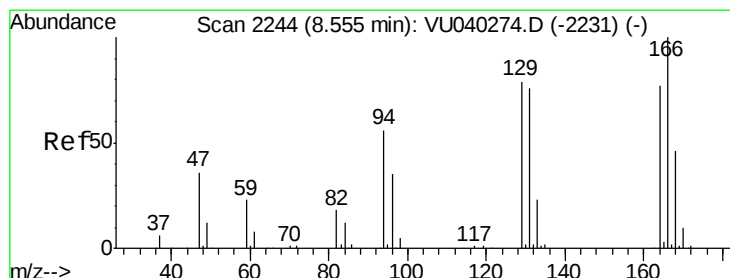
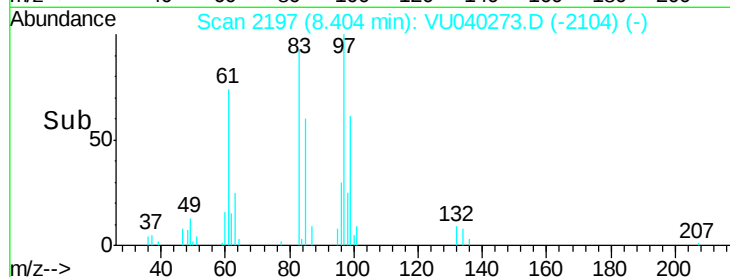
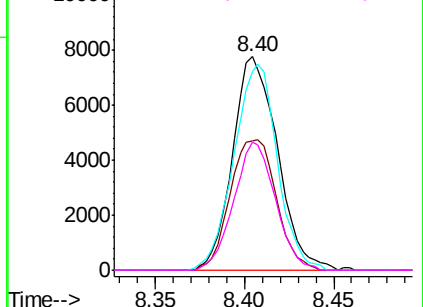


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 1.045 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Tgt Ion: 164 Resp: 13114

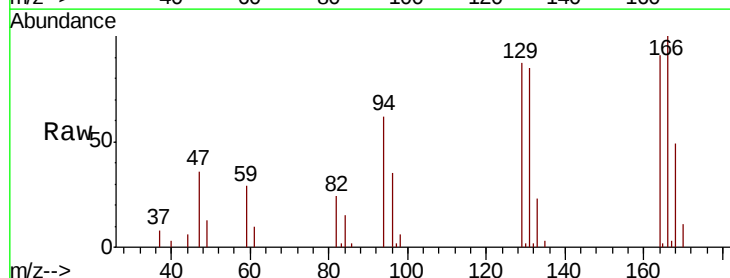
Ion Ratio Lower Upper

164 100

129 95.3 71.5 132.7

131 93.3 69.1 128.3

166 109.9 90.9 168.9

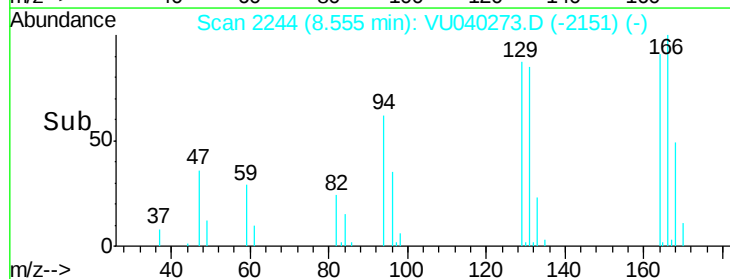
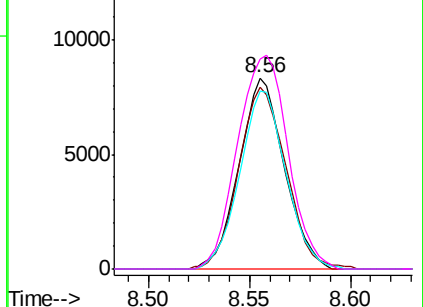


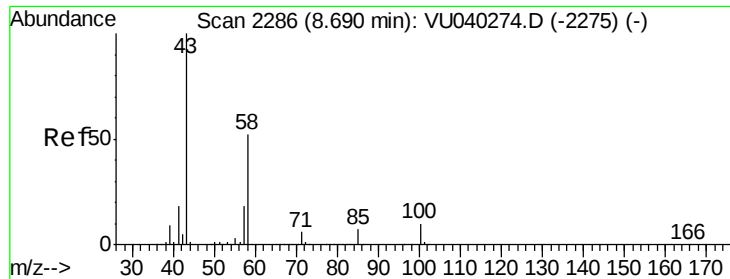
Abundance Ion 163.90 (163.60 to 164.60): V

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

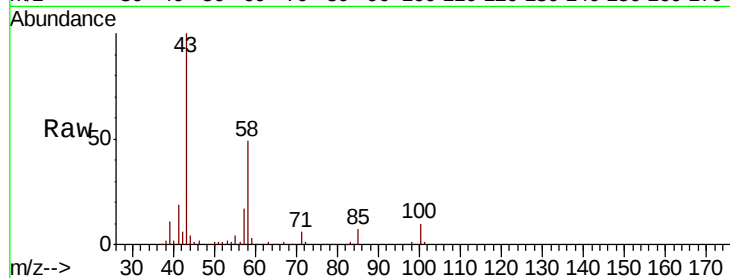




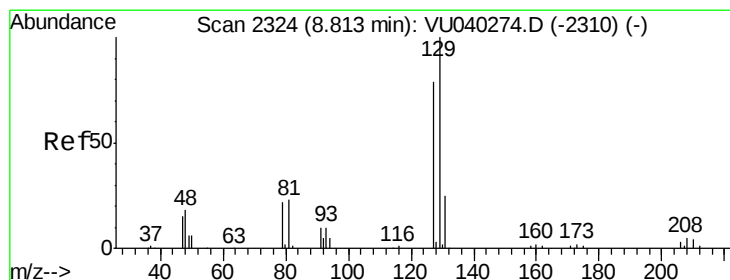
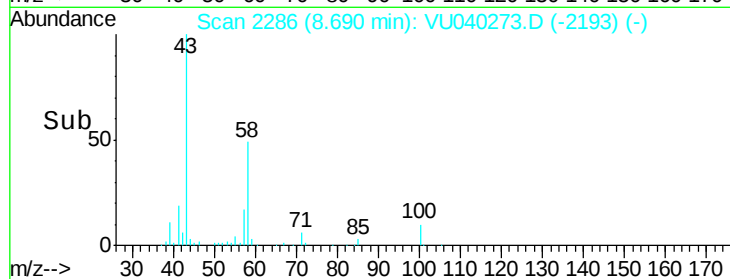
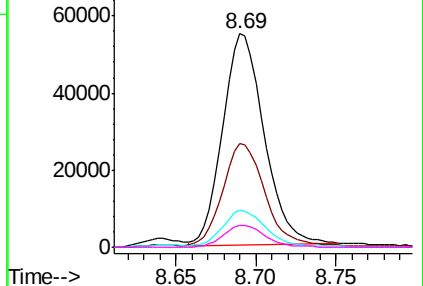
#48
2-Hexanone
Concen: 14.327 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040273.D
Acq: 24 Sep 2020 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD001102

Tot Ion:	43	Resp:	97247
Ion	Ratio	Lower	Upper
43	100		
58	50.5	39.9	59.9
57	17.7	13.8	20.8
100	10.5	7.9	11.9

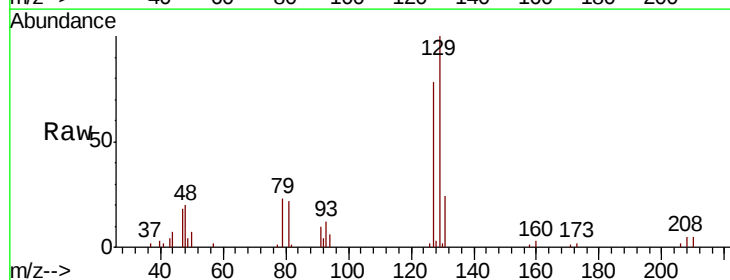


Abundance Ion 43.05 (42.75 to 43.75): VU040273.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040273.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040273.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040273.D (-2193) (-)

