

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112520\
 Data File : VU041431.D
 Acq On : 25 Nov 2020 14:47
 Operator : SY/MD
 Sample : VSTD0.503
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

Quant Time: Nov 26 06:17:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR112520WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 26 06:14:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	64048	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	66391	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	34343	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	2393	0.54	ug/L	0.00
7) Chloroethane-d5	1.92	69	1785	0.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	1101	0.52	ug/L	0.00
20) 2-Butanone-d5	4.65	46	5762	3.40	ug/L	0.00
24) Chloroform-d	5.08	84	4881	0.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.71	65	3137	0.56	ug/L	0.00
32) Benzene-d6	5.74	84	7619	0.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	2007	0.36	ug/L	0.00
41) Toluene-d8	7.90	98	7132	0.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	991	0.40	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	4001	3.25	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	2274	0.44	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	2856	0.49	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	3439	0.583	ug/L 96
3) Chloromethane	1.52	50	3044	0.524	ug/L 99
5) Vinyl chloride	1.61	62	2615	0.460	ug/L 91
6) Bromomethane	1.86	94	1517	0.494	ug/L 93
8) Chloroethane	1.94	64	2048	0.555	ug/L 97
9) Trichlorofluoromethane	2.15	101	4851	0.572	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2251	0.482	ug/L # 75
12) 1,1-Dichloroethene	2.59	96	2018	0.464	ug/L 82
13) Acetone	2.67	43	4798	4.256	ug/L 83
14) Carbon disulfide	2.81	76	5736	0.422	ug/L 97
15) Methyl Acetate	2.97	43	792	0.309	ug/L # 64
16) Methylene chloride	3.06	84	4138	0.795	ug/L 93
17) Methyl tert-butyl Ether	3.38	73	5412	0.469	ug/L 94
18) trans-1,2-Dichloroethene	3.37	96	1727	0.389	ug/L 89
19) 1,1-Dichloroethane	3.88	63	3751	0.409	ug/L # 91
21) 2-Butanone	4.74	43	6223	3.505	ug/L 89
22) cis-1,2-Dichloroethene	4.68	96	2166	0.452	ug/L 89
23) Bromochloromethane	4.99	128	1063	0.469	ug/L 88
25) Chloroform	5.11	83	4963	0.520	ug/L 80
27) 1,2-Dichloroethane	5.81	62	3484	0.499	ug/L # 79
29) 1,1,1-Trichloroethane	5.33	97	4279	0.488	ug/L 99
30) Cyclohexane	5.40	56	2619	0.342	ug/L 94
31) Carbon tetrachloride	5.54	117	3822	0.505	ug/L 98
33) Benzene	5.79	78	7990	0.408	ug/L 100
34) Trichloroethene	6.55	95	2265	0.426	ug/L 96
35) Methylcyclohexane	6.77	83	2769	0.374	ug/L 99
37) 1,2-Dichloropropane	6.80	63	2021	0.369	ug/L # 88
38) Bromodichloromethane	7.11	83	3262	0.456	ug/L 97
39) cis-1,3-Dichloropropene	7.61	75	3089	0.410	ug/L 96
40) 4-Methyl-2-pentanone	7.80	43	14000	3.436	ug/L 94

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

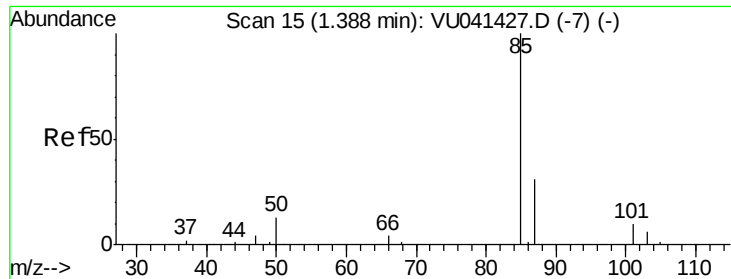
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

Quant Time: Nov 26 06:17:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR112520WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 26 06:14:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.97	91	8601	0.426	ug/L	94
44) trans-1,3-Dichloropropene	8.22	75	2811	0.397	ug/L	91
45) 1,1,2-Trichloroethane	8.40	97	1692	0.427	ug/L	88
47) Tetrachloroethene	8.56	164	1651	0.443	ug/L	90
48) 2-Hexanone	8.69	43	10544	3.449	ug/L	99
49) Dibromochloromethane	8.82	129	2132	0.446	ug/L	85
50) 1,2-Dibromoethane	8.93	107	1699	0.449	ug/L #	94
51) Chlorobenzene	9.45	112	6514	0.506	ug/L	88
52) Ethylbenzene	9.57	91	9614	0.459	ug/L	97
53) m,p-Xylene	9.70	106	3192	0.419	ug/L	96
54) o-Xylene	10.10	106	3213	0.439	ug/L	91
55) Styrene	10.11	104	5432	0.428	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.79	83	2175	0.424	ug/L	94
59) Bromoform	10.29	173	1175	0.430	ug/L #	89
60) Isopropylbenzene	10.48	105	8557	0.423	ug/L	98
61) 1,2,3-Trichloropropane	10.82	75	1667	0.408	ug/L	94
62) 1,3,5-Trimethylbenzene	11.09	105	6818	0.408	ug/L	100
63) 1,2,4-Trimethylbenzene	11.46	105	7156	0.424	ug/L	94
64) 1,3-Dichlorobenzene	11.74	146	4788	0.467	ug/L	91
65) 1,4-Dichlorobenzene	11.83	146	5118	0.490	ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	4847	0.485	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.99	75	421	0.431	ug/L #	88
69) 1,3,5-Trichlorobenzene	13.21	180	3875	0.539	ug/L	97
70) 1,2,4-trichlorobenzene	13.83	180	3146	0.519	ug/L	98
71) Naphthalene	14.08	128	4940	0.463	ug/L	96
72) 1,2,3-Trichlorobenzene	14.32	180	3108	0.548	ug/L	93

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



#2

Dichlorodifluoromethane

Concen: 0.583 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

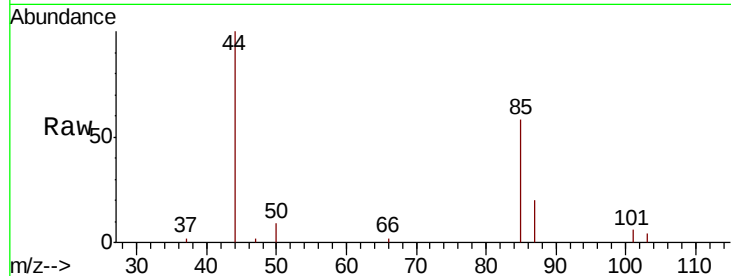
VSTD0.5103

Tot Ion: 85 Resp: 3439

Ion Ratio Lower Upper

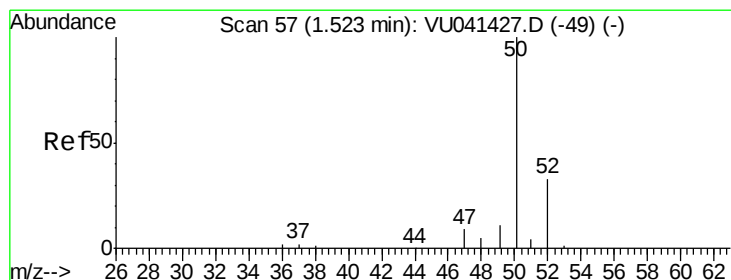
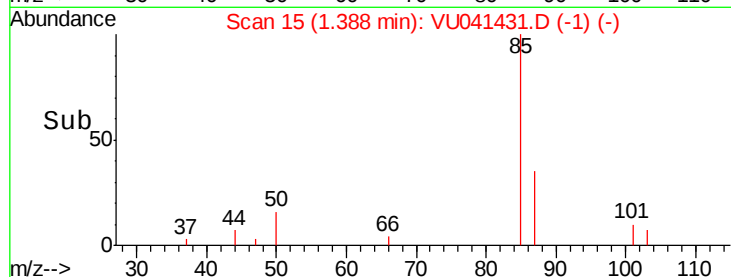
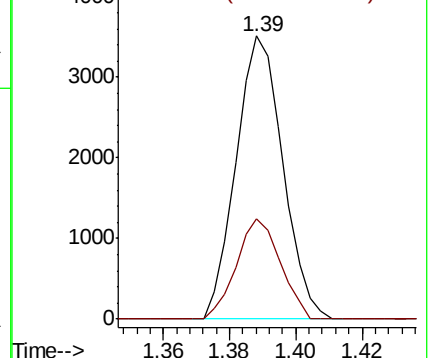
85 100

87 33.1 24.9 37.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.524 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041431.D

