

Data File : VU041385.D
Acq On : 23 Nov 2020 13:30
Operator : SY/MD
Sample : VSTD02002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Quant Time: Nov 24 01:07:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 24 01:04:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	77006	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	78200	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42329	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	109034	19.73	ug/L	0.00
7) Chloroethane-d5	1.91	69	76373	16.83	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.57	63	206099	17.91	ug/L	0.00
20) 2-Butanone-d5	4.64	46	292489	138.93	ug/L	0.00
24) Chloroform-d	5.08	84	222788	18.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	126543	16.56	ug/L	0.00
32) Benzene-d6	5.74	84	400191	19.53	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	118417	16.69	ug/L	0.00
41) Toluene-d8	7.91	98	390084	20.15	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	61032	20.11	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	222879	148.74	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	103465	15.23	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	140399	17.68	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	153221	23.155 ug/L	99
3) Chloromethane	1.53	50	129639	19.112 ug/L	98
5) Vinyl chloride	1.61	62	138640	20.846 ug/L	97
6) Bromomethane	1.85	94	61268	16.547 ug/L	100
8) Chloroethane	1.93	64	74126	17.336 ug/L	93
9) Trichlorofluoromethane	2.14	101	213005	20.398 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	104716	18.636 ug/L	94
12) 1,1-Dichloroethene	2.58	96	96582	19.370 ug/L	89
13) Acetone	2.63	43	173970	121.926 ug/L	100
14) Carbon disulfide	2.80	76	317609	20.952 ug/L	99
15) Methyl Acetate	2.96	43	42608	14.189 ug/L	95
16) Methylene chloride	3.06	84	110190	17.509 ug/L	100
17) Methyl tert-butyl Ether	3.38	73	274297	20.355 ug/L	99
18) trans-1,2-Dichloroethene	3.36	96	109474	22.175 ug/L	95
19) 1,1-Dichloroethane	3.88	63	214932	19.853 ug/L	99
21) 2-Butanone	4.72	43	326180	150.822 ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	118927	21.779 ug/L	93
23) Bromochloromethane	4.99	128	53096	19.644 ug/L	96
25) Chloroform	5.10	83	228083	19.415 ug/L	99
27) 1,2-Dichloroethane	5.81	62	156391	18.875 ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	205620	21.062 ug/L	99
30) Cyclohexane	5.40	56	199567	24.468 ug/L	99
31) Carbon tetrachloride	5.54	117	185152	21.813 ug/L	98
33) Benzene	5.79	78	465778	21.859 ug/L	100
34) Trichloroethene	6.55	95	116783	20.108 ug/L	95
35) Methylcyclohexane	6.77	83	188615	23.741 ug/L	97
37) 1,2-Dichloropropane	6.80	63	113615	18.432 ug/L	97
38) Bromodichloromethane	7.11	83	164362	20.176 ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	186430	21.701 ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	812205	169.012 ug/L	98

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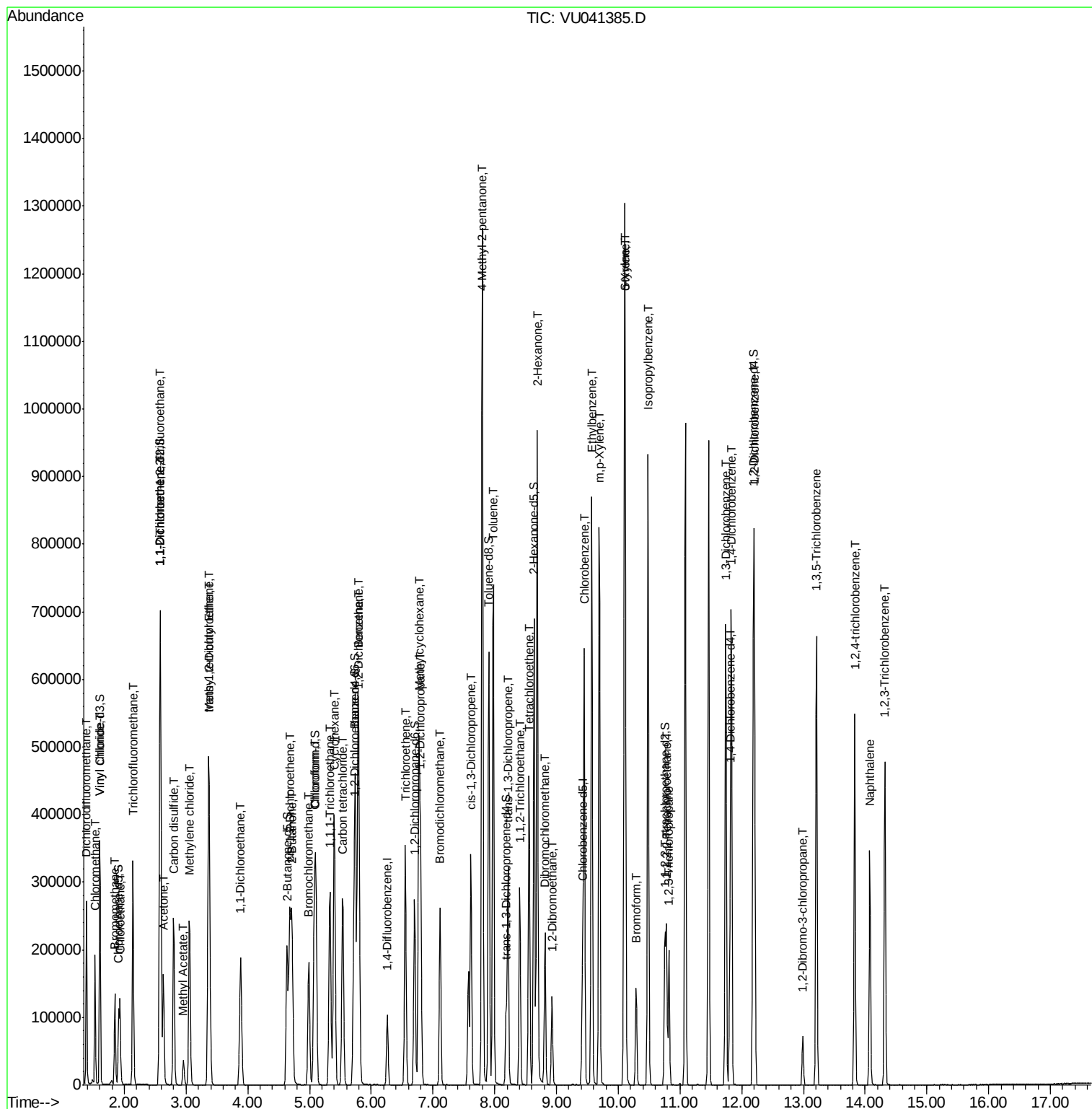
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	506568	22.244	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	168370	20.875	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	83283	17.976	ug/L	96
47) Tetrachloroethene	8.56	164	91864	21.457	ug/L	98
48) 2-Hexanone	8.69	43	587915	165.536	ug/L	98
49) Dibromochloromethane	8.82	129	110651	19.899	ug/L	97
50) 1,2-Dibromoethane	8.93	107	81721	18.895	ug/L #	98
51) Chlorobenzene	9.45	112	312269	20.759	ug/L	98
52) Ethylbenzene	9.57	91	574556	23.404	ug/L	99
53) m,p-Xylene	9.69	106	212619	23.933	ug/L	95
54) o-Xylene	10.10	106	204415	24.032	ug/L	97
55) Styrene	10.11	104	358162	23.984	ug/L	100
56) Isopropylbenzene	10.48	105	570588	24.943	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	106473	17.263	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	78534	16.533	ug/L	97
61) Bromoform	10.29	173	62535	16.670	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	255118	20.004	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	256009	19.602	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	237585	19.105	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	18726	16.531	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	186778	20.754	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	152236	20.668	ug/L	99
69) Naphthalene	14.08	128	257810	21.704	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	135461	19.686	ug/L	100

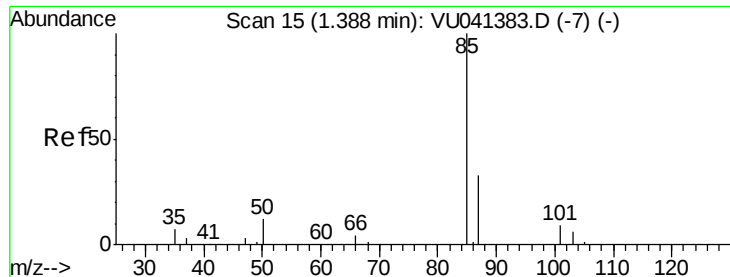
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.155 ug/L

RT: 1.39 min Scan# 14

Delta R.T. -0.00 min

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Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

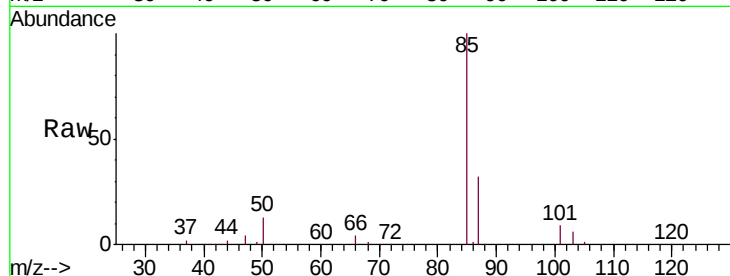
VSTD02002

Tgt Ion: 85 Resp: 153221

Ion Ratio Lower Upper

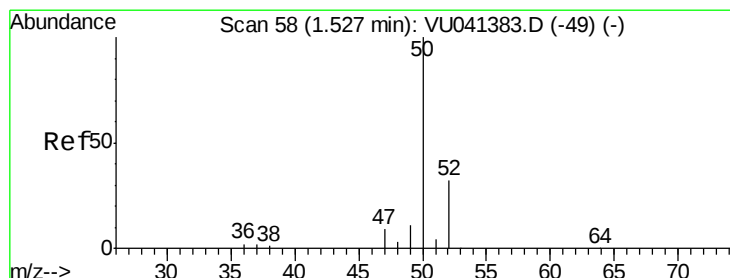
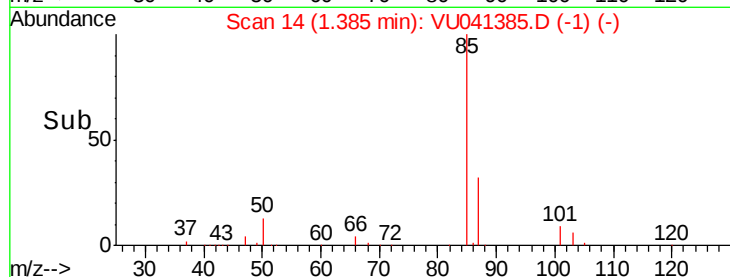
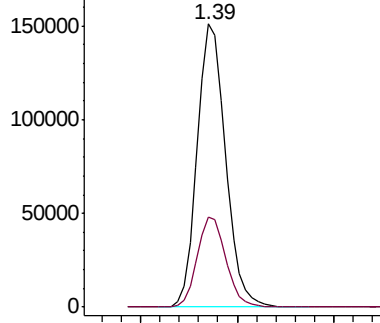
85 100

87 32.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 19.112 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041385.D

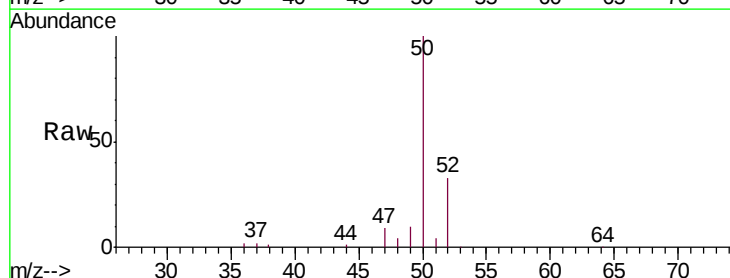
Acq: 23 Nov 2020 13:30

Tgt Ion: 50 Resp: 129639

Ion Ratio Lower Upper

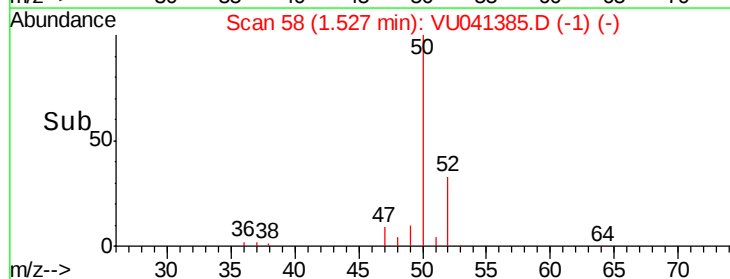
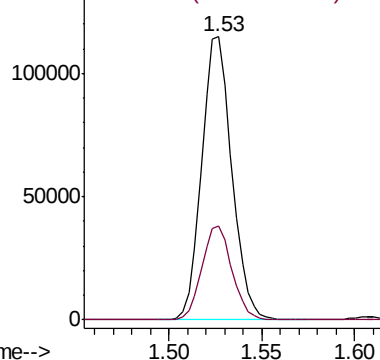
50 100

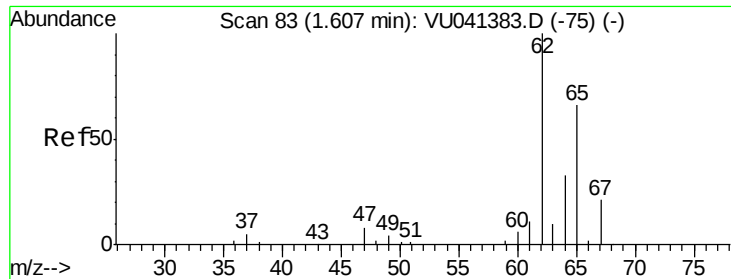
52 33.2 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 20.846 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041385.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

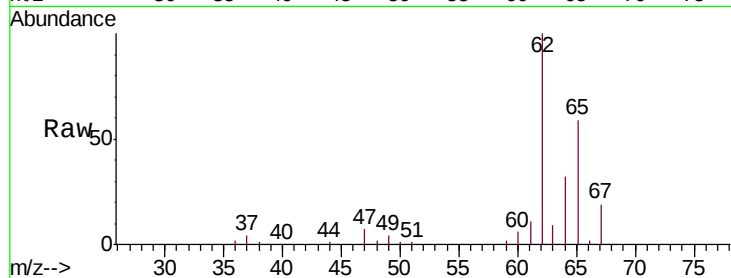
VSTD02002

Tgt Ion: 62 Resp: 138640

Ion Ratio Lower Upper

62 100

64 32.2 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

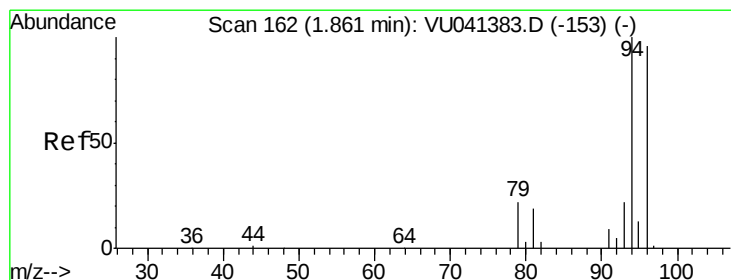
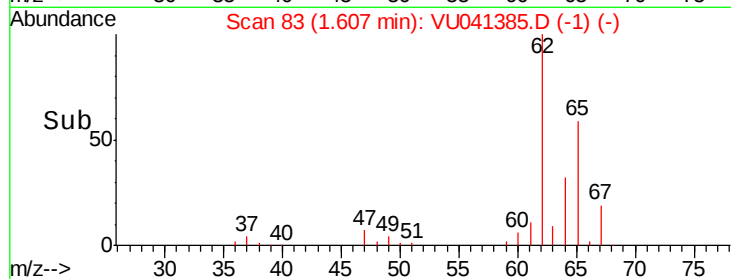
150000

100000

50000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 16.547 ug/L

RT: 1.85 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU041385.D

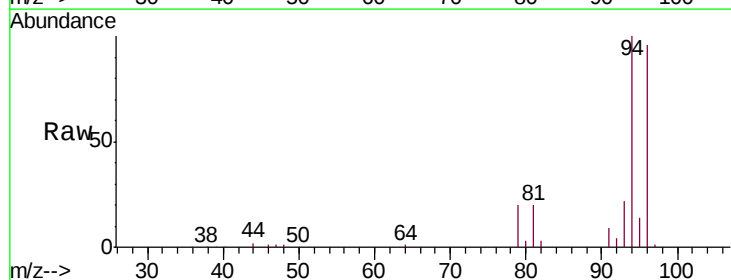
Acq: 23 Nov 2020 13:30

Tgt Ion: 94 Resp: 61268

Ion Ratio Lower Upper

94 100

96 96.1 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.85

50000

40000

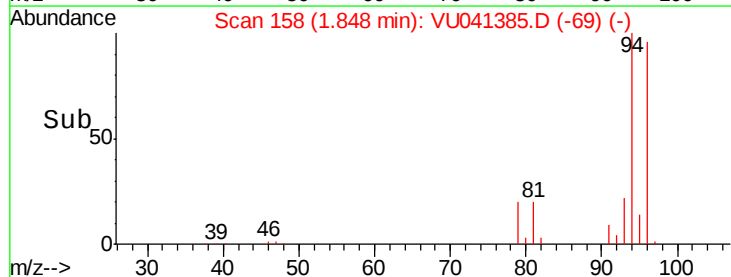
30000

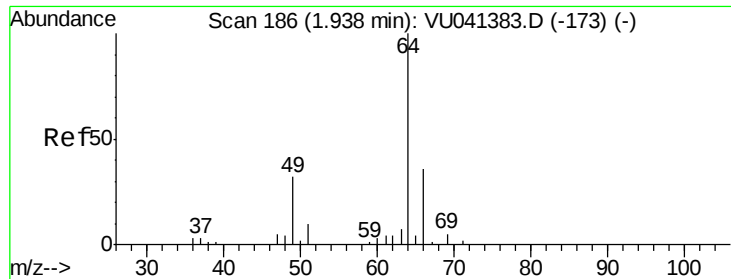
20000

10000

0

Time--> 1.80 1.85 1.90 1.95

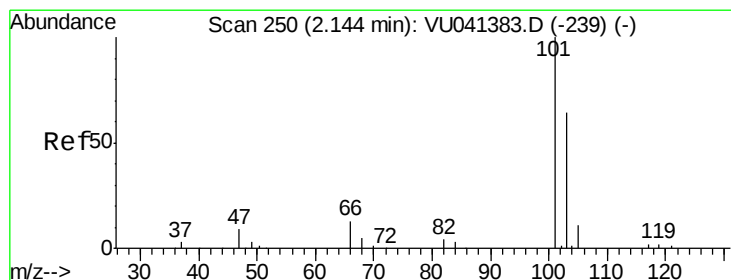
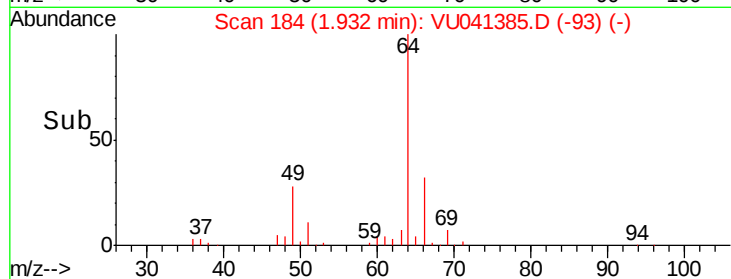
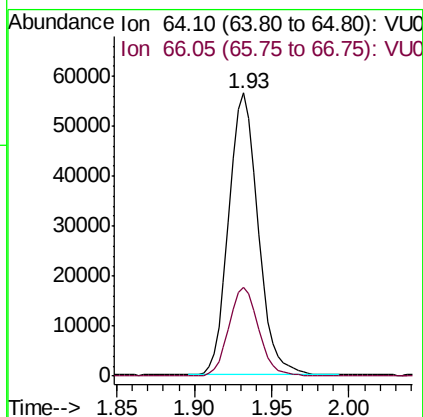
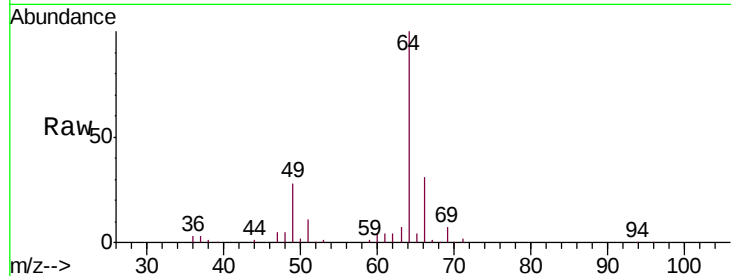




