

Data File : VU041383.D
Acq On : 23 Nov 2020 12:42
Operator : SY/MD
Sample : VSTD00506
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

Quant Time: Nov 24 01:06:40 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	80615	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	78889	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	40738	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26669	4.61	ug/L	0.00
7) Chloroethane-d5	1.92	69	18550	3.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	56263	4.67	ug/L	0.00
20) 2-Butanone-d5	4.64	46	69798	31.67	ug/L	0.00
24) Chloroform-d	5.08	84	56043	4.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	31192	3.90	ug/L	0.00
32) Benzene-d6	5.74	84	92498	4.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	30931	4.32	ug/L	0.00
41) Toluene-d8	7.91	98	93948	4.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	14037	4.58	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	47175	31.21	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25074	3.66	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	33007	4.32	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	40186	5.801 ug/L	100
3) Chloromethane	1.53	50	33154	4.669 ug/L	100
5) Vinyl chloride	1.61	62	34460	4.949 ug/L	100
6) Bromomethane	1.86	94	13783	3.556 ug/L	100
8) Chloroethane	1.94	64	18782	4.196 ug/L	100
9) Trichlorofluoromethane	2.14	101	55559	5.082 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	29895	5.082 ug/L	100
12) 1,1-Dichloroethene	2.59	96	25839	4.950 ug/L	100
13) Acetone	2.64	43	49779	33.326 ug/L	100
14) Carbon disulfide	2.80	76	88828	5.597 ug/L	100
15) Methyl Acetate	2.96	43	12490	3.973 ug/L	100
16) Methylene chloride	3.06	84	32531	4.938 ug/L	100
17) Methyl tert-butyl Ether	3.38	73	64008	4.537 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	27001	5.224 ug/L	100
19) 1,1-Dichloroethane	3.89	63	53281	4.701 ug/L	100
21) 2-Butanone	4.72	43	78294	34.582 ug/L	100
22) cis-1,2-Dichloroethene	4.68	96	29066	5.085 ug/L	100
23) Bromochloromethane	4.99	128	13930	4.923 ug/L	100
25) Chloroform	5.11	83	58257	4.737 ug/L	100
27) 1,2-Dichloroethane	5.81	62	38915	4.486 ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	51557	5.235 ug/L	100
30) Cyclohexane	5.40	56	45452	5.524 ug/L	100
31) Carbon tetrachloride	5.54	117	47223	5.515 ug/L	100
33) Benzene	5.79	78	108986	5.070 ug/L	100
34) Trichloroethene	6.55	95	30850	5.265 ug/L	100
35) Methylcyclohexane	6.77	83	45939	5.732 ug/L	100
37) 1,2-Dichloropropane	6.80	63	30963	4.979 ug/L	100
38) Bromodichloromethane	7.11	83	41693	5.073 ug/L	100
39) cis-1,3-Dichloropropene	7.62	75	43358	5.003 ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	192621	39.733 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	124208	5.406	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	40890	5.025	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	20538	4.394	ug/L	100
47) Tetrachloroethene	8.56	164	23194	5.370	ug/L	100
48) 2-Hexanone	8.69	43	139802	39.019	ug/L	100
49) Dibromochloromethane	8.81	129	26706	4.761	ug/L	100
50) 1,2-Dibromoethane	8.93	107	20194	4.628	ug/L	100
51) Chlorobenzene	9.45	112	77064	5.078	ug/L	100
52) Ethylbenzene	9.57	91	132189	5.338	ug/L	100
53) m,p-Xylene	9.69	106	49763	5.553	ug/L	100
54) o-Xylene	10.10	106	46007	5.362	ug/L	100
55) Styrene	10.11	104	80998	5.377	ug/L	100
56) Isopropylbenzene	10.48	105	127635	5.531	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	26592	4.274	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	19732	4.118	ug/L	100
61) Bromoform	10.29	173	14639	4.055	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	62248	5.072	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	61529	4.895	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	57566	4.810	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	4595	4.215	ug/L	100
67) 1,3,5-Trichlorobenzene	13.21	180	43219	4.990	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	34832	4.914	ug/L	100
69) Naphthalene	14.08	128	52848	4.623	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	32247	4.869	ug/L	100

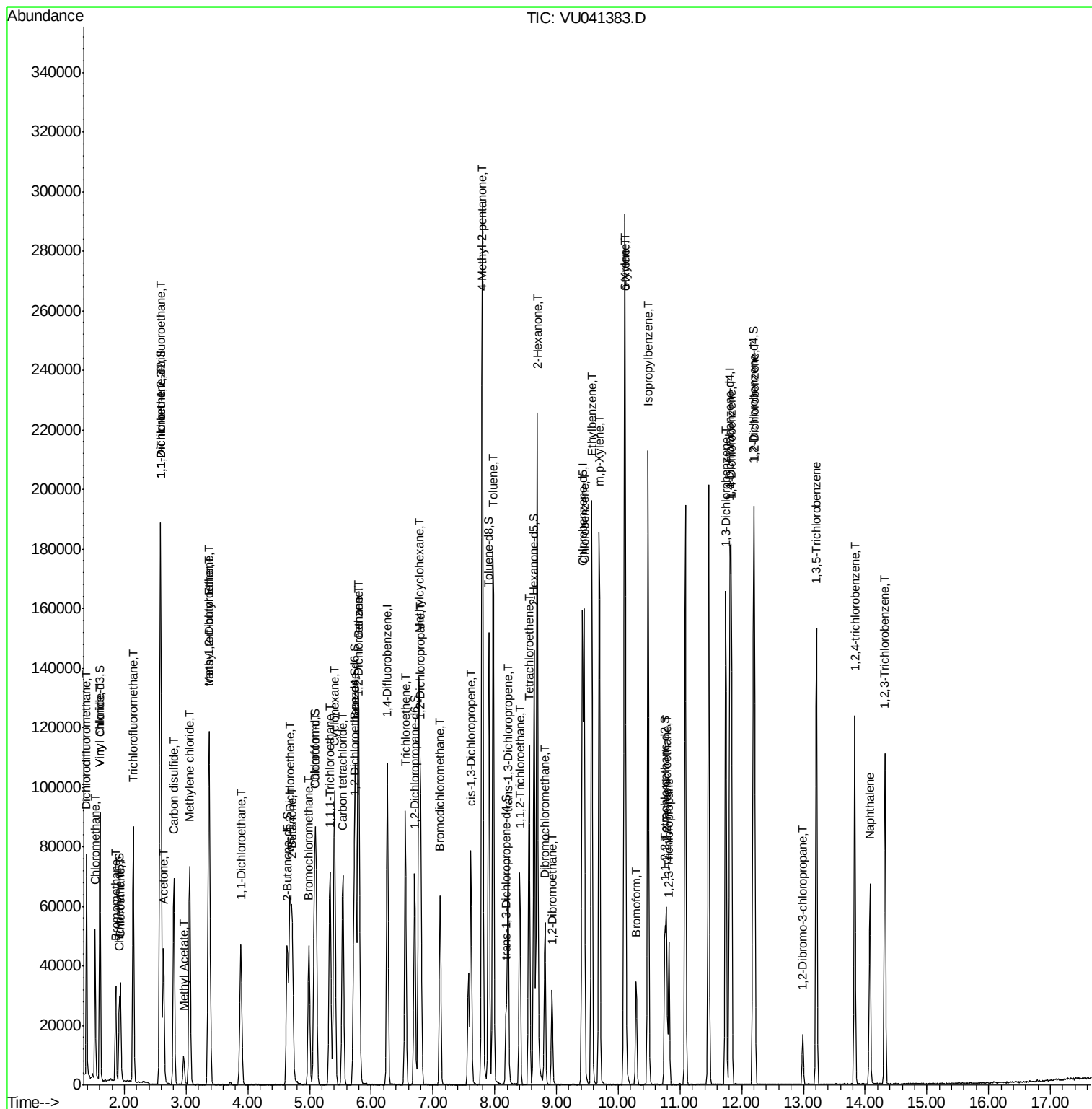
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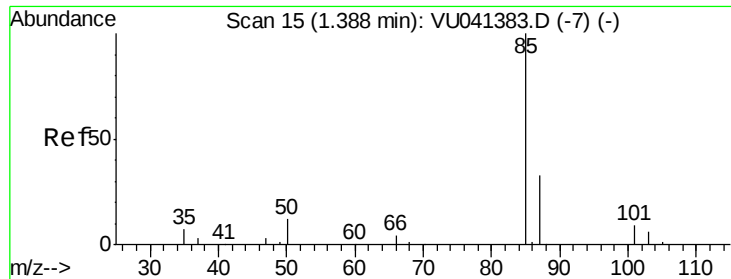
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#2

Dichlorodifluoromethane

Concen: 5.801 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

Instrument :

MSVOA_U

ClientSampleId :

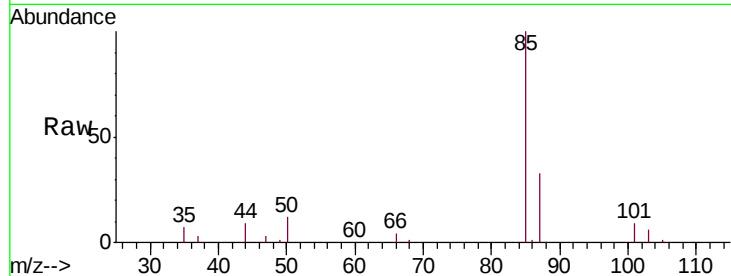
VSTD00506

Tgt Ion: 85 Resp: 40186

Ion Ratio Lower Upper

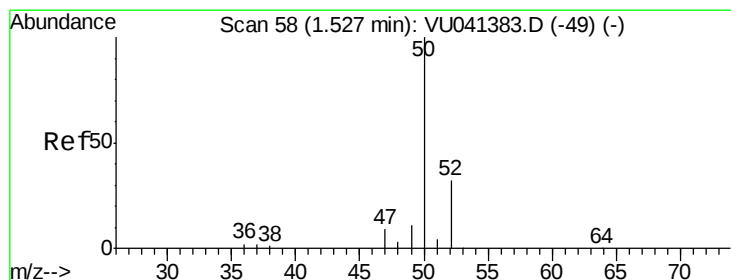
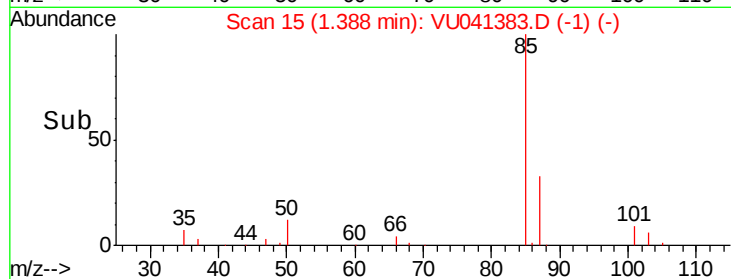
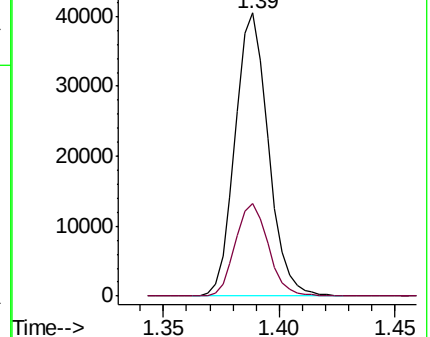
85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU041383.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041383.D (-7) (-)



#3

Chloromethane

Concen: 4.669 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041383.D

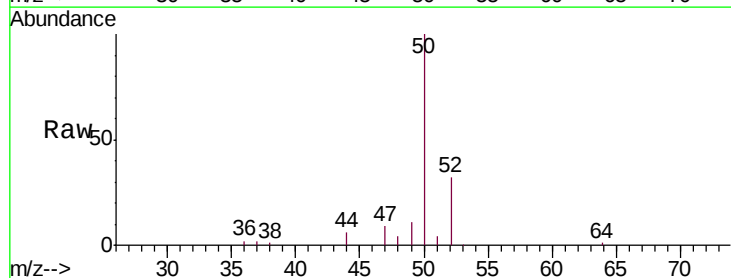
Acq: 23 Nov 2020 12:42

Tgt Ion: 50 Resp: 33154

Ion Ratio Lower Upper

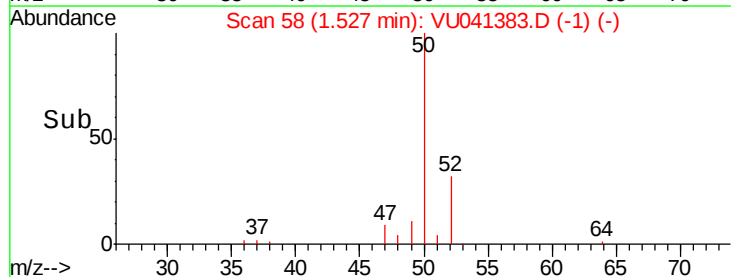
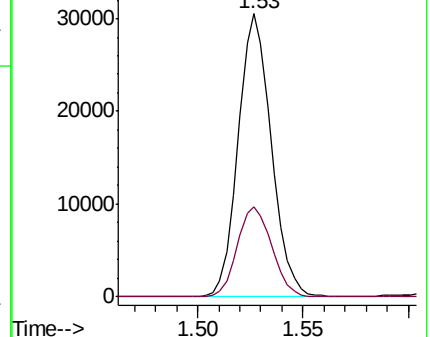
50 100

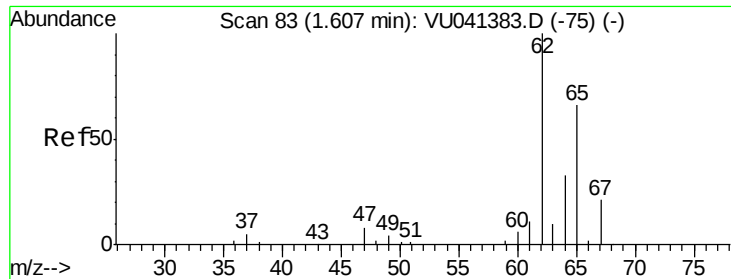
52 31.9 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU041383.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041383.D (-49) (-)





#5

Vinyl chloride

Concen: 4.949 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

Instrument :

MSVOA_U

ClientSampleId :

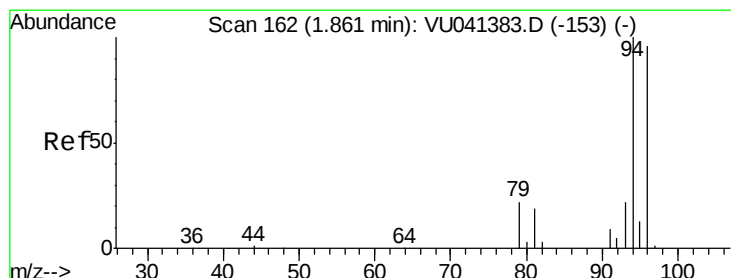
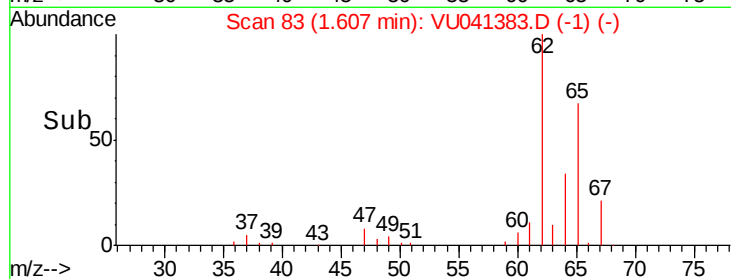
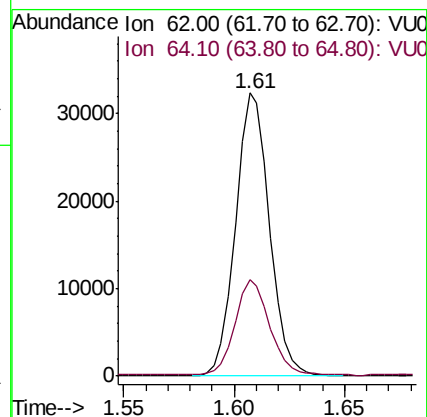
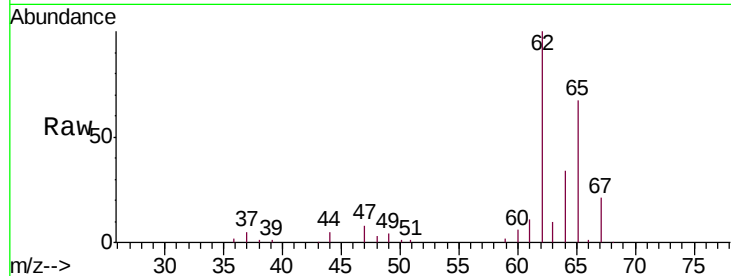
VSTD00506

Tgt Ion: 62 Resp: 34460

Ion Ratio Lower Upper

62 100

64 34.0 23.8 44.2



#6

Bromomethane

Concen: 3.556 ug/L

RT: 1.86 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU041383.D

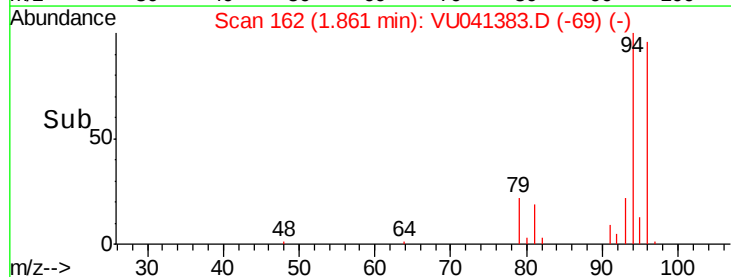
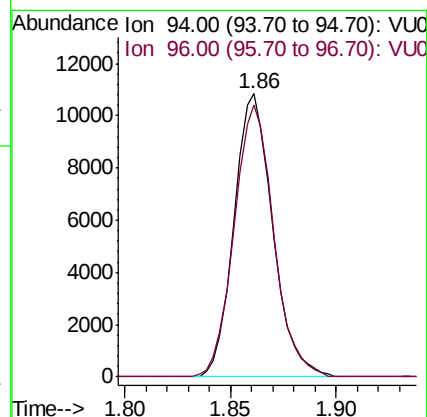
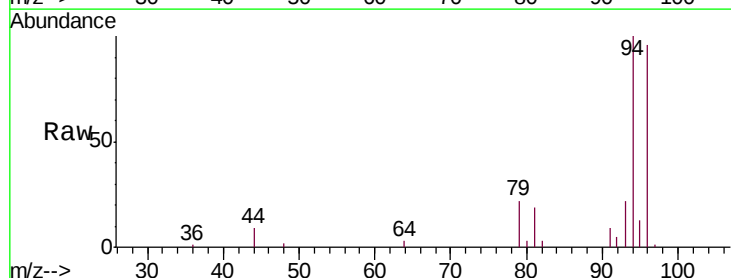
Acq: 23 Nov 2020 12:42