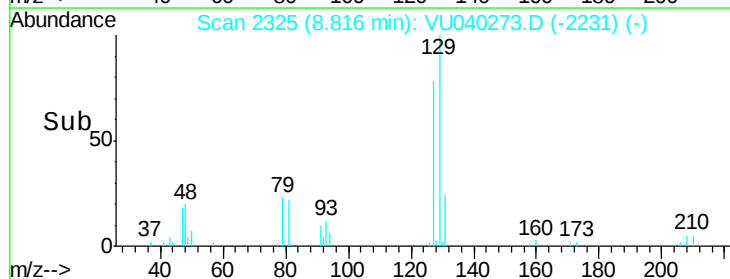
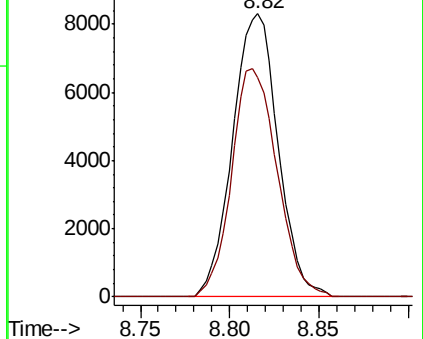


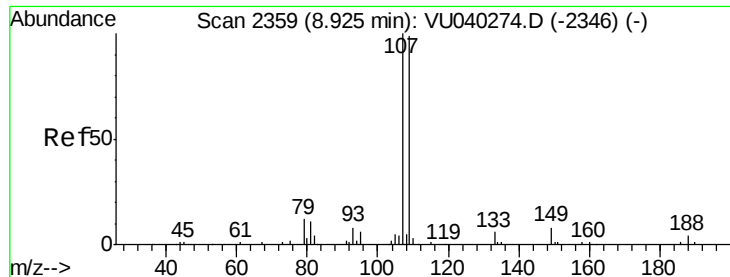
#49
Dibromochloromethane
Concen: 1.161 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040273.D
Acq: 24 Sep 2020 15:54

Tgt Ion:	129	Resp:	14811
Ion	Ratio	Lower	Upper
129	100		
127	77.6	55.0	102.2



Abundance Ion 128.95 (128.65 to 129.65): VU040273.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU040273.D (-2231) (-)





#50

1,2-Dibromoethane

Concen: 1.164 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD001102

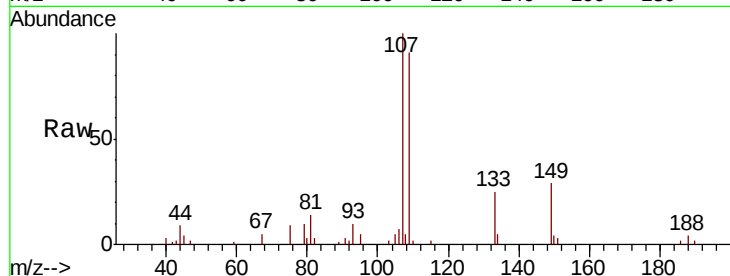
Tot Ion:107 Resp: 12640

Ion Ratio Lower Upper

107 100

109 91.3 69.4 129.0

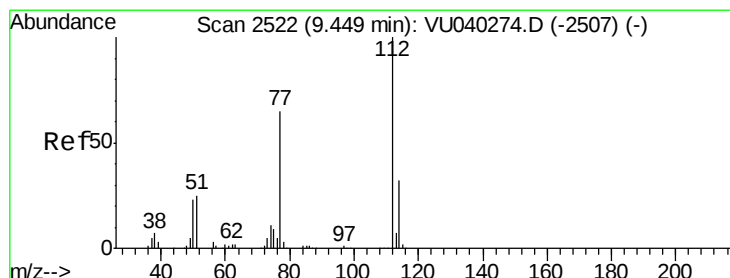
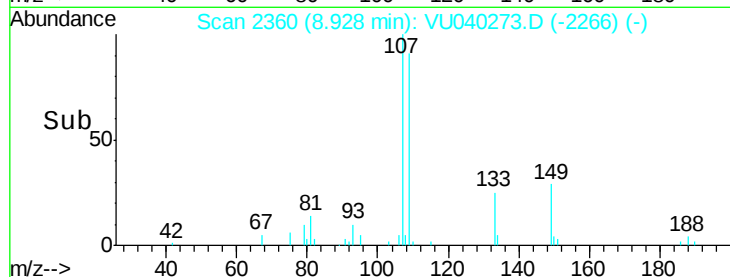
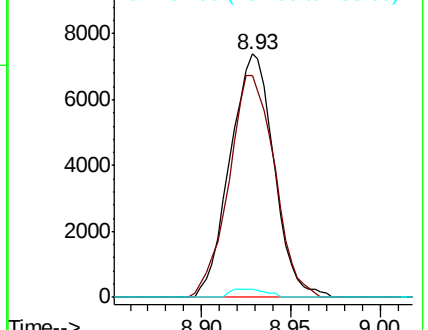
188 3.6 2.9 4.3



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: 1.079 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

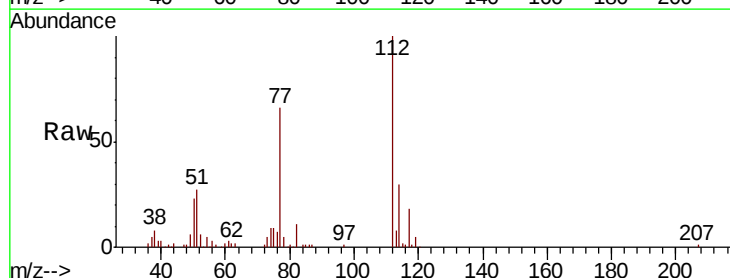
Tgt Ion:112 Resp: 44988

Ion Ratio Lower Upper

112 100

114 30.0 22.7 42.3

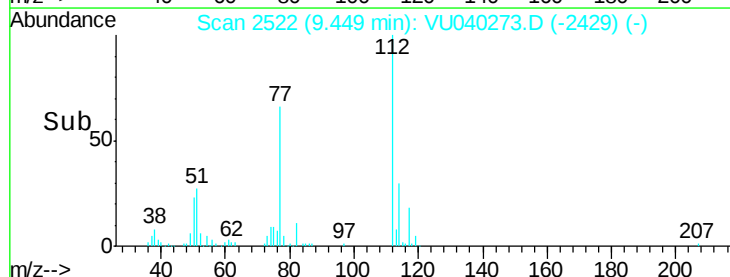
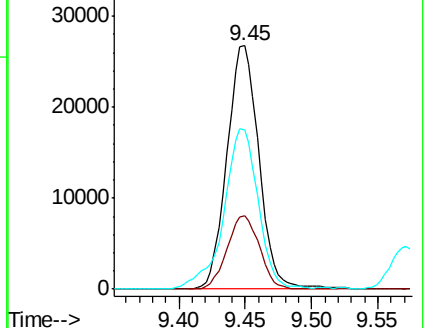
77 65.5 52.0 78.0

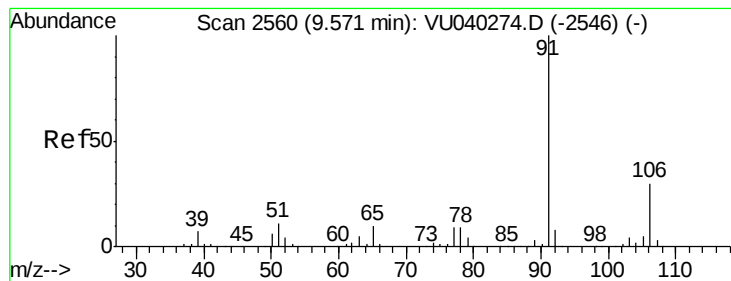


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 1.050 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Instrument :

MSVOA_U

ClientSampled :