#8
Chloroethane
Concen: 17.336 ug/L
RT: 1.93 min Scan# 184
Delta R.T. -0.01 min
Lab File: VU041385.D
Acq: 23 Nov 2020 13:30

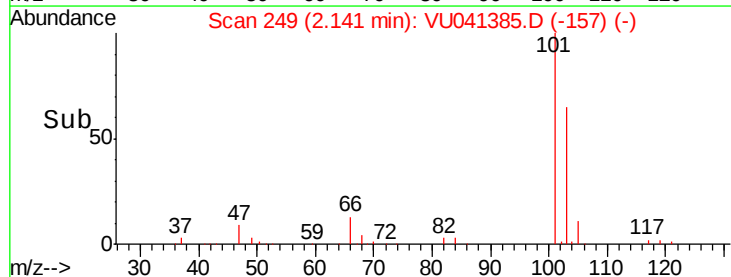
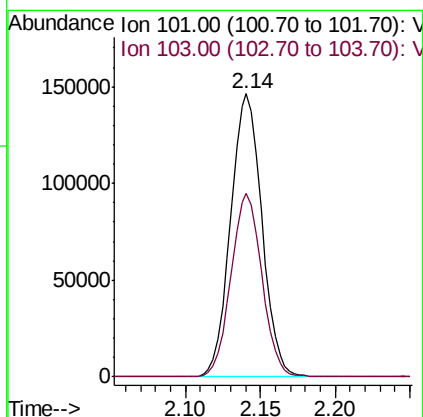
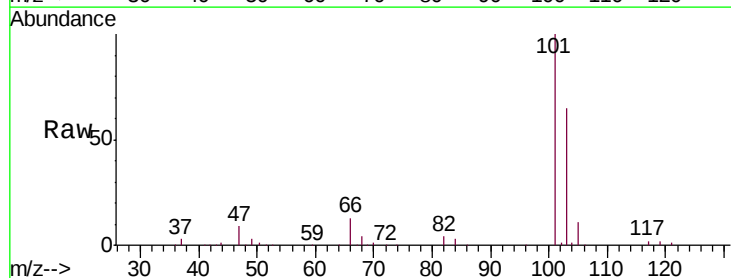
Instrument :
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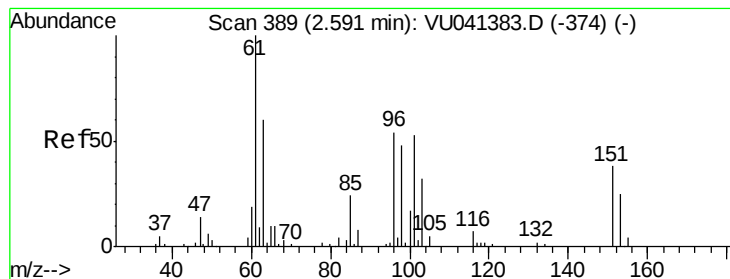
Tgt Ion: 64 Resp: 74126
Ion Ratio Lower Upper
64 100
66 31.4 24.6 45.8



#9
Trichlorofluoromethane
Concen: 20.398 ug/L
RT: 2.14 min Scan# 249
Delta R.T. -0.00 min
Lab File: VU041385.D
Acq: 23 Nov 2020 13:30

Tgt Ion: 101 Resp: 213005
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.2





#10

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

Concen: 18.636 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041385.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

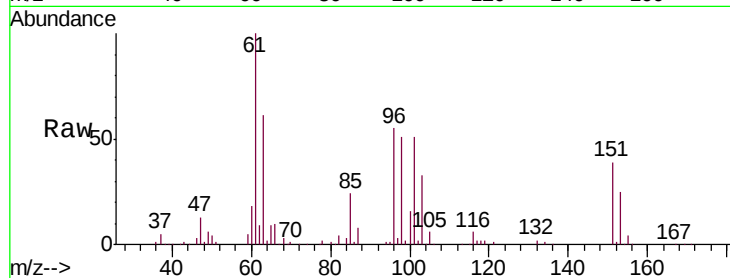
Tgt Ion: 101 Resp: 104716

Ion Ratio Lower Upper

101 100

85 47.0 35.1 52.7

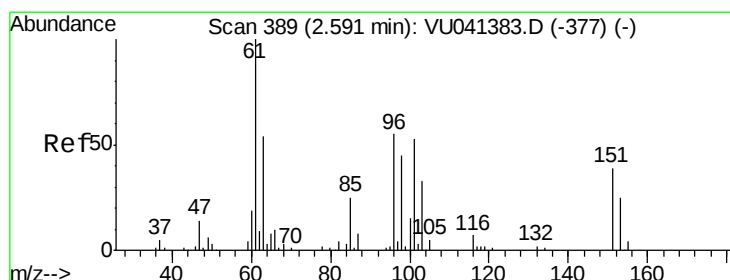
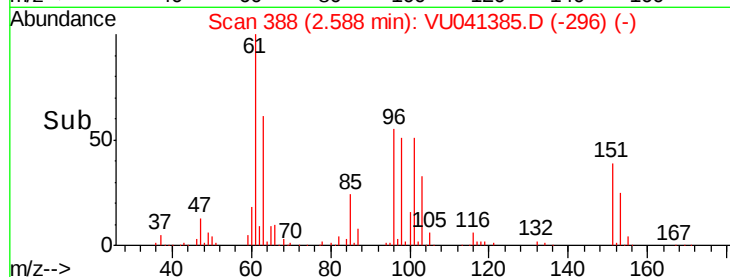
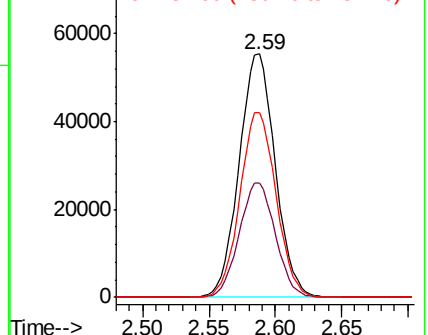
151 76.1 56.2 84.2



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: 19.370 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041385.D

Acq: 23 Nov 2020 13:30

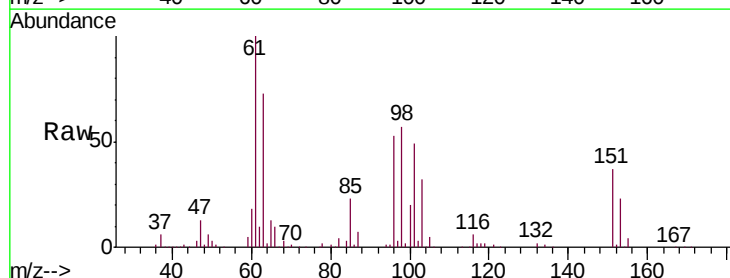
Tgt Ion: 96 Resp: 96582

Ion Ratio Lower Upper

96 100

61 189.3 129.8 241.2

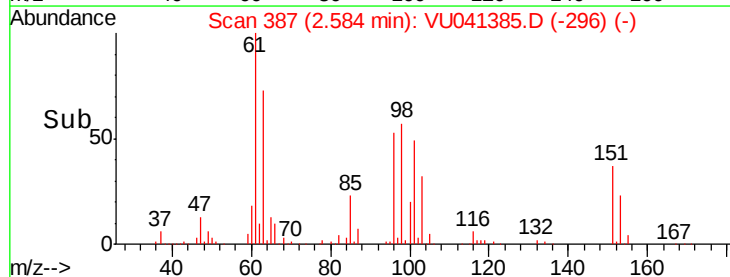
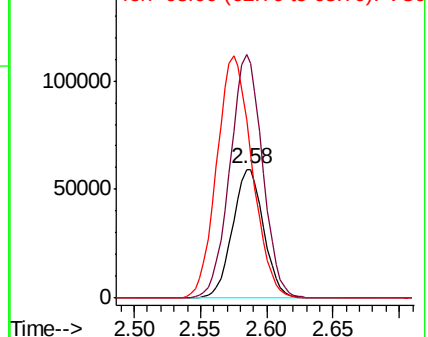
63 138.6 79.2 147.0

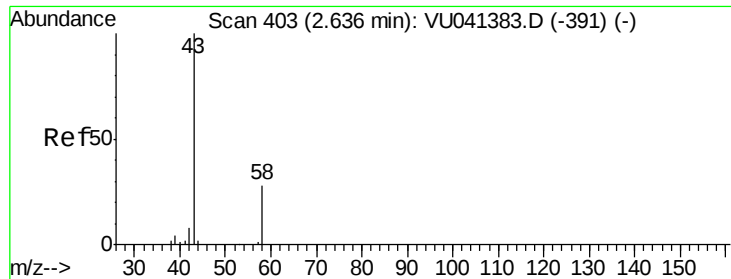


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 121.926 ug/L

RT: 2.63 min Scan# 402

Delta R.T. -0.00 min

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ClientSampleId :

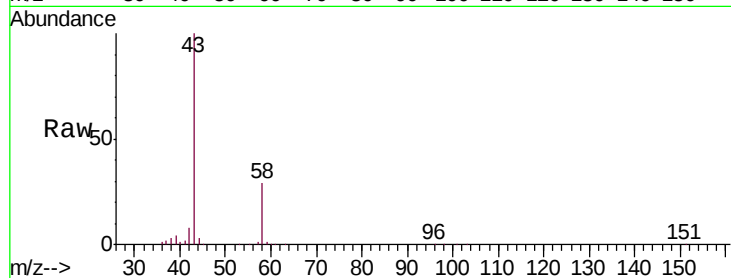
VSTD02002

Tgt Ion: 43 Resp: 173970

Ion Ratio Lower Upper

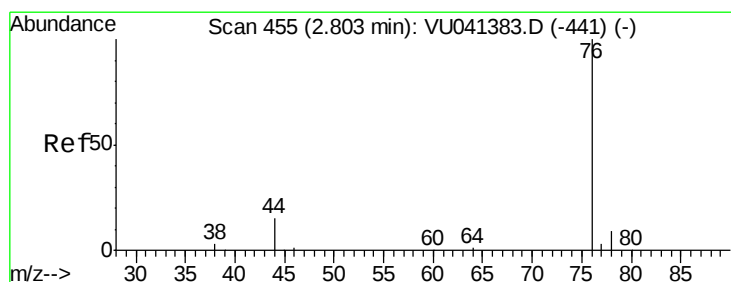
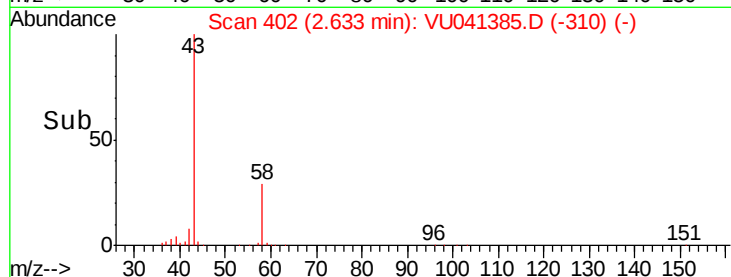
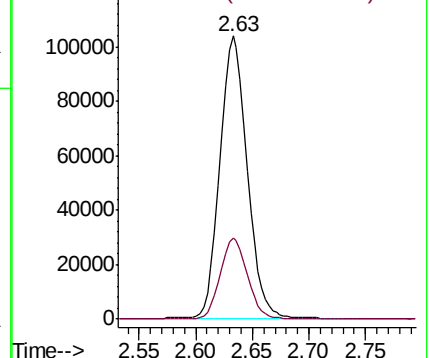
43 100

58 28.8 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU041385.D (-310) (-)

Ion 58.05 (57.75 to 58.75): VU041385.D (-310) (-)



#14

Carbon disulfide

Concen: 20.952 ug/L

RT: 2.80 min Scan# 454

Delta R.T. -0.00 min

Lab File: VU041385.D

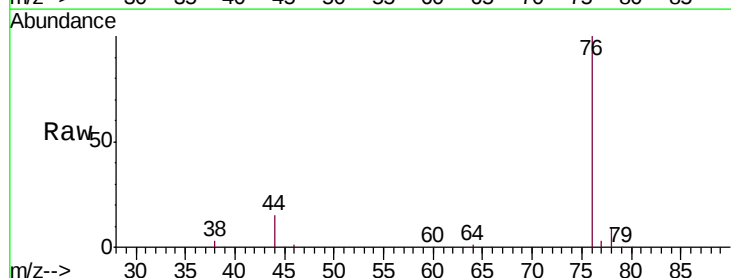
Acq: 23 Nov 2020 13:30

Tgt Ion: 76 Resp: 317609

Ion Ratio Lower Upper

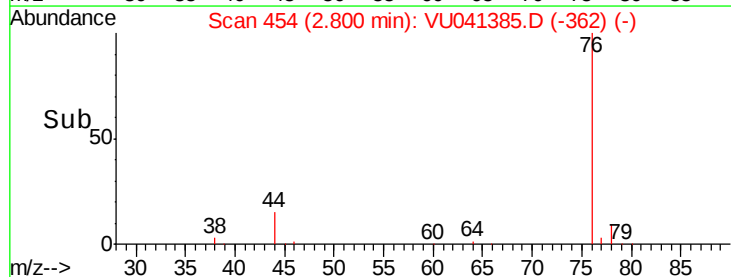
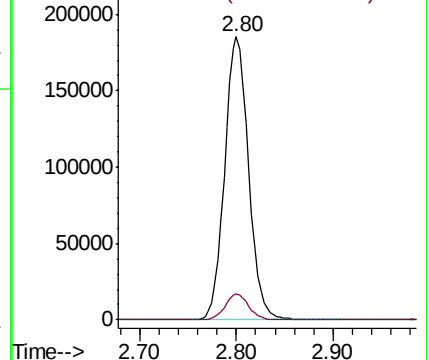
76 100

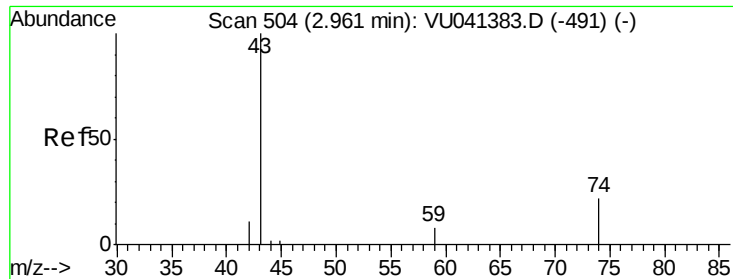
78 9.0 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU041385.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VU041385.D (-362) (-)

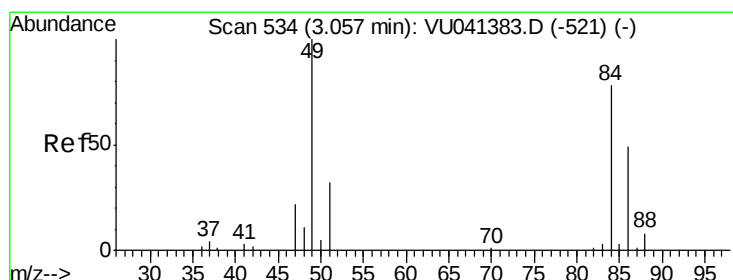
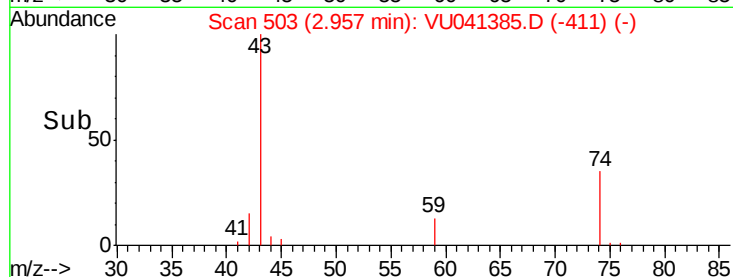
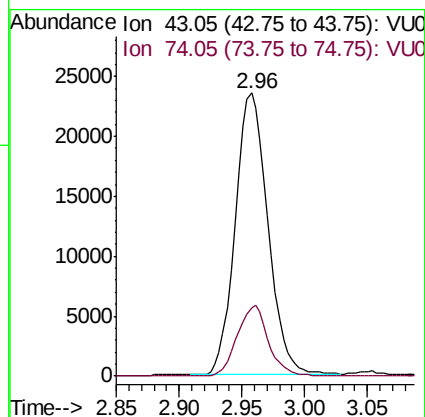
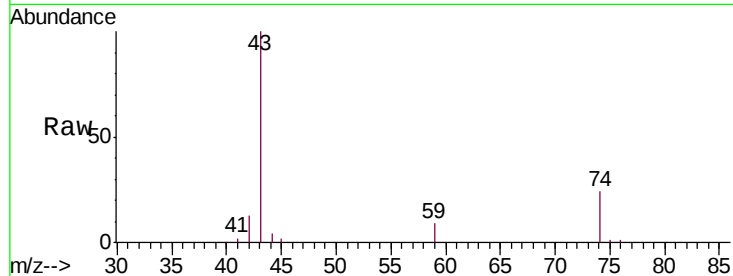




#15
Methyl Acetate
Concen: 14.189 ug/L
RT: 2.96 min Scan# 503
Delta R.T. -0.00 min
Lab File: VU041385.D
Acq: 23 Nov 2020 13:30