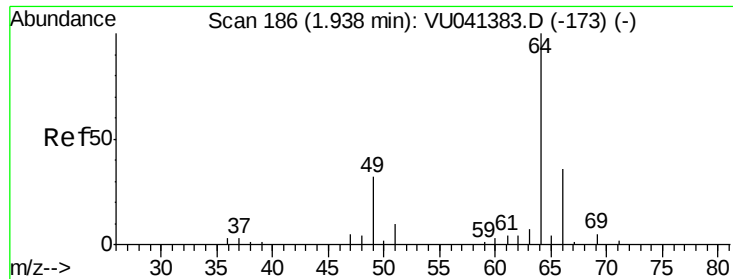
Tgt Ion: 94 Resp: 13783

Ion Ratio Lower Upper

94 100

96 96.0 67.2 124.8

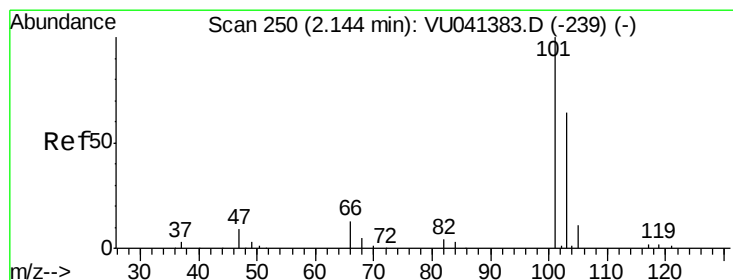
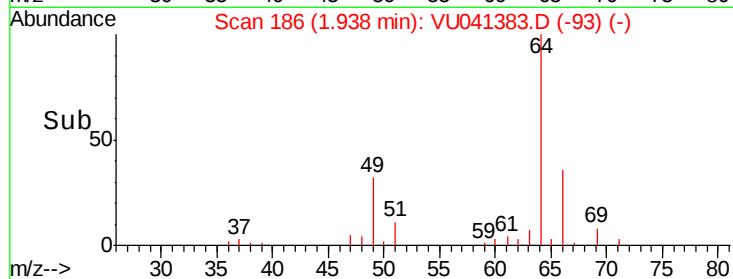
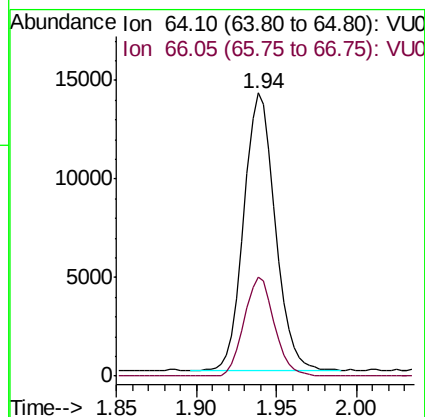
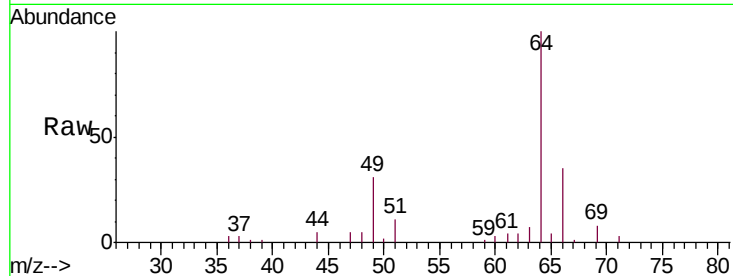




#8
Chloroethane
Concen: 4.196 ug/L
RT: 1.94 min Scan# 186
Delta R.T. 0.00 min
Lab File: VU041383.D
Acq: 23 Nov 2020 12:42

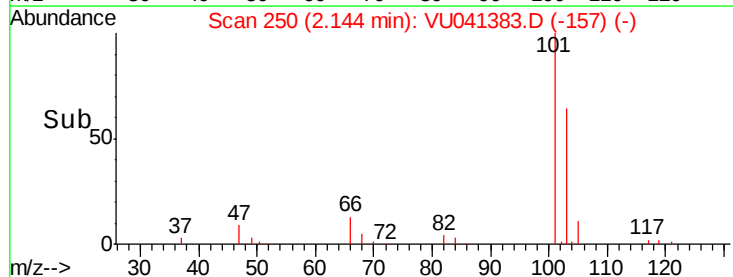
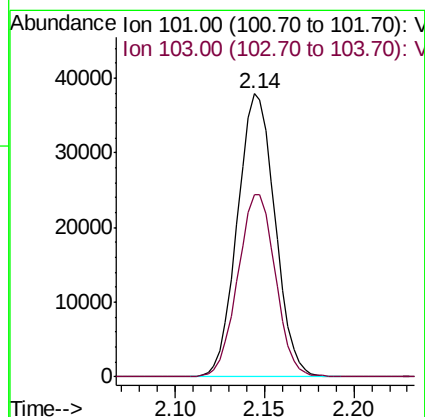
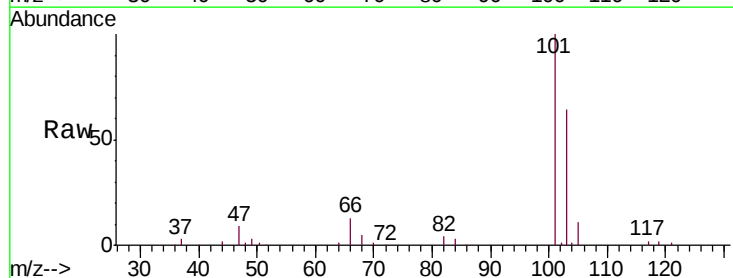
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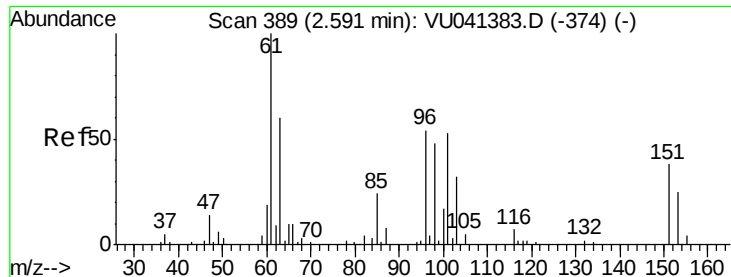
Tgt Ion: 64 Resp: 18782
Ion Ratio Lower Upper
64 100
66 35.2 24.6 45.8



#9
Trichlorofluoromethane
Concen: 5.082 ug/L
RT: 2.14 min Scan# 250
Delta R.T. 0.00 min
Lab File: VU041383.D
Acq: 23 Nov 2020 12:42

Tgt Ion: 101 Resp: 55559
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2





#10

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

Concen: 5.082 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

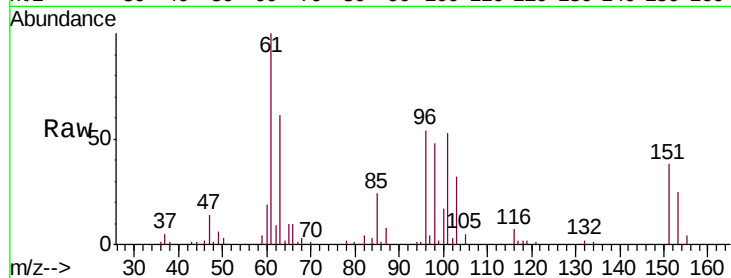
Tgt Ion: 101 Resp: 29895

Ion Ratio Lower Upper

101 100

85 43.9 35.1 52.7

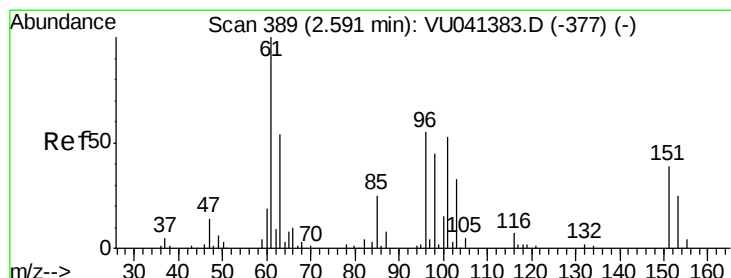
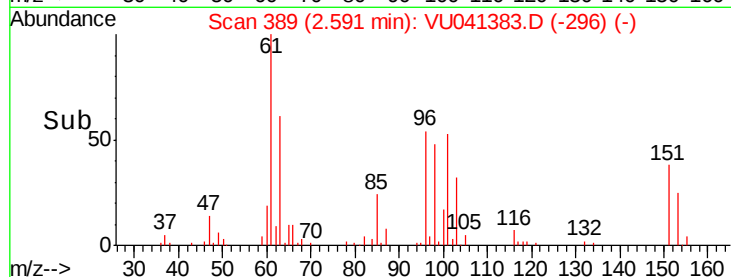
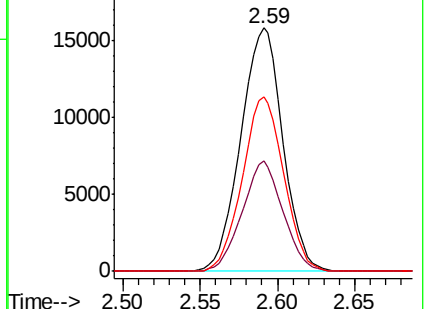
151 70.2 56.2 84.2



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: 4.950 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

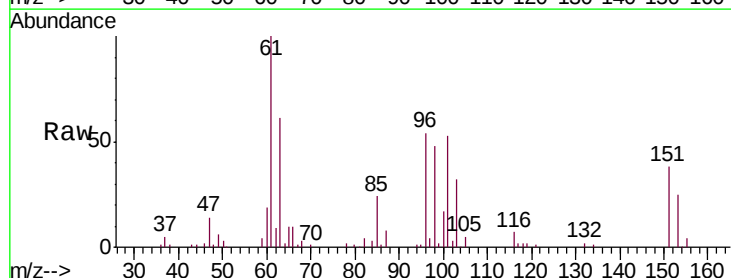
Tgt Ion: 96 Resp: 25839

Ion Ratio Lower Upper

96 100

61 185.5 129.8 241.2

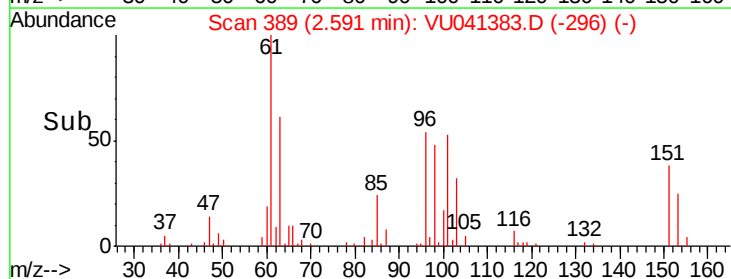
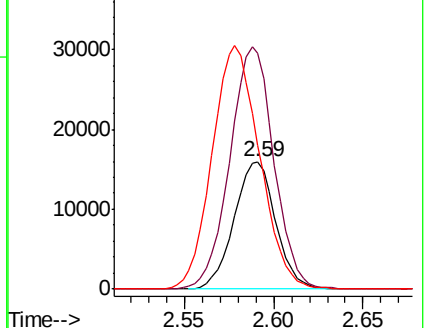
63 113.1 79.2 147.0

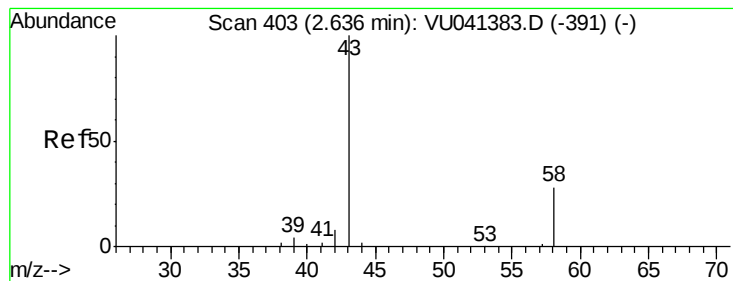


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 33.326 ug/L

RT: 2.64 min Scan# 403

Delta R.T. 0.00 min

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ClientSampleId :

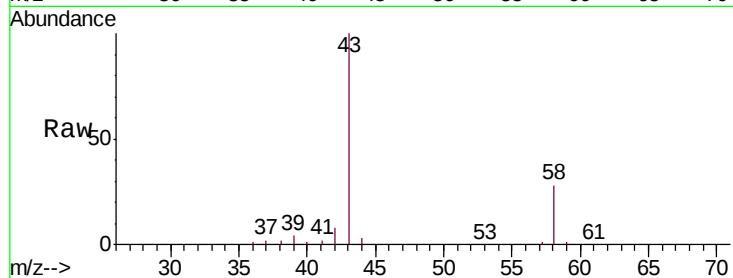
VSTD00506

Tgt Ion: 43 Resp: 49779

Ion Ratio Lower Upper

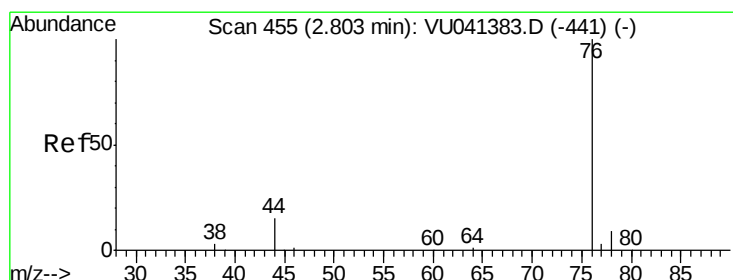
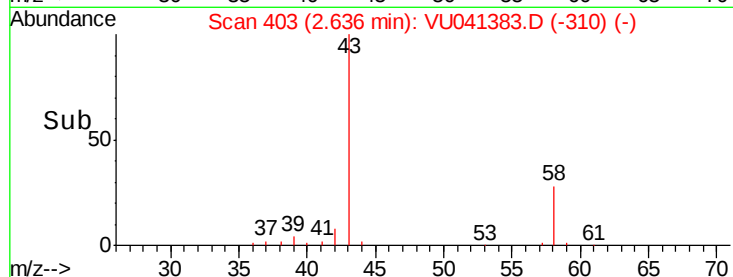
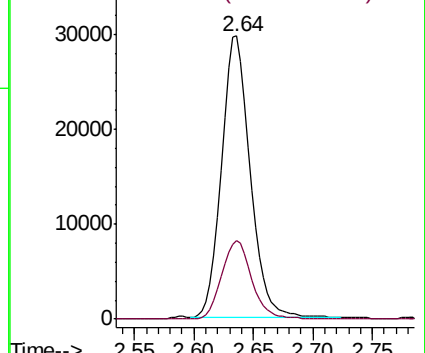
43 100

58 28.9 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 5.597 ug/L

RT: 2.80 min Scan# 455

Delta R.T. 0.00 min

Lab File: VU041383.D

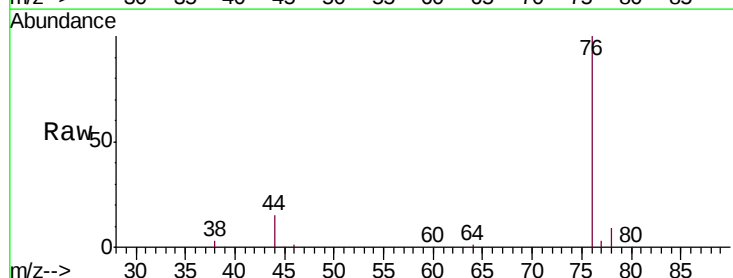
Acq: 23 Nov 2020 12:42

Tgt Ion: 76 Resp: 88828

Ion Ratio Lower Upper

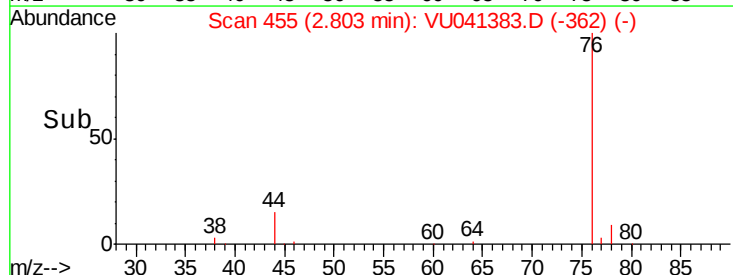
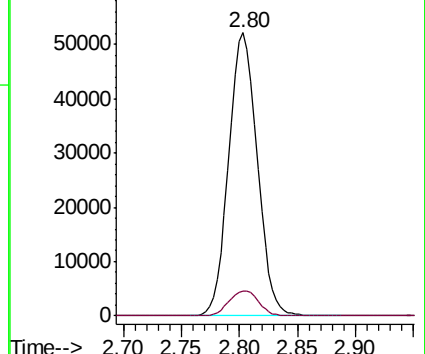
76 100

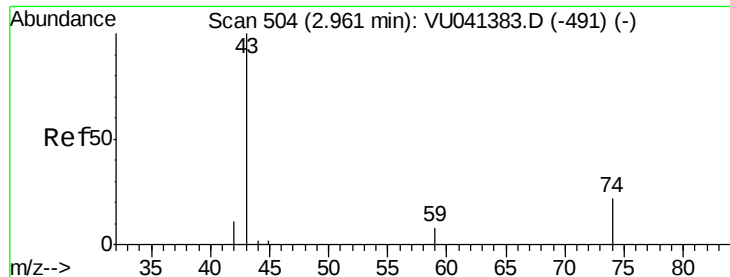
78 8.8 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

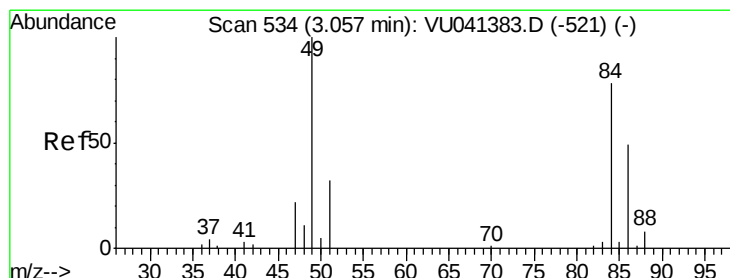
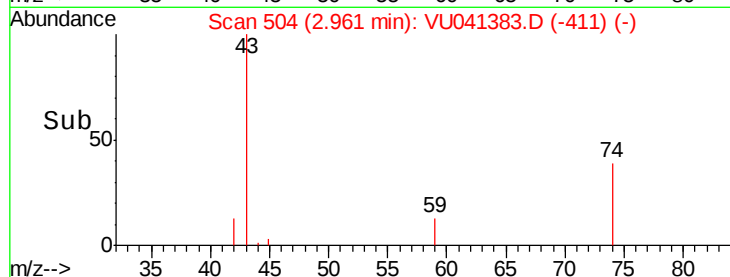
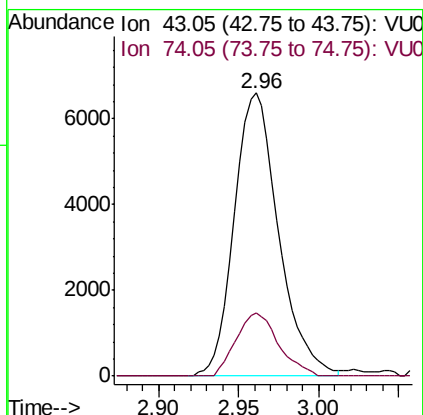
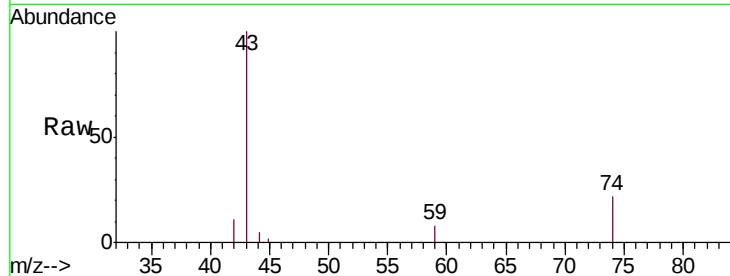