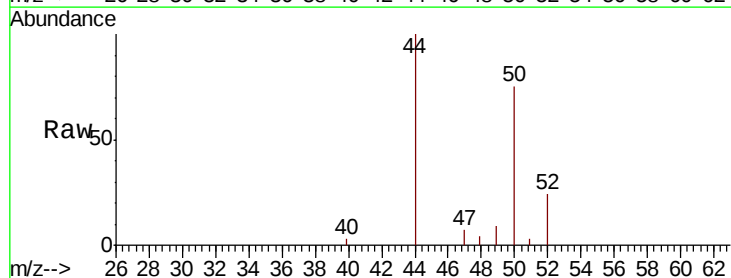
Acq: 25 Nov 2020 14:47

Tgt Ion: 50 Resp: 3044

Ion Ratio Lower Upper

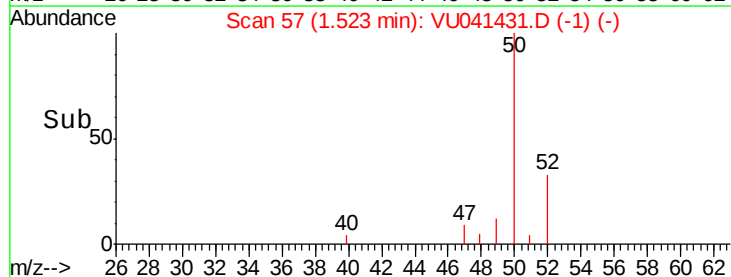
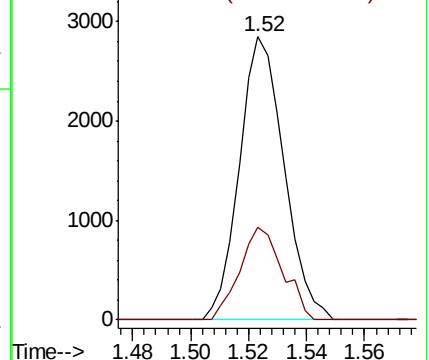
50 100

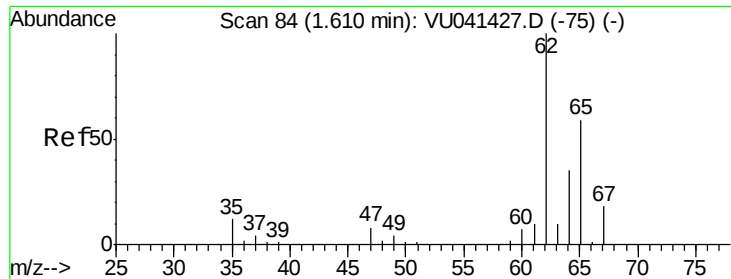
52 32.6 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.460 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

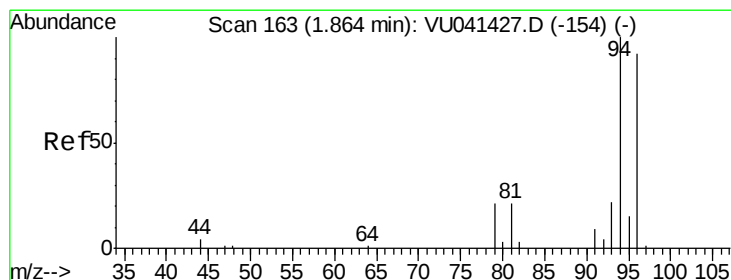
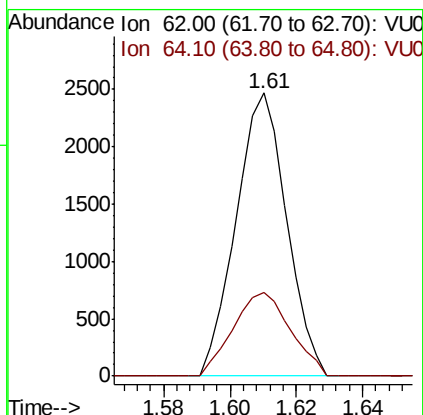
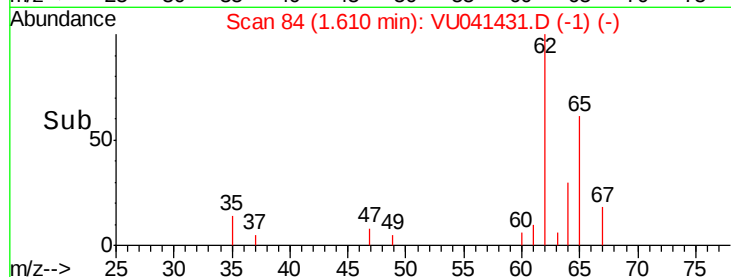
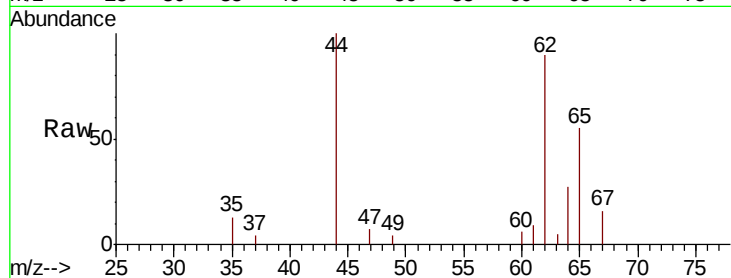
VSTD0.5103

Tot Ion: 62 Resp: 2615

Ion Ratio Lower Upper

62 100

64 29.7 24.3 45.1



#6

Bromomethane

Concen: 0.494 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041431.D

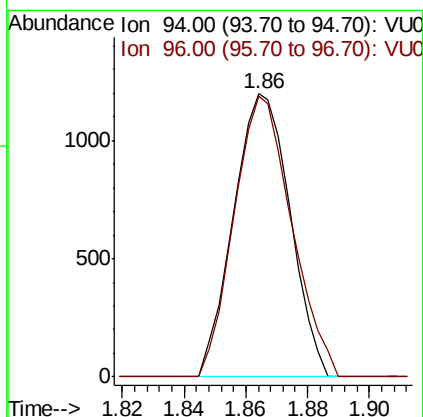
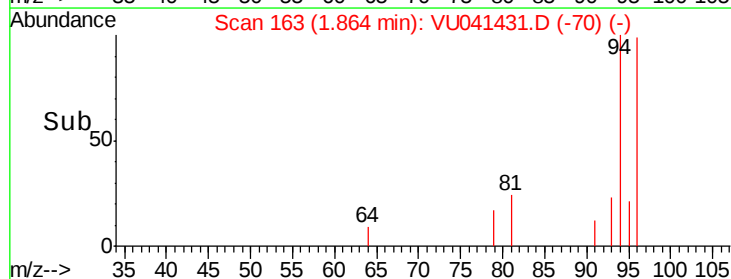
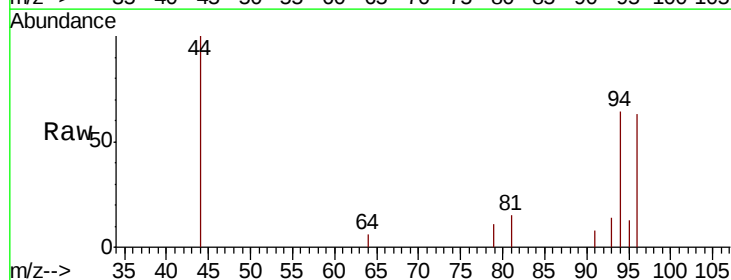
Acq: 25 Nov 2020 14:47