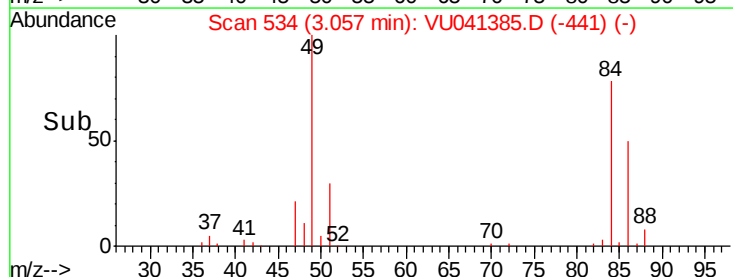
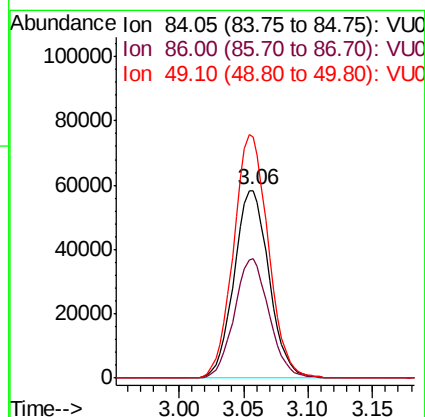
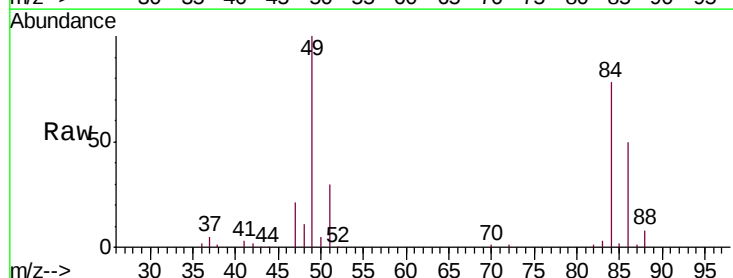
Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

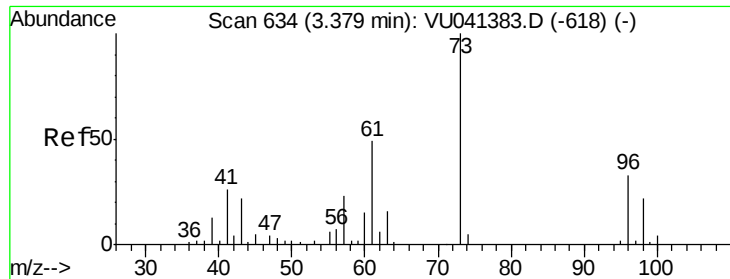
Tgt Ion: 43 Resp: 42608
Ion Ratio Lower Upper
43 100
74 23.9 17.0 25.6



#16
Methylene chloride
Concen: 17.509 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041385.D
Acq: 23 Nov 2020 13:30

Tgt Ion: 84 Resp: 110190
Ion Ratio Lower Upper
84 100
86 63.8 44.4 82.5
49 128.5 89.9 167.0

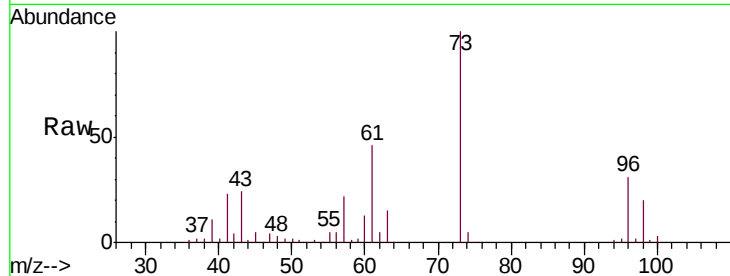




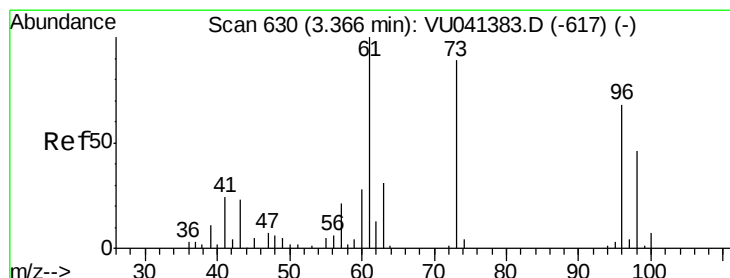
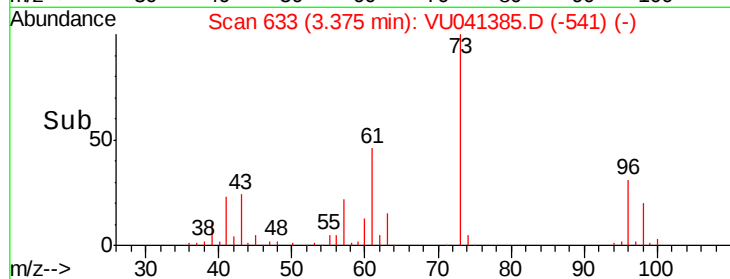
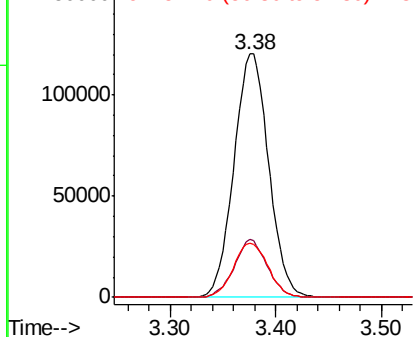
#17
Methyl tert-butyl Ether
Concen: 20.355 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.00 min
Lab File: VU041385.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Tgt Ion: 73 Resp: 274297
Ion Ratio Lower Upper
73 100
43 22.6 18.3 27.5
57 22.4 17.7 26.5

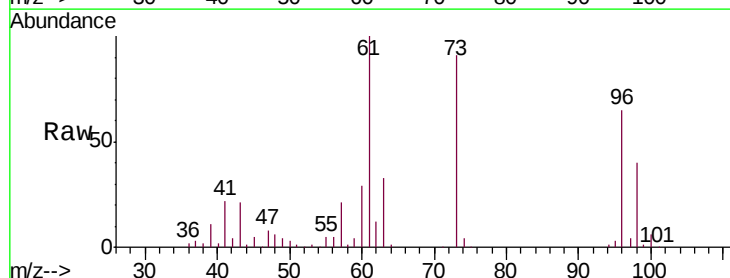


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

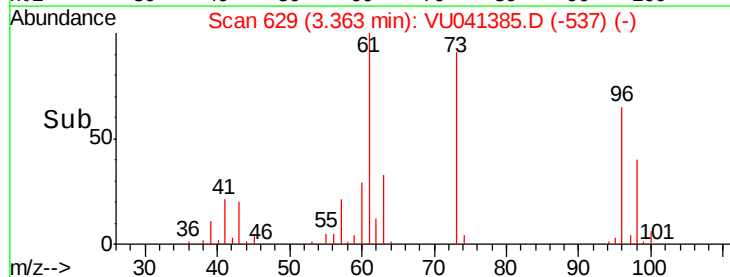
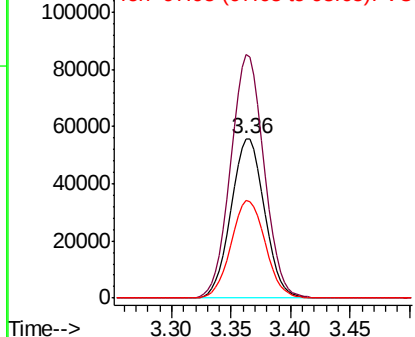


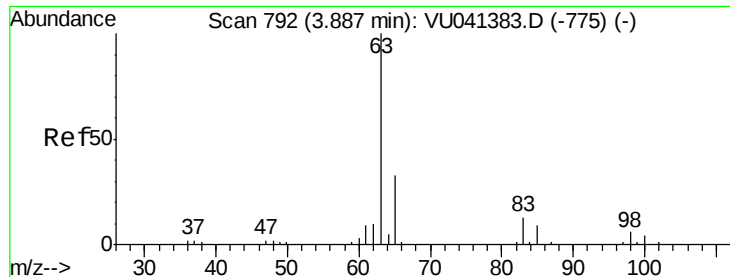
#18
trans-1,2-Dichloroethene
Concen: 22.175 ug/L
RT: 3.36 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU041385.D
Acq: 23 Nov 2020 13:30

Tgt Ion: 96 Resp: 109474
Ion Ratio Lower Upper
96 100
61 152.7 103.7 192.5
98 61.4 47.5 88.3



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

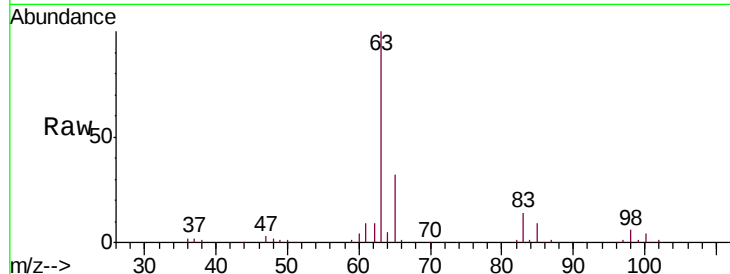




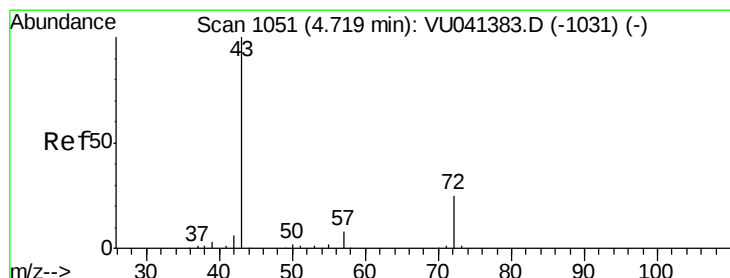
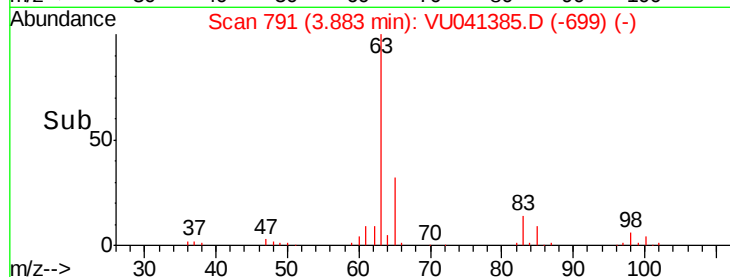
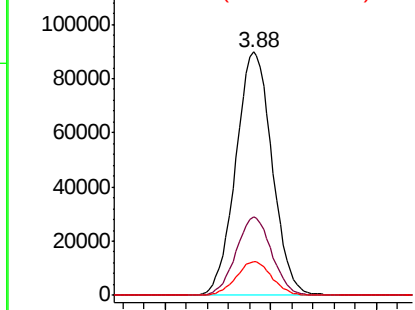
#19
 1,1-Dichloroethane
 Concen: 19.853 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

Tgt Ion: 63 Resp: 214932
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.0 42.8
 83 13.8 9.4 17.4

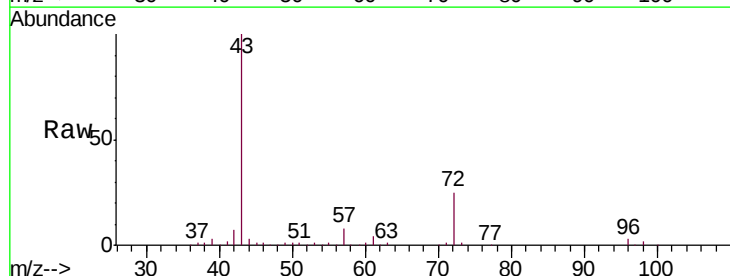


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

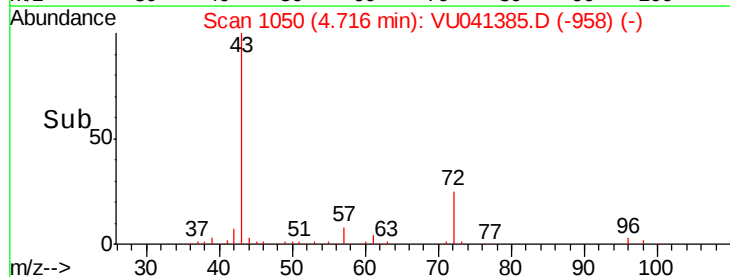
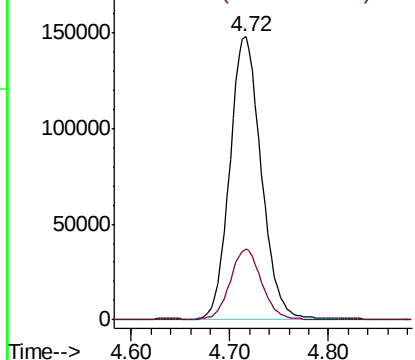


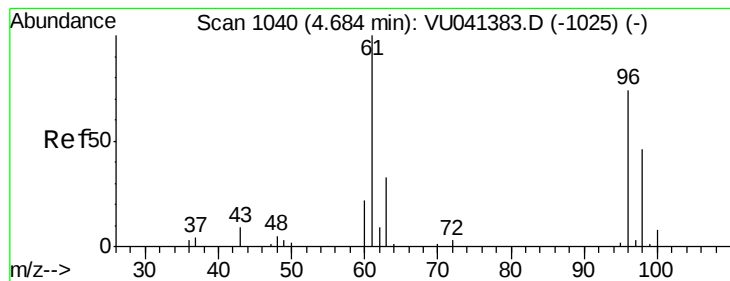
#21
 2-Butanone
 Concen: 150.822 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

Tgt Ion: 43 Resp: 326180
 Ion Ratio Lower Upper
 43 100
 72 25.5 12.6 37.6



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





#22

cis-1,2-Dichloroethene

Concen: 21.779 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041385.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

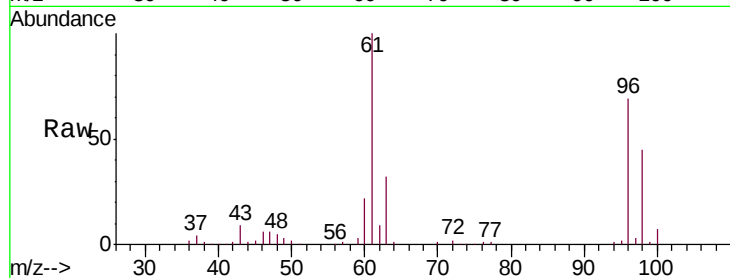
Tgt Ion: 96 Resp: 118927

Ion Ratio Lower Upper

96 100

61 144.1 95.3 176.9

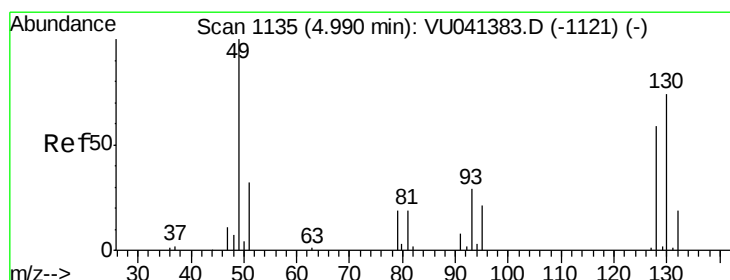
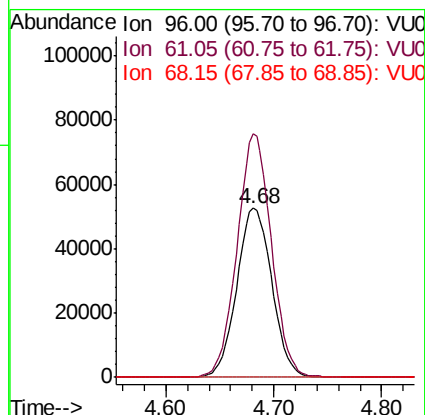
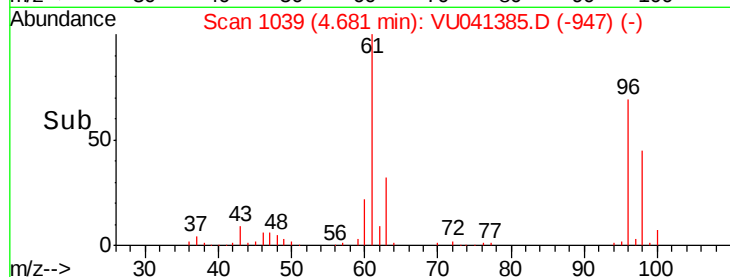
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041385.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU041385.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU041385.D (-1025) (-)



#23

Bromochloromethane

Concen: 19.644 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041385.D

Acq: 23 Nov 2020 13:30

Tgt Ion: 128 Resp: 53096

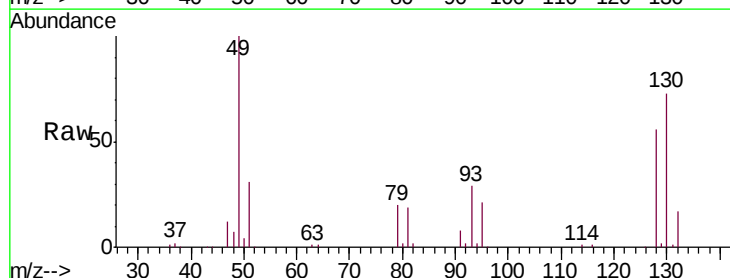
Ion Ratio Lower Upper

128 100

49 177.1 118.9 220.9

130 129.0 88.3 163.9

51 55.5 43.2 64.8

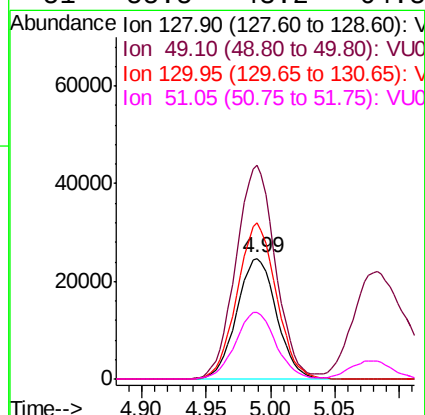
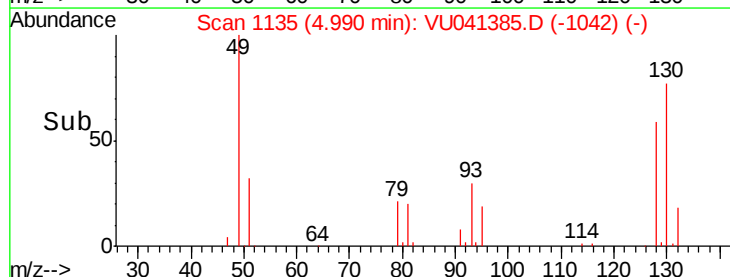


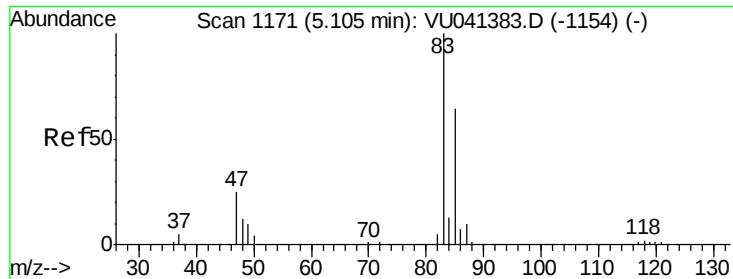
Abundance Ion 127.90 (127.60 to 128.60): VU041385.D (-1121) (-)