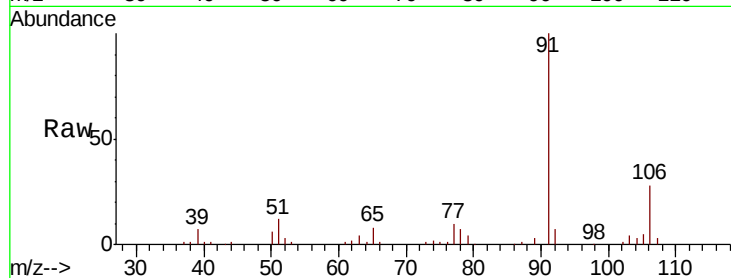
VSTD001102

Tot Ion: 91 Resp: 74866

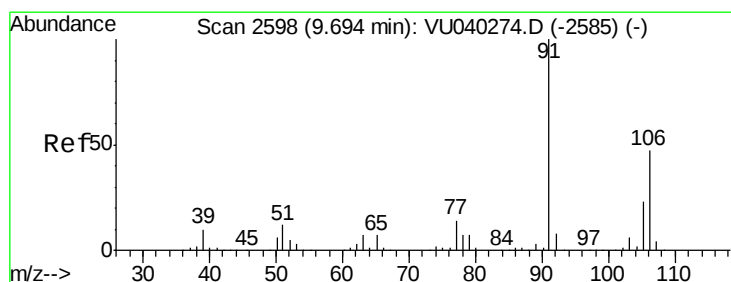
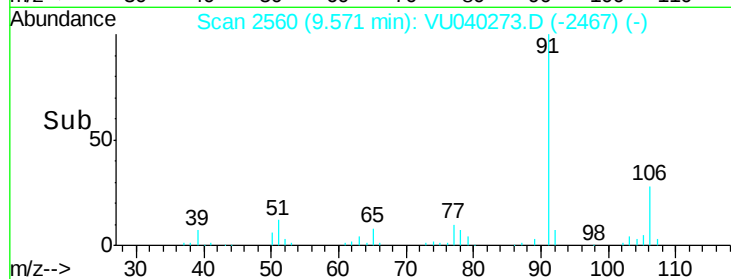
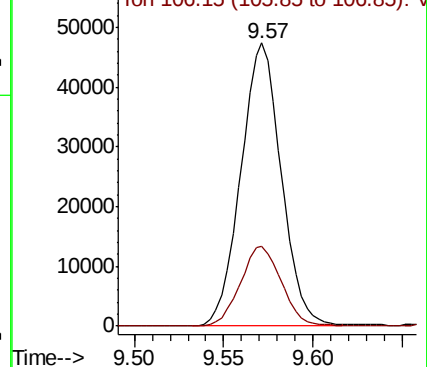
Ion Ratio Lower Upper

91 100

106 28.1 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU040273.D (-2505) (-)



#53

m,p-Xylene

Concen: 0.921 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040273.D

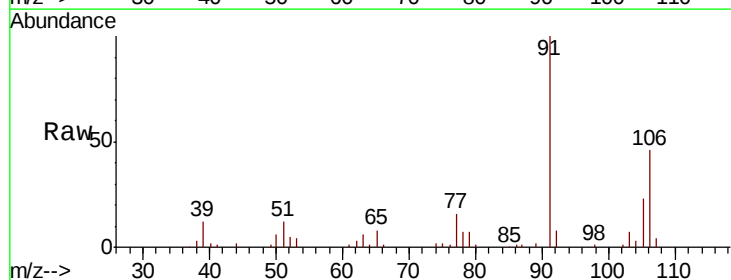
Acq: 24 Sep 2020 15:54

Tgt Ion: 106 Resp: 25153

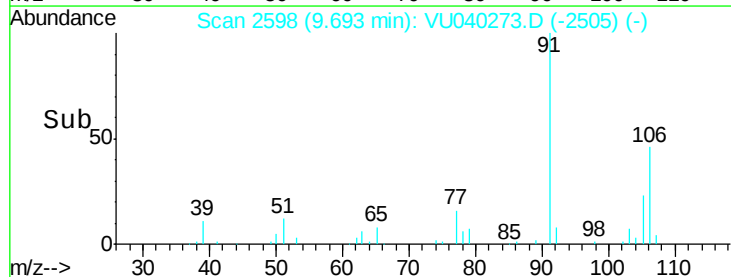
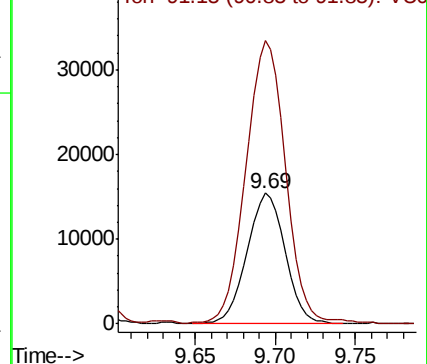
Ion Ratio Lower Upper

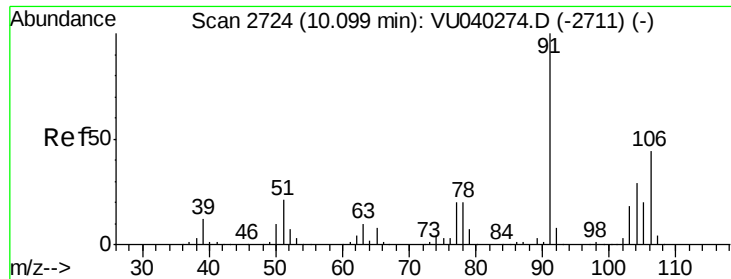
106 100

91 216.0 150.4 279.2



Abundance Ion 106.15 (105.85 to 106.85): VU040273.D (-2505) (-)

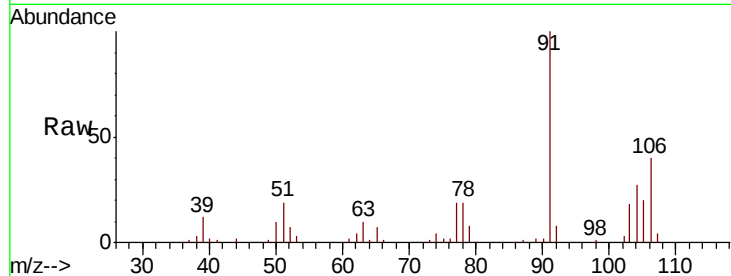




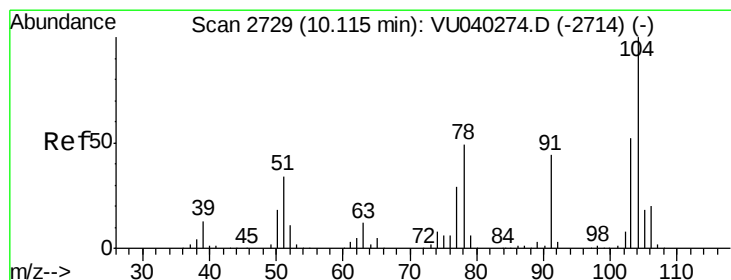
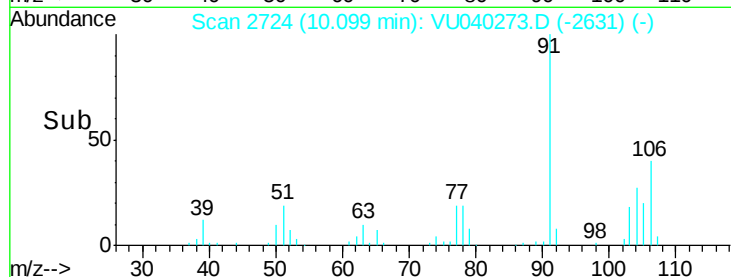
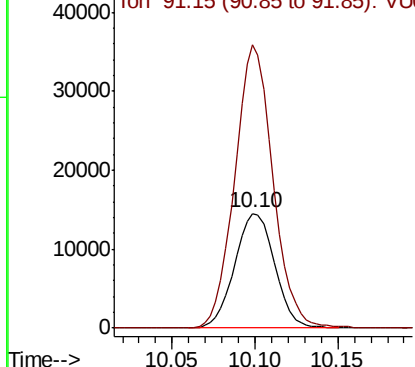
#54
o-Xylene
Concen: 0.917 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040273.D
Acq: 24 Sep 2020 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD001102