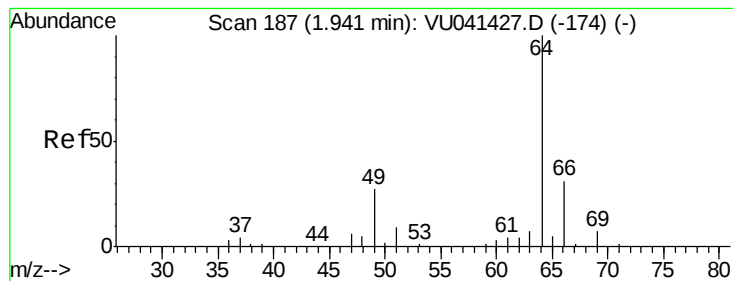
Tgt Ion: 94 Resp: 1517

Ion Ratio Lower Upper

94 100

96 99.2 64.5 119.9





#8

Chloroethane

Concen: 0.555 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

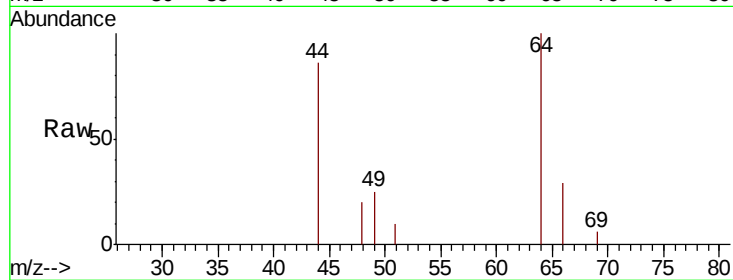
VSTD0.5103

Tot Ion: 64 Resp: 2048

Ion Ratio Lower Upper

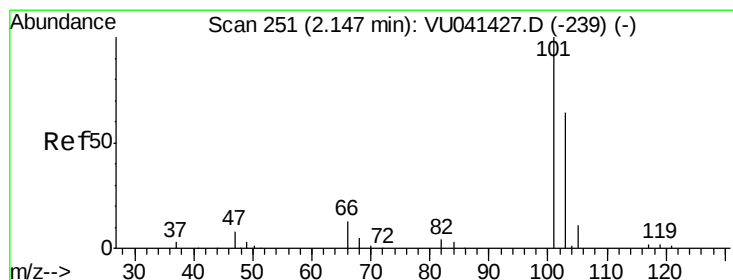
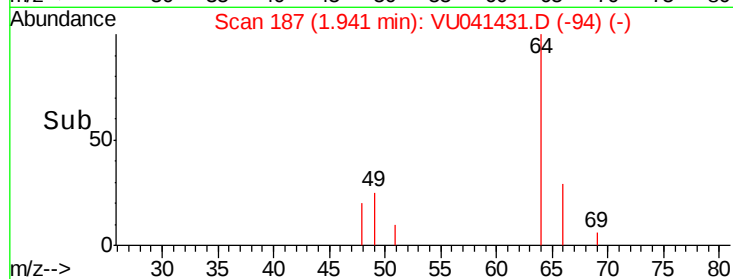
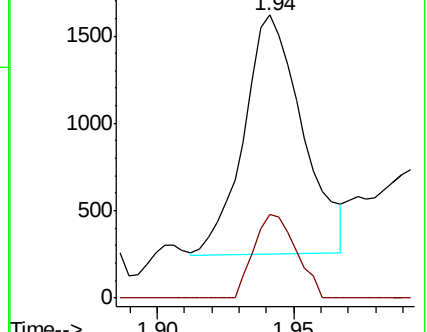
64 100

66 29.5 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU041427.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU041427.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 0.572 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU041431.D

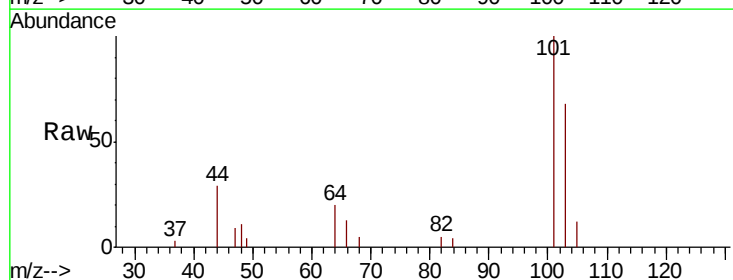
Acq: 25 Nov 2020 14:47

Tgt Ion: 101 Resp: 4851

Ion Ratio Lower Upper

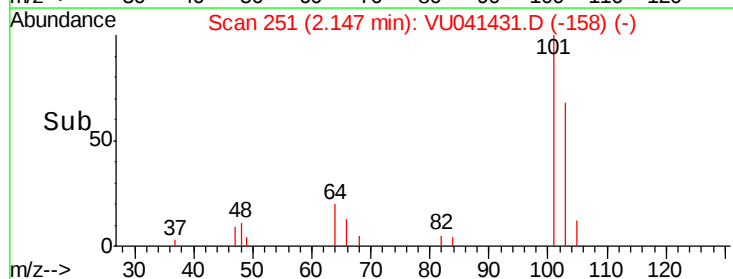
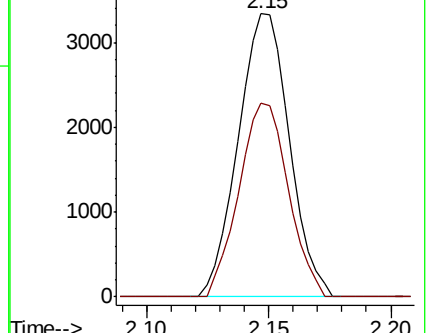
101 100

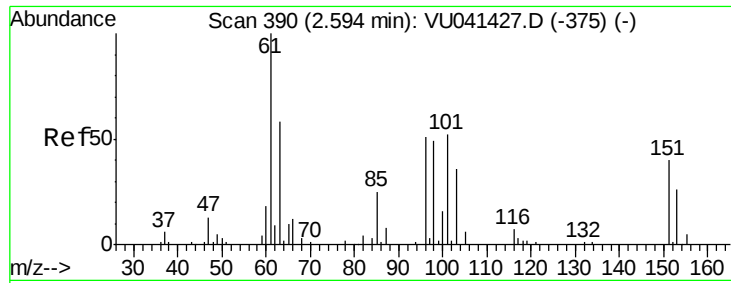
103 66.1 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041427.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041427.D (-239) (-)





#10

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

Concen: 0.482 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5103

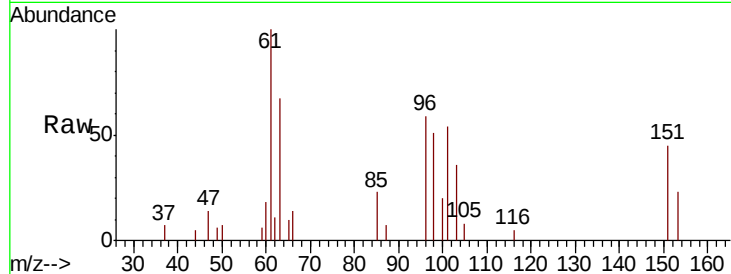
Tot Ion:101 Resp: 2251

Ion Ratio Lower Upper

101 100

85 17.2 37.8 56.6#

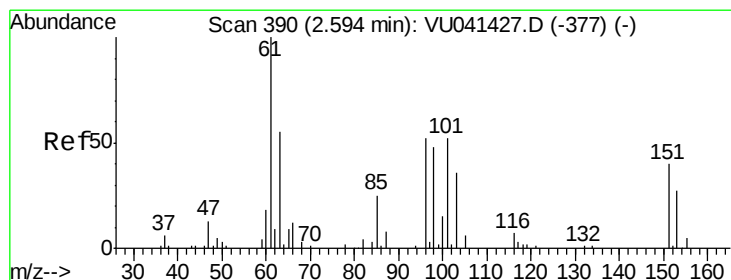
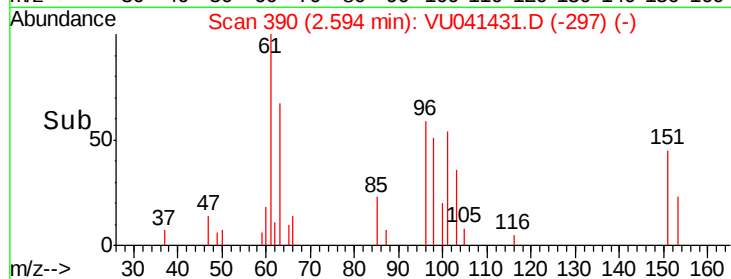
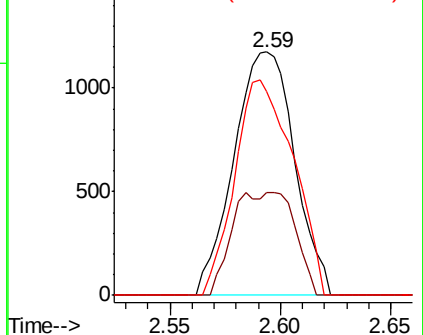
151 85.2 59.6 89.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.464 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

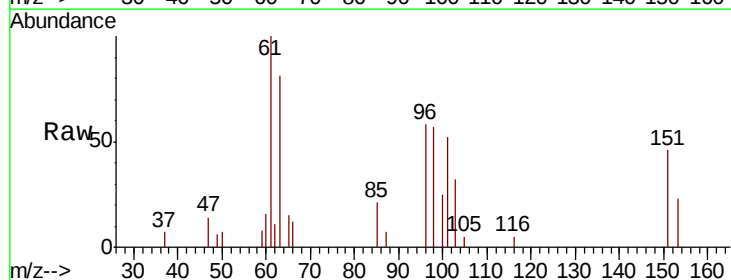
Tgt Ion: 96 Resp: 2018

Ion Ratio Lower Upper

96 100

61 173.2 136.1 252.7

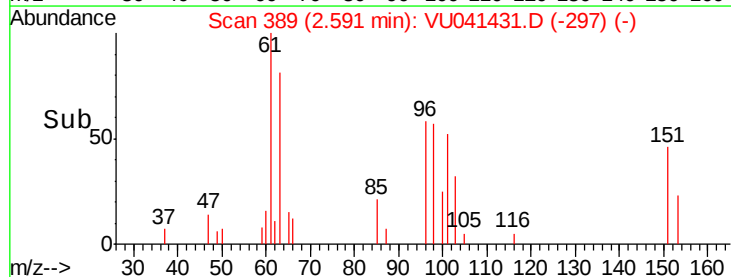
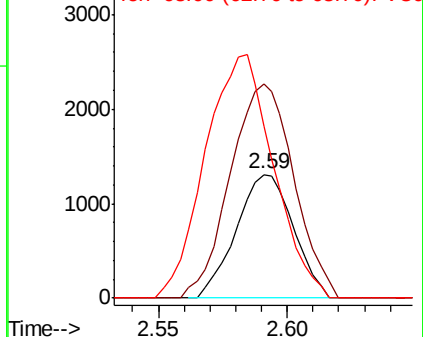
63 139.5 79.5 147.6