Ion 49.10 (48.80 to 49.80): VU041385.D (-1121) (-)

Ion 129.95 (129.65 to 130.65): VU041385.D (-1121) (-)

Ion 51.05 (50.75 to 51.75): VU041385.D (-1121) (-)

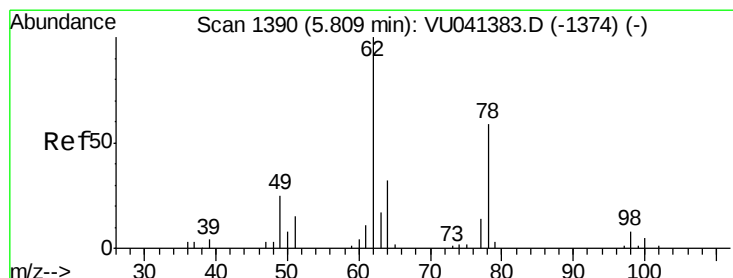
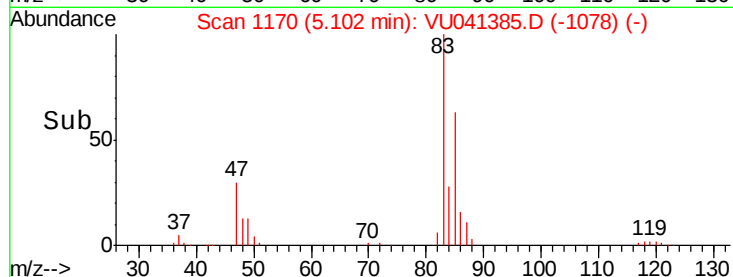
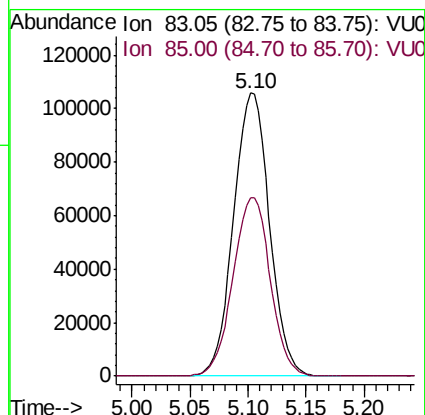
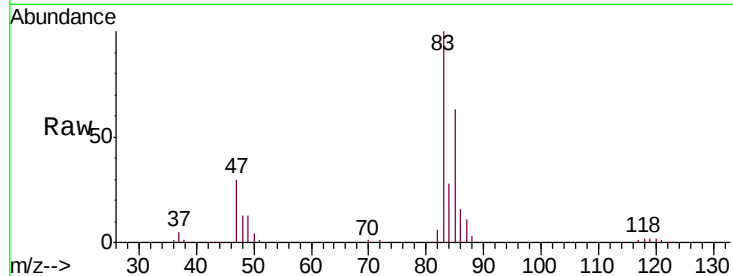




#25
Chloroform
Concen: 19.415 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041385.D
Acq: 23 Nov 2020 13:30

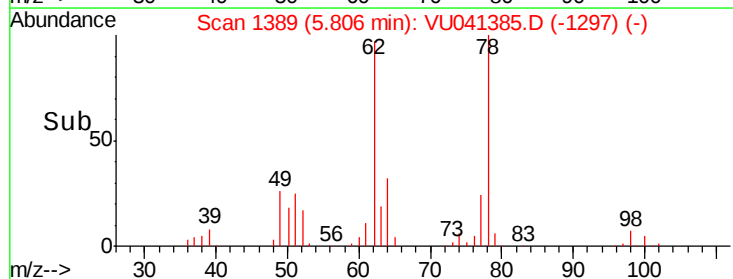
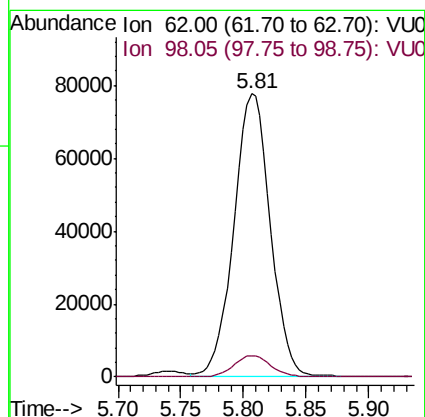
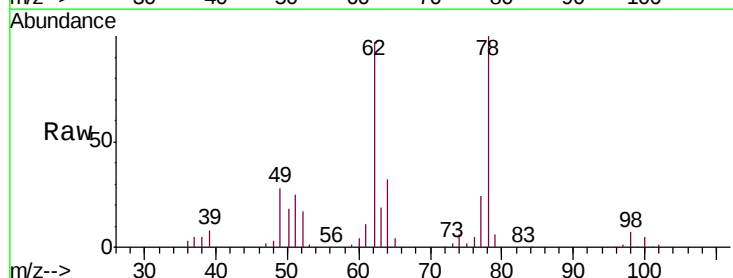
Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

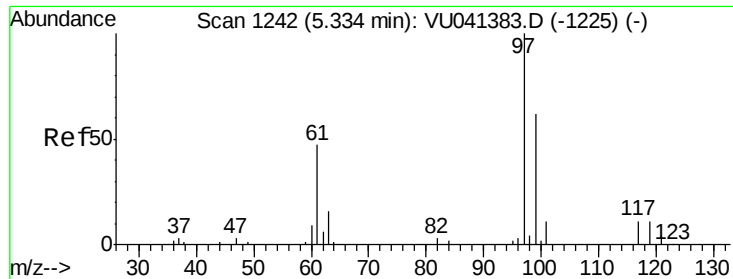
Tgt Ion: 83 Resp: 228083
Ion Ratio Lower Upper
83 100
85 63.1 44.7 82.9



#27
1,2-Dichloroethane
Concen: 18.875 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041385.D
Acq: 23 Nov 2020 13:30

Tgt Ion: 62 Resp: 156391
Ion Ratio Lower Upper
62 100
98 7.6 6.0 9.0

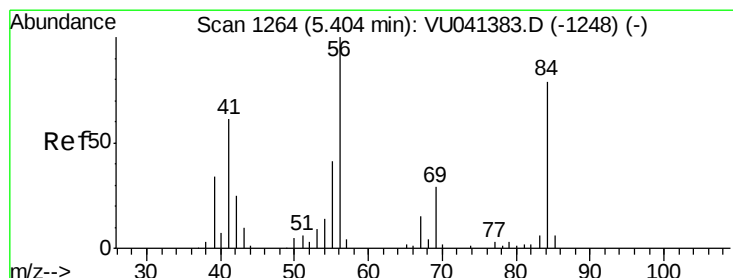
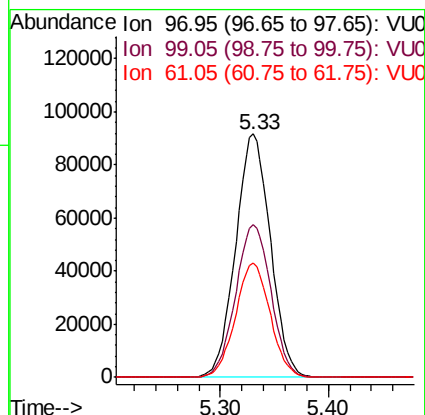
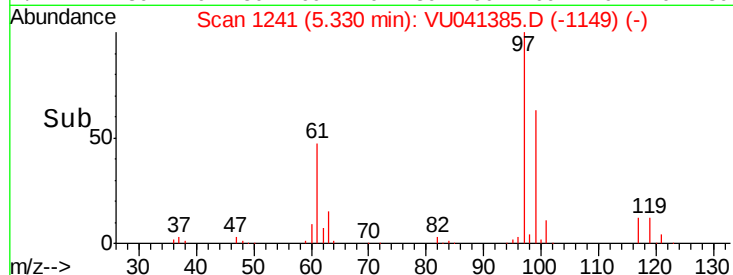
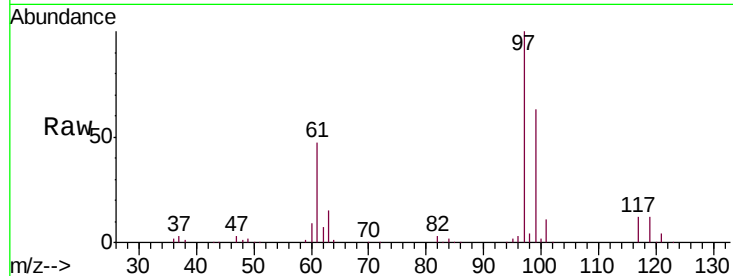




#29
 1,1,1-Trichloroethane
 Concen: 21.062 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

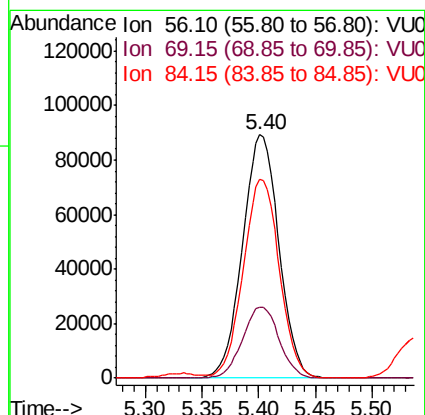
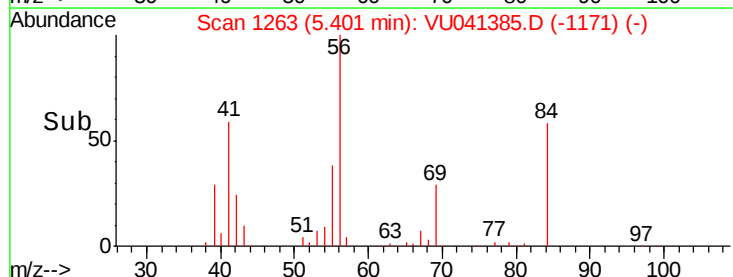
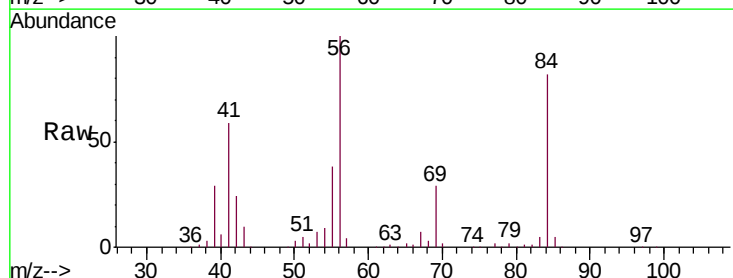
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

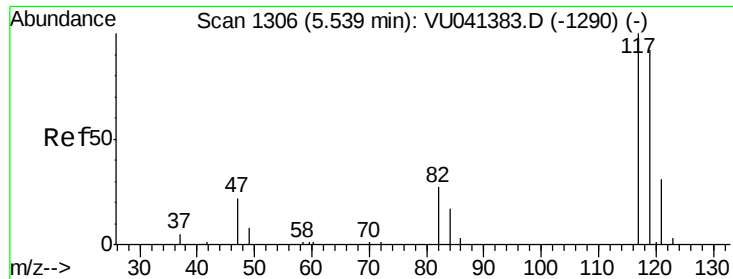
Tgt Ion: 97 Resp: 205620
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.8 77.6
 61 46.9 37.8 56.6



#30
 Cyclohexane
 Concen: 24.468 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

Tgt Ion: 56 Resp: 199567
 Ion Ratio Lower Upper
 56 100
 69 29.3 23.8 35.6
 84 81.4 64.6 97.0





#31

Carbon tetrachloride

Concen: 21.813 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041385.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

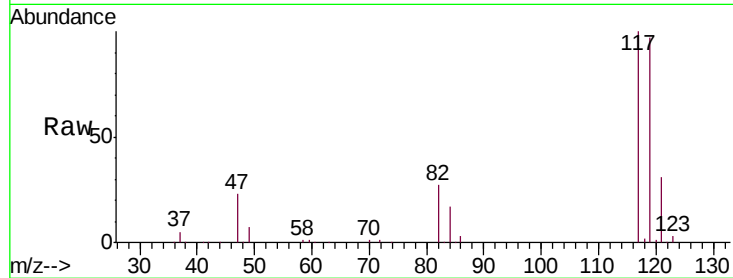
VSTD02002

Tgt Ion:117 Resp: 185152

Ion Ratio Lower Upper

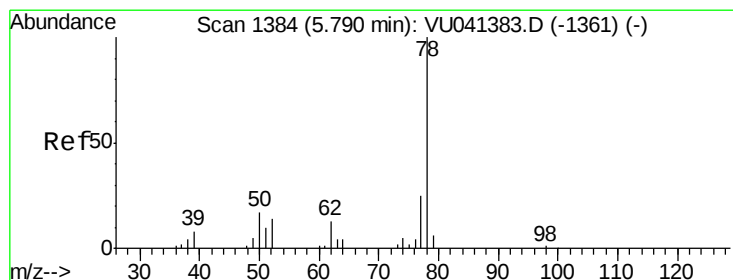
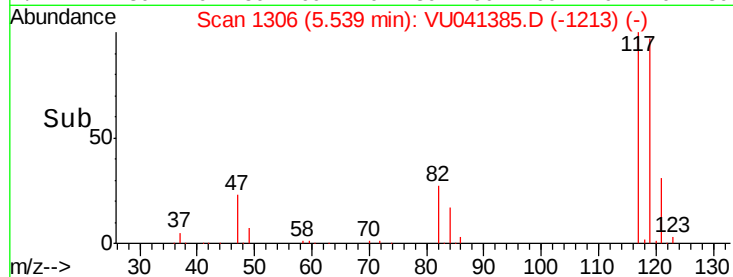
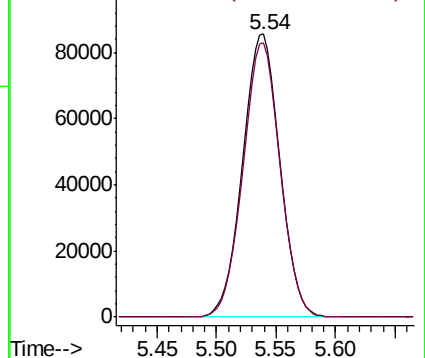
117 100

119 96.4 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 21.859 ug/L

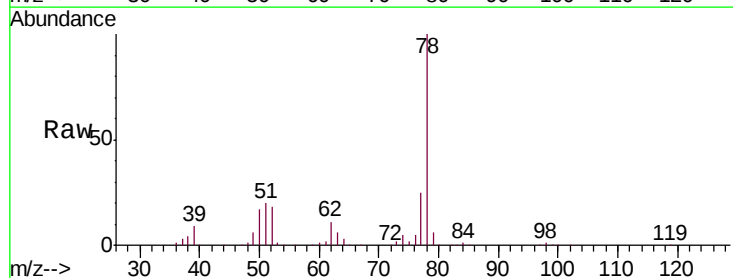
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

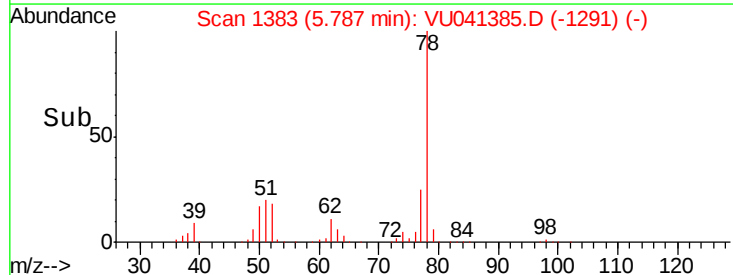
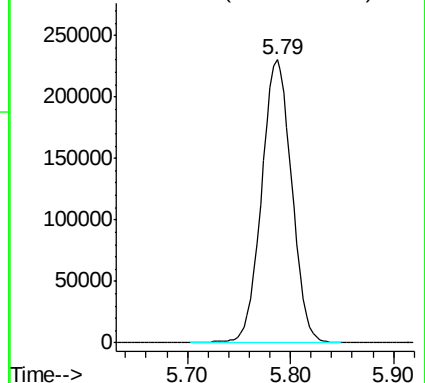
Lab File: VU041385.D

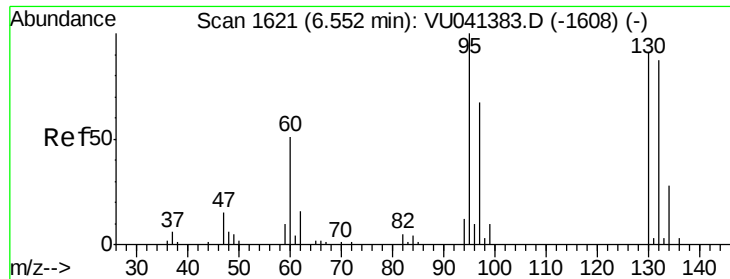
Acq: 23 Nov 2020 13:30

Tgt Ion: 78 Resp: 465778



Abundance Ion 78.10 (77.80 to 78.80): VU0

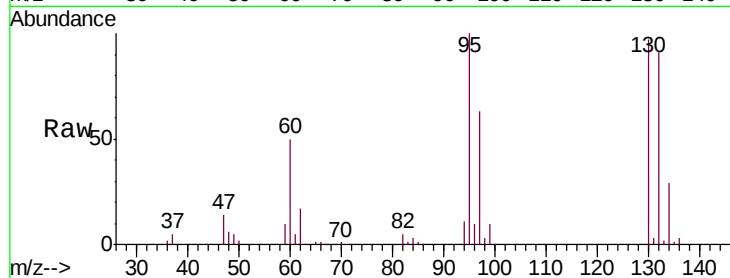




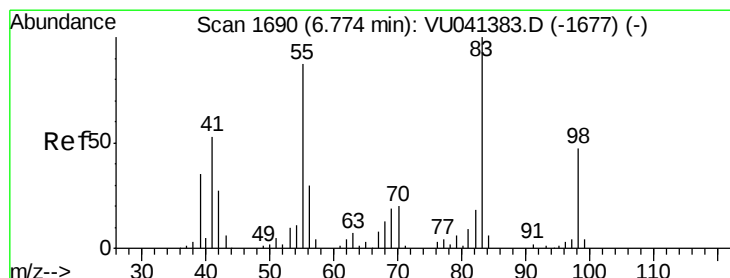
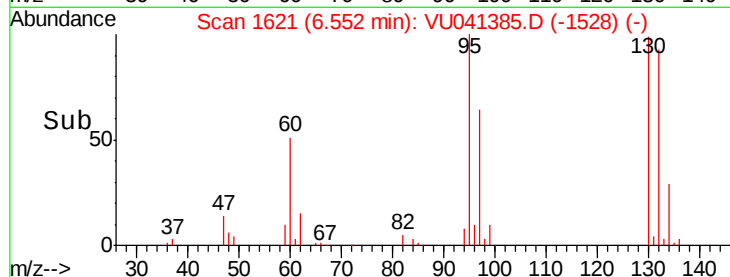
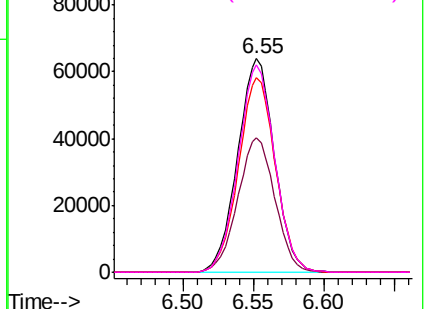
#34
 Trichloroethene
 Concen: 20.108 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