#15
Methyl Acetate
Concen: 3.973 ug/L
RT: 2.96 min Scan# 504
Delta R.T. 0.00 min
Lab File: VU041383.D
Acq: 23 Nov 2020 12:42

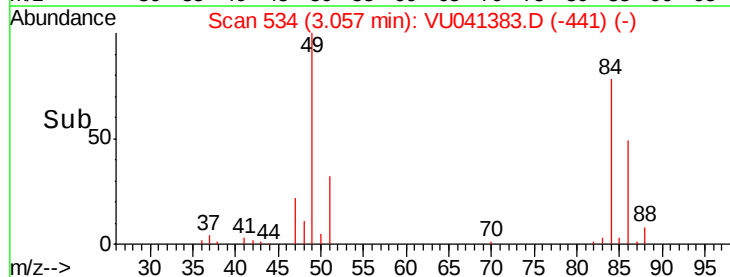
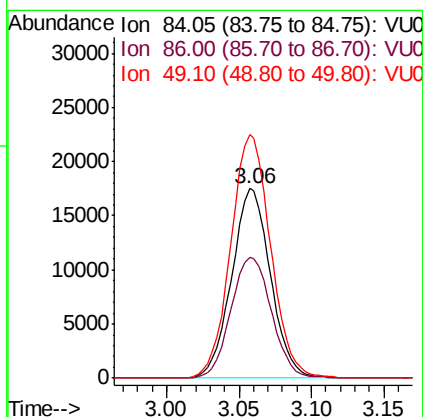
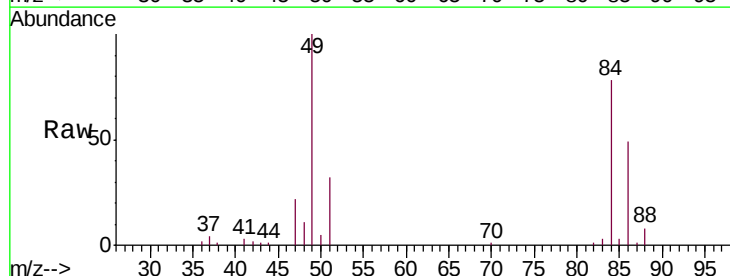
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

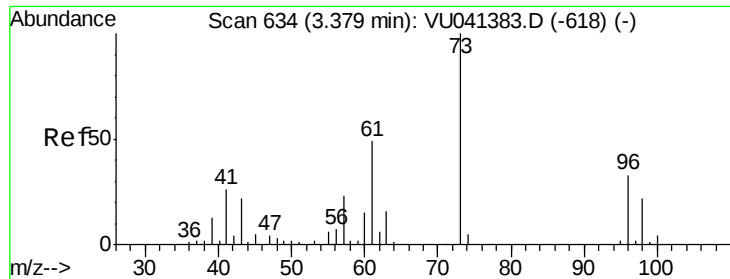
Tgt Ion: 43 Resp: 12490
Ion Ratio Lower Upper
43 100
74 21.3 17.0 25.6



#16
Methylene chloride
Concen: 4.938 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.00 min
Lab File: VU041383.D
Acq: 23 Nov 2020 12:42

Tgt Ion: 84 Resp: 32531
Ion Ratio Lower Upper
84 100
86 63.5 44.4 82.5
49 128.5 89.9 167.0

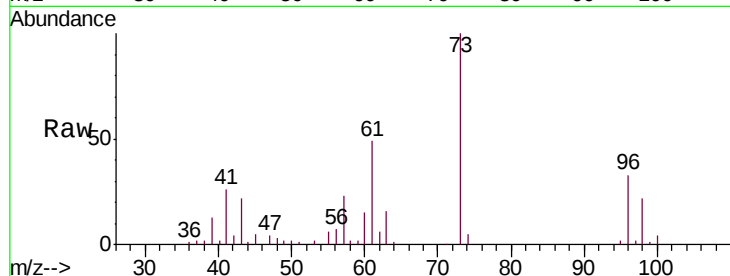




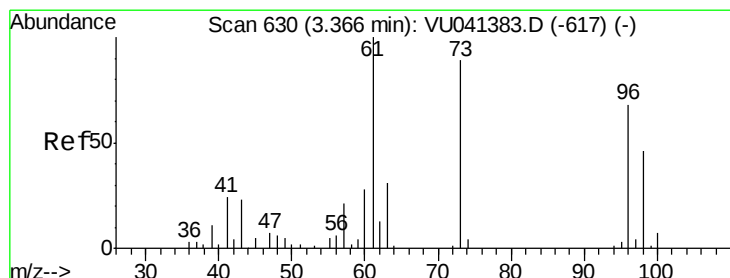
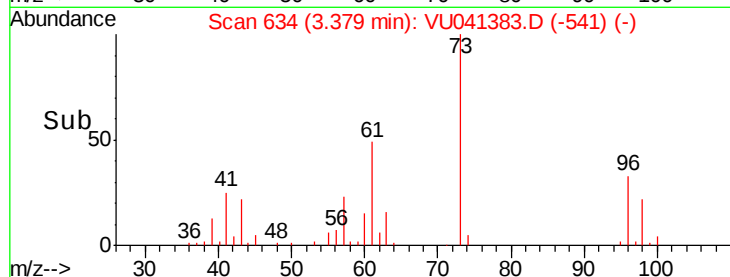
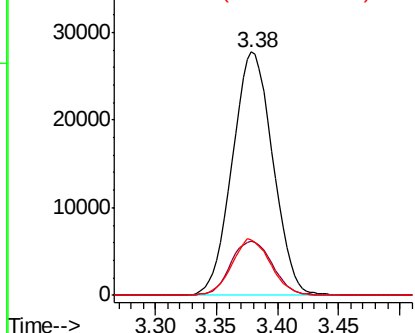
#17
Methyl tert-butyl Ether
Concen: 4.537 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041383.D
Acq: 23 Nov 2020 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

Tgt Ion: 73 Resp: 64008
Ion Ratio Lower Upper
73 100
43 22.9 18.3 27.5
57 22.1 17.7 26.5

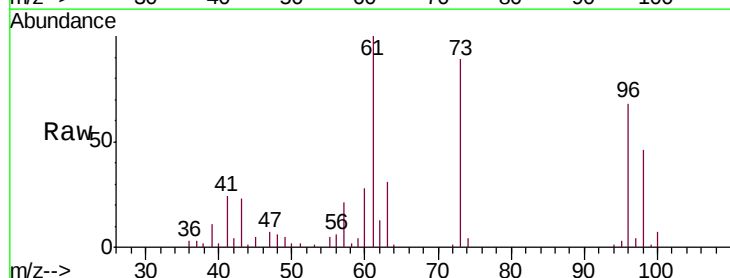


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

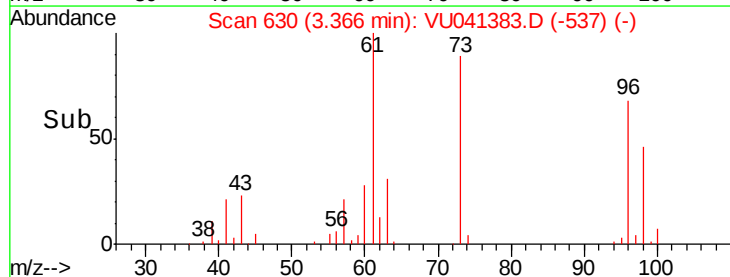
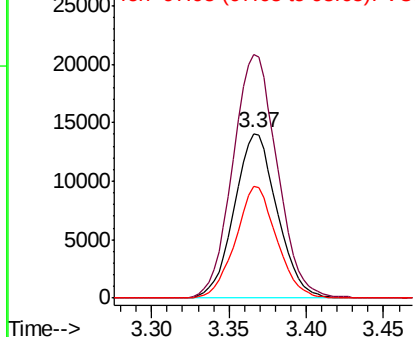


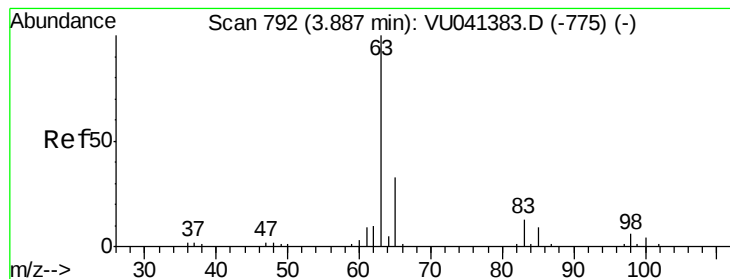
#18
trans-1,2-Dichloroethene
Concen: 5.224 ug/L
RT: 3.37 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU041383.D
Acq: 23 Nov 2020 12:42

Tgt Ion: 96 Resp: 27001
Ion Ratio Lower Upper
96 100
61 148.1 103.7 192.5
98 67.9 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: 4.701 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

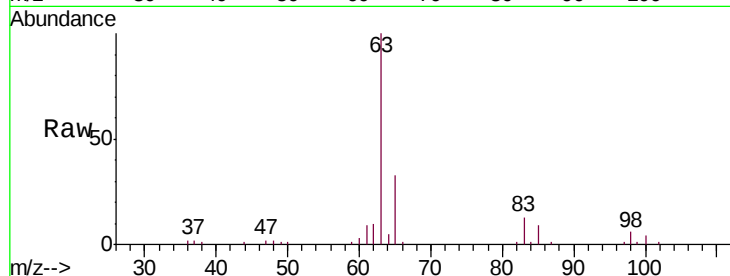
Tgt Ion: 63 Resp: 53281

Ion Ratio Lower Upper

63 100

65 32.9 23.0 42.8

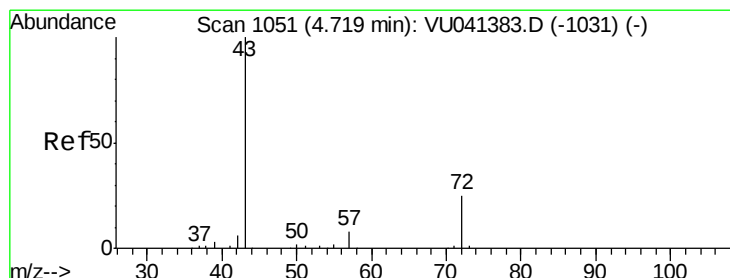
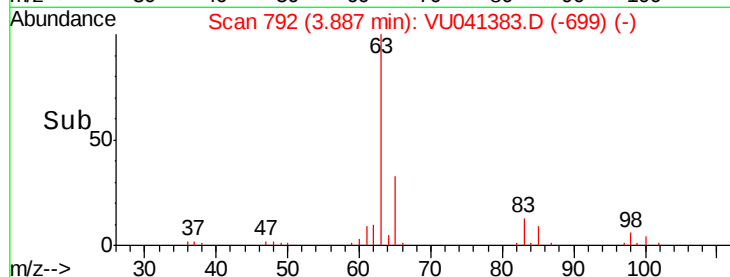
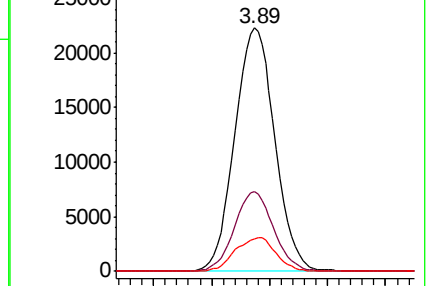
83 13.4 9.4 17.4



Abundance Ion 63.10 (62.80 to 63.80): VU041383.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU041383.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU041383.D (-775) (-)



#21

2-Butanone

Concen: 34.582 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU041383.D

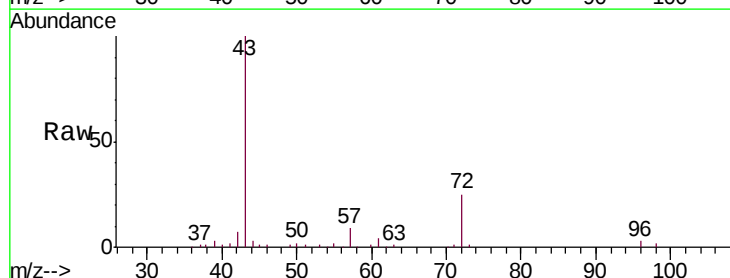
Acq: 23 Nov 2020 12:42

Tgt Ion: 43 Resp: 78294

Ion Ratio Lower Upper

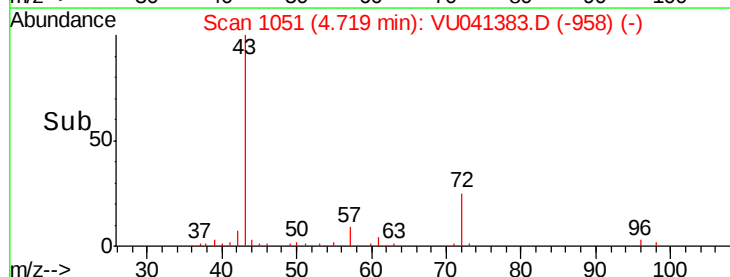
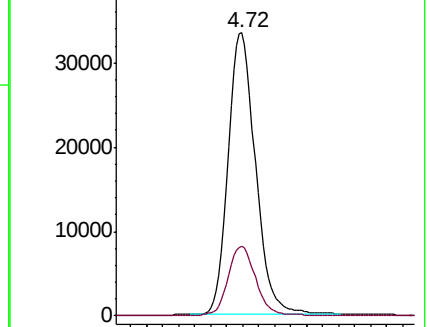
43 100

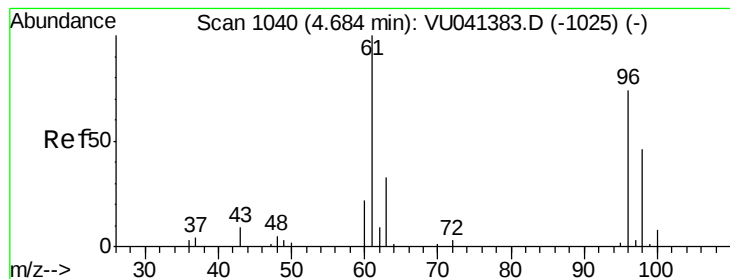
72 25.1 12.6 37.6



Abundance Ion 43.05 (42.75 to 43.75): VU041383.D (-1031) (-)

Ion 72.10 (71.80 to 72.80): VU041383.D (-1031) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.085 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

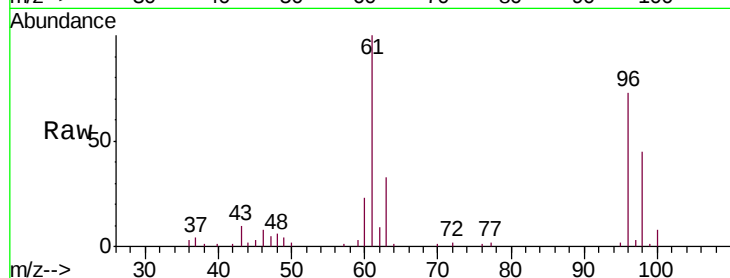
Tgt Ion: 96 Resp: 29066

Ion Ratio Lower Upper

96 100

61 136.1 95.3 176.9

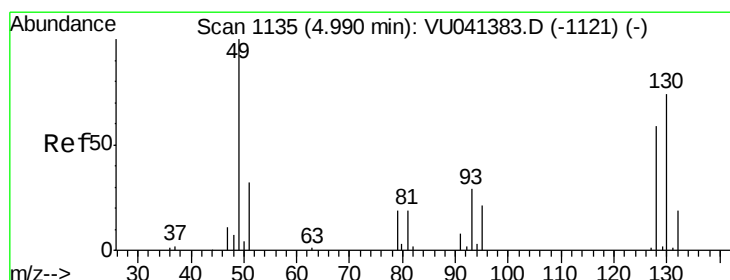
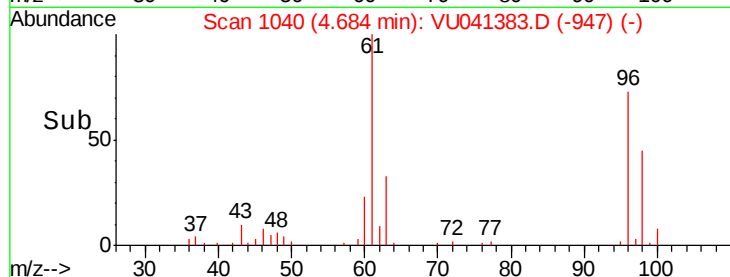
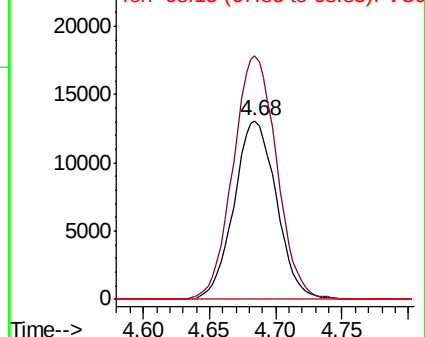
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.923 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

Tgt Ion: 128 Resp: 13930

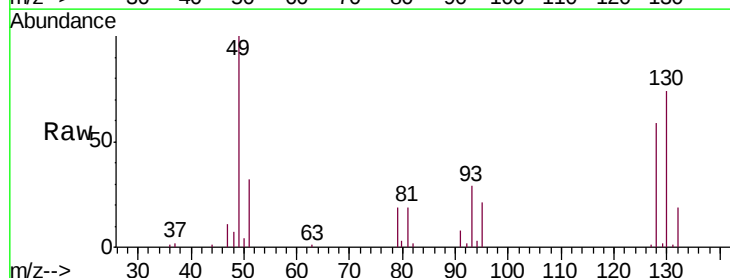
Ion Ratio Lower Upper

128 100

49 169.9 118.9 220.9

130 126.1 88.3 163.9

51 54.0 43.2 64.8

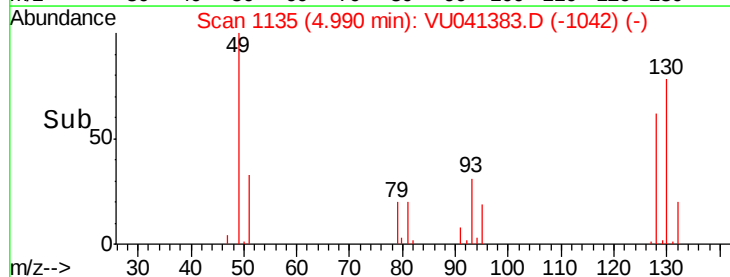
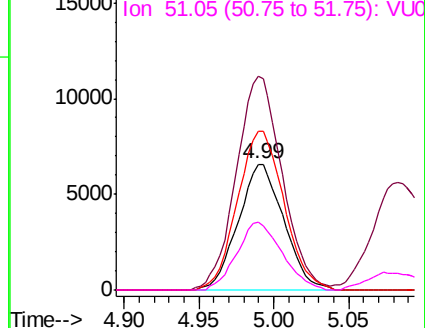


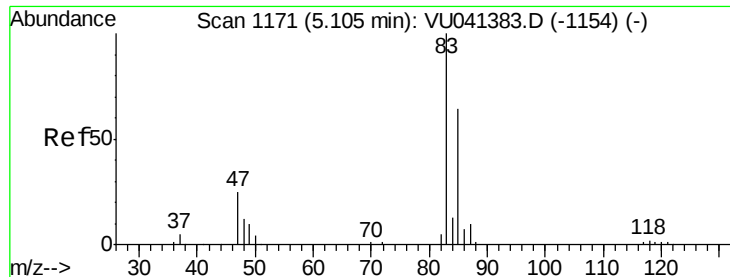
Abundance Ion 127.90 (127.60 to 128.60): V