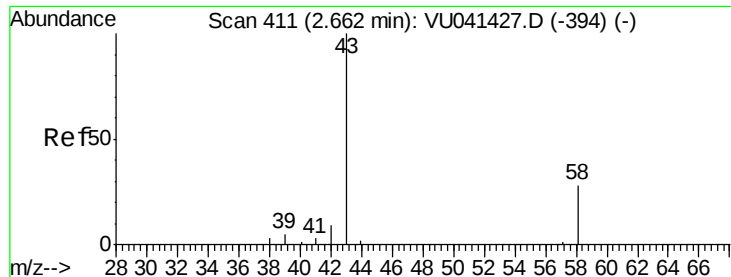


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.256 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

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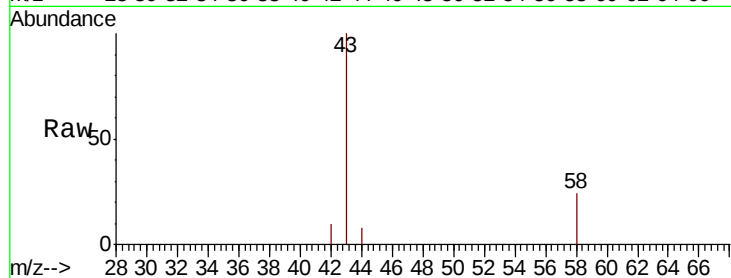
VSTD0.5103

Tot Ion: 43 Resp: 4798

Ion Ratio Lower Upper

43 100

58 20.3 0.0 58.8



Abundance Ion 43.05 (42.75 to 43.75): VU041431.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU041431.D (-318) (-)

2.67

1500

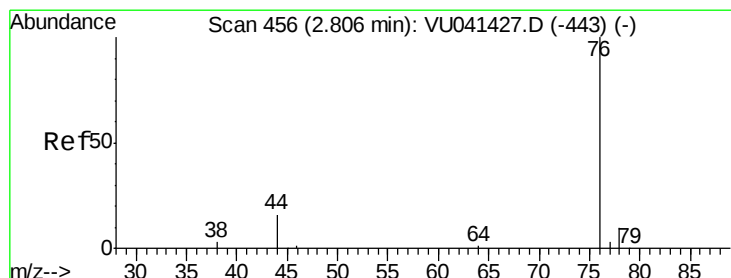
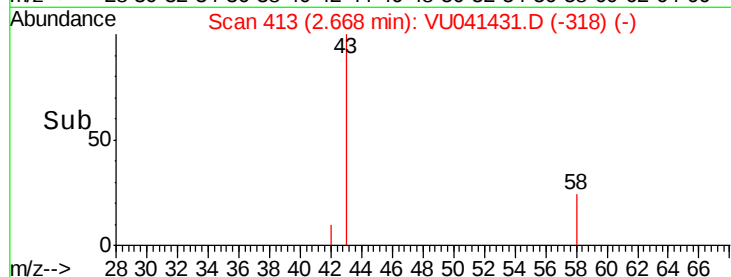
1000

500

0

2.60 2.65 2.70 2.75

Time-->



#14

Carbon disulfide

Concen: 0.422 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041431.D

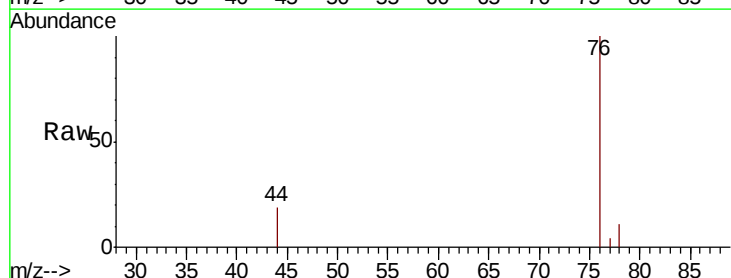
Acq: 25 Nov 2020 14:47

Tgt Ion: 76 Resp: 5736

Ion Ratio Lower Upper

76 100

78 10.8 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU041431.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041431.D (-363) (-)

2.81

4000

3000

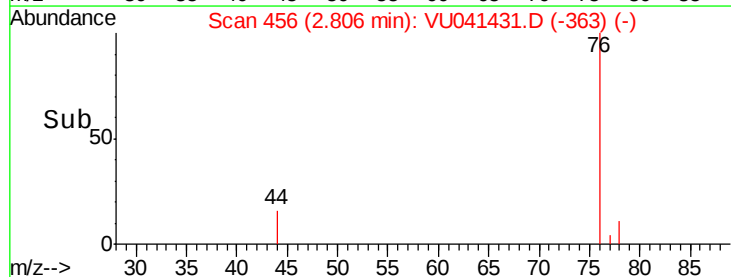
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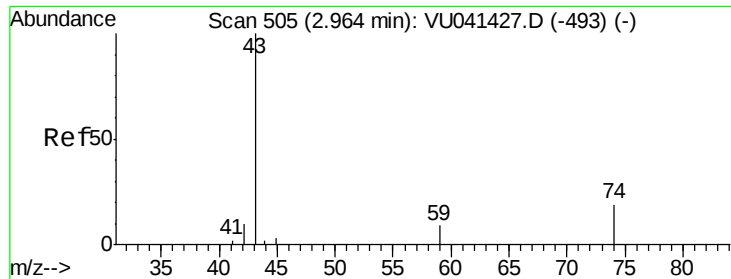
1000

0

2.75 2.80 2.85

Time-->

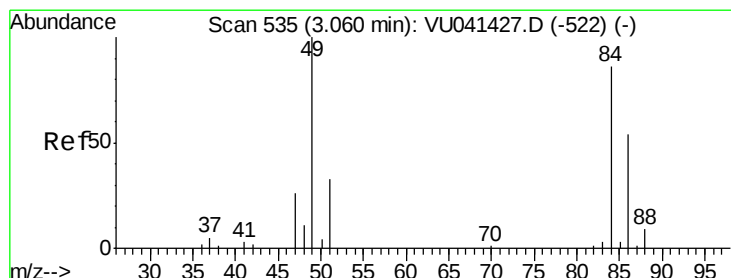
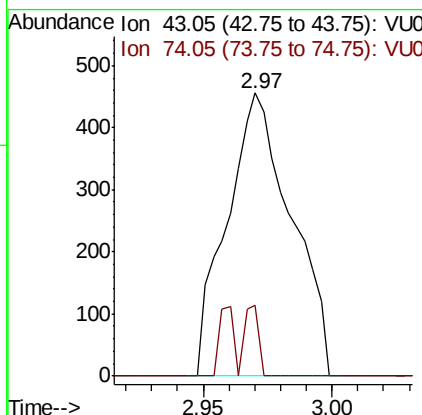
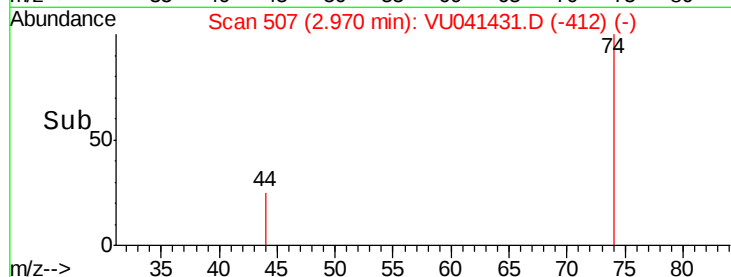
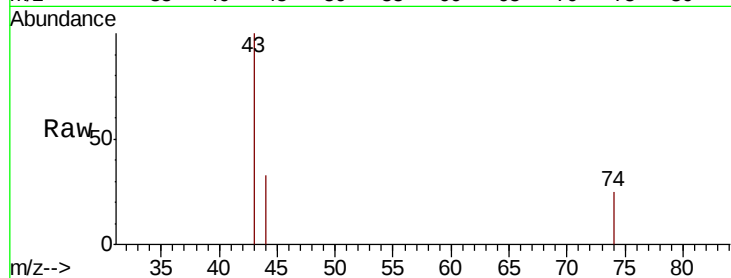




#15
Methyl Acetate
Concen: 0.309 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.01 min
Lab File: VU041431.D
Acq: 25 Nov 2020 14:47