Tgt Ion: 95 Resp: 116783
 Ion Ratio Lower Upper
 95 100
 97 63.0 46.5 86.5
 132 91.2 60.8 113.0
 130 96.9 63.3 117.7

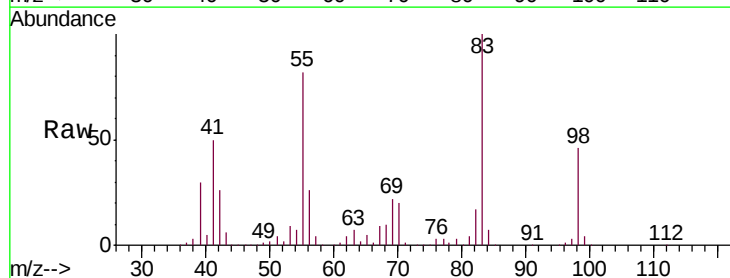


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

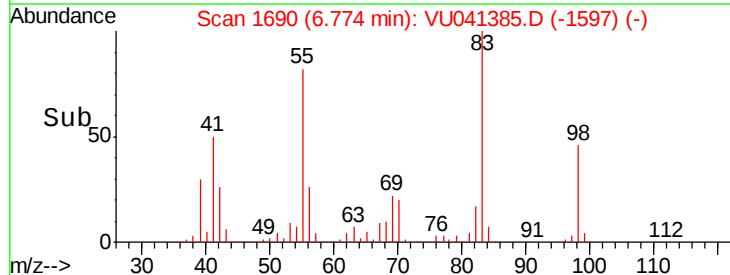
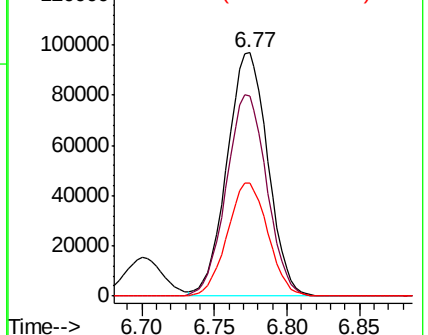


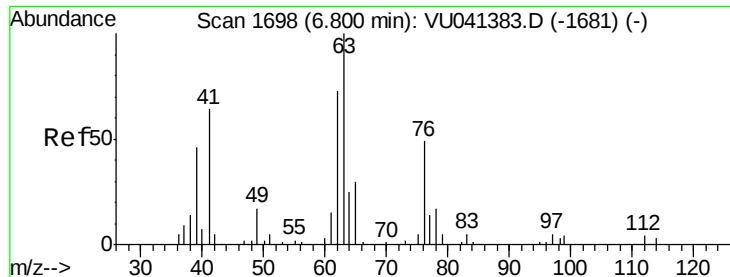
#35
 Methylcyclohexane
 Concen: 23.741 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

Tgt Ion: 83 Resp: 188615
 Ion Ratio Lower Upper
 83 100
 55 82.4 68.4 102.6
 98 46.5 36.5 54.7



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

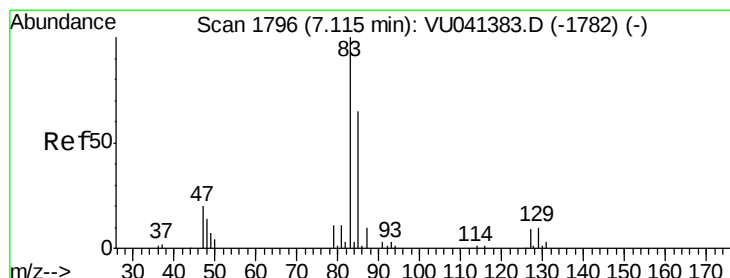
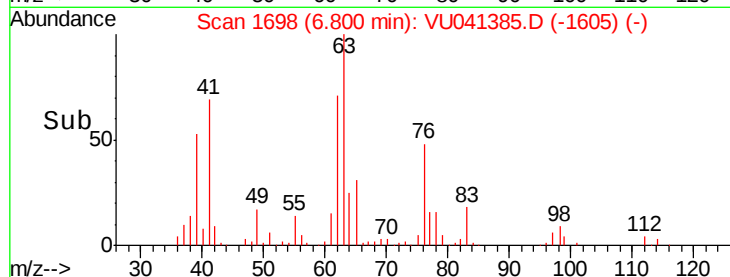
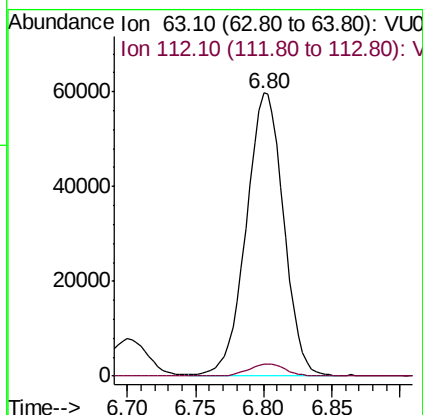
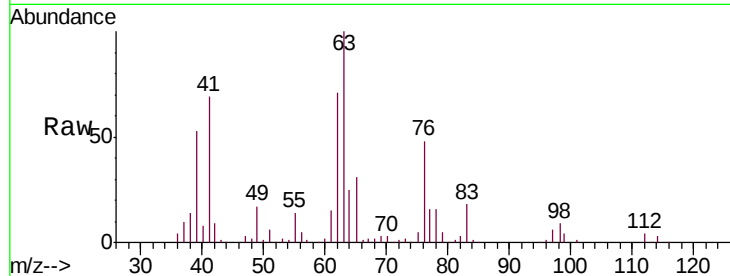




#37
 1,2-Dichloropropane
 Concen: 18.432 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

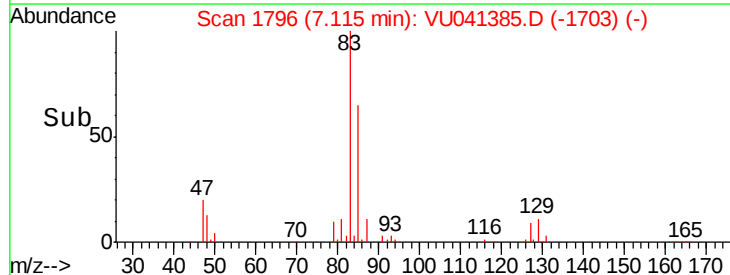
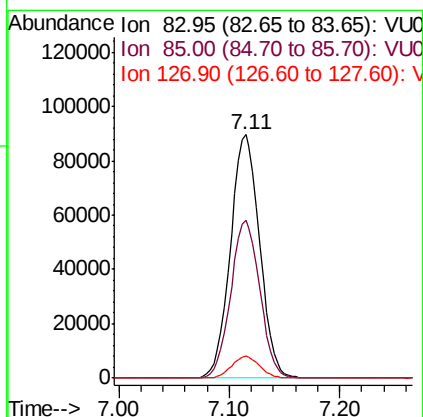
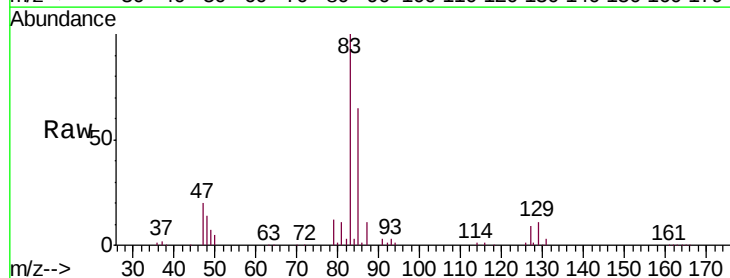
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

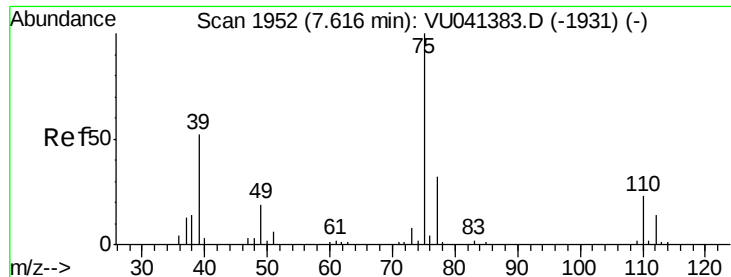
Tgt Ion: 63 Resp: 113615
 Ion Ratio Lower Upper
 63 100
 112 4.2 2.6 4.0#



#38
 Bromodichloromethane
 Concen: 20.176 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

Tgt Ion: 83 Resp: 164362
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.7 84.9
 127 9.0 7.1 10.7

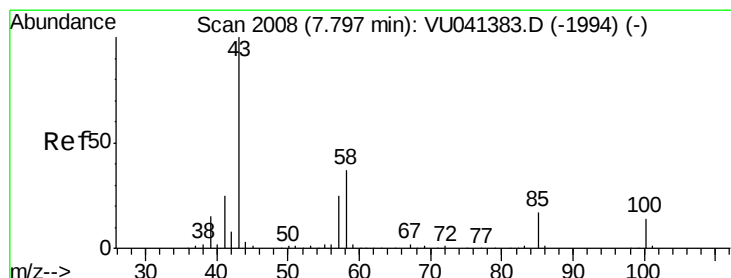
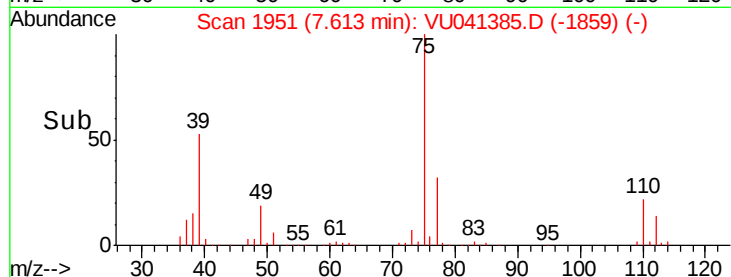
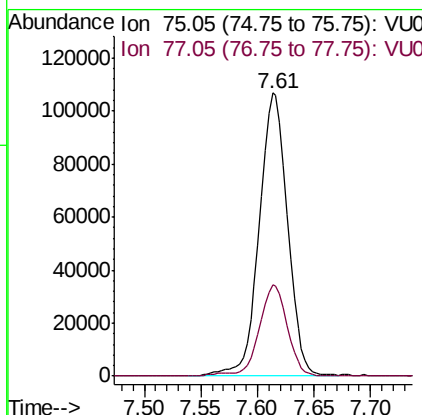
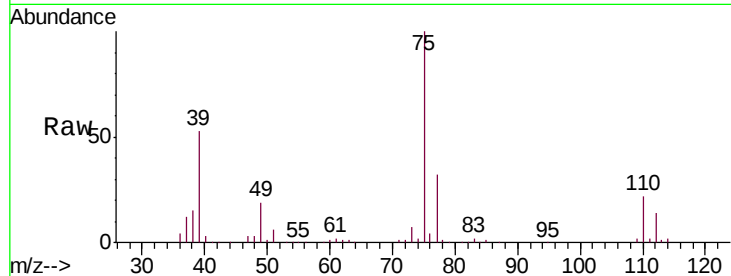




#39
 cis-1,3-Dichloropropene
 Concen: 21.701 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

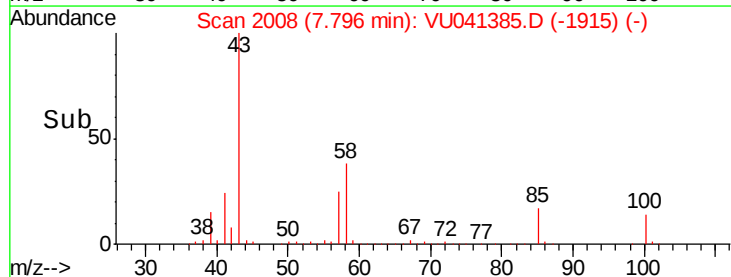
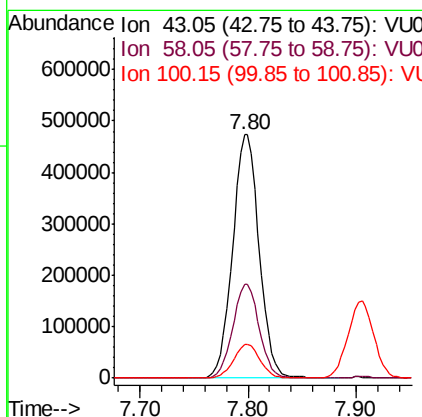
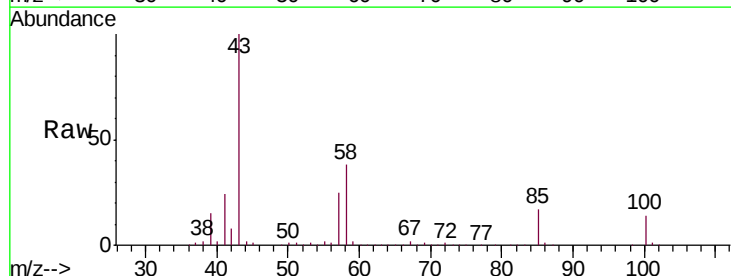
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

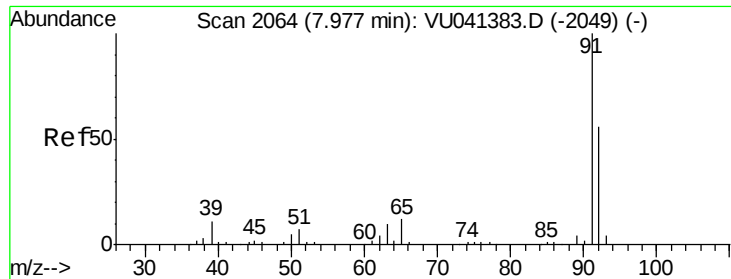
Tgt Ion: 75 Resp: 186430
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 169.012 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

Tgt Ion: 43 Resp: 812205
 Ion Ratio Lower Upper
 43 100
 58 38.4 29.8 44.8
 100 13.8 10.9 16.3





#42

Toluene

Concen: 22.244 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU041385.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

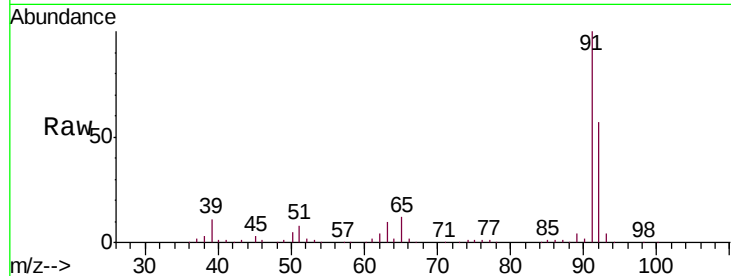
VSTD02002

Tgt Ion: 91 Resp: 506568

Ion Ratio Lower Upper

91 100

92 57.1 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU041385.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU041385.D (-1971) (-)

7.98

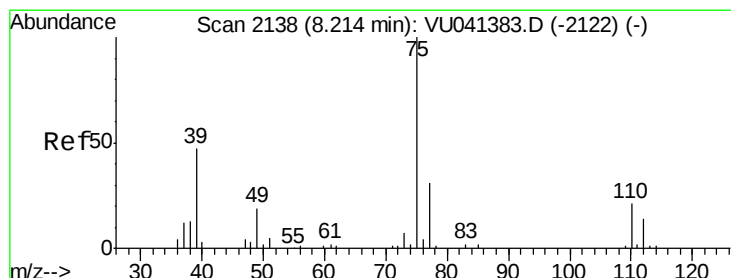
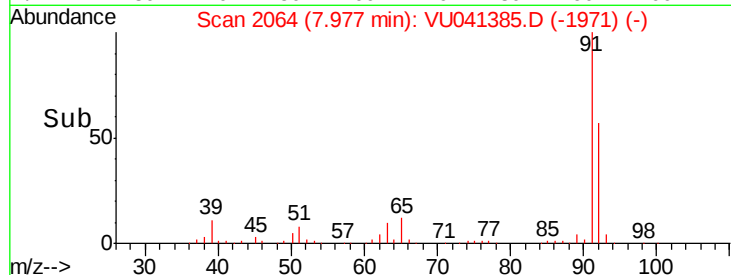
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 20.875 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041385.D

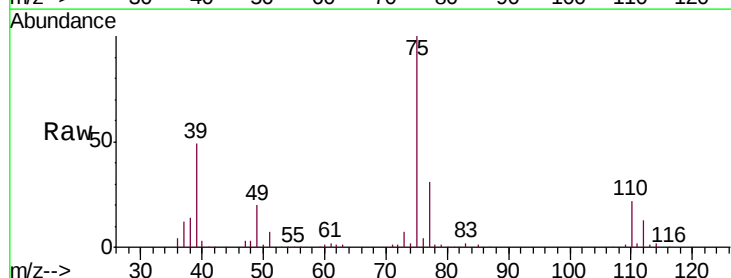
Acq: 23 Nov 2020 13:30

Tgt Ion: 75 Resp: 168370

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU041385.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041385.D (-2045) (-)