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

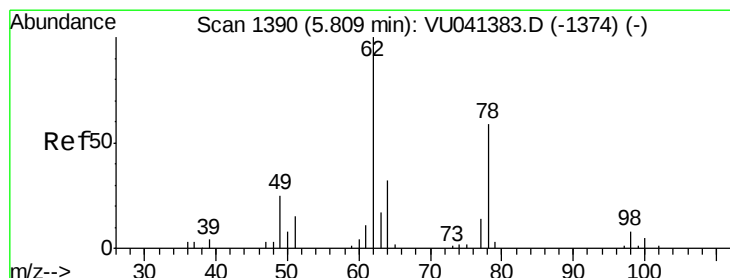
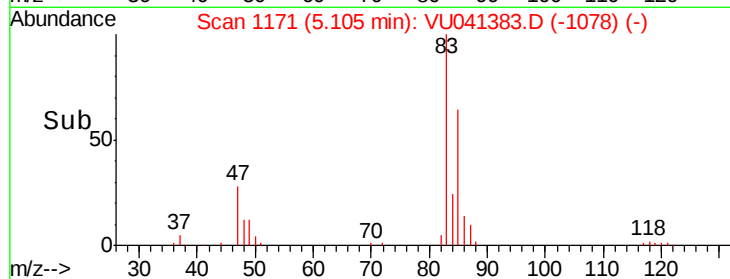
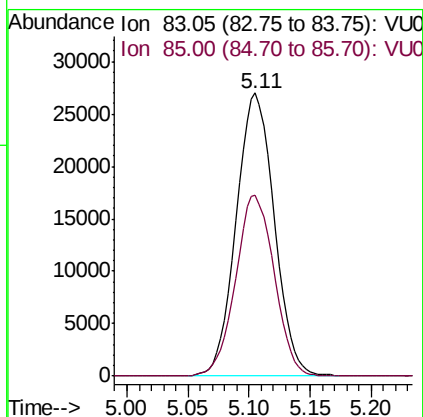
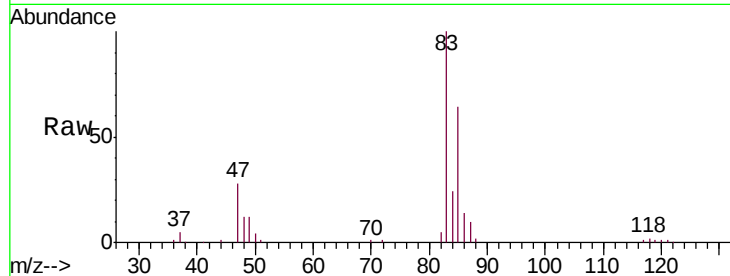




#25
Chloroform
Concen: 4.737 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041383.D
Acq: 23 Nov 2020 12:42

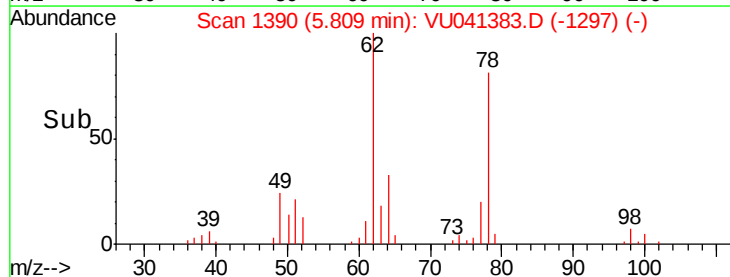
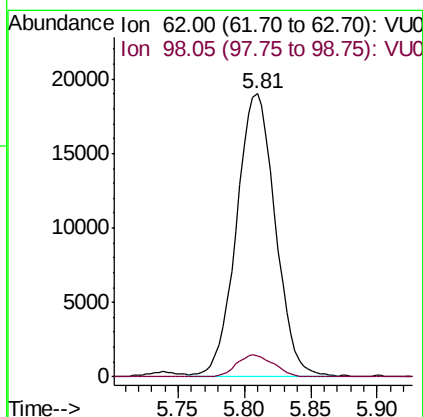
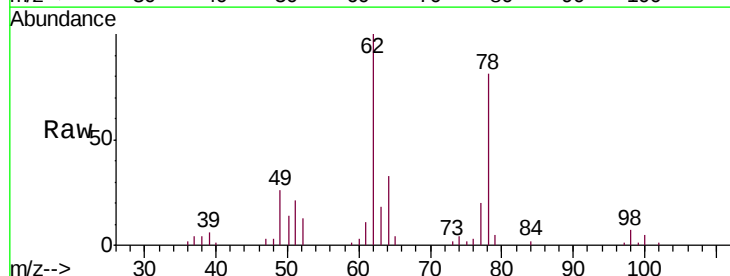
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

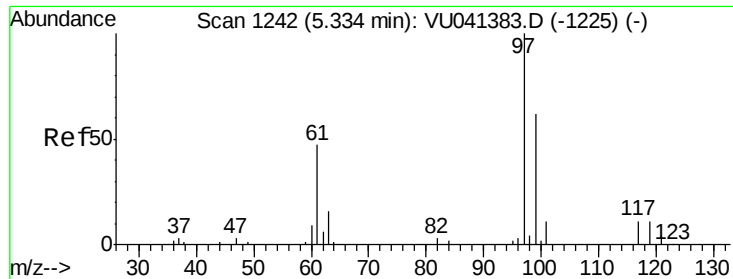
Tgt Ion: 83 Resp: 58257
Ion Ratio Lower Upper
83 100
85 63.8 44.7 82.9



#27
1,2-Dichloroethane
Concen: 4.486 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041383.D
Acq: 23 Nov 2020 12:42

Tgt Ion: 62 Resp: 38915
Ion Ratio Lower Upper
62 100
98 7.5 6.0 9.0

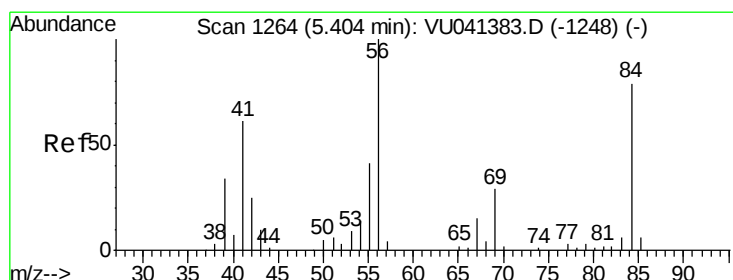
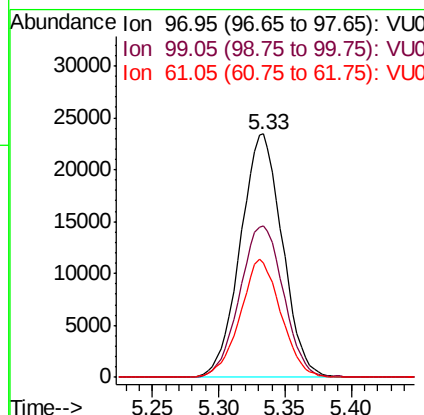
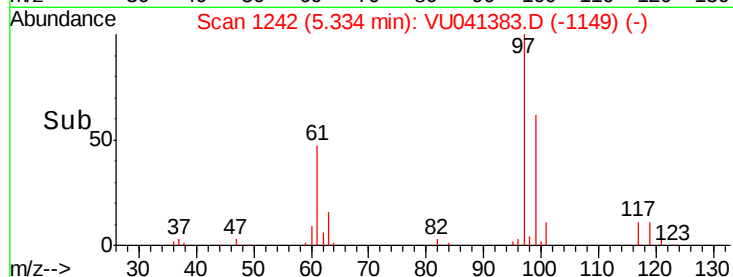
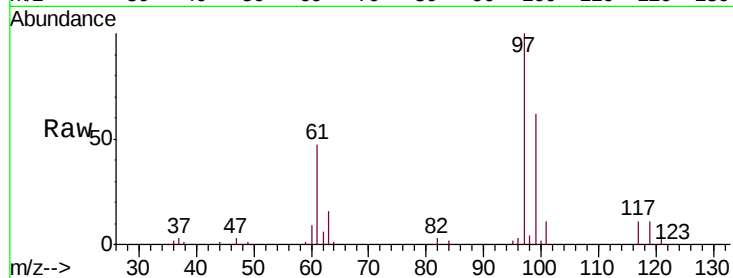




#29
1,1,1-Trichloroethane
Concen: 5.235 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041383.D
Acq: 23 Nov 2020 12:42

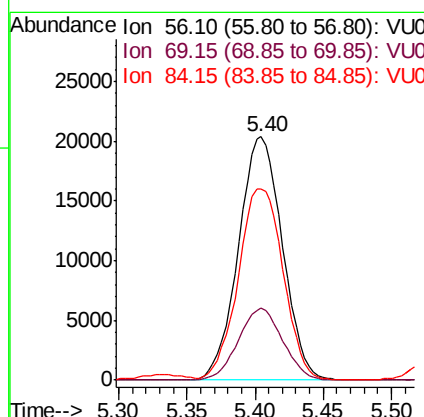
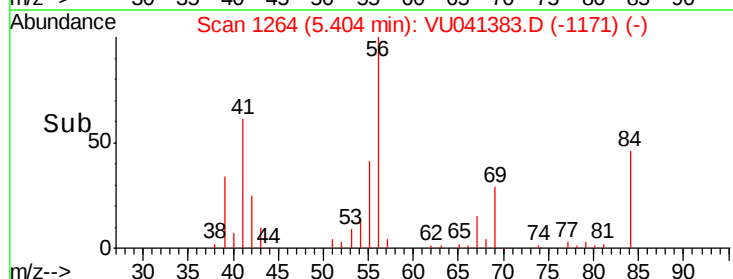
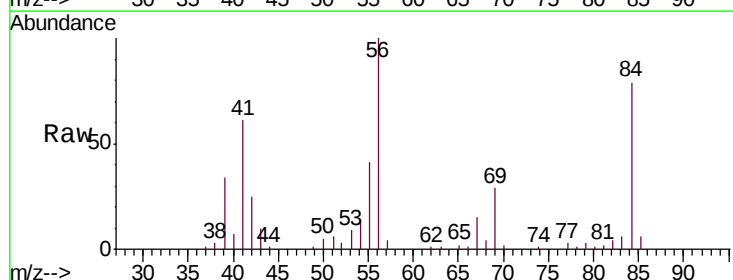
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

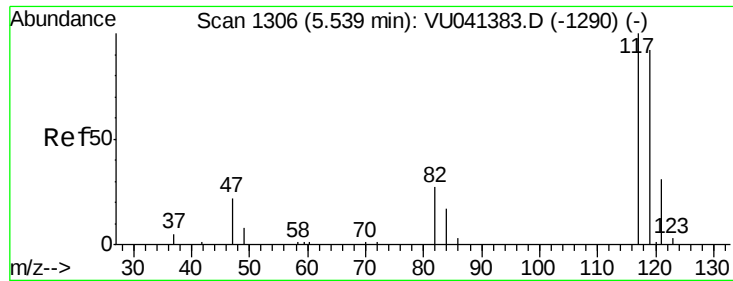
Tgt Ion: 97 Resp: 51557
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.6
61 47.2 37.8 56.6



#30
Cyclohexane
Concen: 5.524 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041383.D
Acq: 23 Nov 2020 12:42

Tgt Ion: 56 Resp: 45452
Ion Ratio Lower Upper
56 100
69 29.7 23.8 35.6
84 80.8 64.6 97.0





#31

Carbon tetrachloride

Concen: 5.515 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

Instrument :

MSVOA_U

ClientSampleId :

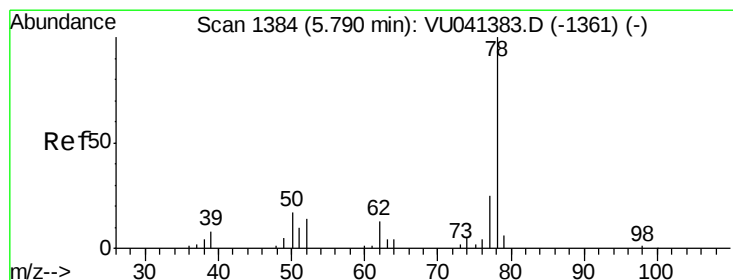
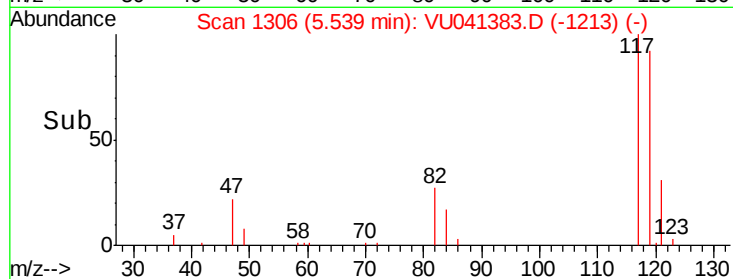
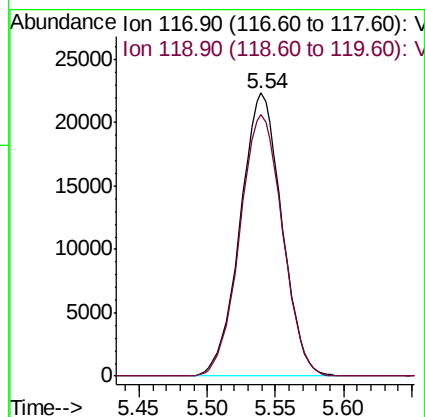
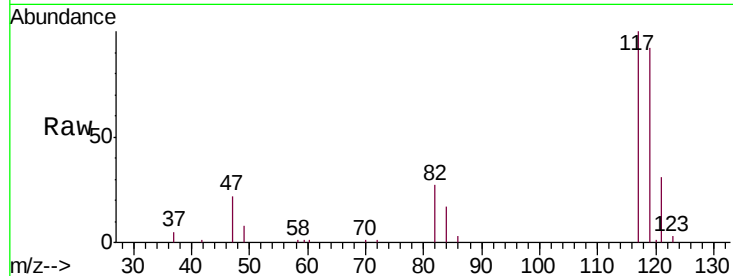
VSTD00506

Tgt Ion:117 Resp: 47223

Ion Ratio Lower Upper

117 100

119 94.9 75.9 113.9



#33

Benzene

Concen: 5.070 ug/L

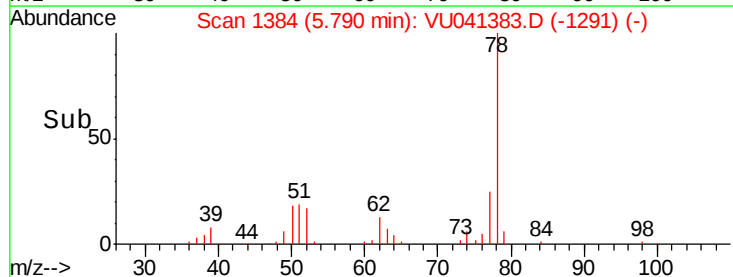
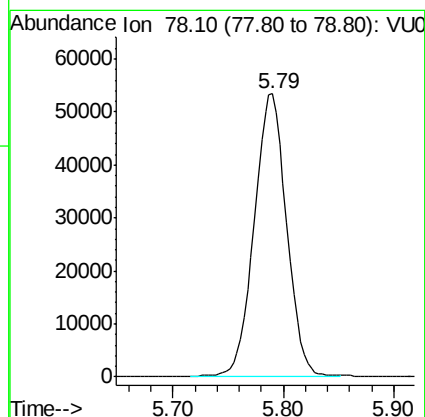
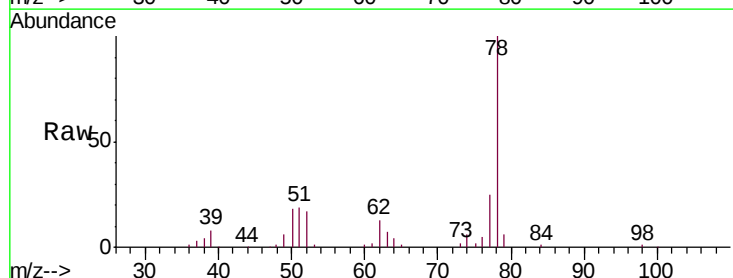
RT: 5.79 min Scan# 1384

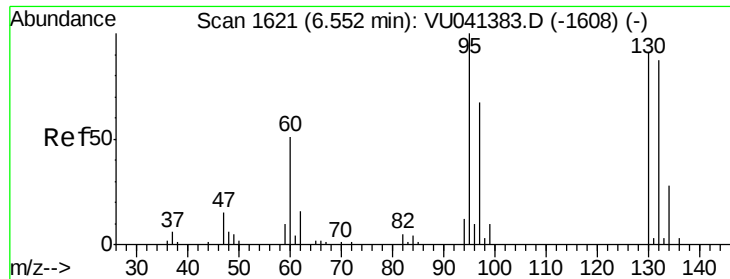
Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

Tgt Ion: 78 Resp: 108986

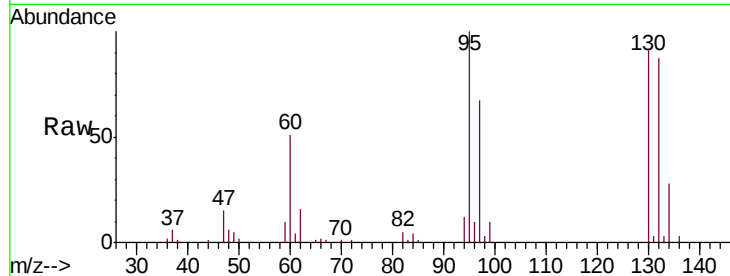




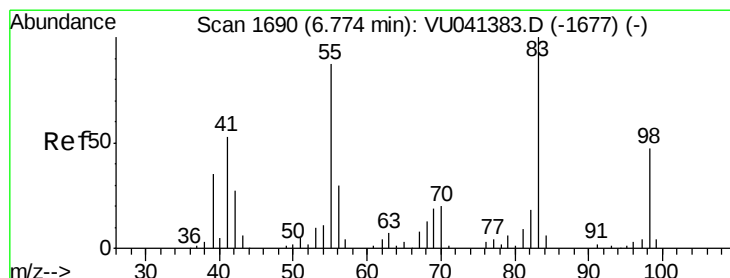
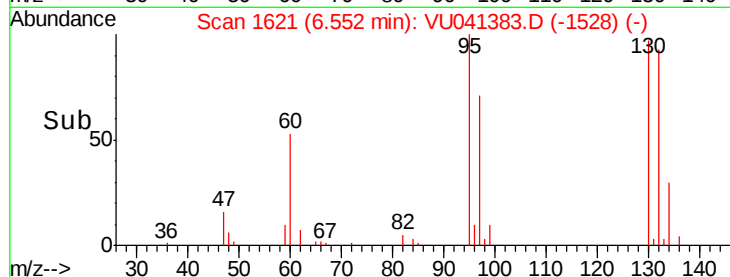
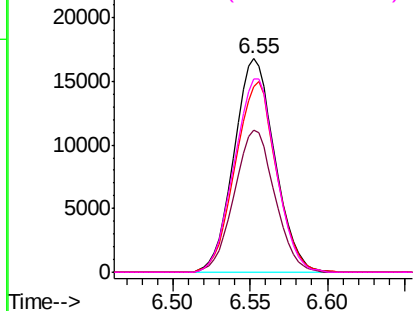
#34
 Trichloroethene
 Concen: 5.265 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041383.D
 Acq: 23 Nov 2020 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Tgt Ion: 95 Resp: 30850
 Ion Ratio Lower Upper
 95 100
 97 66.5 46.5 86.5
 132 86.9 60.8 113.0
 130 90.5 63.3 117.7