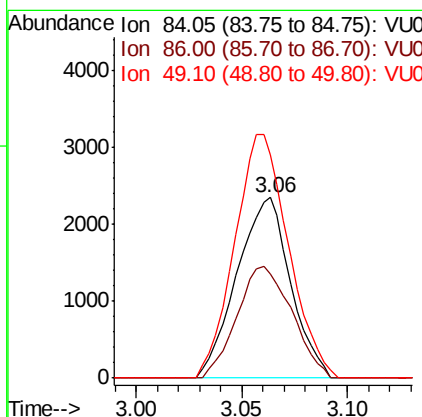
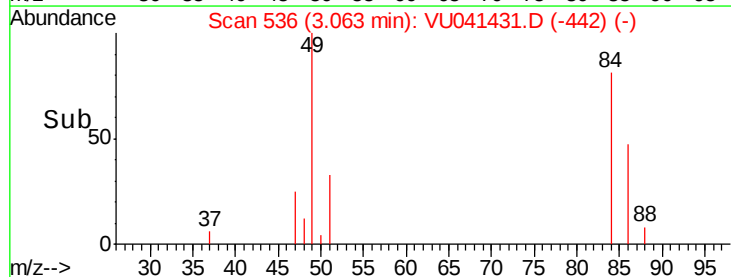
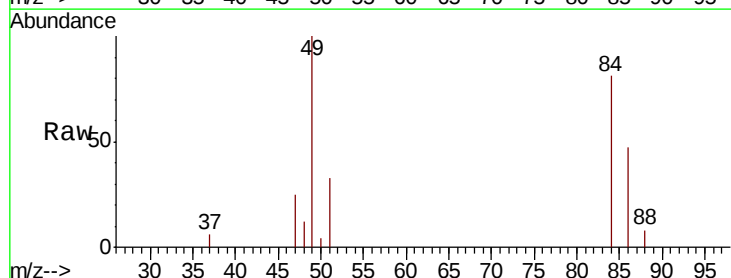
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5103

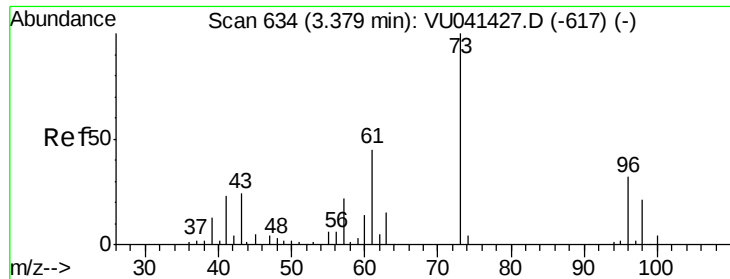
Tot Ion: 43 Resp: 792
Ion Ratio Lower Upper
43 100
74 5.4 18.0 27.0#



#16
Methylene chloride
Concen: 0.795 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU041431.D
Acq: 25 Nov 2020 14:47

Tgt Ion: 84 Resp: 4138
Ion Ratio Lower Upper
84 100
86 58.0 44.5 82.7
49 123.9 81.8 152.0

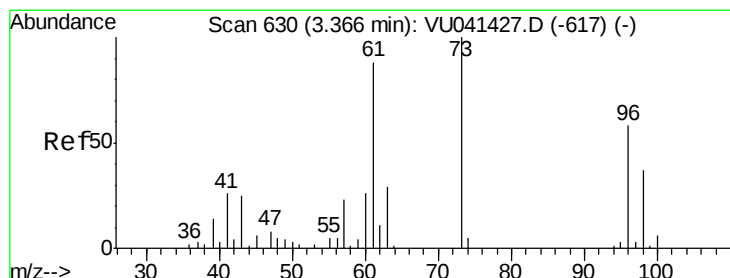
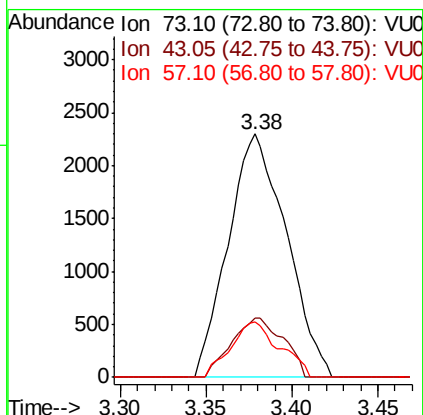
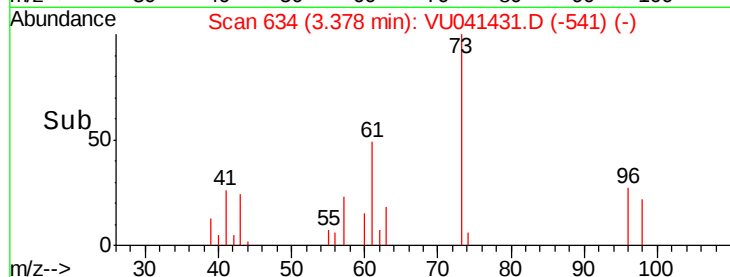
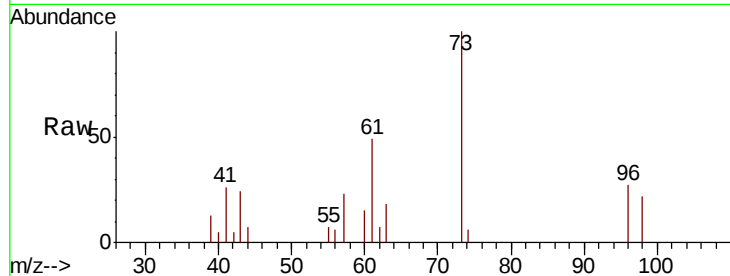




#17
Methvl tert-butvl Ether
Concen: 0.469 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041431.D
Acq: 25 Nov 2020 14:47

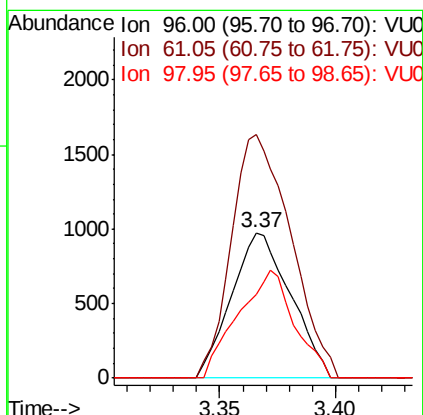
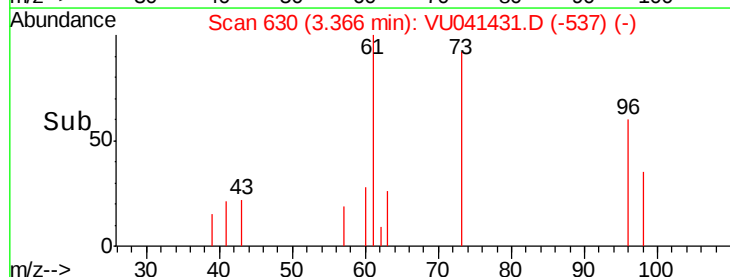
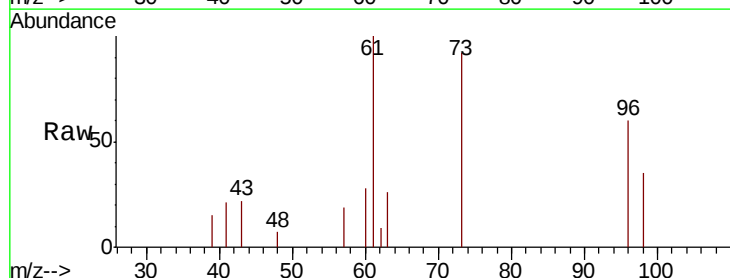
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5103

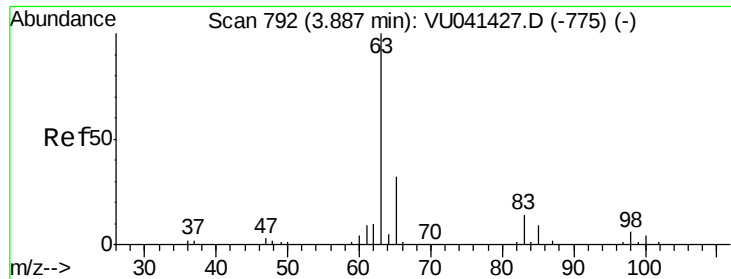
Tot Ion: 73 Resp: 5412
Ion Ratio Lower Upper
73 100
43 21.5 19.8 29.8
57 19.2 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 0.389 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU041431.D
Acq: 25 Nov 2020 14:47

Tgt Ion: 96 Resp: 1727
Ion Ratio Lower Upper
96 100
61 167.7 106.4 197.6
98 58.0 44.4 82.4