8.21

120000

100000

80000

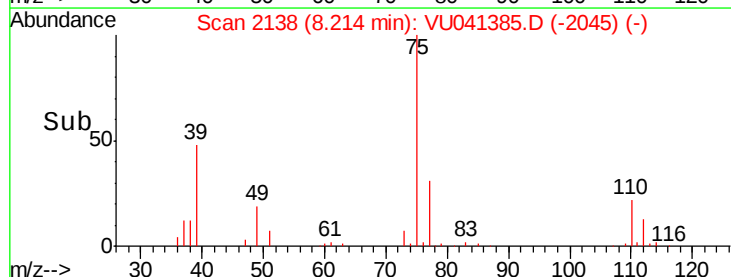
60000

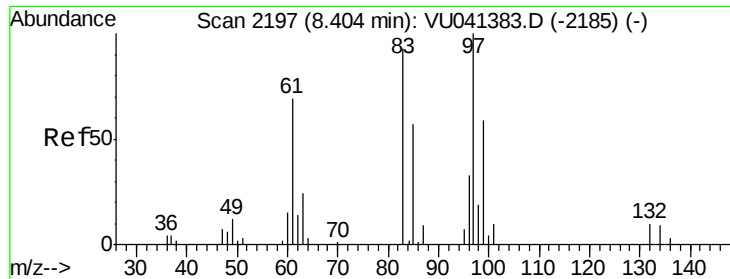
40000

20000

0

Time-->

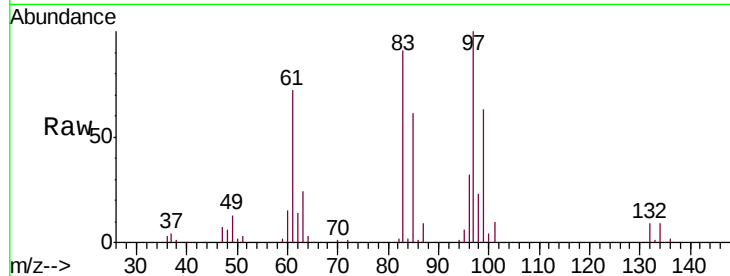




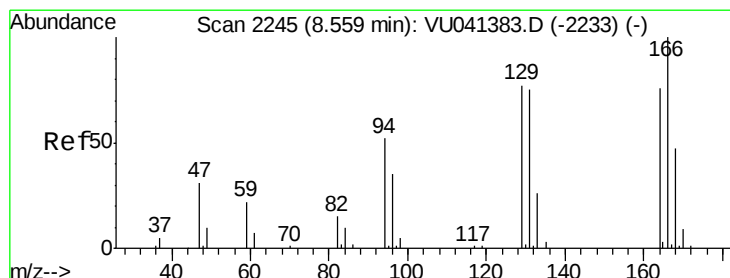
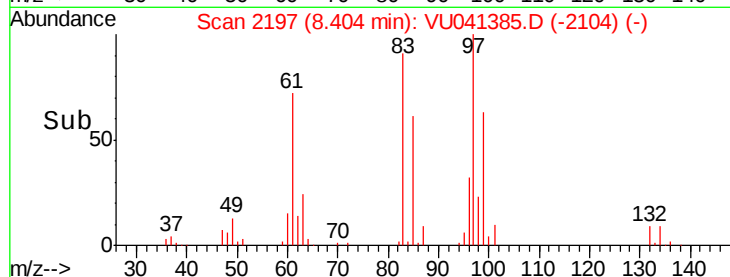
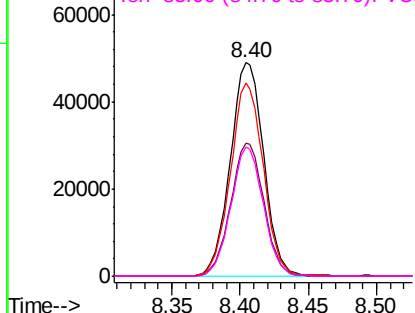
#45
1,1,2-Trichloroethane
Concen: 17.976 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041385.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Tgt Ion:	97	Resp:	83283
Ion	Ratio	Lower	Upper
97	100		
99	62.6	41.5	77.1
83	90.6	65.5	121.6
85	60.7	40.1	74.5

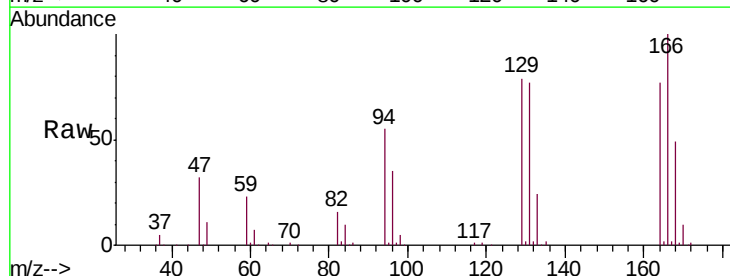


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

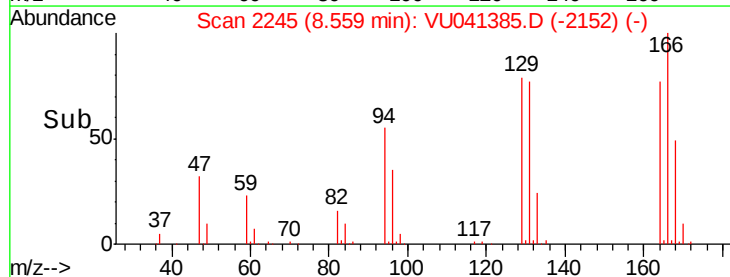
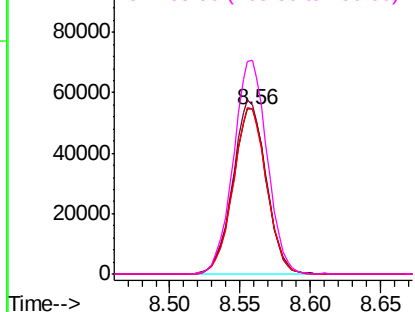


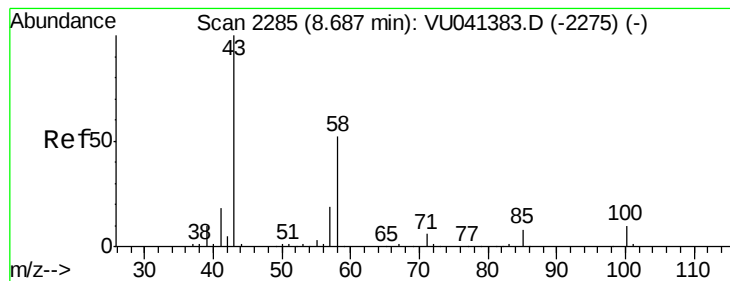
#47
Tetrachloroethene
Concen: 21.457 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU041385.D
Acq: 23 Nov 2020 13:30

Tgt Ion:	164	Resp:	91864
Ion	Ratio	Lower	Upper
164	100		
129	102.8	71.0	131.9
131	100.1	69.0	128.1
166	129.5	92.4	171.6



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: 165.536 ug/L

RT: 8.69 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VU041385.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

Tgt Ion: 43 Resp: 587915

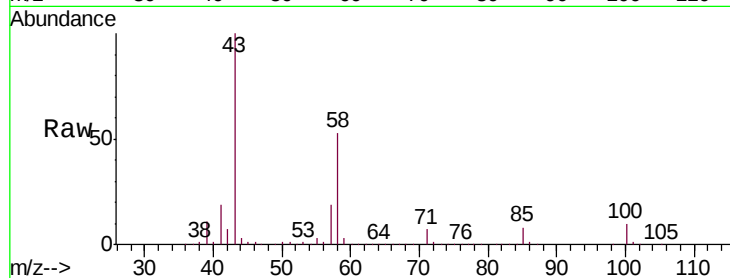
Ion Ratio Lower Upper

43 100

58 54.0 42.0 63.0

57 19.3 15.0 22.4

100 10.6 8.4 12.6

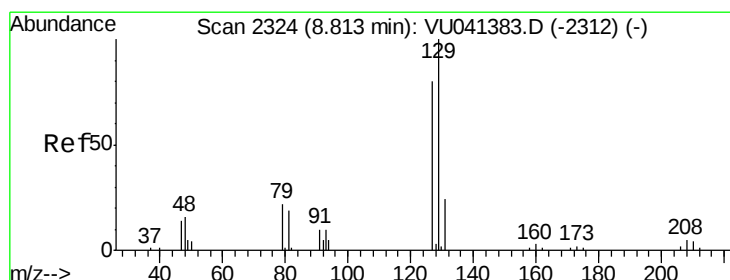
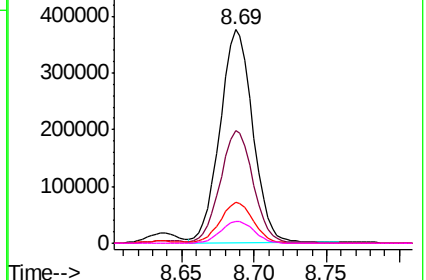
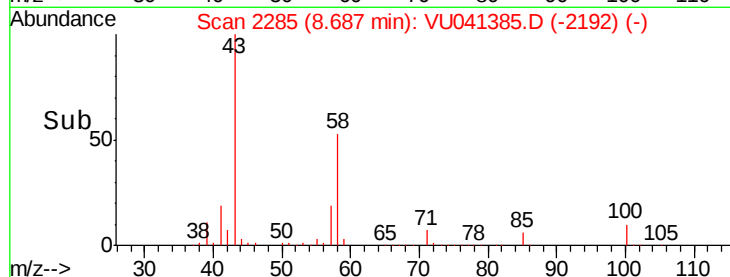


Abundance Ion 43.05 (42.75 to 43.75): VU041385.D (-2192) (-)

Ion 58.05 (57.75 to 58.75): VU041385.D (-2192) (-)

Ion 57.20 (56.90 to 57.90): VU041385.D (-2192) (-)

Ion 100.15 (99.85 to 100.85): VU041385.D (-2192) (-)



#49

Dibromochloromethane

Concen: 19.899 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU041385.D

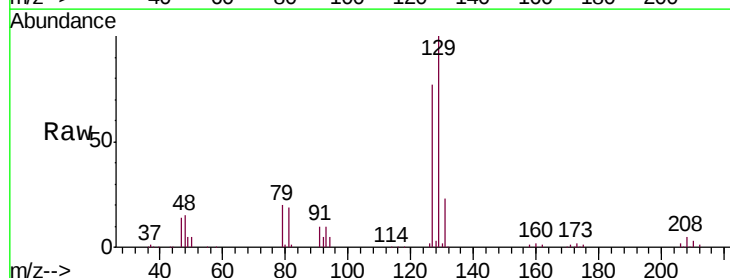
Acq: 23 Nov 2020 13:30

Tgt Ion: 129 Resp: 110651

Ion Ratio Lower Upper

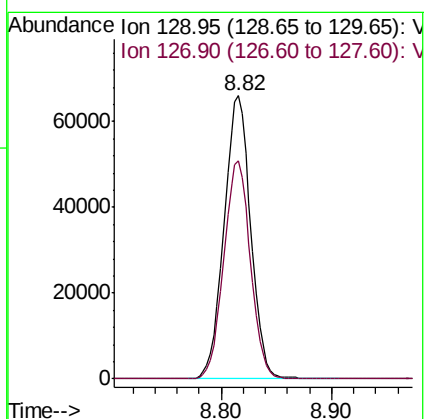
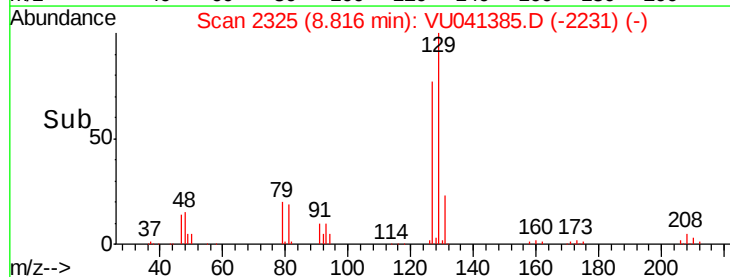
129 100

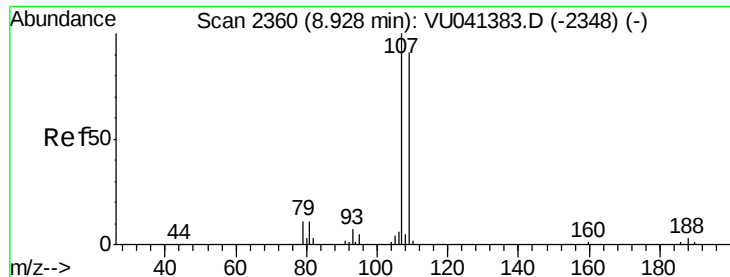
127 76.9 55.6 103.4



Abundance Ion 128.95 (128.65 to 129.65): VU041385.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU041385.D (-2231) (-)

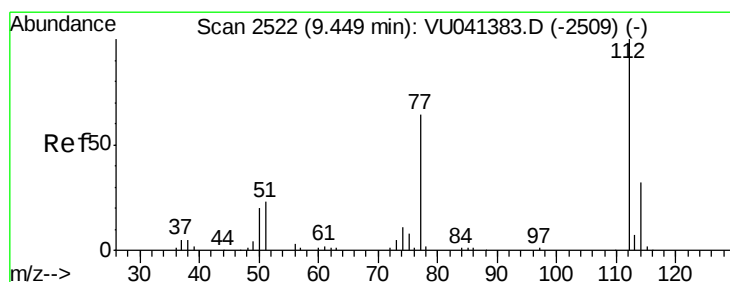
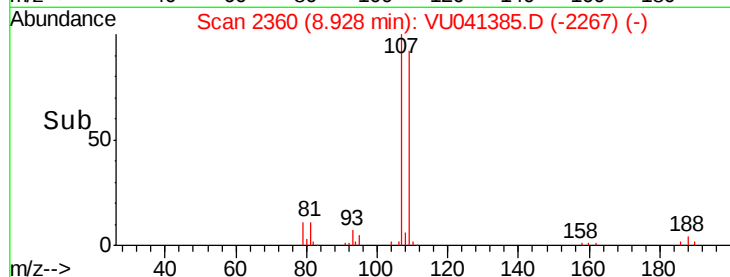
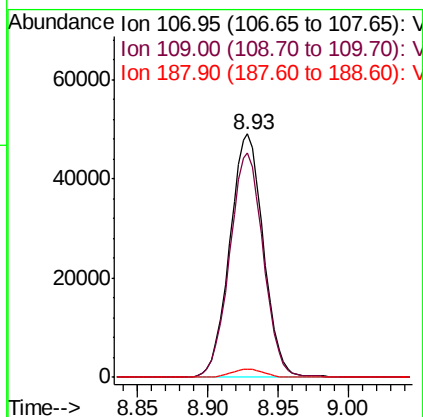
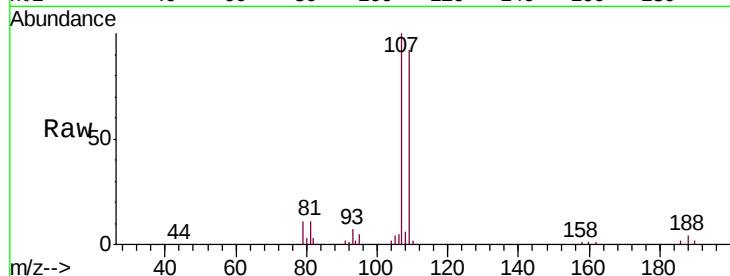




#50
1,2-Dibromoethane
Concen: 18.895 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041385.D
Acq: 23 Nov 2020 13:30

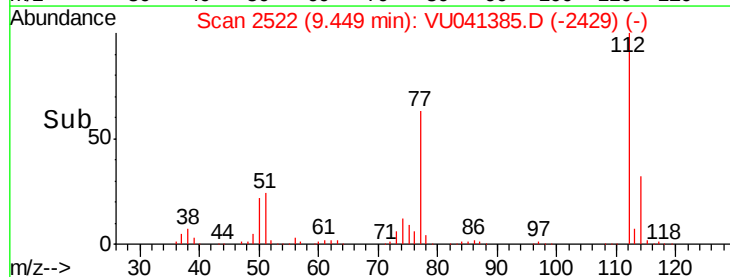
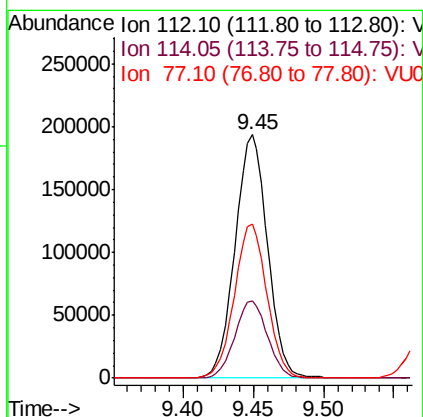
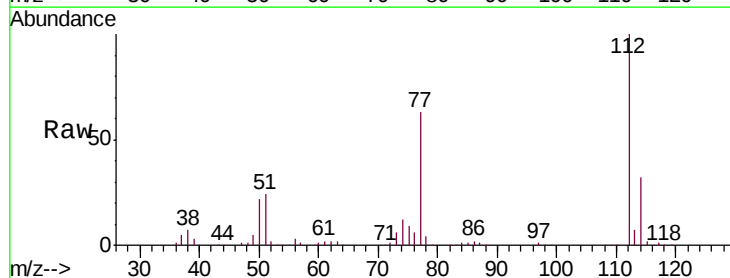
Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

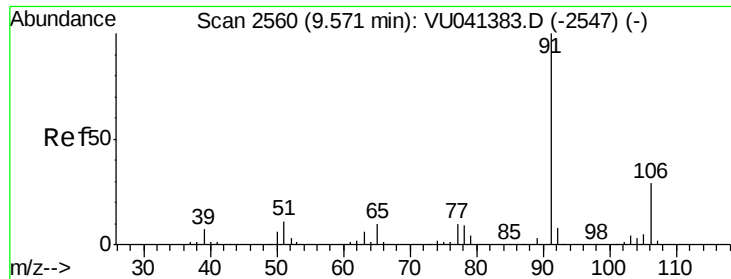
Tgt Ion:107 Resp: 81721
Ion Ratio Lower Upper
107 100
109 92.3 63.4 117.8
188 3.5 2.2 3.4#



#51
Chlorobenzene
Concen: 20.759 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041385.D
Acq: 23 Nov 2020 13:30

Tgt Ion:112 Resp: 312269
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.3
77 63.2 52.2 78.4





#52

Ethylbenzene

Concen: 23.404 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041385.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

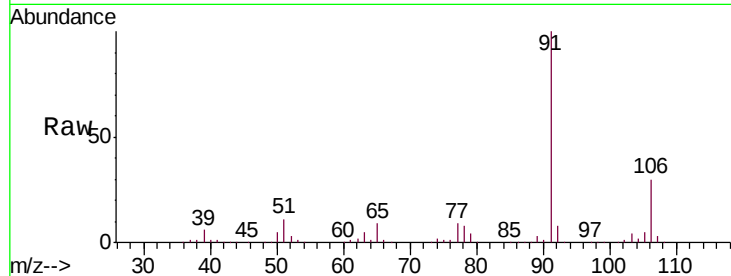
VSTD02002

Tgt Ion: 91 Resp: 574556

Ion Ratio Lower Upper

91 100

106 30.2 20.6 38.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V

9.57

400000

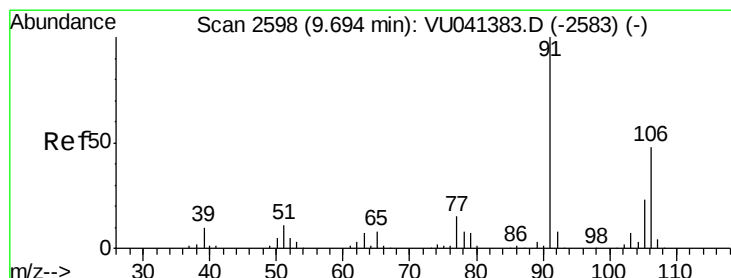
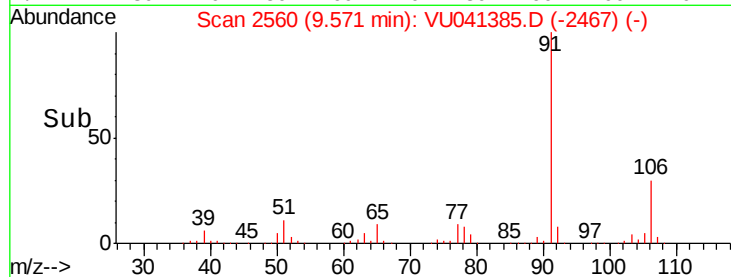
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 23.933 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041385.D