Tot Ion:106 Resp: 24430
Ion Ratio Lower Upper
106 100
91 246.9 160.5 298.1

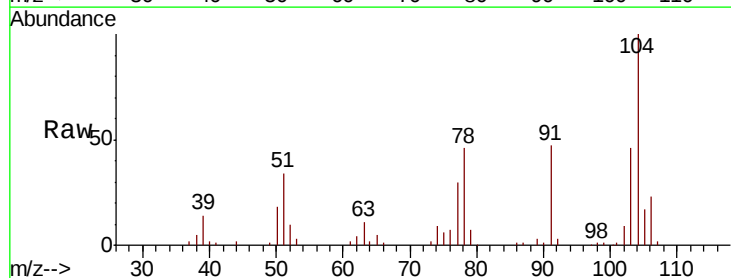


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

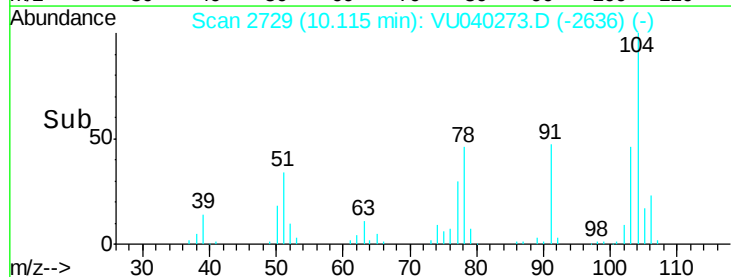
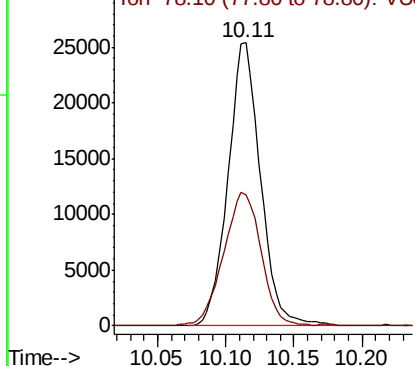


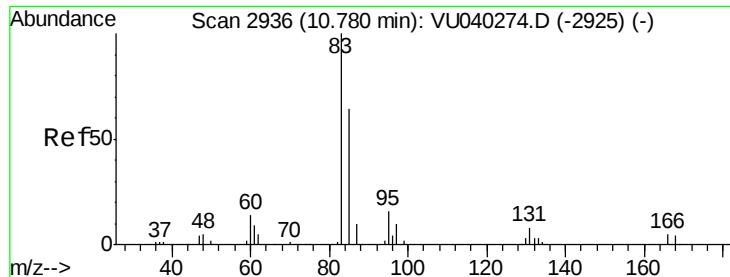
#55
Styrene
Concen: 0.949 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040273.D
Acq: 24 Sep 2020 15:54

Tgt Ion:104 Resp: 42079
Ion Ratio Lower Upper
104 100
78 46.3 34.6 64.3



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

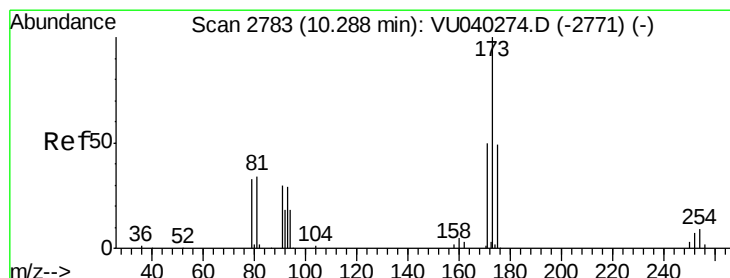
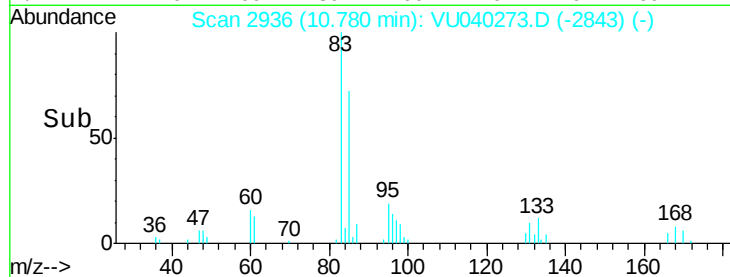
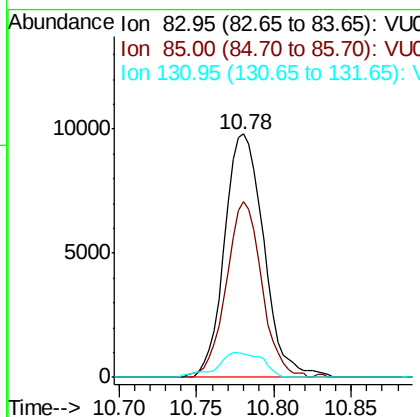
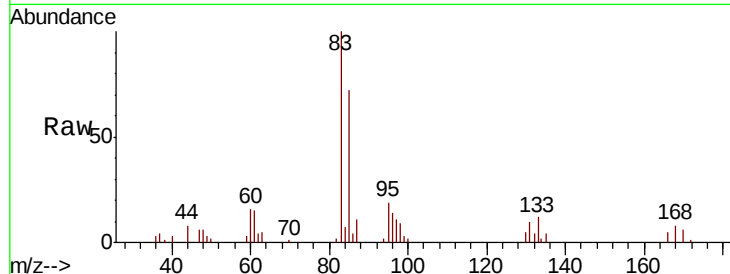




#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.215 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU040273.D
 Acq: 24 Sep 2020 15:54

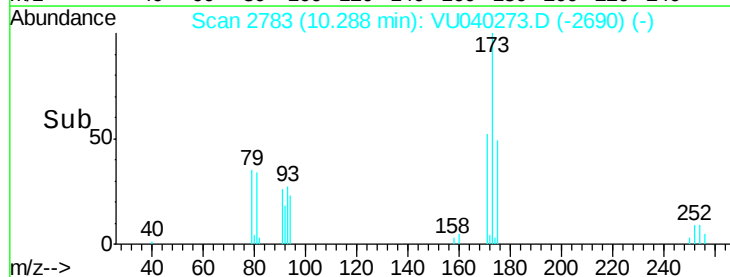
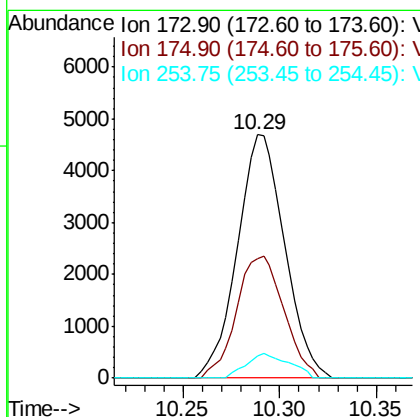
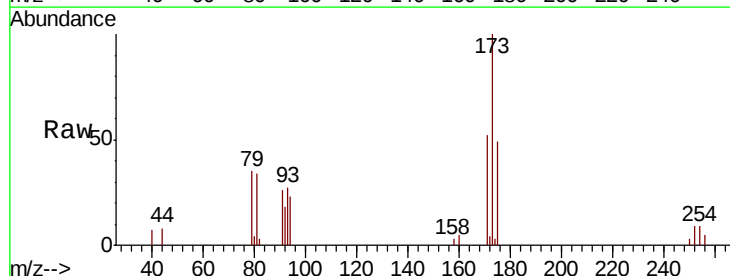
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001102