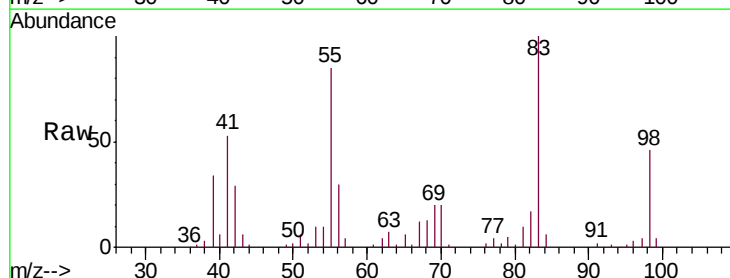


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

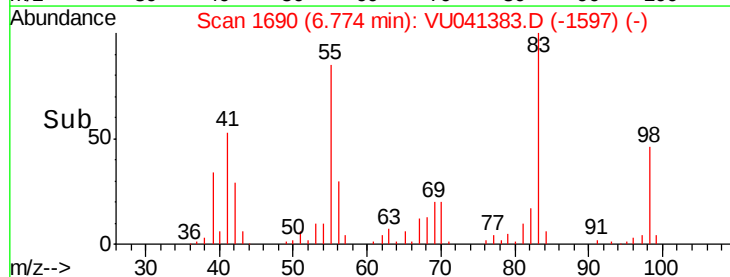
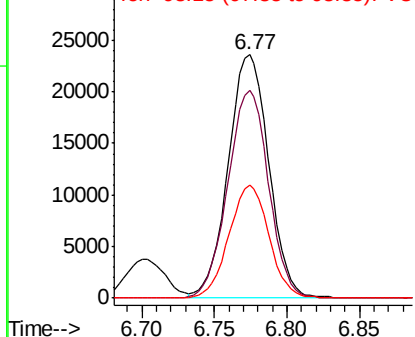


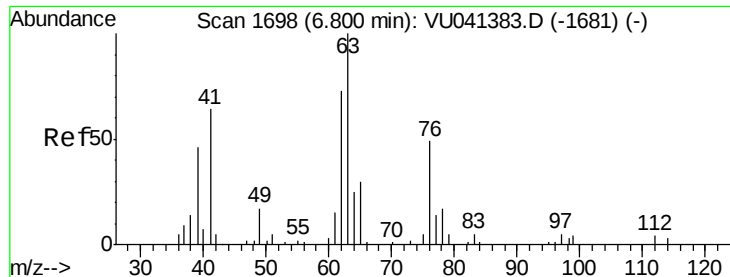
#35
 Methylcyclohexane
 Concen: 5.732 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041383.D
 Acq: 23 Nov 2020 12:42

Tgt Ion: 83 Resp: 45939
 Ion Ratio Lower Upper
 83 100
 55 85.5 68.4 102.6
 98 45.6 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

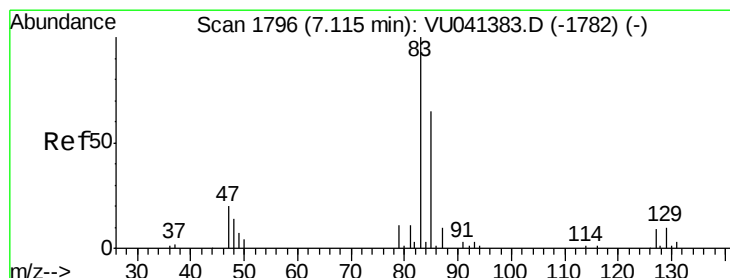
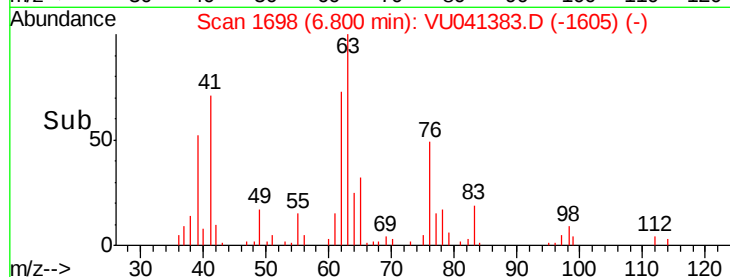
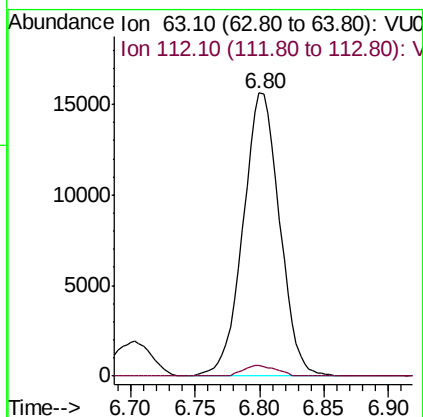
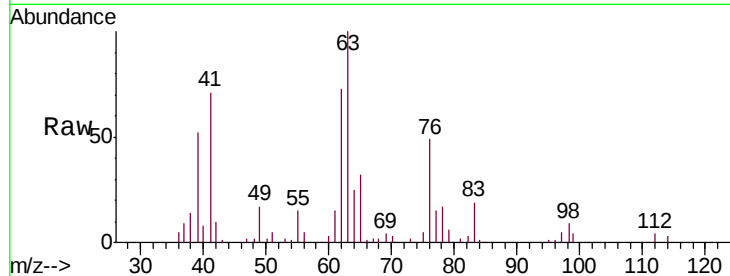




#37
 1,2-Dichloropropane
 Concen: 4.979 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU041383.D
 Acq: 23 Nov 2020 12:42

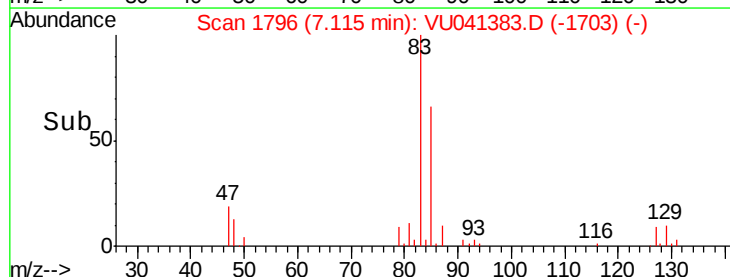
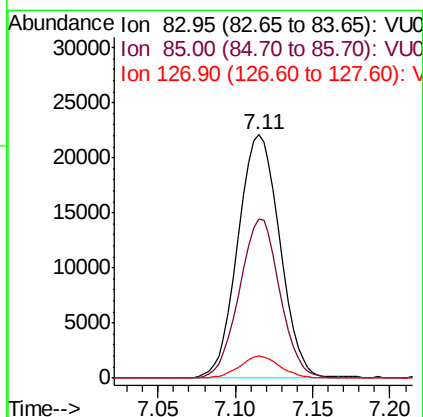
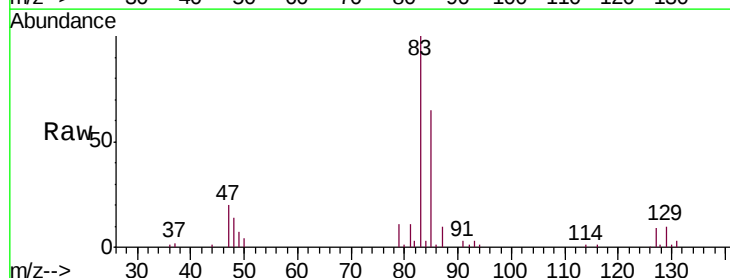
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

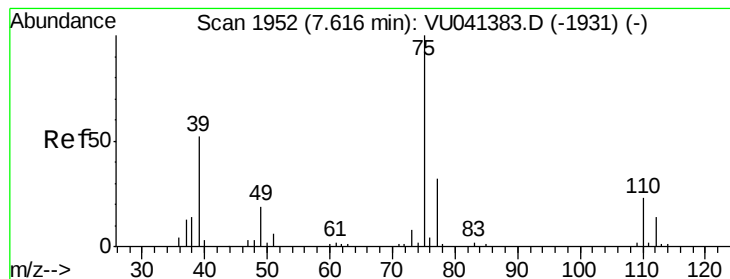
Tgt Ion: 63 Resp: 30963
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.6 4.0



#38
 Bromodichloromethane
 Concen: 5.073 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041383.D
 Acq: 23 Nov 2020 12:42

Tgt Ion: 83 Resp: 41693
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.7 84.9
 127 8.9 7.1 10.7



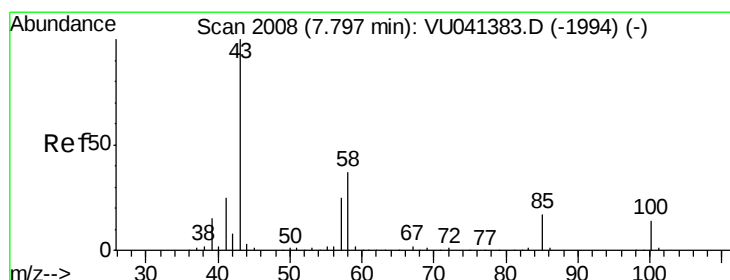
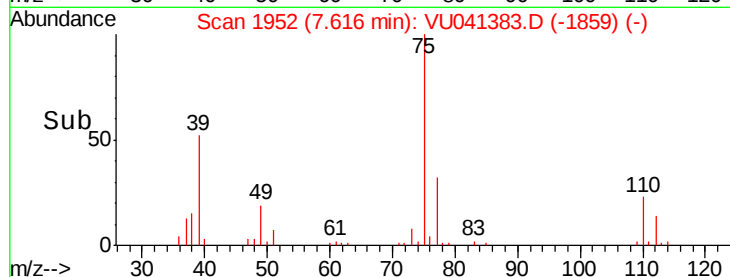
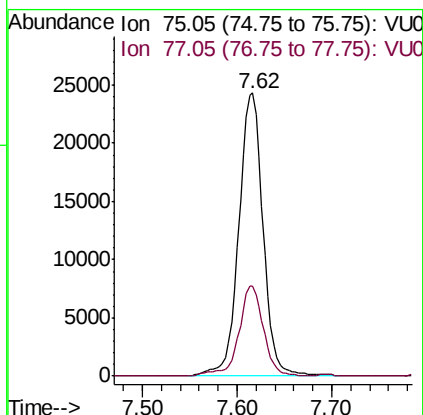
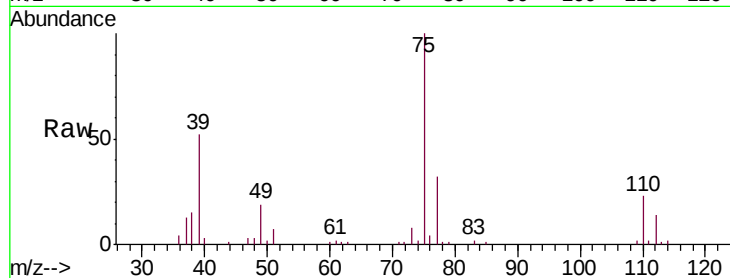


#39

cis-1,3-Dichloropropene
 Concen: 5.003 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041383.D
 Acq: 23 Nov 2020 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

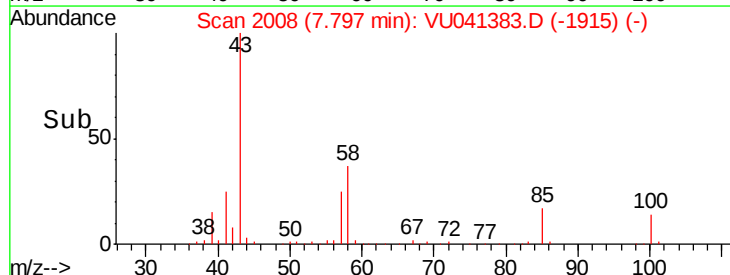
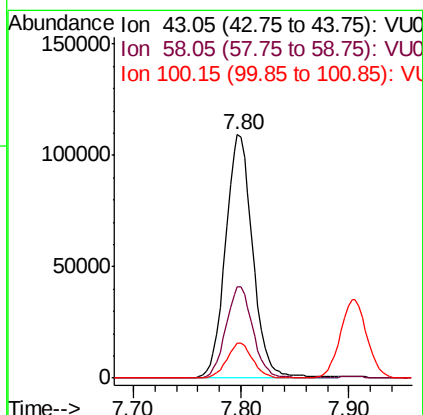
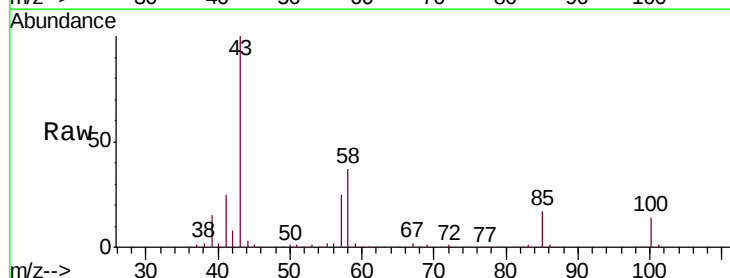
Tgt Ion: 75 Resp: 43358
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1

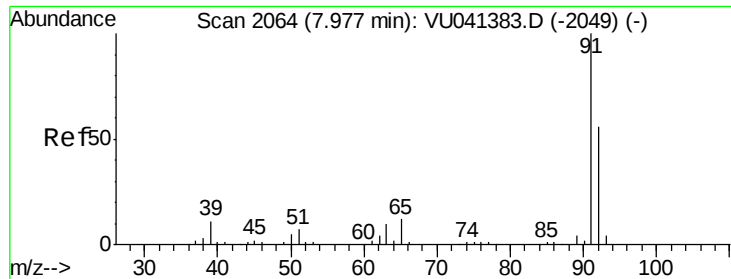


#40

4-Methyl-2-pentanone
 Concen: 39.733 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU041383.D
 Acq: 23 Nov 2020 12:42

Tgt Ion: 43 Resp: 192621
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.8 44.8
 100 13.6 10.9 16.3





#42

Toluene

Concen: 5.406 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

Instrument :

MSVOA_U

ClientSampleId :

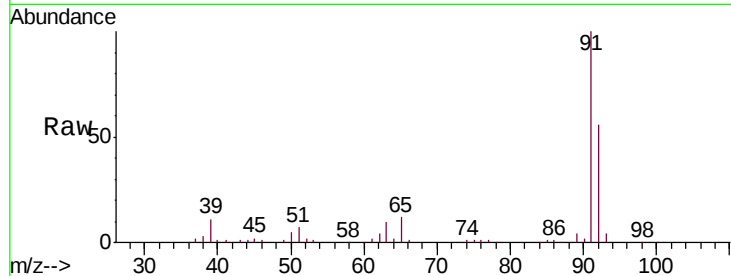
VSTD00506

Tgt Ion: 91 Resp: 124208

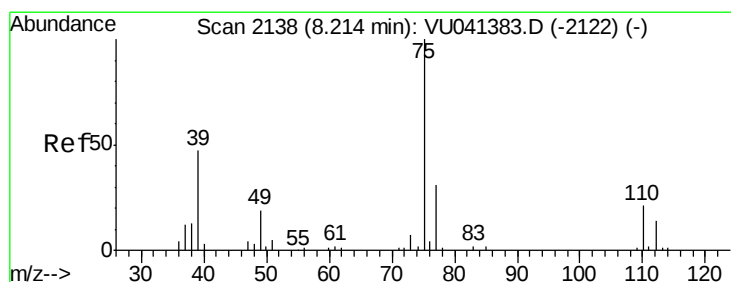
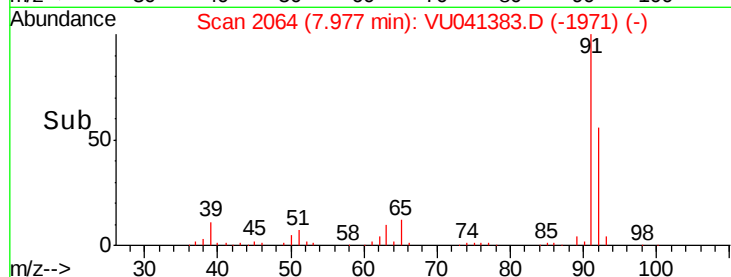
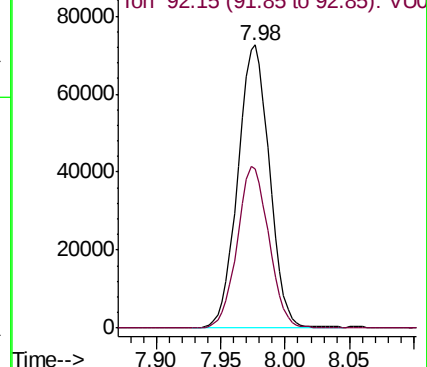
Ion Ratio Lower Upper

91 100

92 56.1 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU041383.D (-2049) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.025 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041383.D

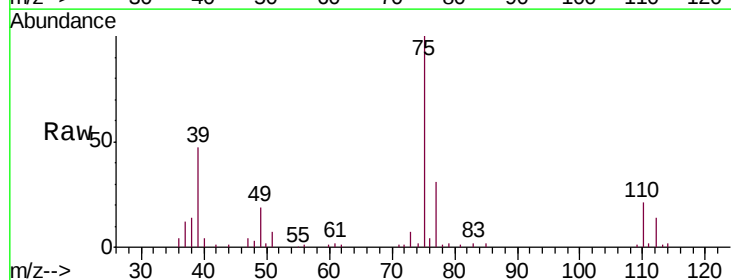
Acq: 23 Nov 2020 12:42

Tgt Ion: 75 Resp: 40890

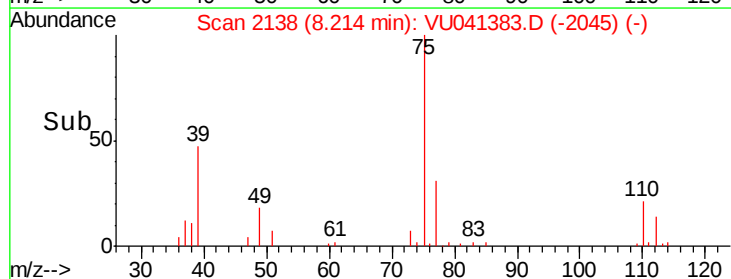
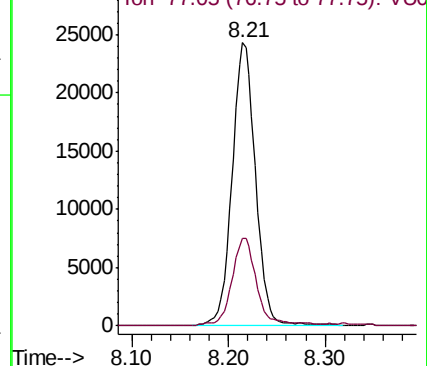
Ion Ratio Lower Upper