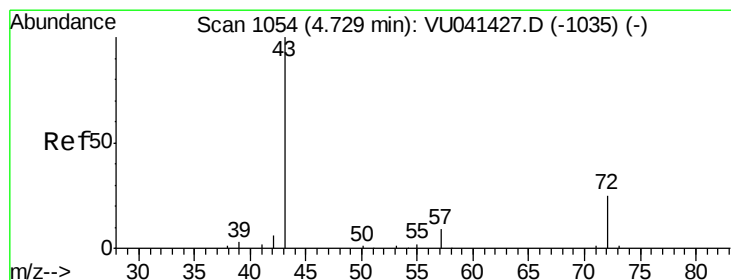
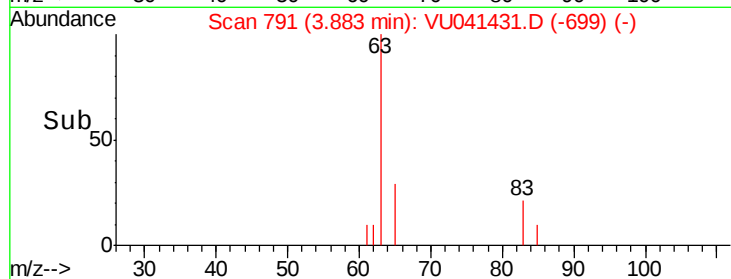
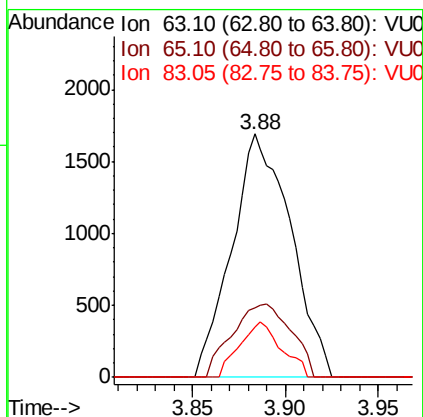
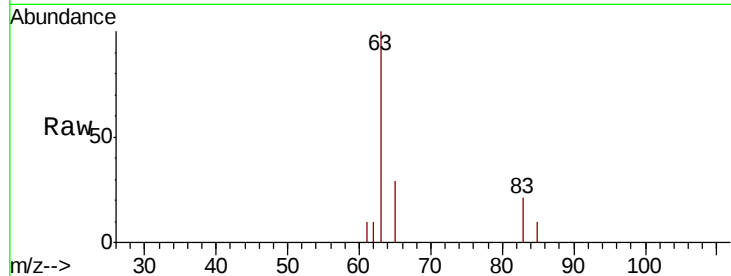




#19
 1,1-Dichloroethane
 Concen: 0.409 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

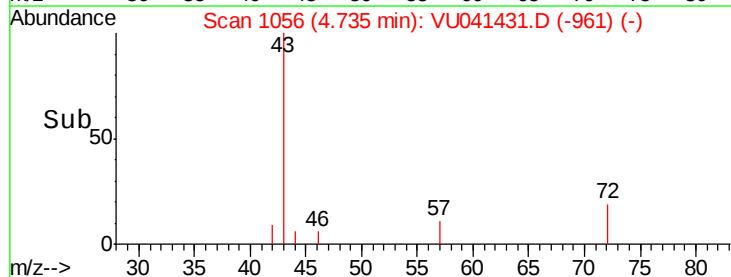
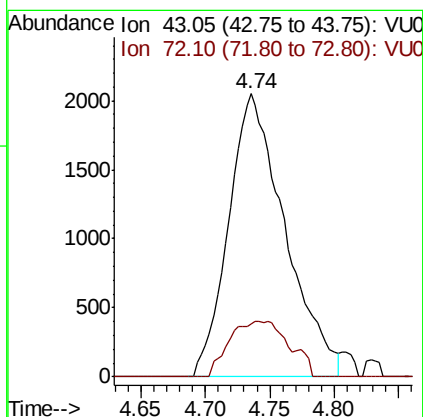
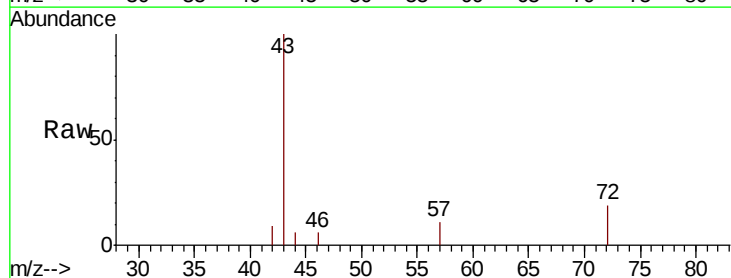
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

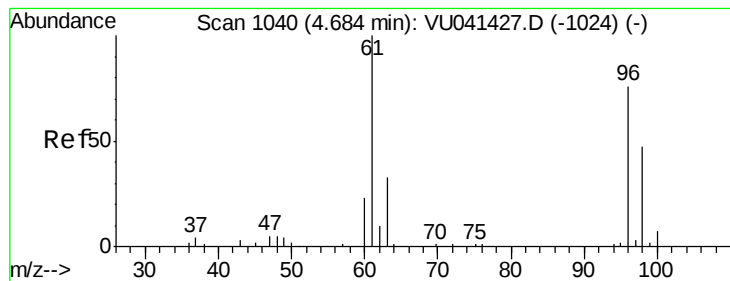
Tot Ion: 63 Resp: 3751
 Ion Ratio Lower Upper
 63 100
 65 28.7 22.3 41.3
 83 20.9 9.9 18.3#



#21
 2-Butanone
 Concen: 3.505 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

Tgt Ion: 43 Resp: 6223
 Ion Ratio Lower Upper
 43 100
 72 20.9 13.4 40.1





#22

cis-1,2-Dichloroethene

Concen: 0.452 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5103

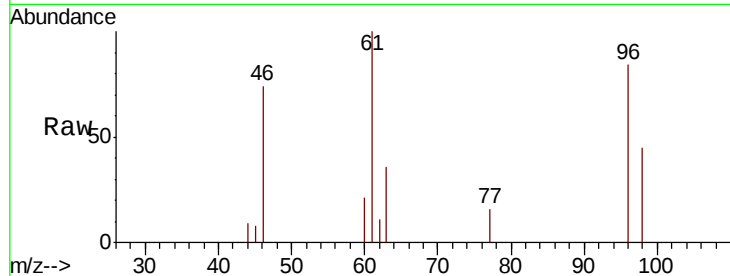
Tot Ion: 96 Resp: 2166

Ion Ratio Lower Upper

96 100

61 119.1 92.3 171.3

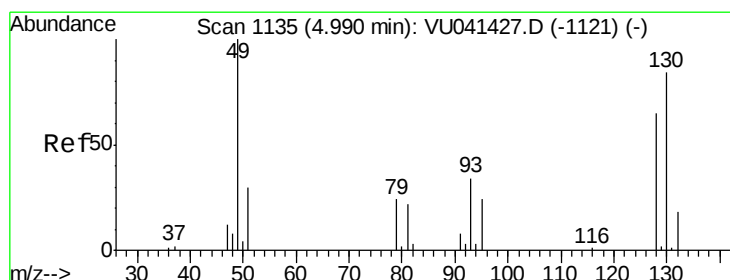
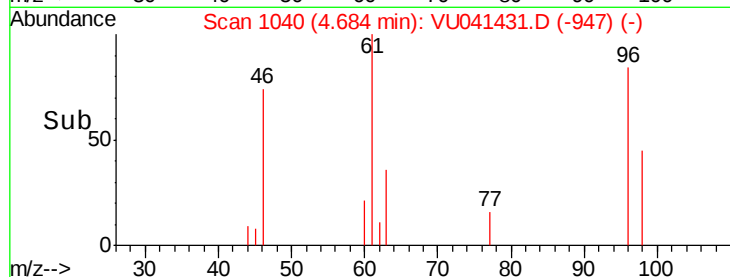
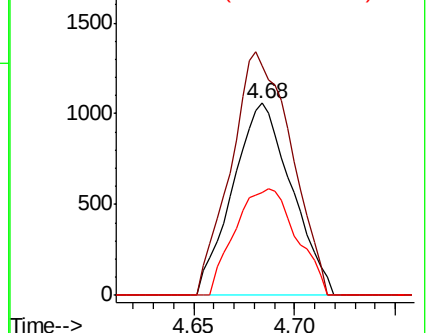
98 53.6 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VU041431.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041431.D (-947) (-)

Ion 98.00 (97.70 to 98.70): VU041431.D (-947) (-)