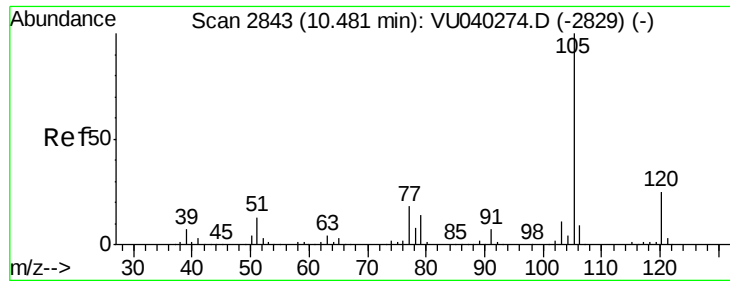
Tot Ion: 83 Resp: 17247
 Ion Ratio Lower Upper
 83 100
 85 72.2 45.5 84.5
 131 9.5 7.4 11.2



#59
 Bromoform
 Concen: 1.111 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU040273.D
 Acq: 24 Sep 2020 15:54

Tgt Ion: 173 Resp: 7974
 Ion Ratio Lower Upper
 173 100
 175 49.9 39.0 58.6
 254 9.2 7.1 10.7





#60

Isopropylbenzene

Concen: 0.950 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD001102

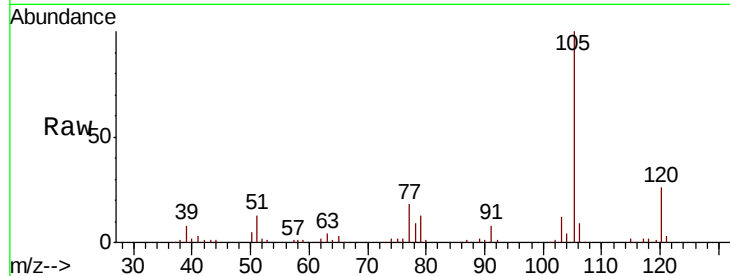
Tot Ion:105 Resp: 66800

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

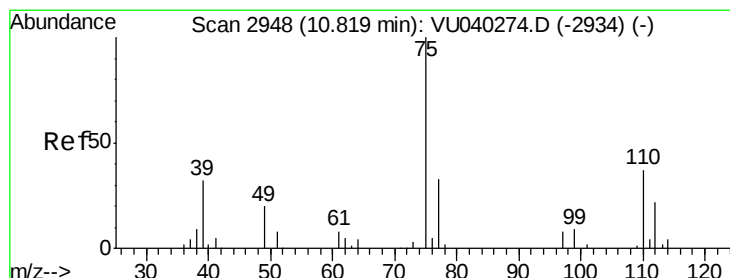
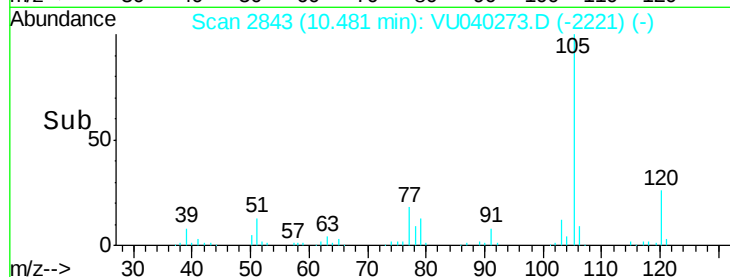
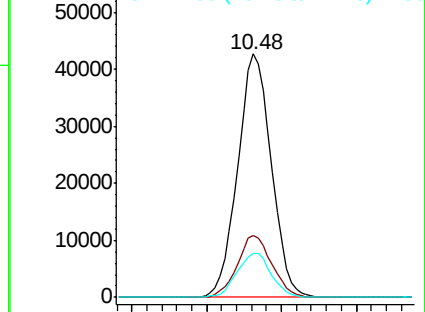
77 18.4 14.2 21.2



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): V



#61

1,2,3-Trichloropropane

Concen: 1.318 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

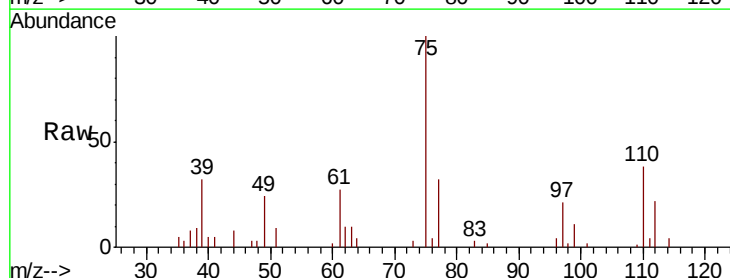
Tgt Ion: 75 Resp: 13494

Ion Ratio Lower Upper

75 100

110 37.8 29.3 43.9

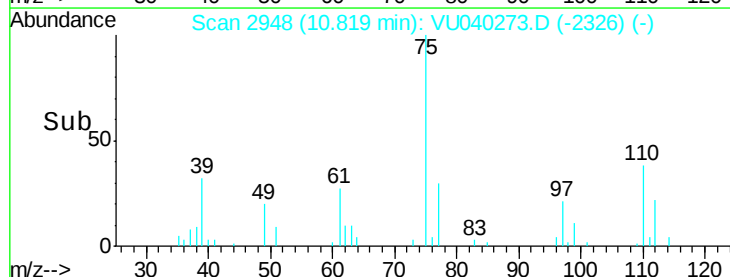
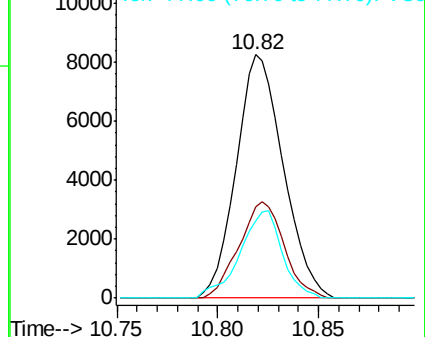
77 32.3 25.9 38.9

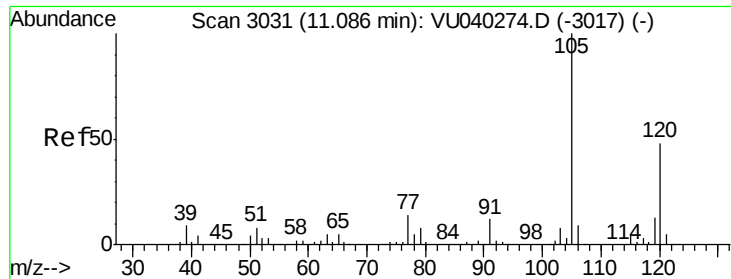


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): V





#62

1,3,5-Trimethylbenzene

Concen: 0.821 ug/L

RT: 11.08 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

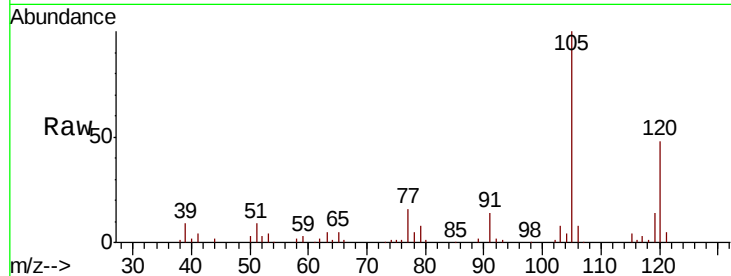
VSTD001102

Tot Ion:105 Resp: 49047

Ion Ratio Lower Upper

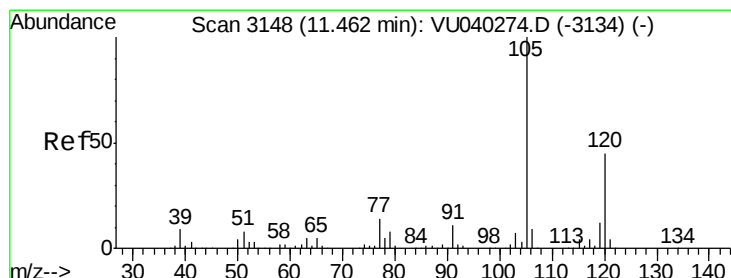
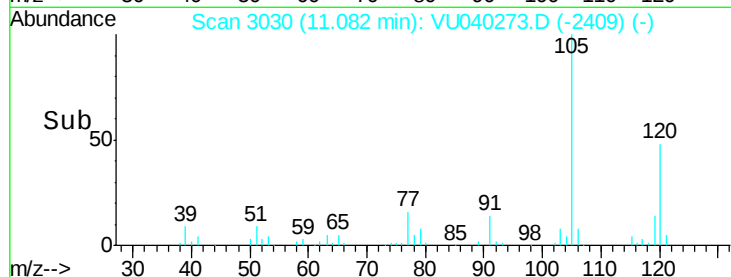
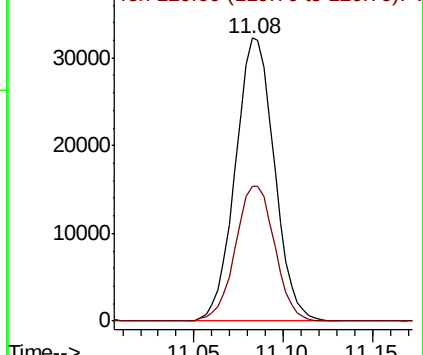
105 100