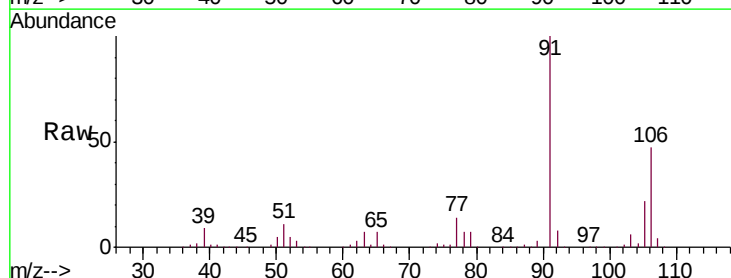
Acq: 23 Nov 2020 13:30

Tgt Ion: 106 Resp: 212619

Ion Ratio Lower Upper

106 100

91 215.0 145.0 269.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

9.69

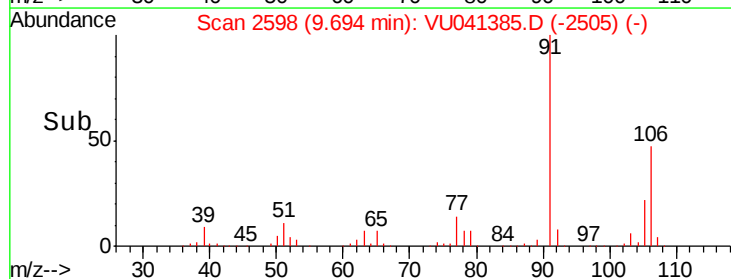
300000

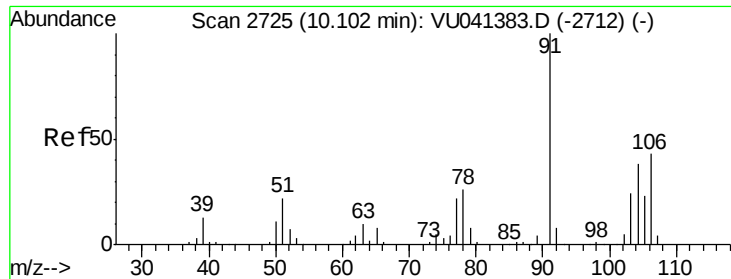
200000

100000

0

Time-->

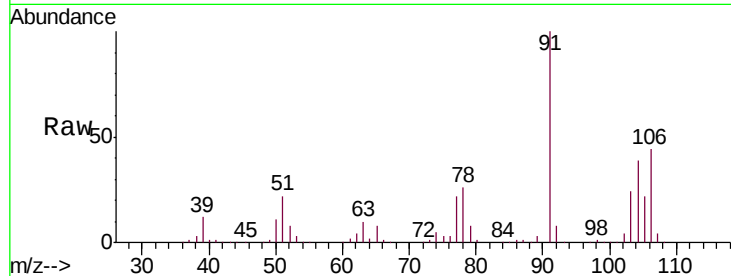




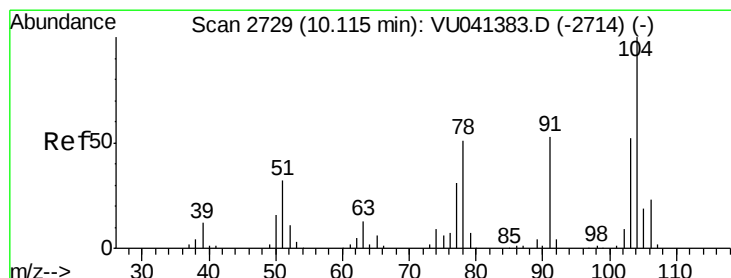
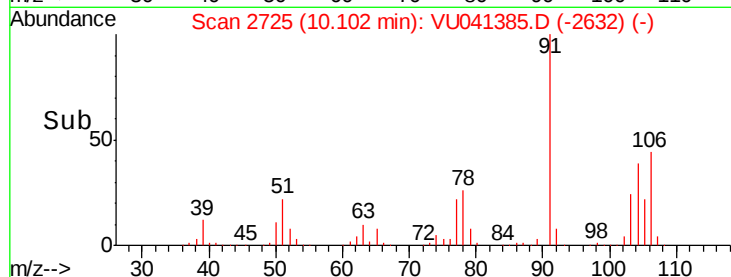
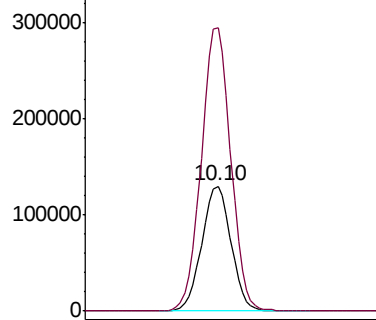
#54
o-Xylene
Concen: 24.032 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU041385.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Tgt Ion:106 Resp: 204415
Ion Ratio Lower Upper
106 100
91 226.8 162.0 300.8

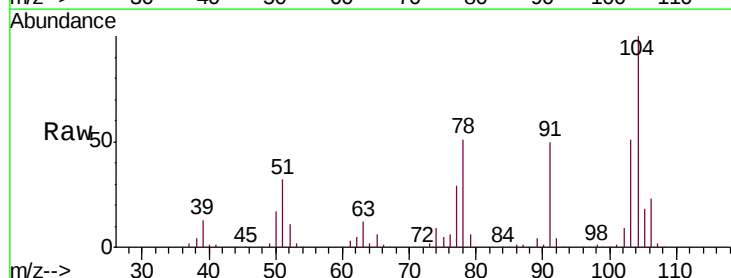


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

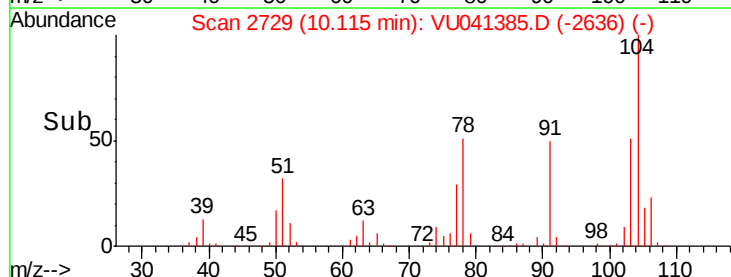
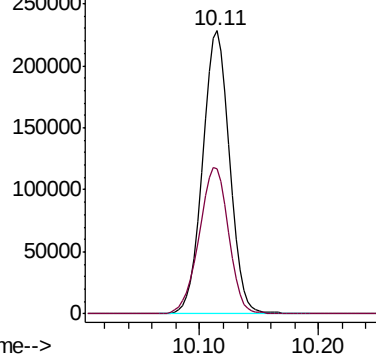


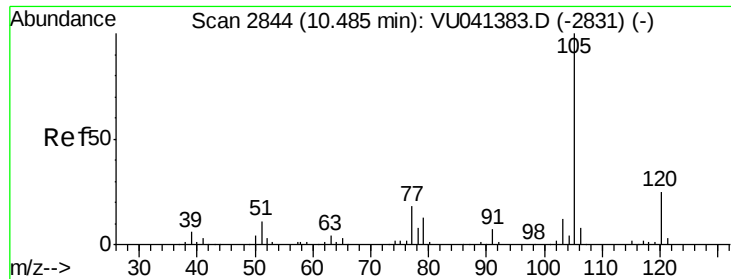
#55
Styrene
Concen: 23.984 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041385.D
Acq: 23 Nov 2020 13:30

Tgt Ion:104 Resp: 358162
Ion Ratio Lower Upper
104 100
78 51.3 35.9 66.7



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





#56

Isopropylbenzene

Concen: 24.943 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041385.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

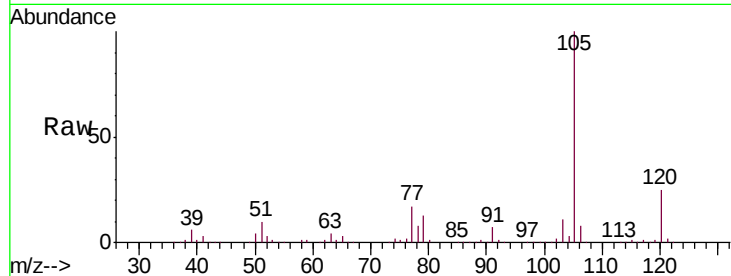
Tgt Ion:105 Resp: 570588

Ion Ratio Lower Upper

105 100

120 25.1 20.1 30.1

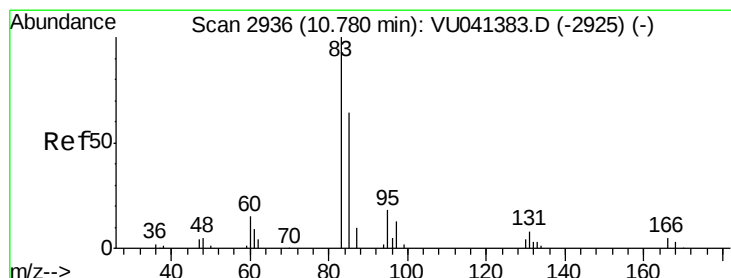
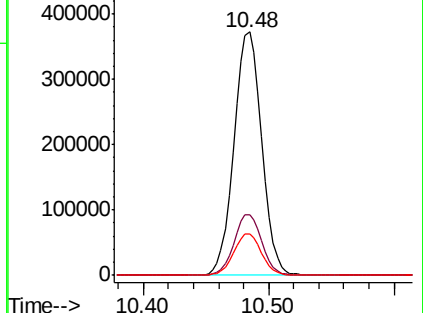
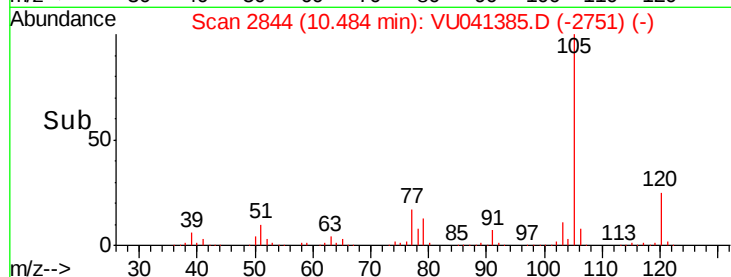
77 17.1 14.0 21.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 17.263 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041385.D

Acq: 23 Nov 2020 13:30

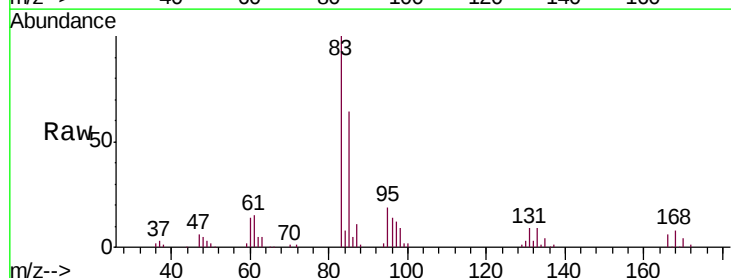
Tgt Ion: 83 Resp: 106473

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9

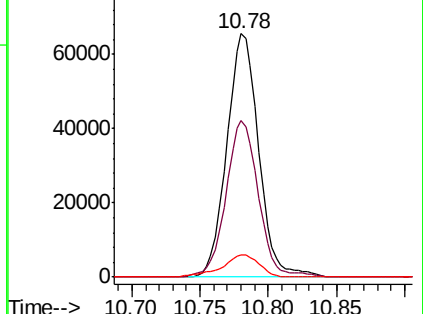
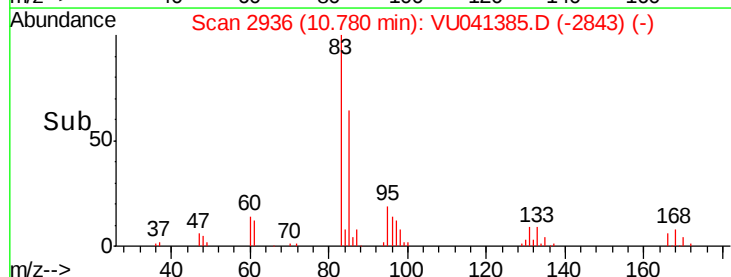
131 9.3 7.6 11.4

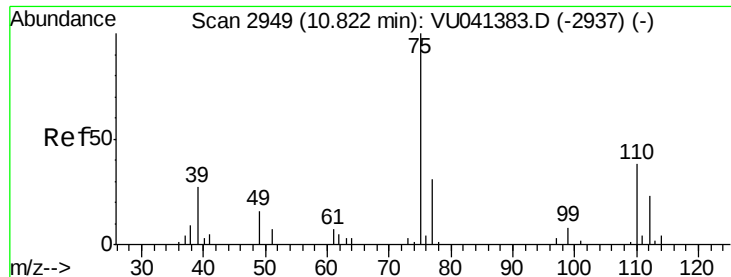


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 16.533 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041385.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

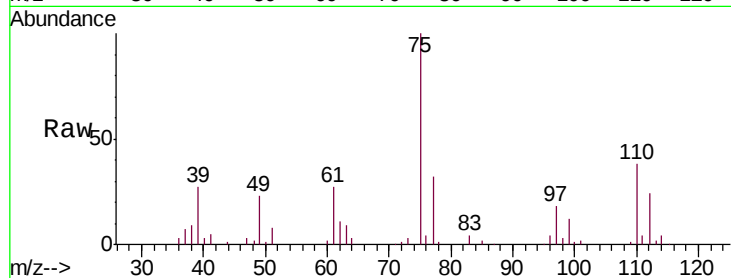
VSTD02002

Tgt Ion: 75 Resp: 78534

Ion Ratio Lower Upper

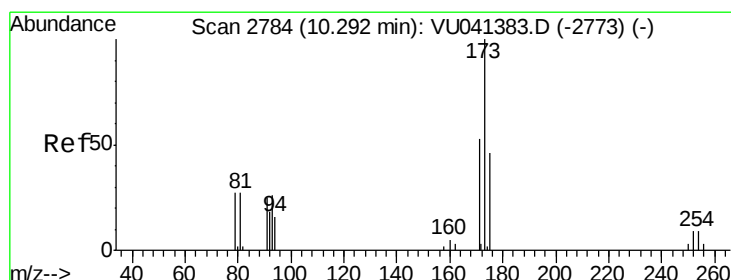
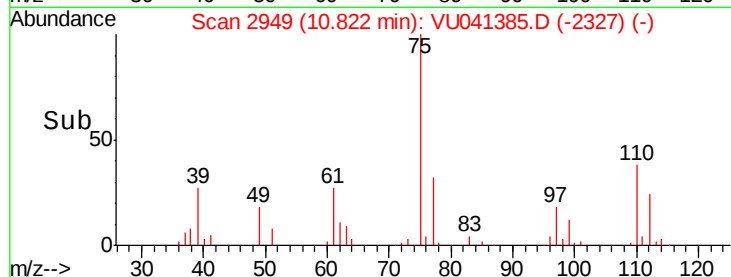
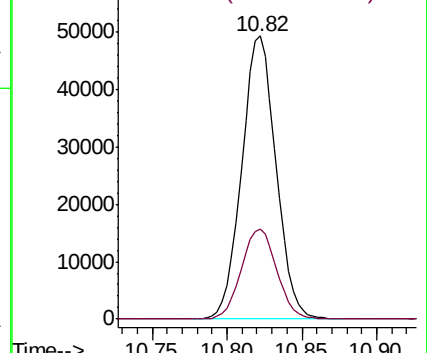
75 100

77 32.9 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 16.670 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU041385.D

Acq: 23 Nov 2020 13:30

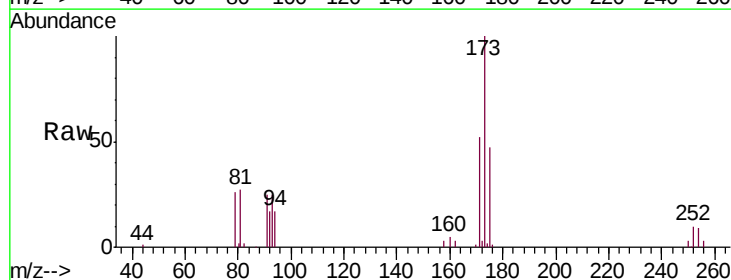
Tgt Ion: 173 Resp: 62535

Ion Ratio Lower Upper

173 100

175 47.3 37.9 56.9

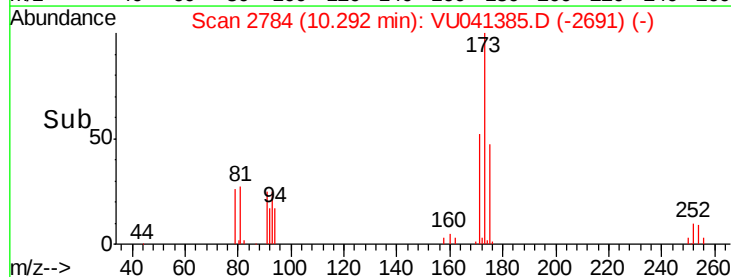
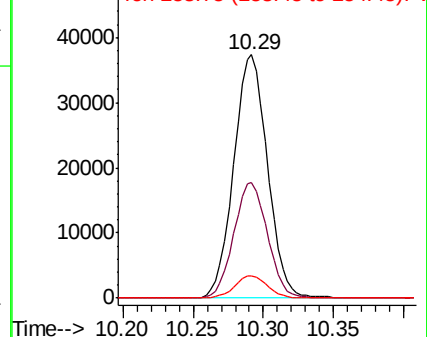
254 8.9 7.1 10.7

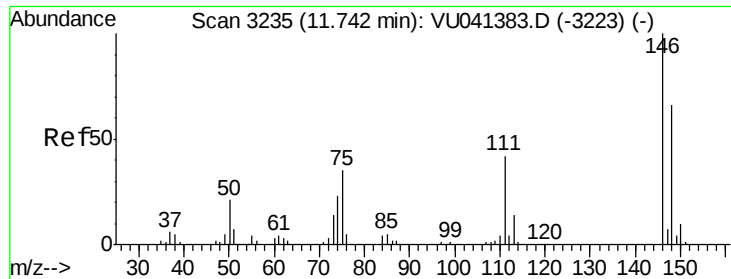


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

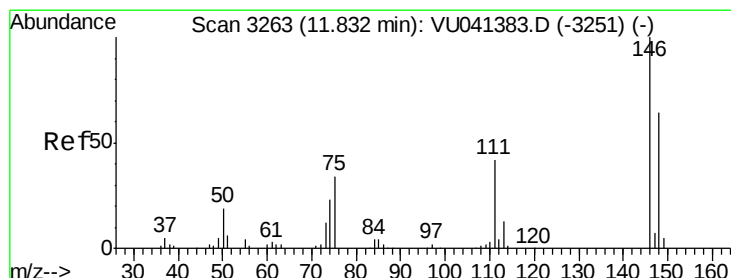
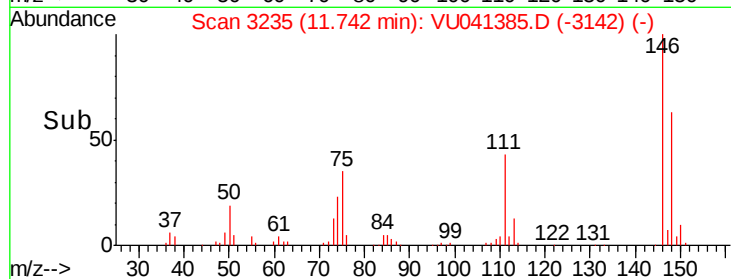
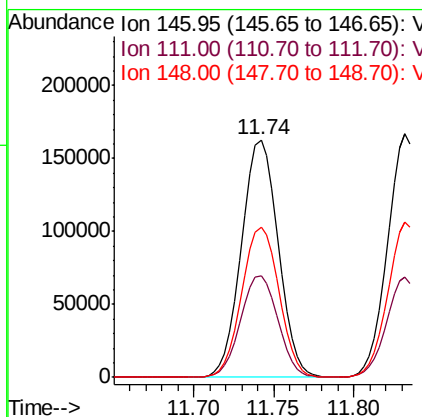
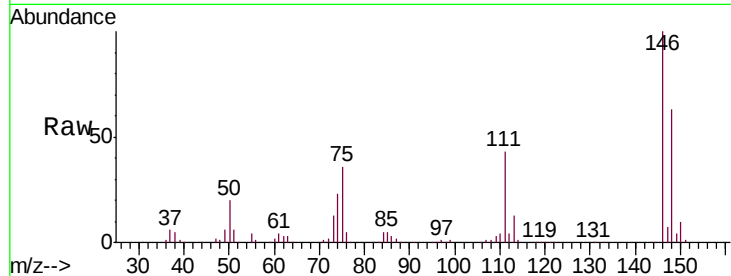