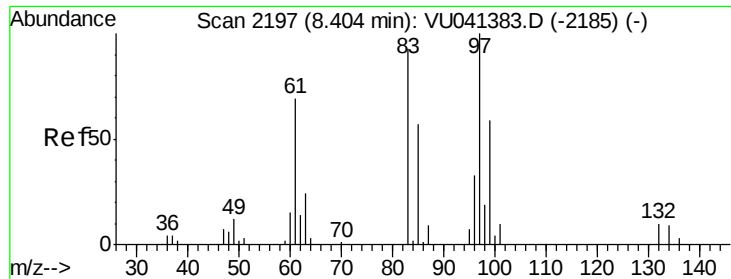
75 100

77 31.0 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU041383.D (-2122) (-)

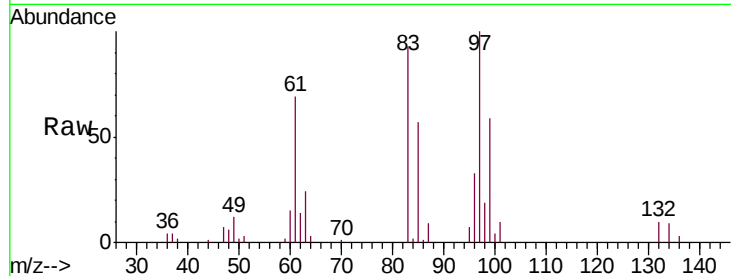




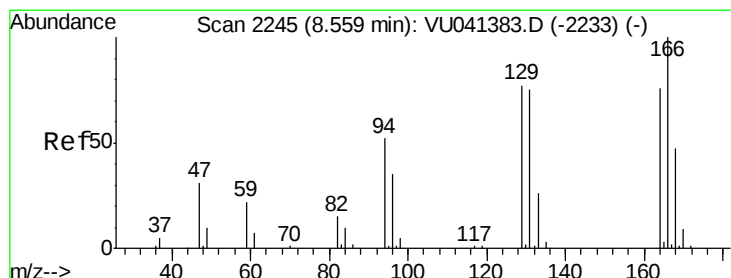
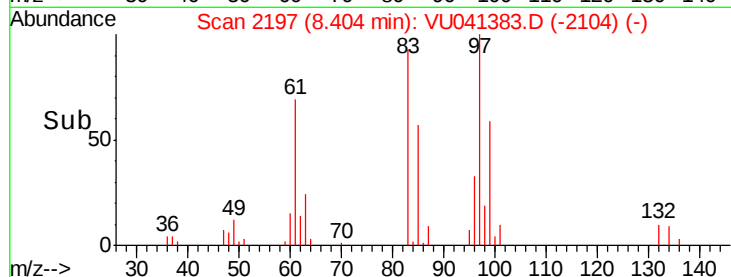
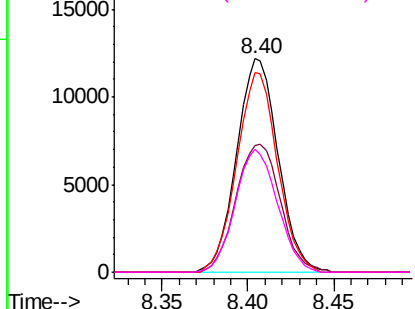
#45
 1,1,2-Trichloroethane
 Concen: 4.394 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041383.D
 Acq: 23 Nov 2020 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Tgt Ion:	97	Resp:	20538
Ion	Ratio	Lower	Upper
97	100		
99	59.3	41.5	77.1
83	93.5	65.5	121.6
85	57.3	40.1	74.5

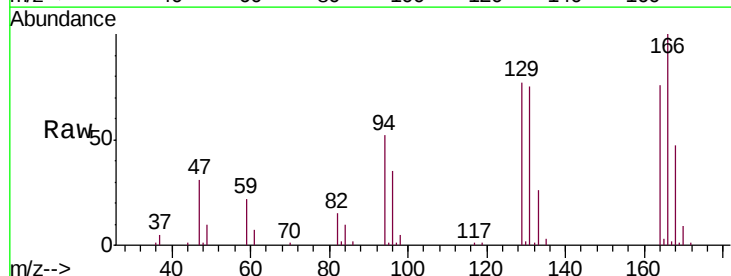


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

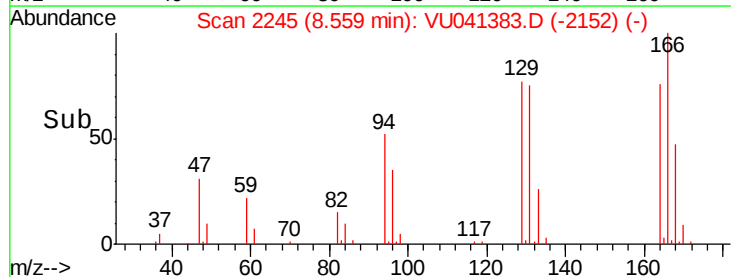
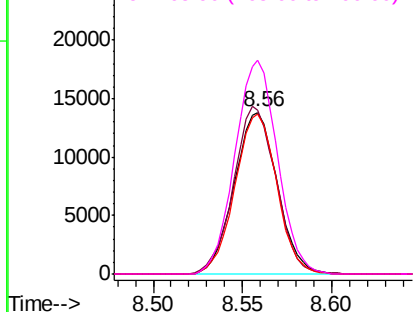


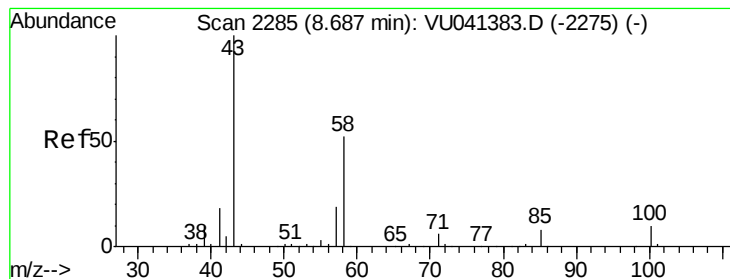
#47
 Tetrachloroethene
 Concen: 5.370 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041383.D
 Acq: 23 Nov 2020 12:42

Tgt Ion:	164	Resp:	23194
Ion	Ratio	Lower	Upper
164	100		
129	101.5	71.0	131.9
131	98.5	69.0	128.1
166	132.0	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: 39.019 ug/L

RT: 8.69 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

Tgt Ion: 43 Resp: 139802

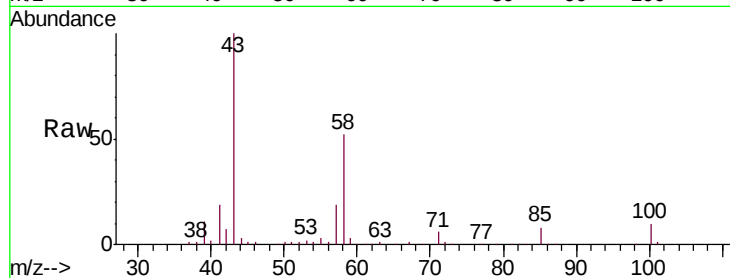
Ion Ratio Lower Upper

43 100

58 52.5 42.0 63.0

57 18.7 15.0 22.4

100 10.5 8.4 12.6

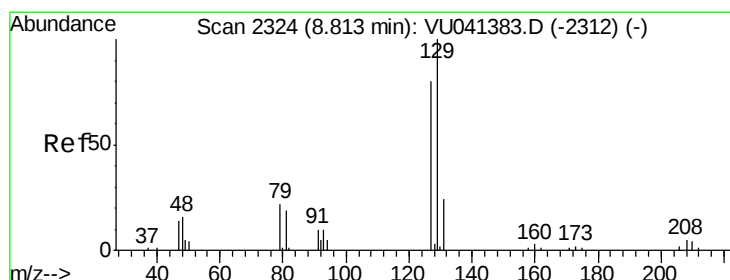
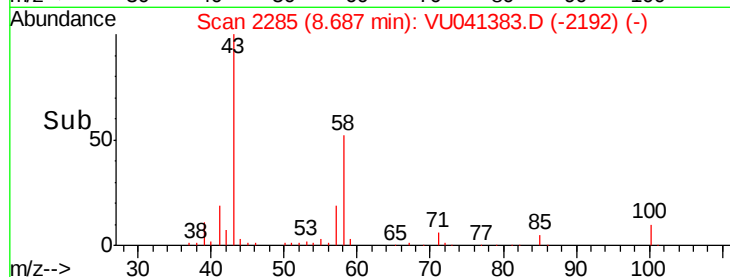
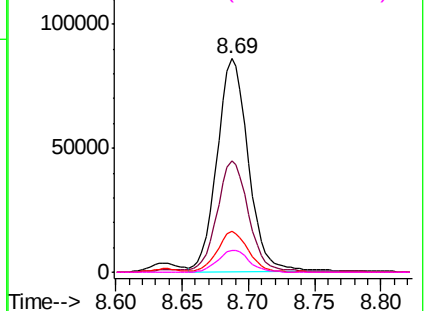


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 4.761 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU041383.D

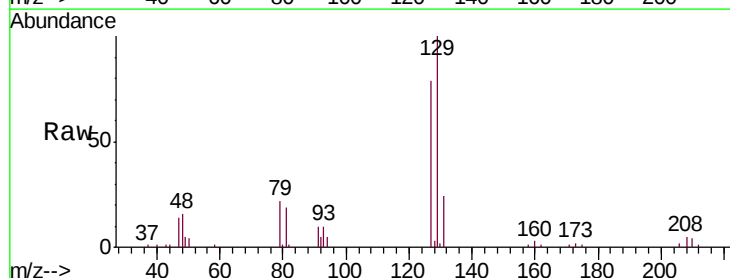
Acq: 23 Nov 2020 12:42

Tgt Ion: 129 Resp: 26706

Ion Ratio Lower Upper

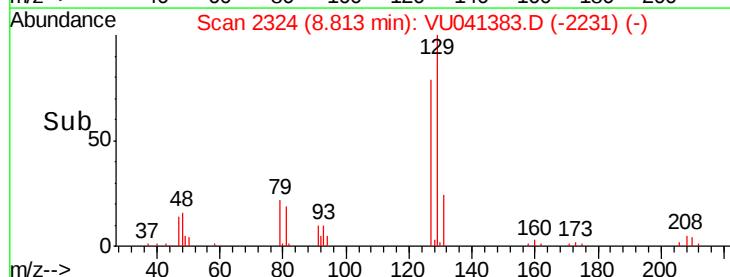
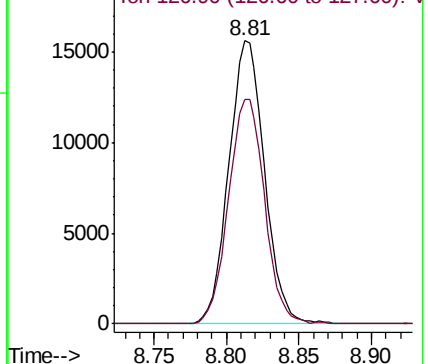
129 100

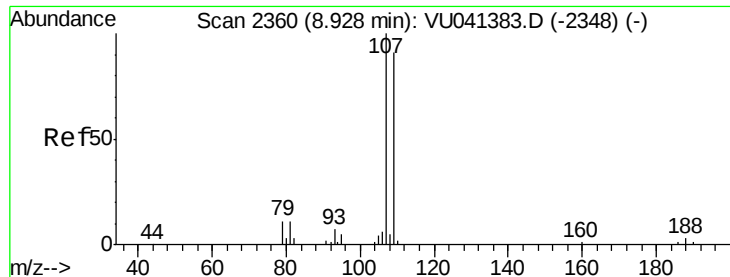
127 79.5 55.6 103.4



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

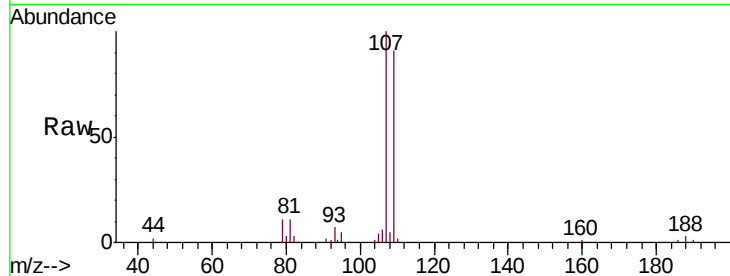




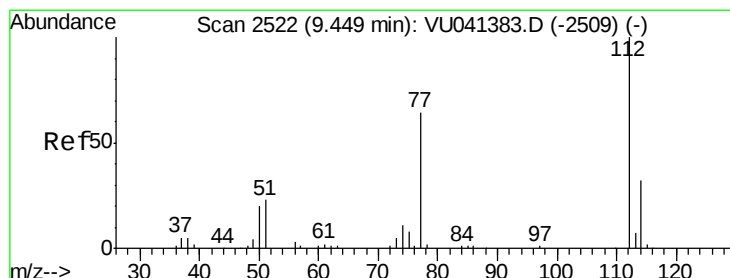
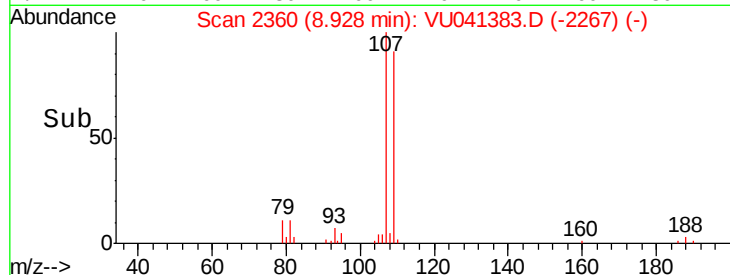
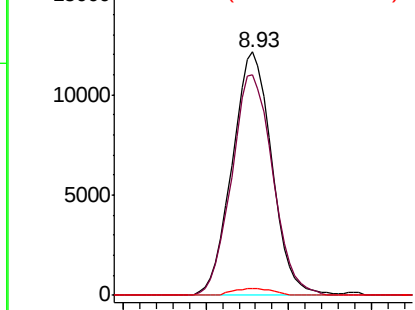
#50
1,2-Dibromoethane
Concen: 4.628 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041383.D
Acq: 23 Nov 2020 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

Tgt Ion:107 Resp: 20194
Ion Ratio Lower Upper
107 100
109 90.6 63.4 117.8
188 2.8 2.2 3.4

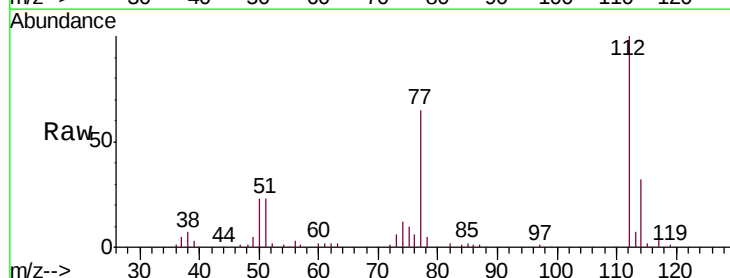


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

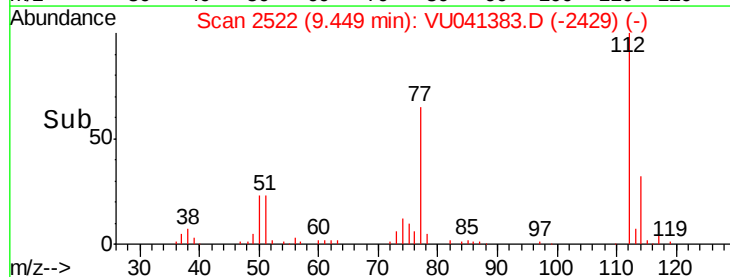
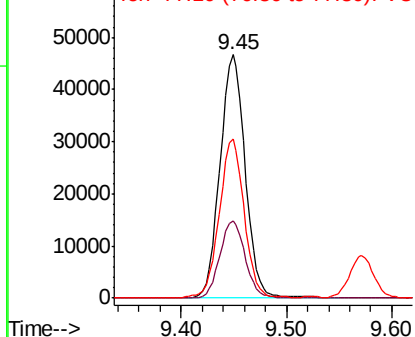


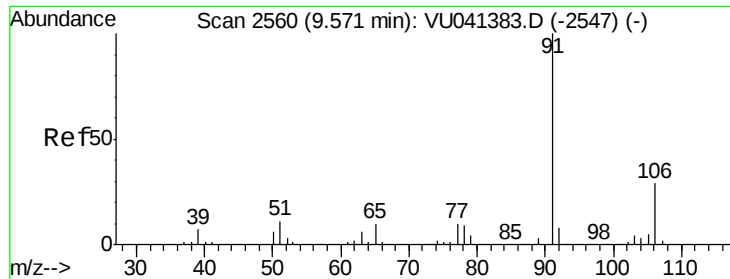
#51
Chlorobenzene
Concen: 5.078 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041383.D
Acq: 23 Nov 2020 12:42

Tgt Ion:112 Resp: 77064
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.3
77 65.3 52.2 78.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.338 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

Instrument :

MSVOA_U

ClientSampleId :

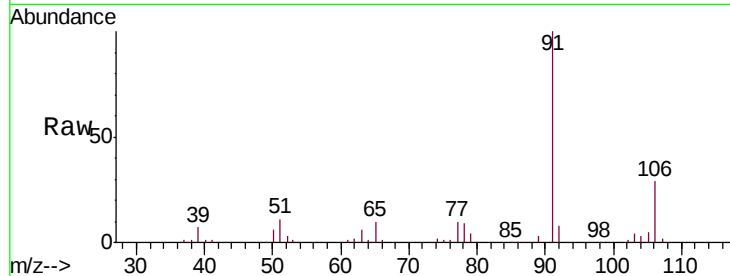
VSTD00506

Tgt Ion: 91 Resp: 132189

Ion Ratio Lower Upper

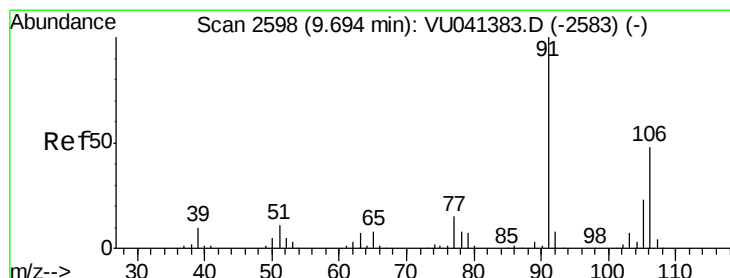
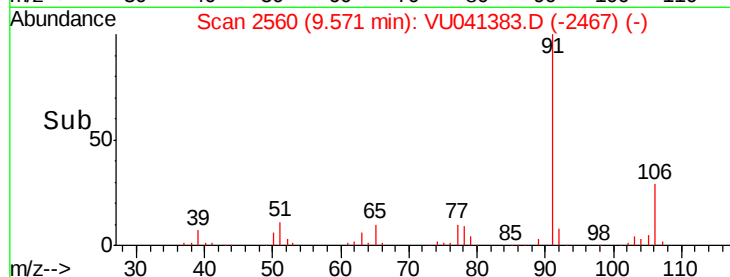
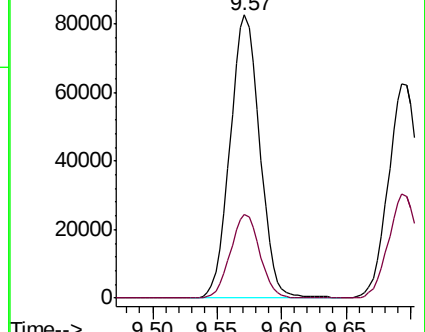
91 100

106 29.4 20.6 38.2



Abundance Ion 91.15 (90.85 to 91.85): VU041383.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU041383.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.553 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041383.D