120 48.3 37.8 56.8



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: 0.849 ug/L

RT: 11.46 min Scan# 3148

Delta R.T. -0.00 min

Lab File: VU040273.D

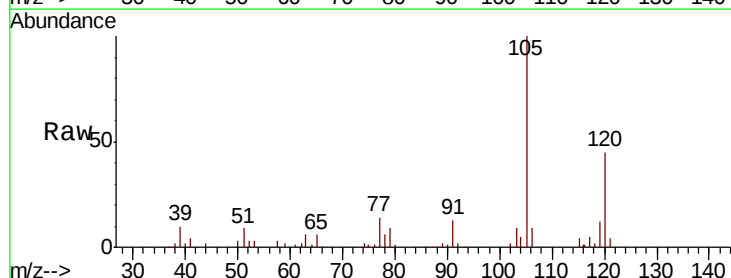
Acq: 24 Sep 2020 15:54

Tgt Ion:105 Resp: 50597

Ion Ratio Lower Upper

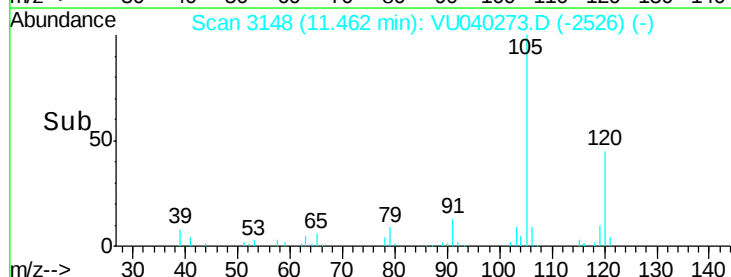
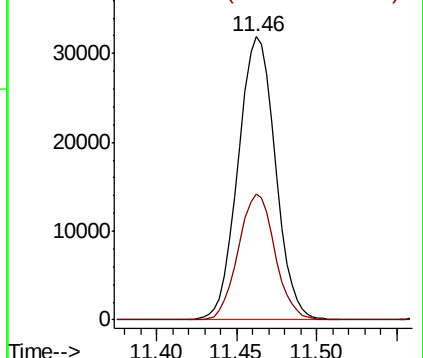
105 100

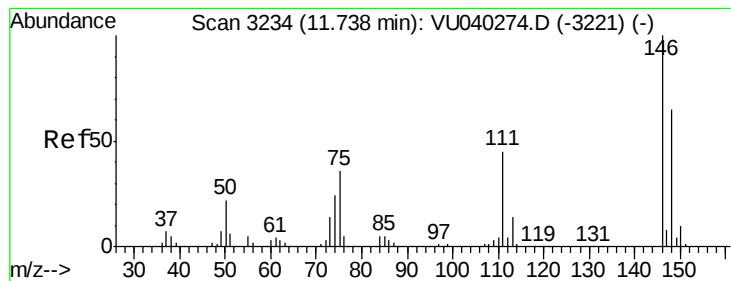
120 43.6 36.0 54.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 1.043 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Instrument :

MSVOA_U

ClientSampled :

VSTD001102

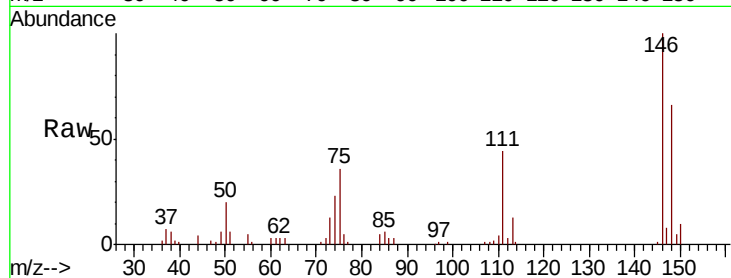
Tot Ion:146 Resp: 34325

Ion Ratio Lower Upper

146 100

111 44.4 31.6 58.8

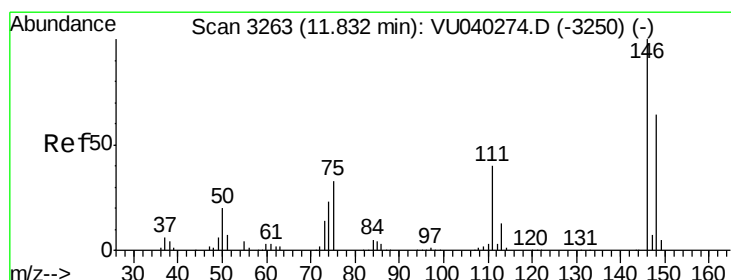
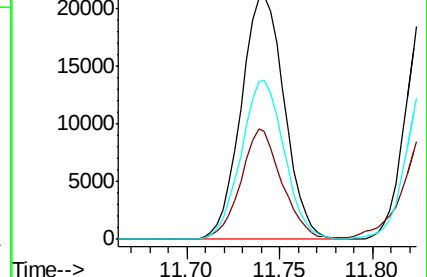
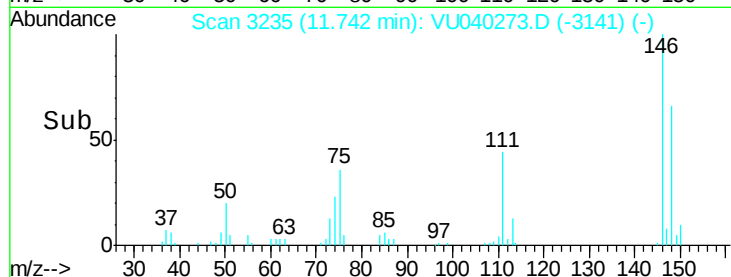
148 65.6 45.1 83.9



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

1,4-Dichlorobenzene

Concen: 1.099 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

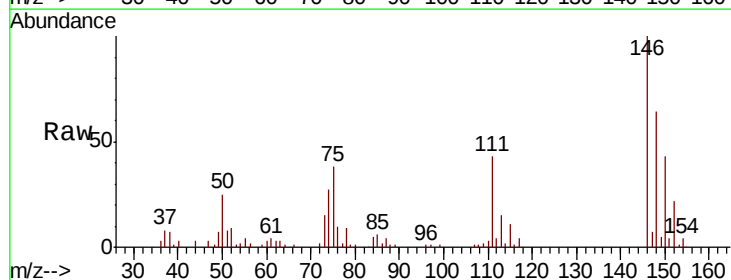
Tgt Ion:146 Resp: 36444

Ion Ratio Lower Upper

146 100

111 42.9 28.2 52.4

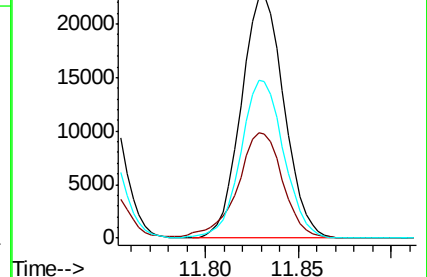
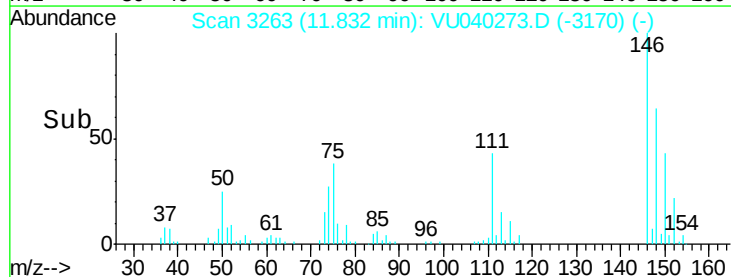
148 64.2 45.2 84.0