#23

Bromochloromethane

Concen: 0.469 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

Tgt Ion: 128 Resp: 1063

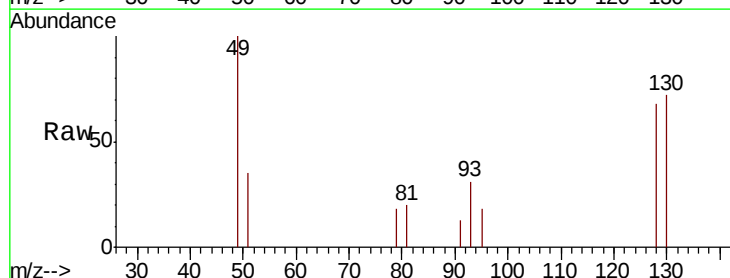
Ion Ratio Lower Upper

128 100

49 146.6 108.4 201.4

130 105.2 91.2 169.4

51 51.6 37.8 56.6

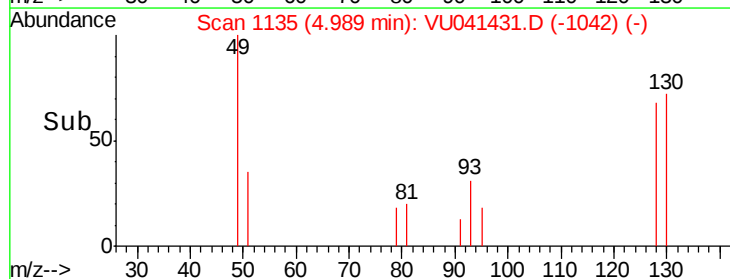
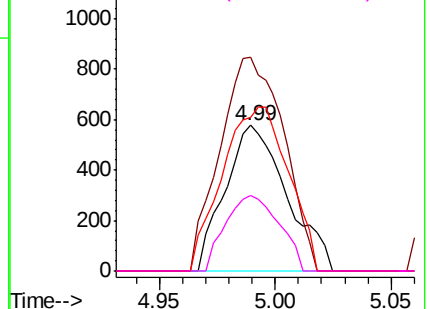


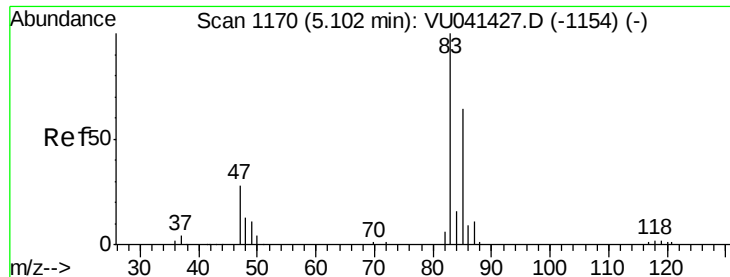
Abundance Ion 127.90 (127.60 to 128.60): VU041431.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU041431.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU041431.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU041431.D (-1042) (-)

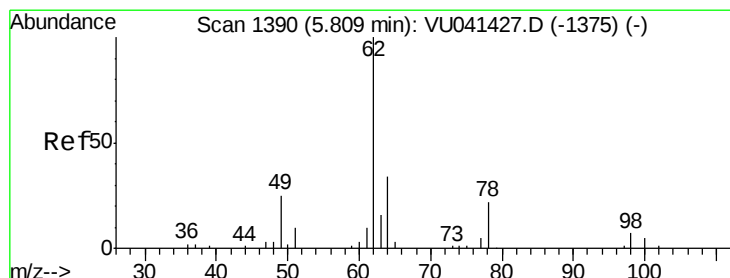
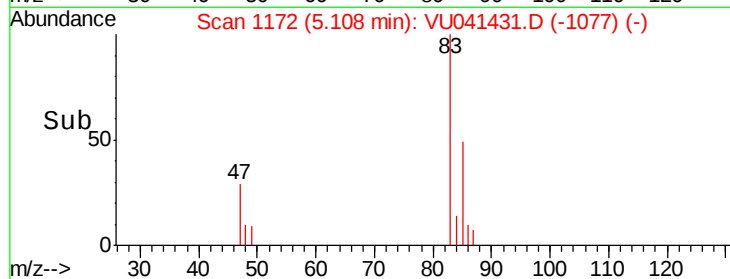
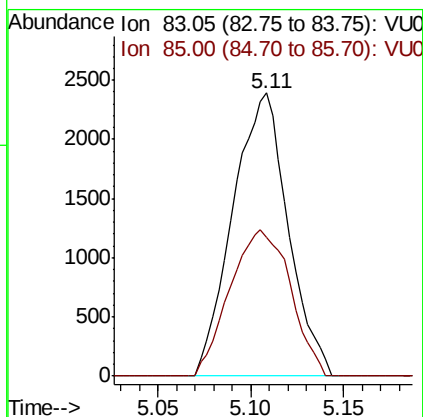
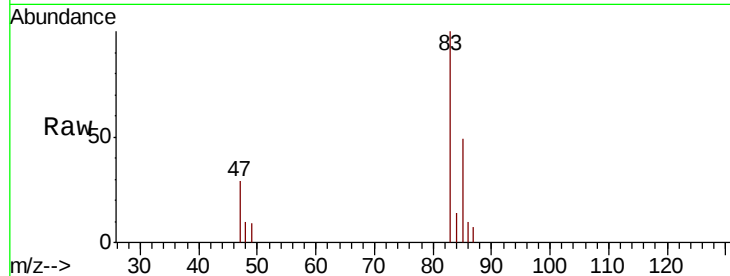




#25
Chloroform
Concen: 0.520 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU041431.D
Acq: 25 Nov 2020 14:47

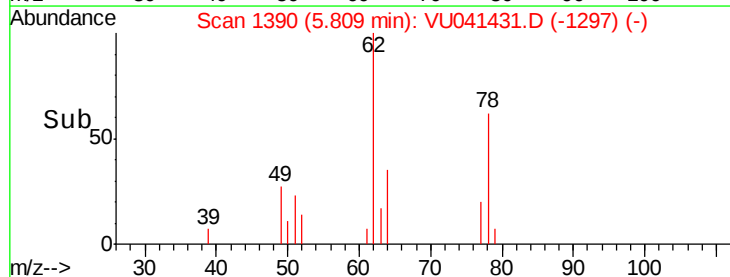
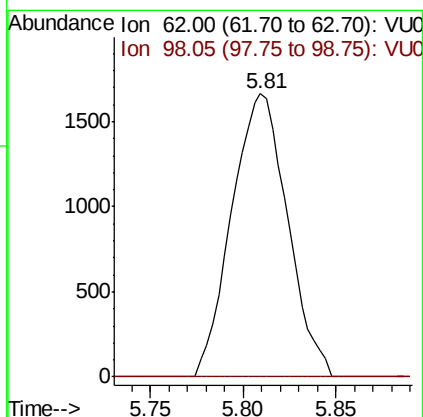
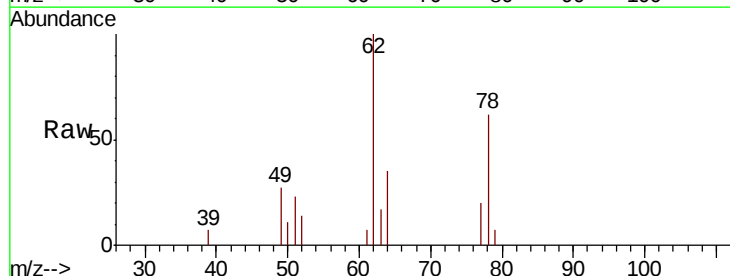
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5103

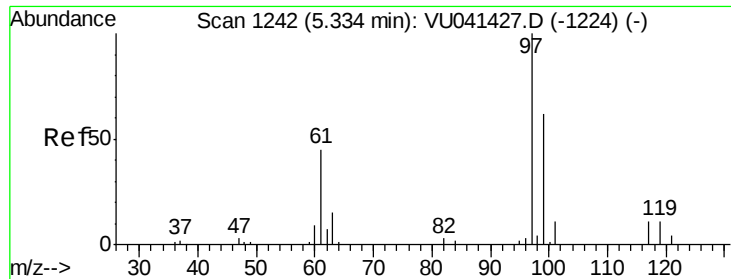
Tot Ion: 83 Resp: 4963
Ion Ratio Lower Upper
83 100
85 49.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.499 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU041431.D
Acq: 25 Nov 2020 14:47

Tgt Ion: 62 Resp: 3484
Ion Ratio Lower Upper
62 100
98 0.0 5.8 8.6#

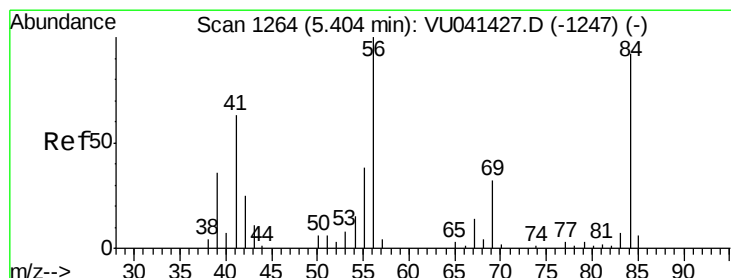
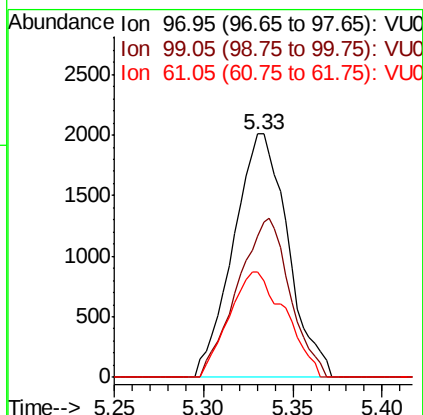
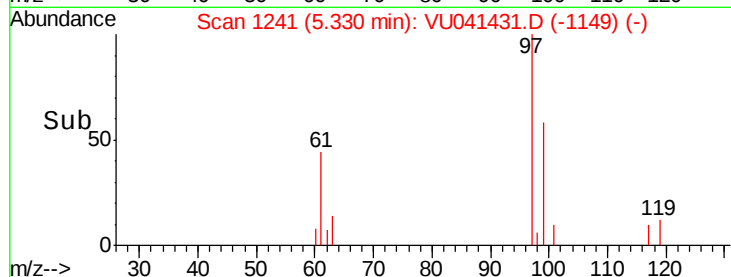
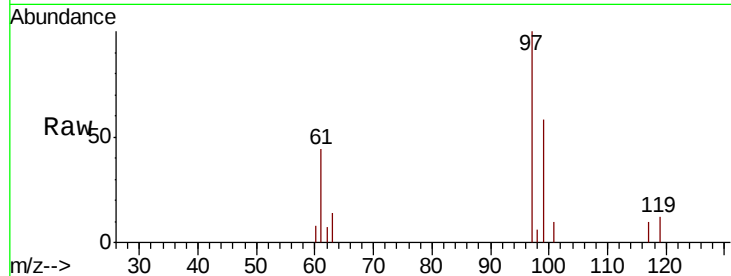