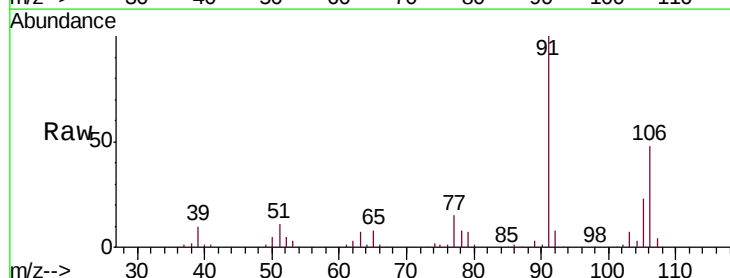
Acq: 23 Nov 2020 12:42

Tgt Ion: 106 Resp: 49763

Ion Ratio Lower Upper

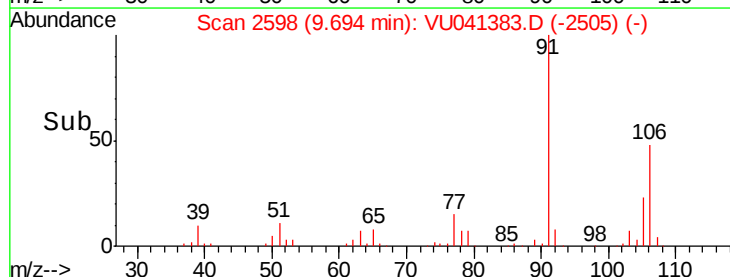
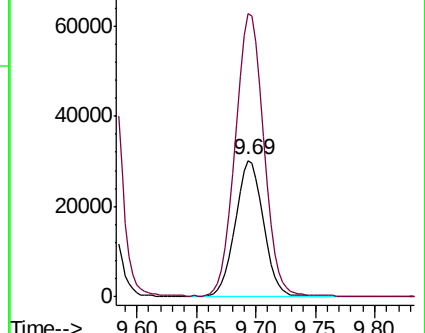
106 100

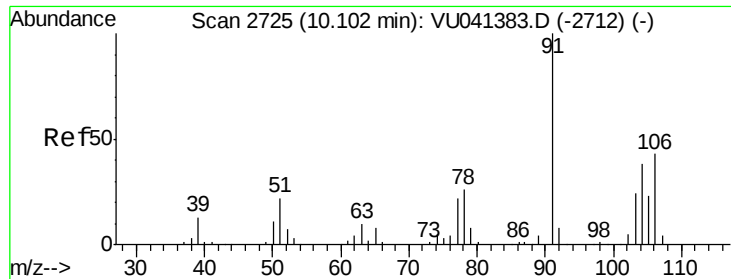
91 207.2 145.0 269.4



Abundance Ion 106.15 (105.85 to 106.85): VU041383.D (-2598) (-)

Ion 91.15 (90.85 to 91.85): VU041383.D (-2598) (-)

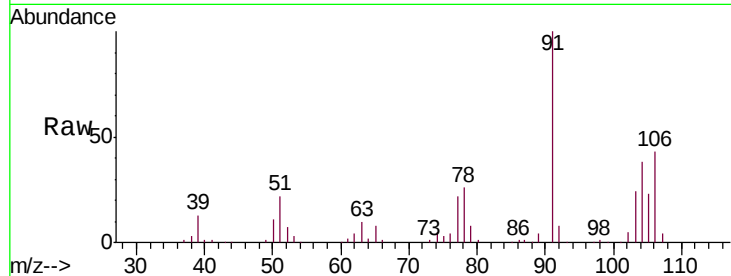




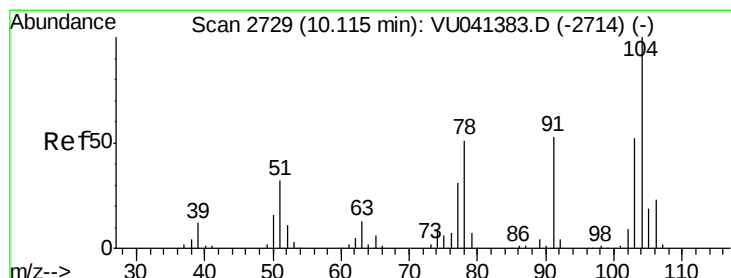
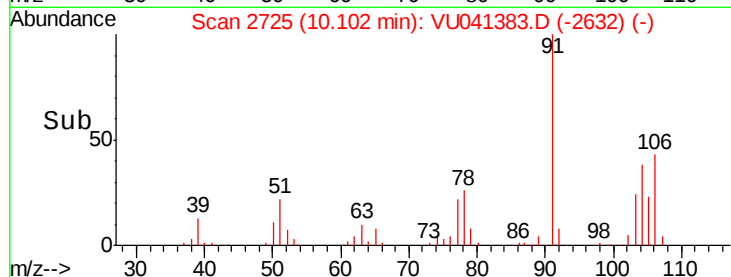
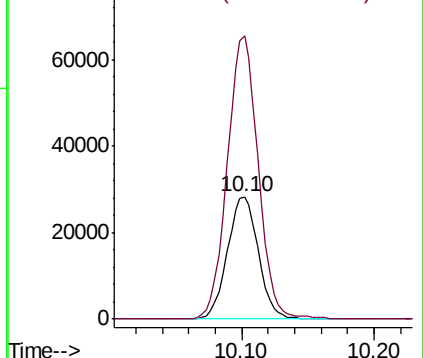
#54
o-Xylene
Concen: 5.362 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041383.D
Acq: 23 Nov 2020 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

Tgt Ion:106 Resp: 46007
Ion Ratio Lower Upper
106 100
91 231.4 162.0 300.8

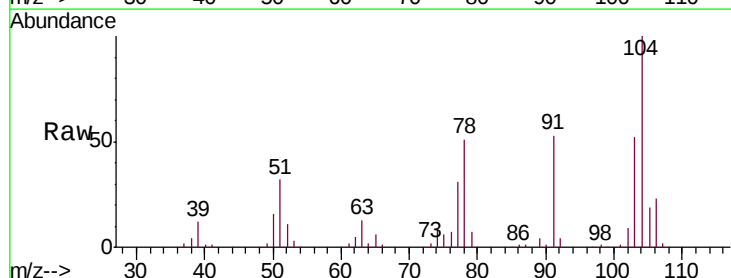


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

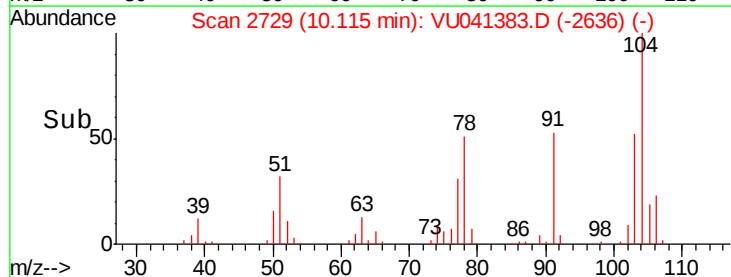
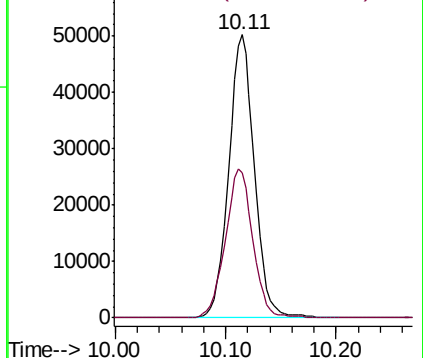


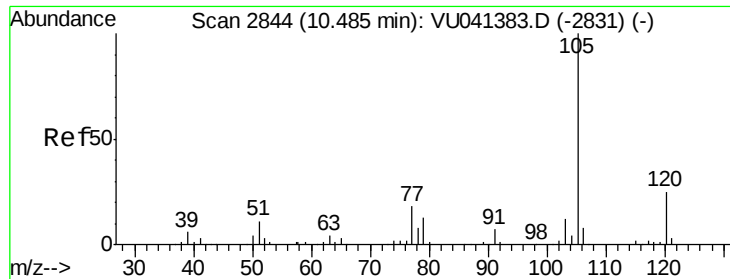
#55
Styrene
Concen: 5.377 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041383.D
Acq: 23 Nov 2020 12:42

Tgt Ion:104 Resp: 80998
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: 5.531 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

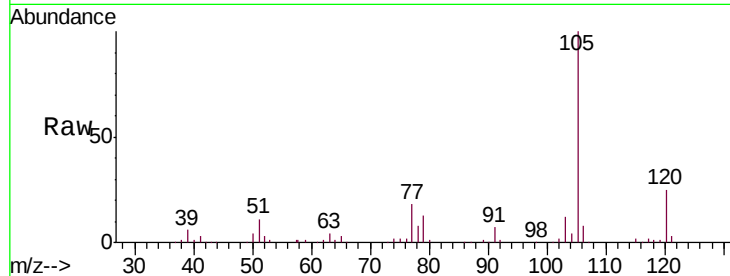
Tgt Ion: 105 Resp: 127635

Ion Ratio Lower Upper

105 100

120 25.1 20.1 30.1

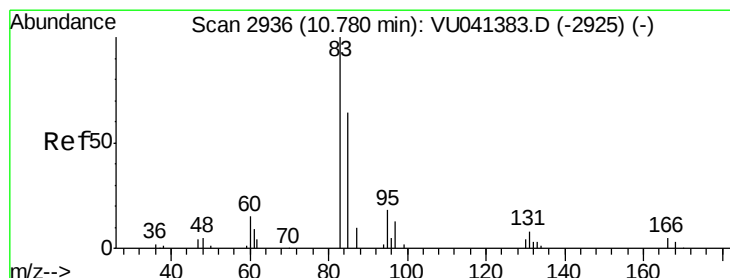
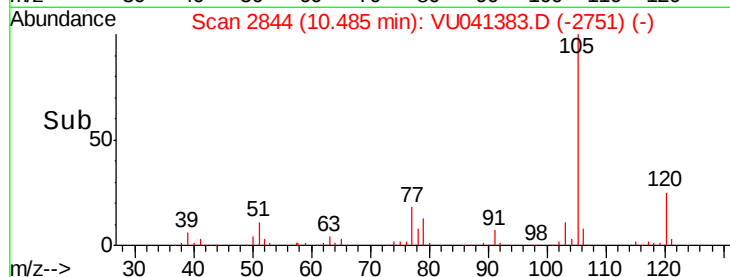
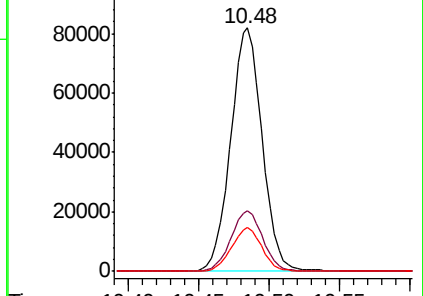
77 17.5 14.0 21.0



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: 4.274 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

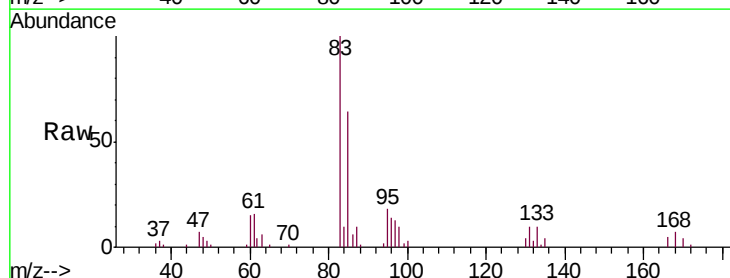
Tgt Ion: 83 Resp: 26592

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

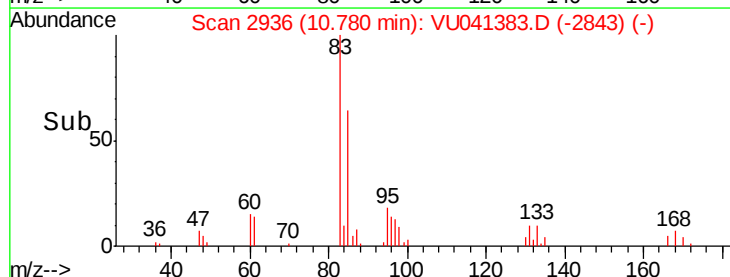
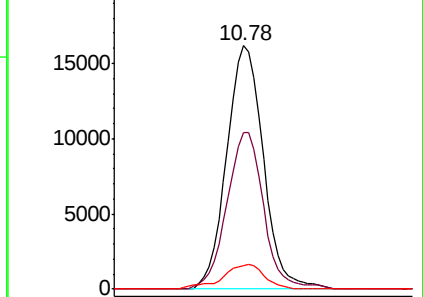
131 9.5 7.6 11.4

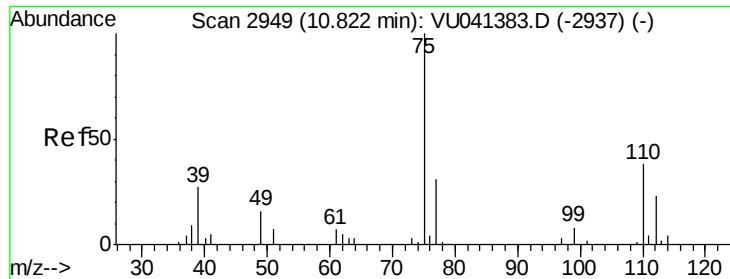


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.118 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

Instrument :

MSVOA_U

ClientSampleId :

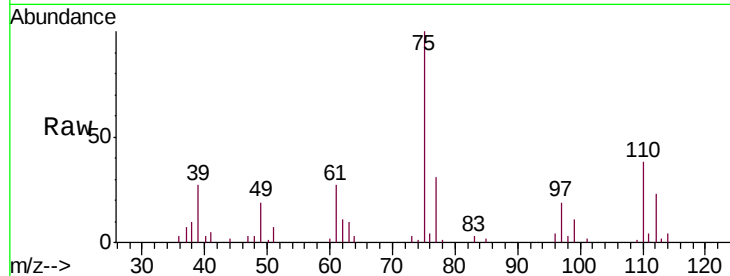
VSTD00506

Tgt Ion: 75 Resp: 19732

Ion Ratio Lower Upper

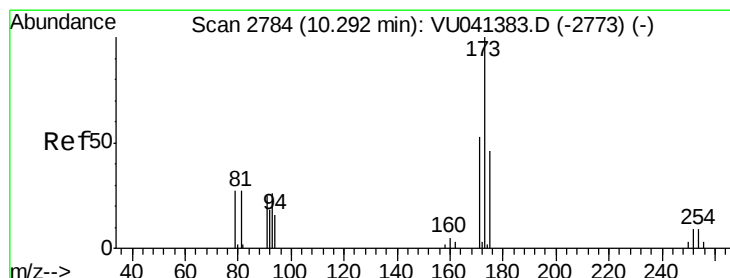
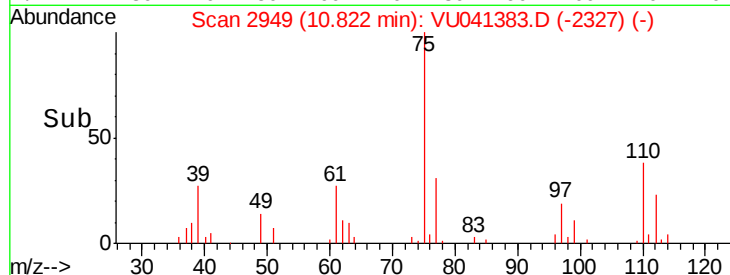
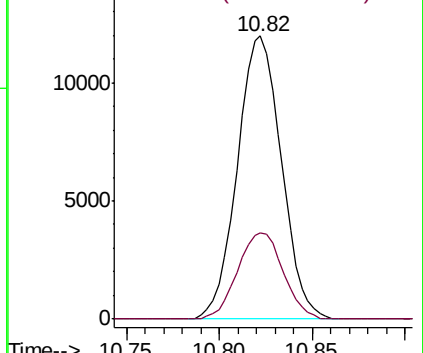
75 100

77 31.4 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: 4.055 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

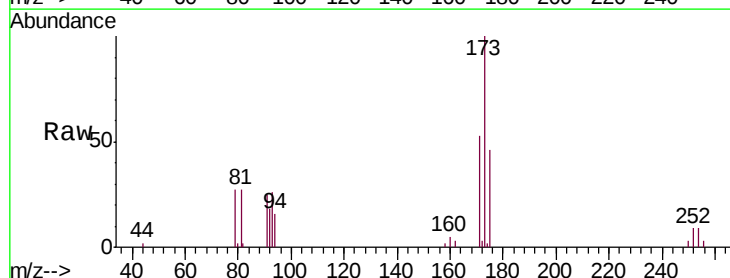
Tgt Ion: 173 Resp: 14639

Ion Ratio Lower Upper

173 100

175 47.4 37.9 56.9

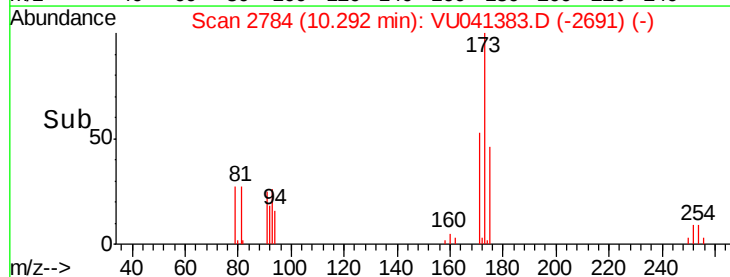
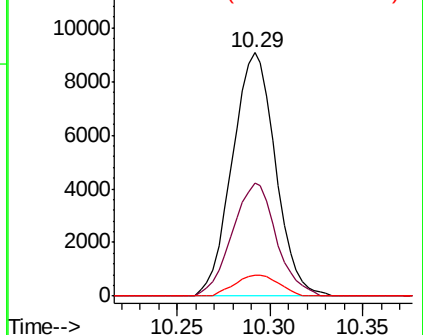
254 8.9 7.1 10.7