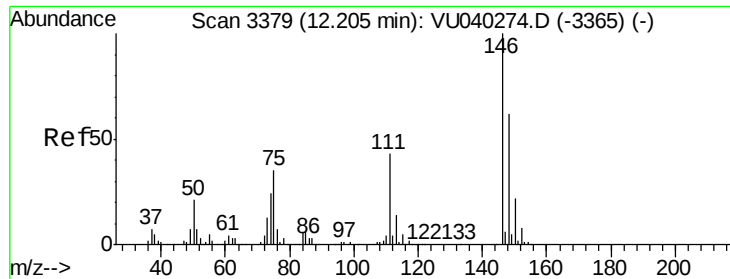


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

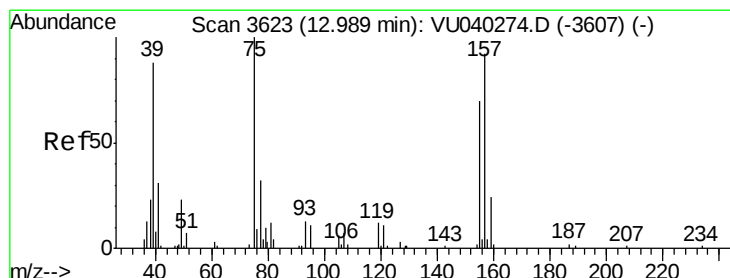
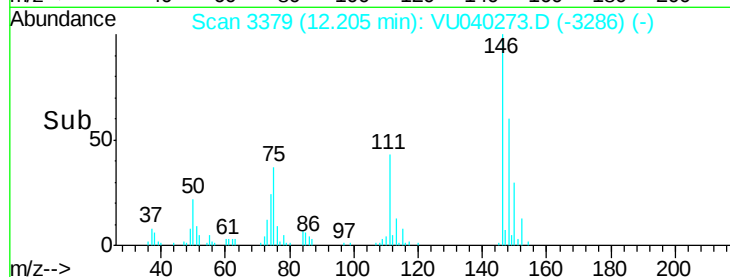
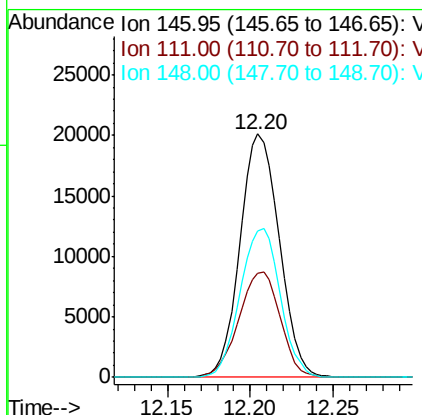
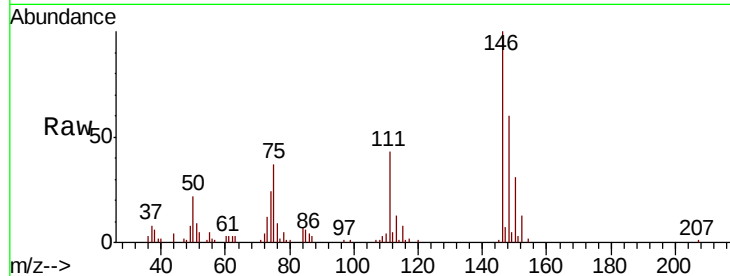




#67
 1,2-Dichlorobenzene
 Concen: 1.052 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040273.D
 Acq: 24 Sep 2020 15:54

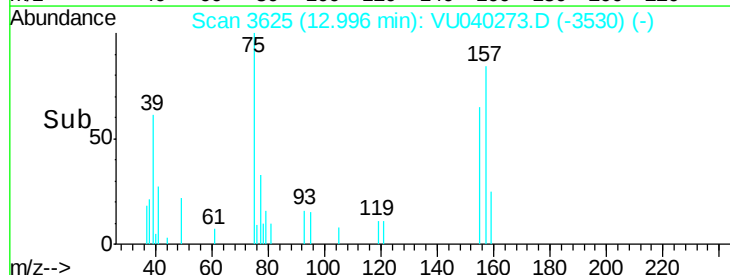
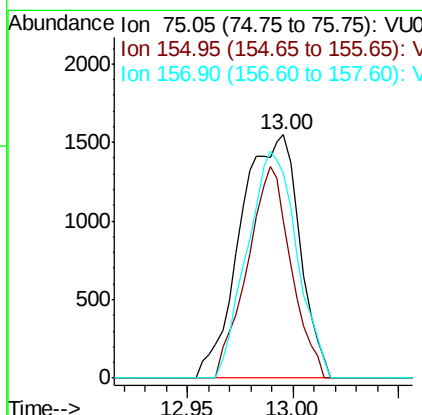
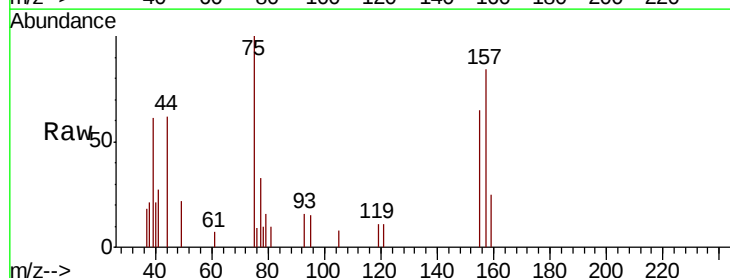
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001102

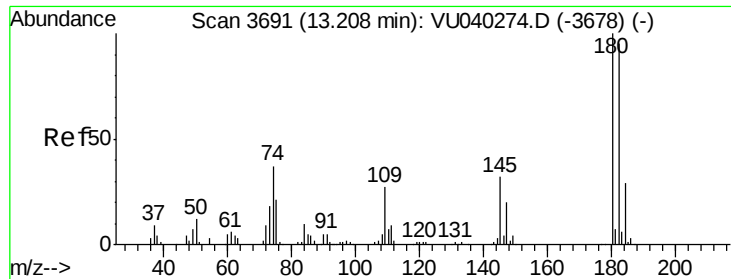
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	34.2	51.4
148	60.2	49.4	74.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.364 ug/L
 RT: 13.00 min Scan# 3625
 Delta R.T. 0.01 min
 Lab File: VU040273.D
 Acq: 24 Sep 2020 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.8	56.3	84.5
157	84.1	73.5	110.3