#62
 1,3-Dichlorobenzene
 Concen: 20.004 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

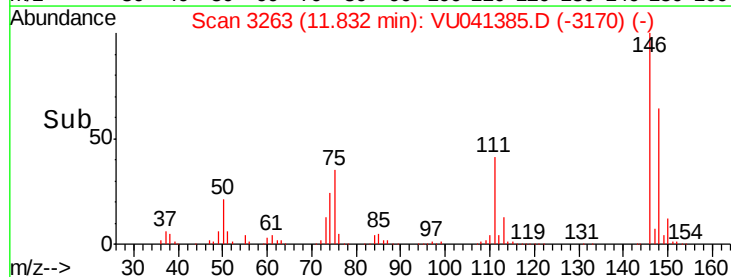
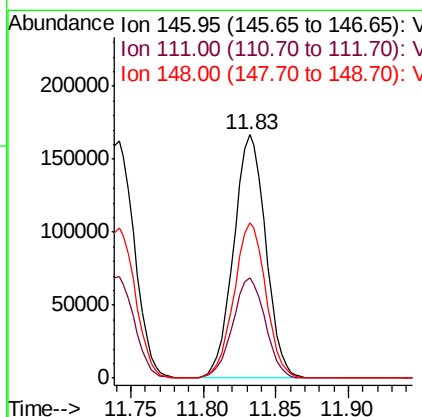
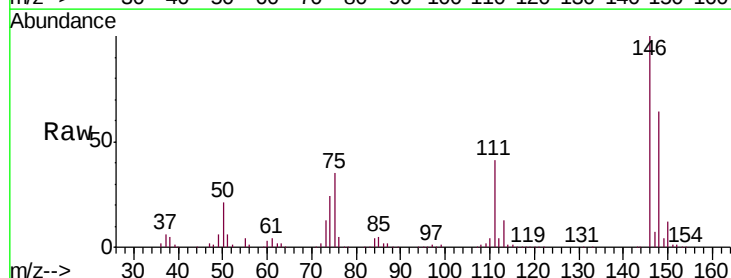
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

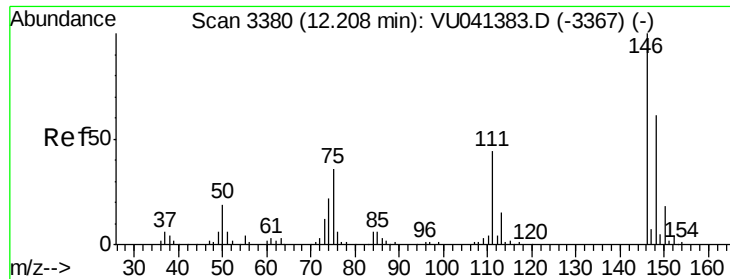
Tgt Ion:146 Resp: 255118
 Ion Ratio Lower Upper
 146 100
 111 42.7 29.5 54.7
 148 63.3 46.3 85.9



#63
 1,4-Dichlorobenzene
 Concen: 19.602 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

Tgt Ion:146 Resp: 256009
 Ion Ratio Lower Upper
 146 100
 111 41.1 30.0 55.6
 148 63.6 44.4 82.5

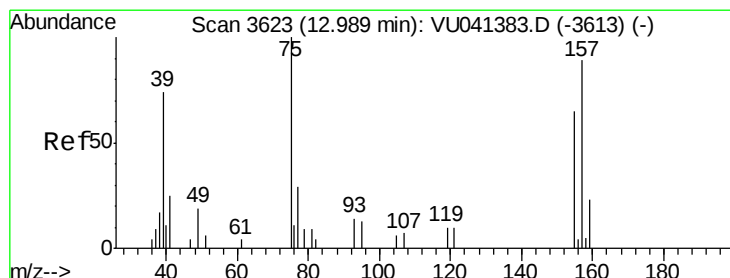
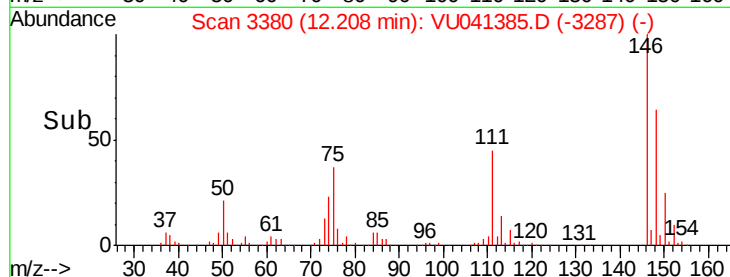
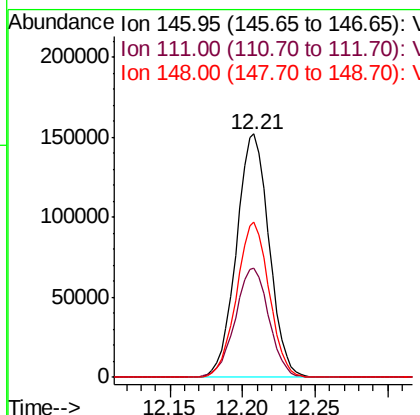
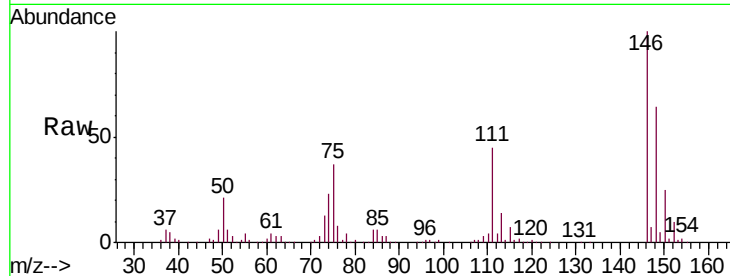




#65
 1,2-Dichlorobenzene
 Concen: 19.105 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

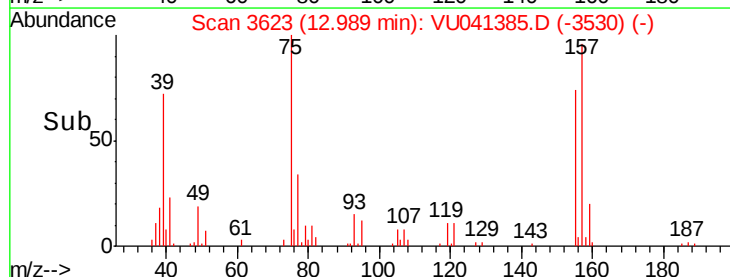
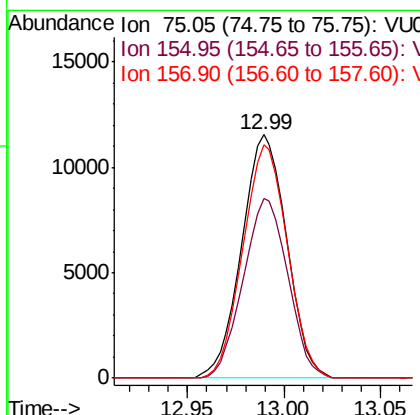
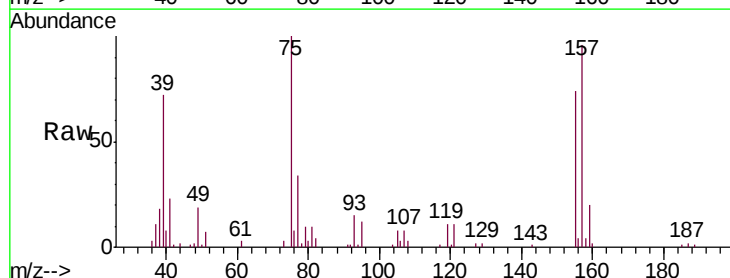
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

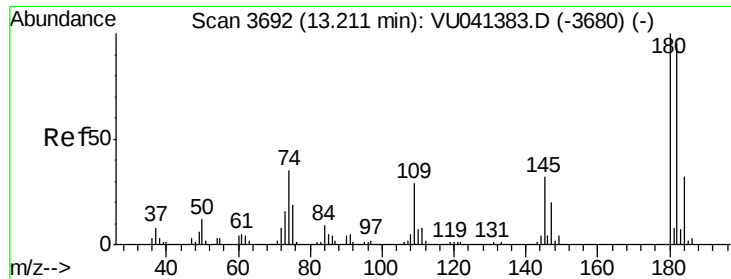
Tgt Ion: 146 Resp: 237585
 Ion Ratio Lower Upper
 146 100
 111 45.0 35.3 52.9
 148 63.5 48.6 73.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 16.531 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

Tgt Ion: 75 Resp: 18726
 Ion Ratio Lower Upper
 75 100
 155 73.8 51.9 77.9
 157 95.9 71.5 107.3

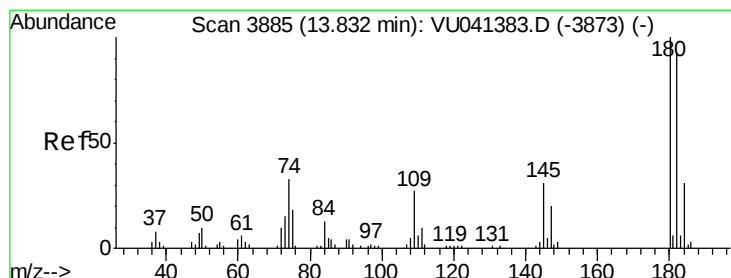
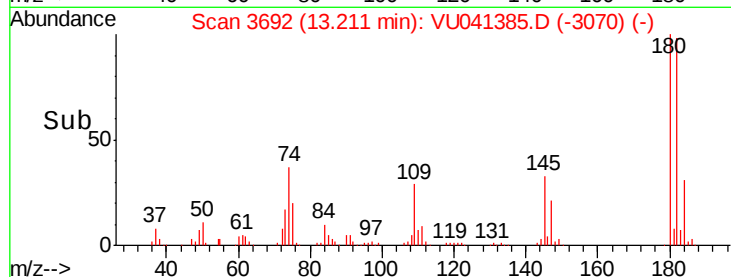
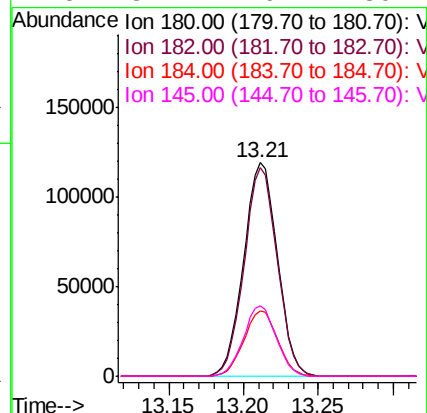
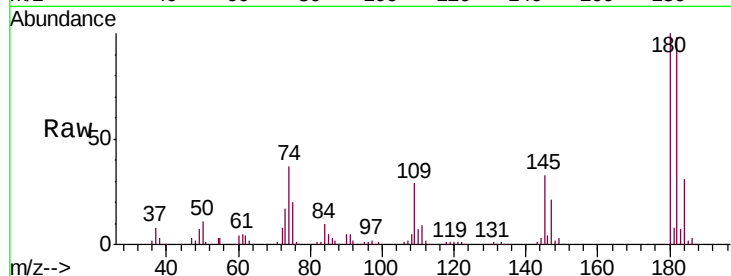




#67
 1,3,5-Trichlorobenzene
 Concen: 20.754 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

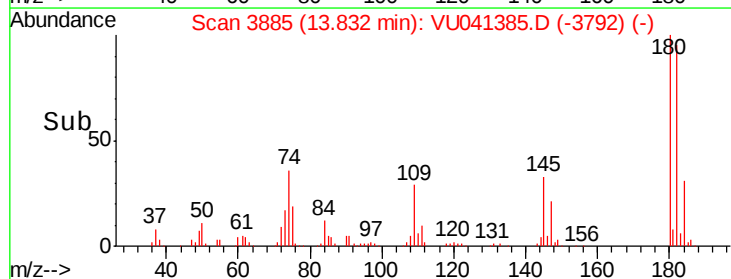
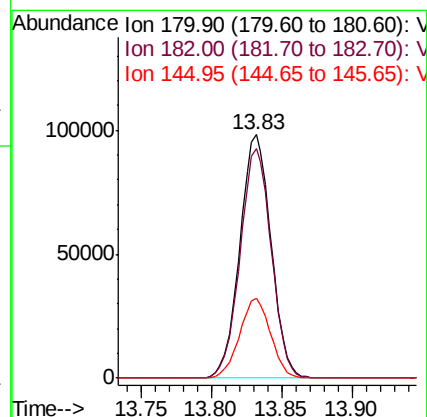
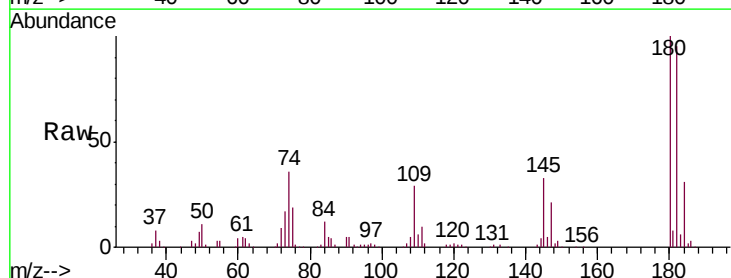
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

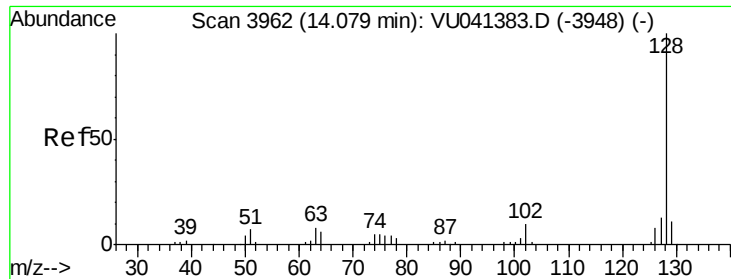
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.5	116.3
184	30.6	25.7	38.5
145	32.2	26.2	39.2



#68
 1,2,4-trichlorobenzene
 Concen: 20.668 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU041385.D
 Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.0	114.0
145	32.6	25.7	38.5





#69

Naphthalene

Concen: 21.704 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041385.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

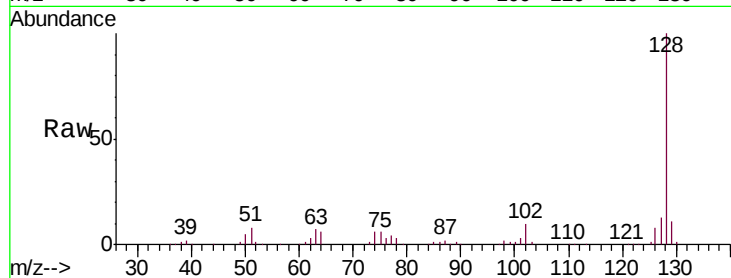
Tgt Ion:128 Resp: 257810

Ion Ratio Lower Upper

128 100

129 10.7 8.3 12.5

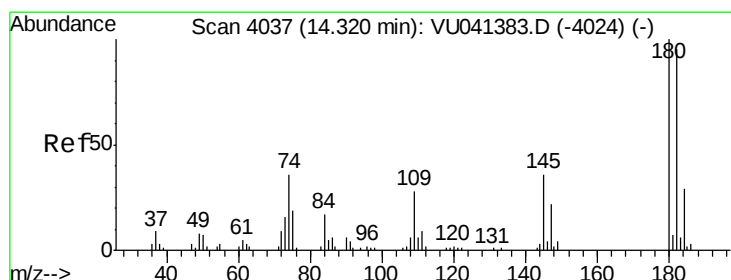
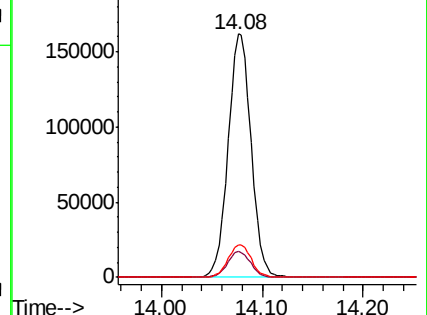
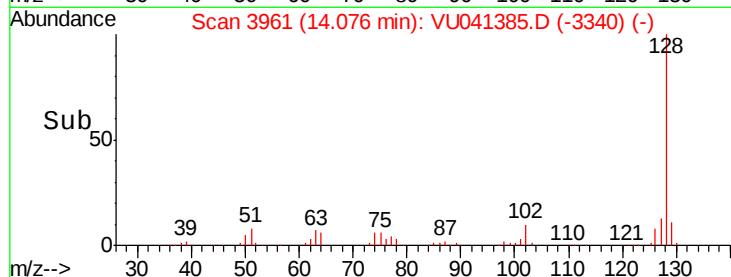
127 13.6 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 19.686 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU041385.D

Acq: 23 Nov 2020 13:30

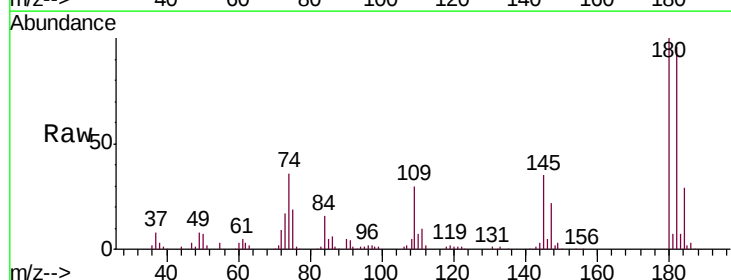
Tgt Ion:180 Resp: 135461

Ion Ratio Lower Upper

180 100

182 94.5 75.9 113.9

145 34.7 27.7 41.5



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