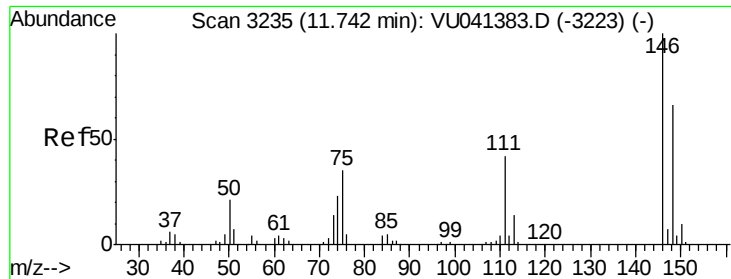


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

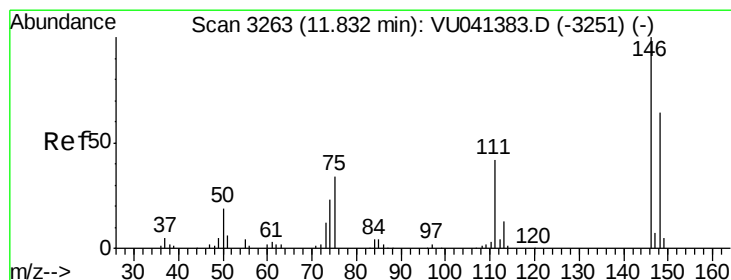
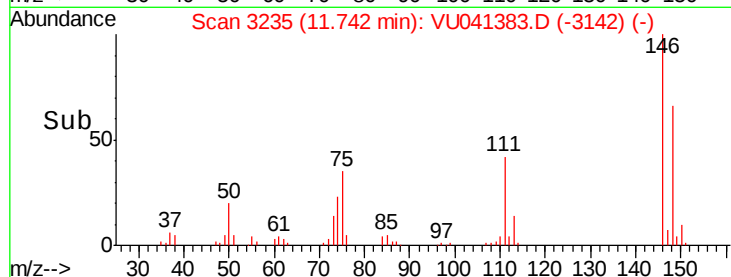
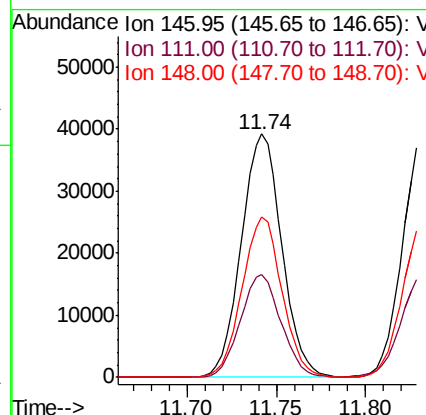
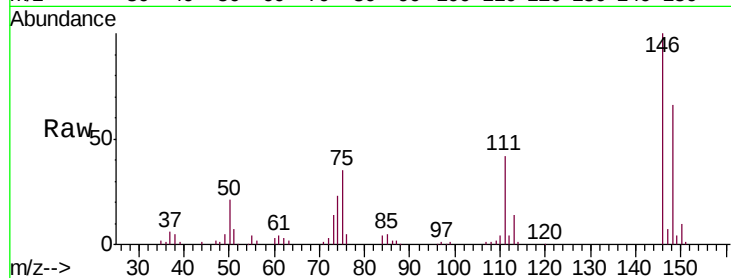




#62
 1,3-Dichlorobenzene
 Concen: 5.072 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041383.D
 Acq: 23 Nov 2020 12:42

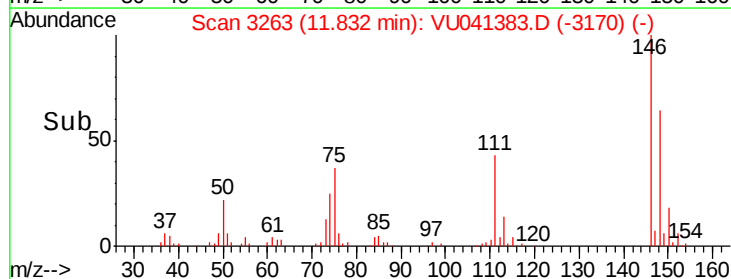
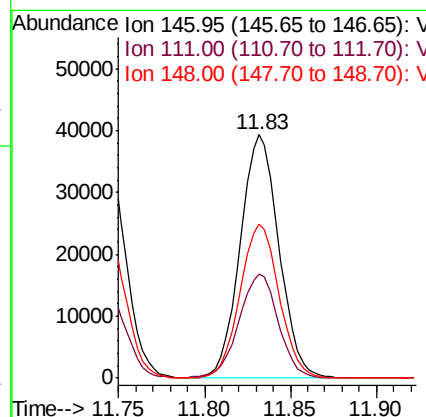
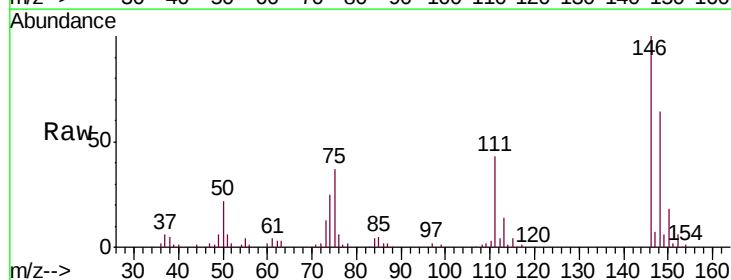
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

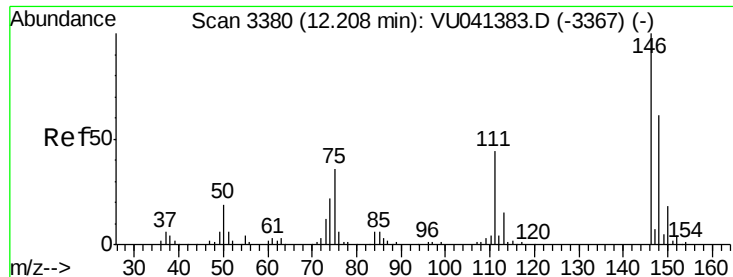
Tgt Ion:146 Resp: 62248
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.5 54.7
 148 66.1 46.3 85.9



#63
 1,4-Dichlorobenzene
 Concen: 4.895 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041383.D
 Acq: 23 Nov 2020 12:42

Tgt Ion:146 Resp: 61529
 Ion Ratio Lower Upper
 146 100
 111 42.8 30.0 55.6
 148 63.5 44.4 82.5

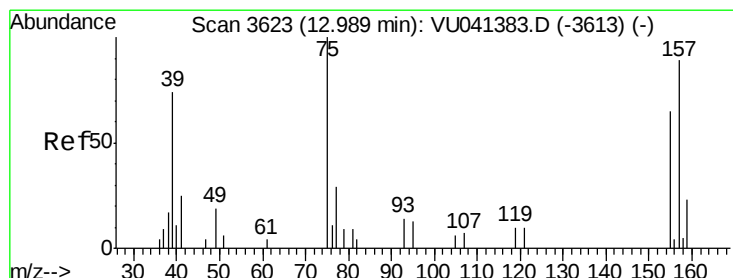
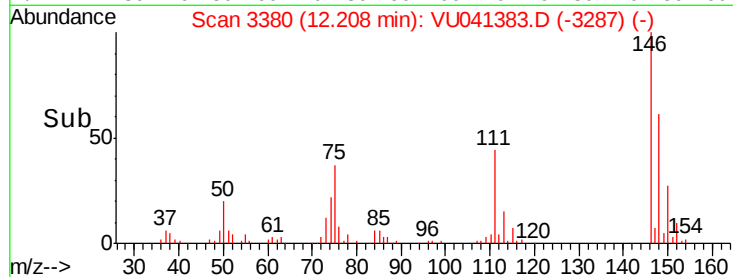
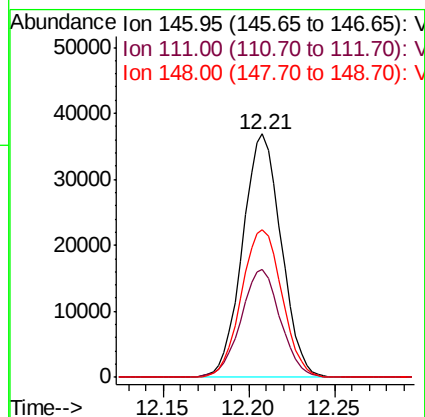
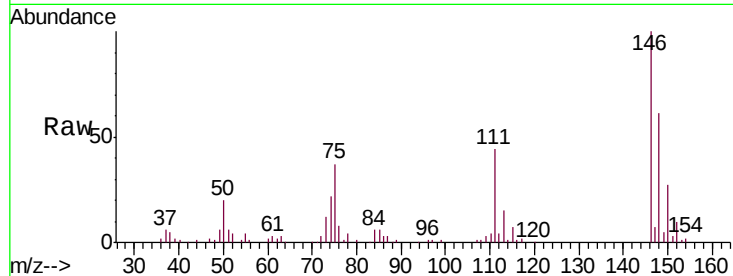




#65
 1,2-Dichlorobenzene
 Concen: 4.810 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041383.D
 Acq: 23 Nov 2020 12:42

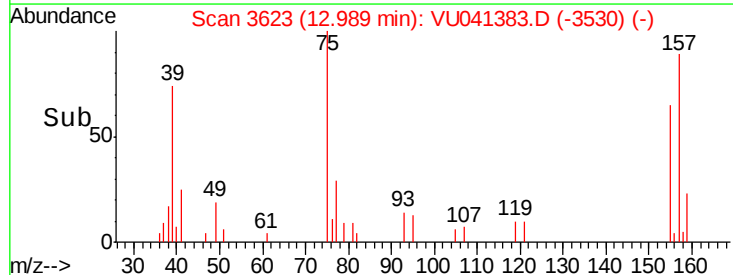
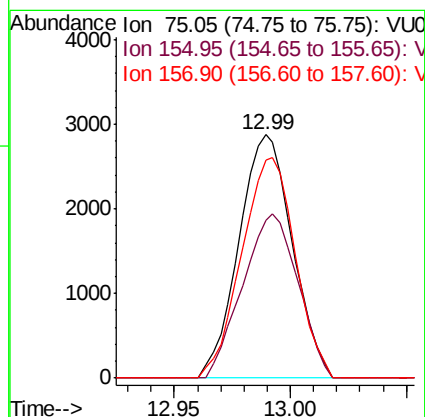
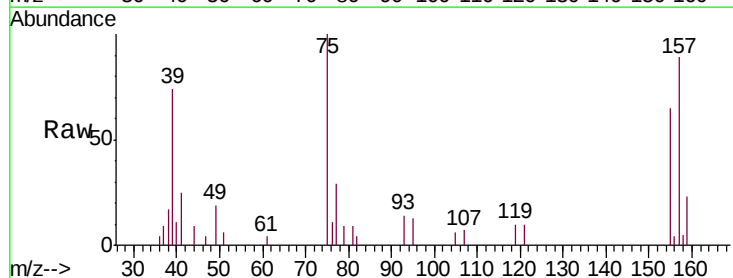
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

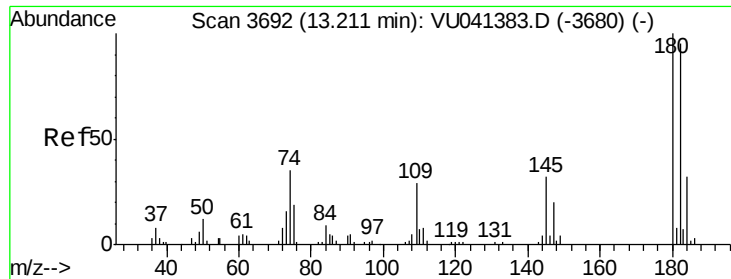
Tgt Ion: 146 Resp: 57566
 Ion Ratio Lower Upper
 146 100
 111 44.1 35.3 52.9
 148 60.8 48.6 73.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.215 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041383.D
 Acq: 23 Nov 2020 12:42

Tgt Ion: 75 Resp: 4595
 Ion Ratio Lower Upper
 75 100
 155 64.9 51.9 77.9
 157 89.4 71.5 107.3

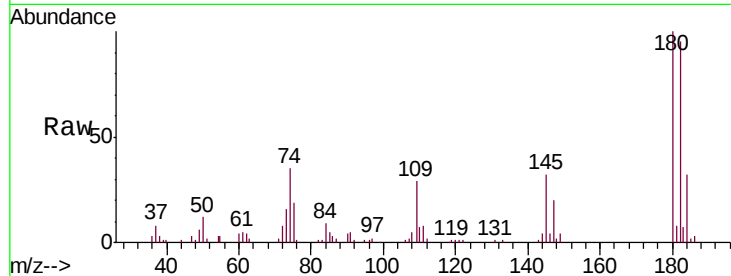




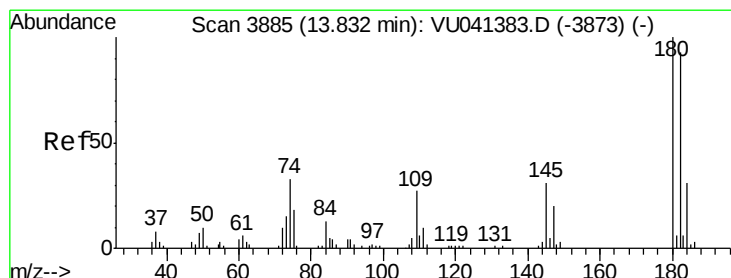
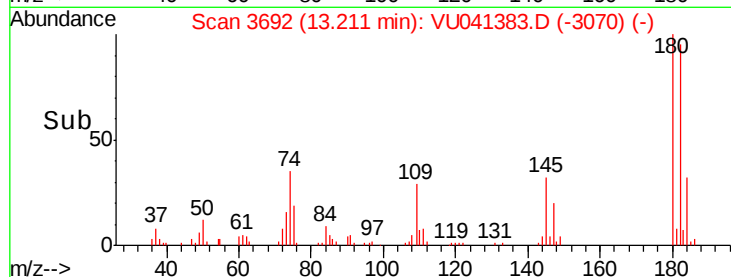
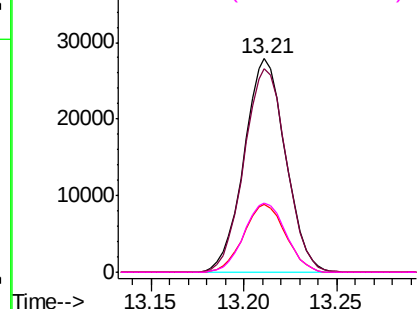
#67
 1,3,5-Trichlorobenzene
 Concen: 4.990 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041383.D
 Acq: 23 Nov 2020 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Tgt Ion:180 Resp: 43219
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.5 116.3
 184 32.1 25.7 38.5
 145 32.7 26.2 39.2

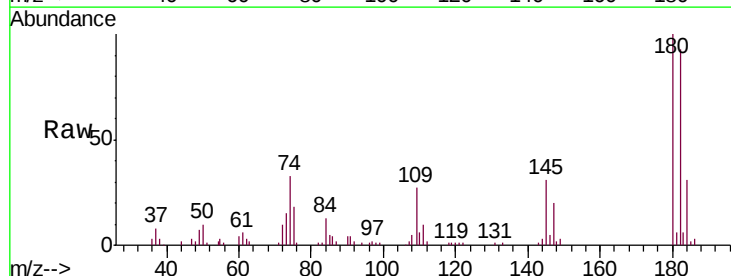


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

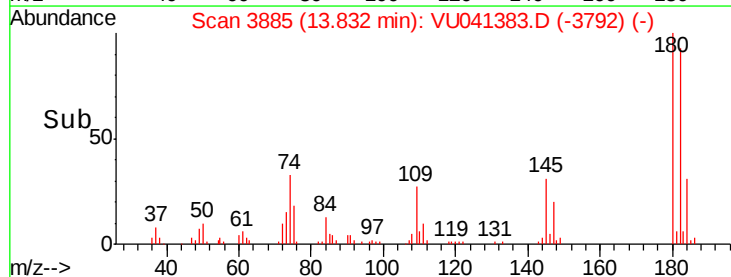
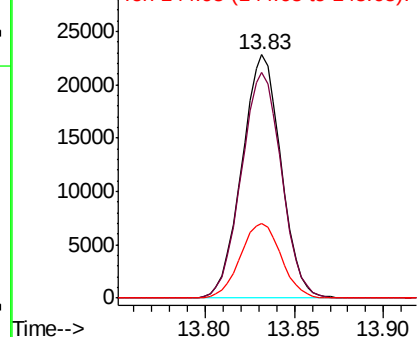


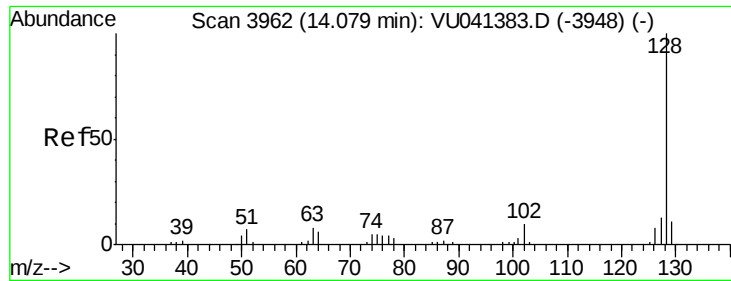
#68
 1,2,4-trichlorobenzene
 Concen: 4.914 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041383.D
 Acq: 23 Nov 2020 12:42

Tgt Ion:180 Resp: 34832
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.0 114.0
 145 32.1 25.7 38.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.623 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

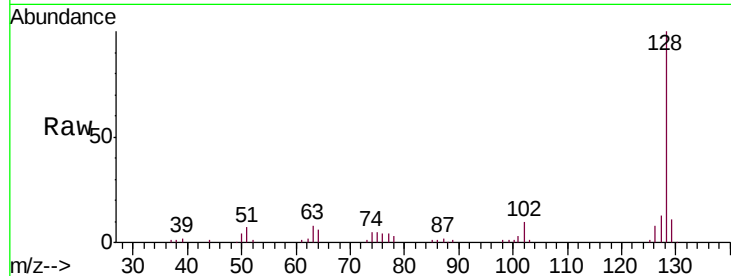
Tgt Ion:128 Resp: 52848

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

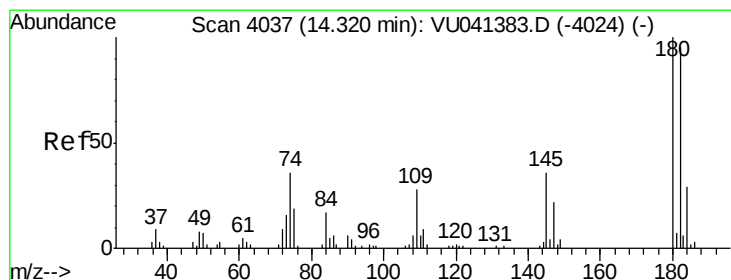
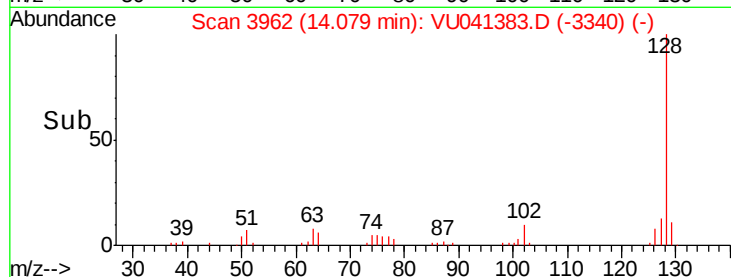
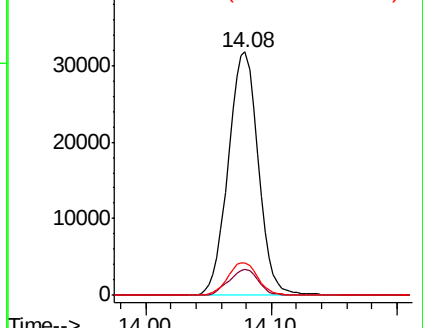
127 13.4 10.7 16.1



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: 4.869 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041383.D

Acq: 23 Nov 2020 12:42

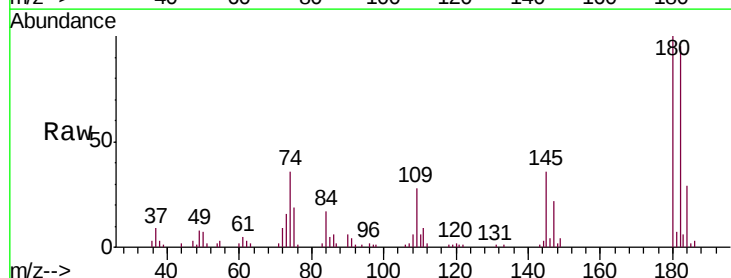
Tgt Ion:180 Resp: 32247

Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

145 34.6 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