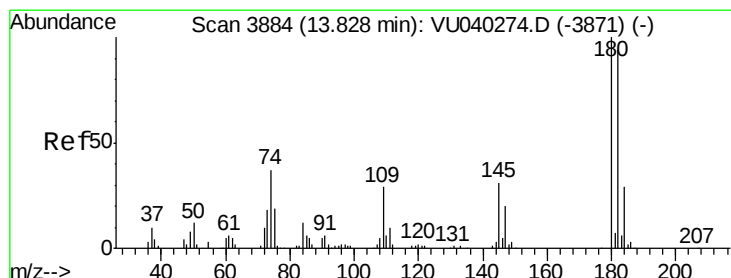
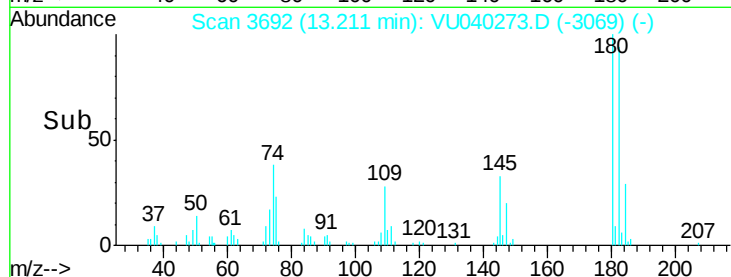
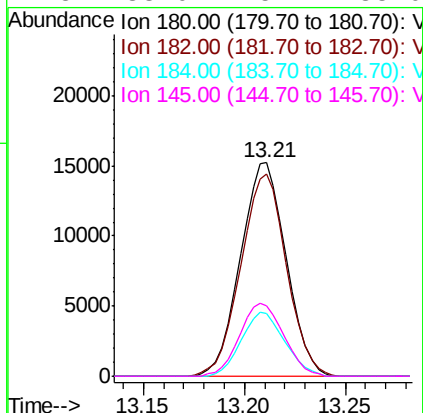
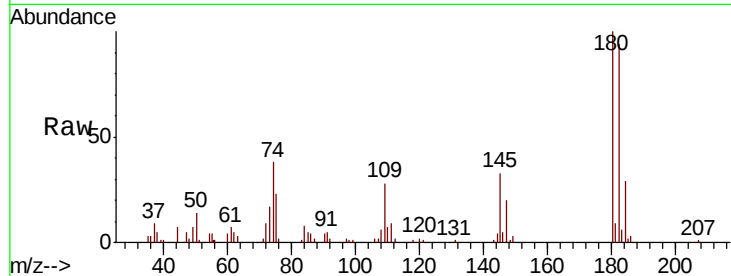




#69
 1,3,5-Trichlorobenzene
 Concen: 0.974 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040273.D
 Acq: 24 Sep 2020 15:54

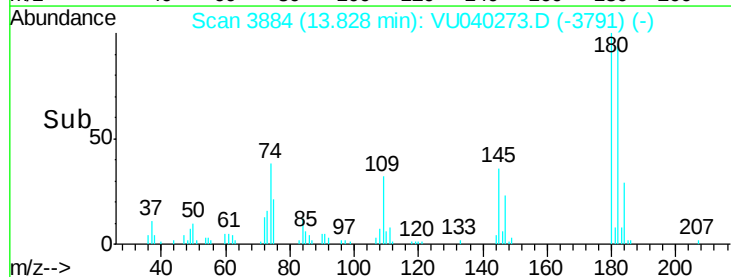
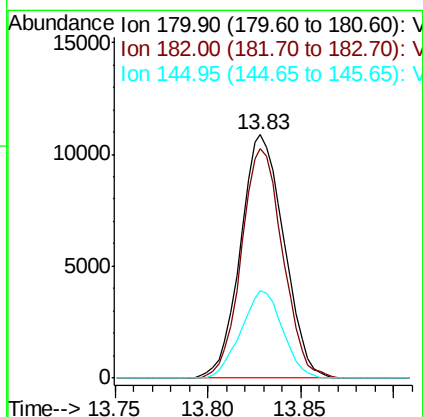
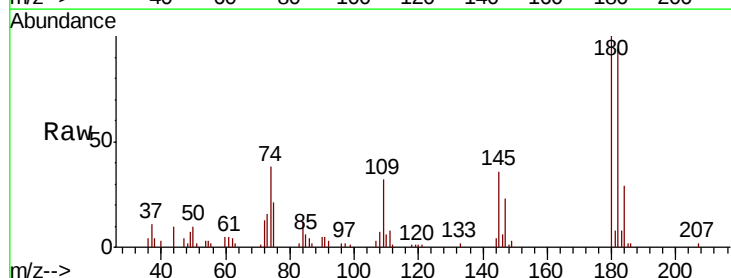
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001102

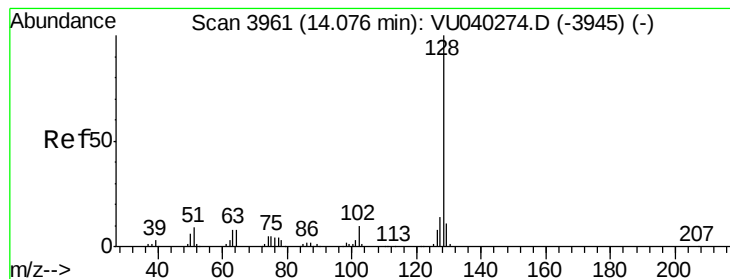
Tot Ion:180 Resp: 24094
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.8 113.6
 184 28.4 23.7 35.5
 145 33.0 25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 0.960 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040273.D
 Acq: 24 Sep 2020 15:54

Tgt Ion:180 Resp: 17671
 Ion Ratio Lower Upper
 180 100
 182 89.9 76.3 114.5
 145 34.3 25.9 38.9





#71

Naphthalene

Concen: 0.935 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD001102

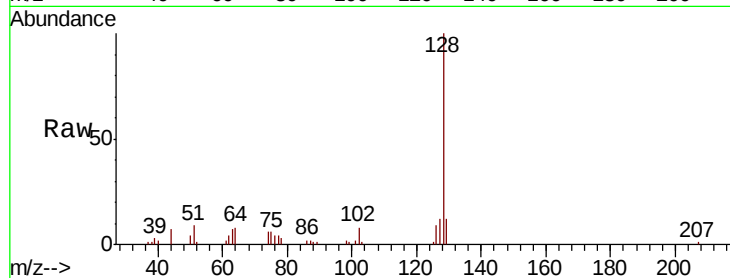
Tot Ion:128 Resp: 25661

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

127 12.3 10.6 15.8



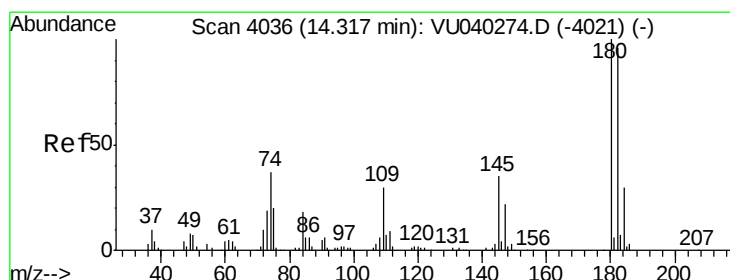
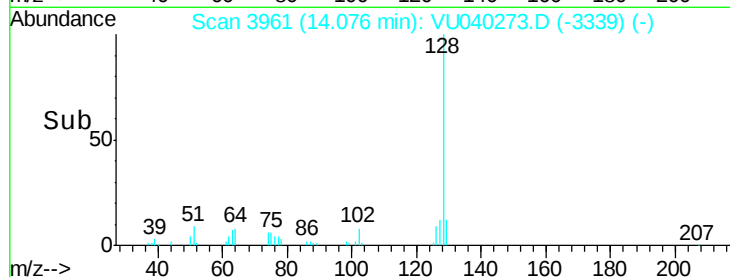
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

14.08

Time-->



#72

1,2,3-Trichlorobenzene

Concen: 0.951 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040273.D

Acq: 24 Sep 2020 15:54

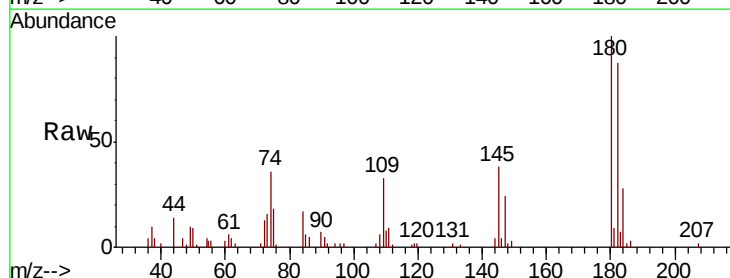
Tgt Ion:180 Resp: 15774

Ion Ratio Lower Upper

180 100

182 92.4 78.0 117.0

145 36.7 28.6 42.8



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

14.32

Time-->