#29
1,1,1-Trichloroethane
Concen: 0.488 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU041431.D
Acq: 25 Nov 2020 14:47

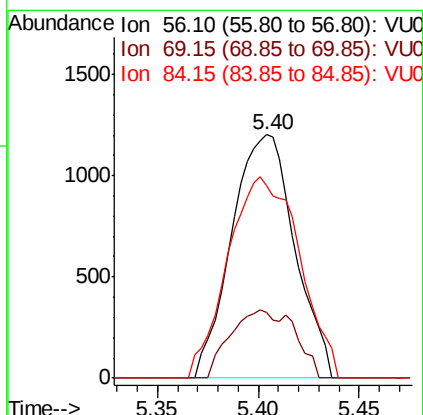
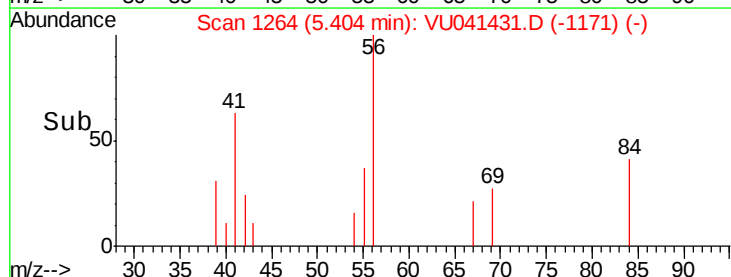
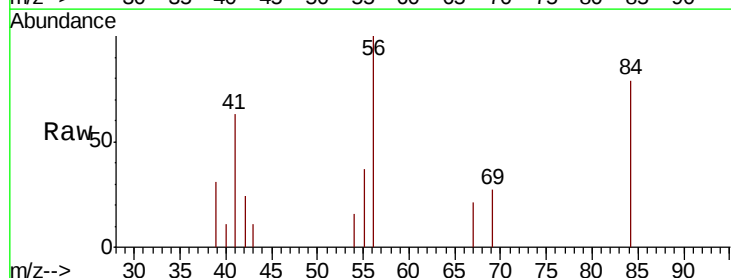
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5103

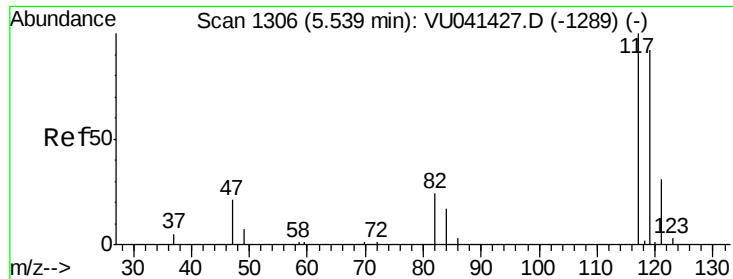
Tot Ion: 97 Resp: 4279
Ion Ratio Lower Upper
97 100
99 63.1 50.7 76.1
61 44.9 36.9 55.3



#30
Cyclohexane
Concen: 0.342 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU041431.D
Acq: 25 Nov 2020 14:47

Tgt Ion: 56 Resp: 2619
Ion Ratio Lower Upper
56 100
69 28.4 25.2 37.8
84 94.0 70.8 106.2

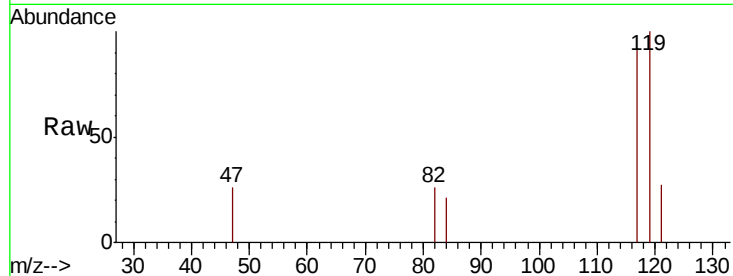




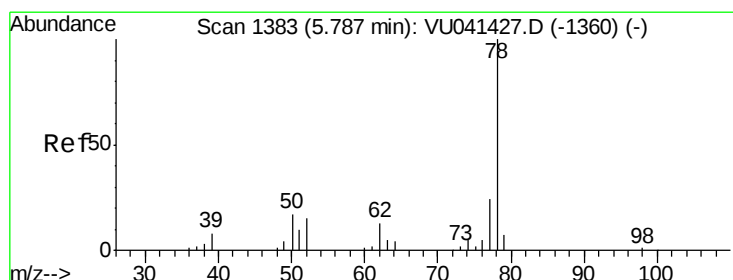
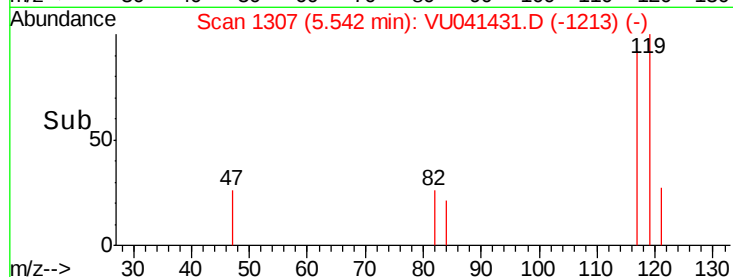
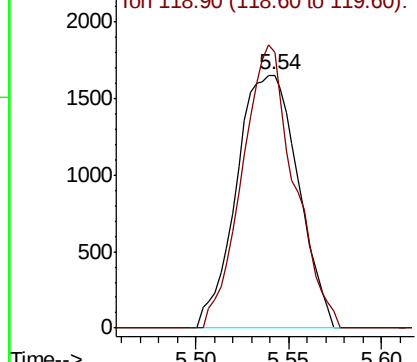
#31
Carbon tetrachloride
Concen: 0.505 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU041431.D
Acq: 25 Nov 2020 14:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5103

Tot Ion:117 Resp: 3822
Ion Ratio Lower Upper
117 100
119 94.5 77.2 115.8

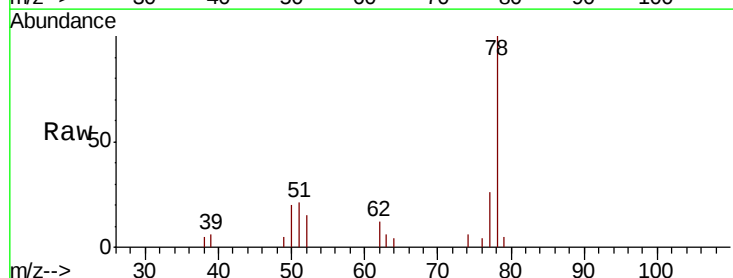


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

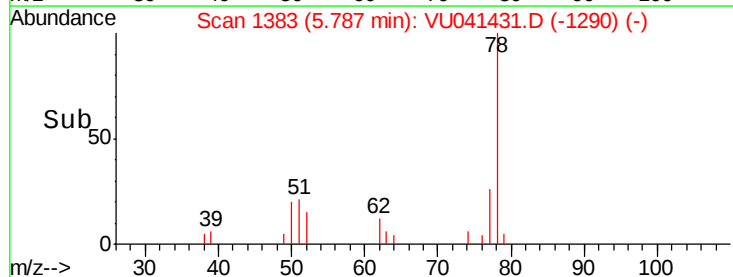
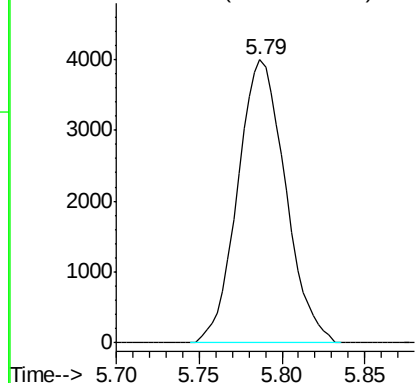


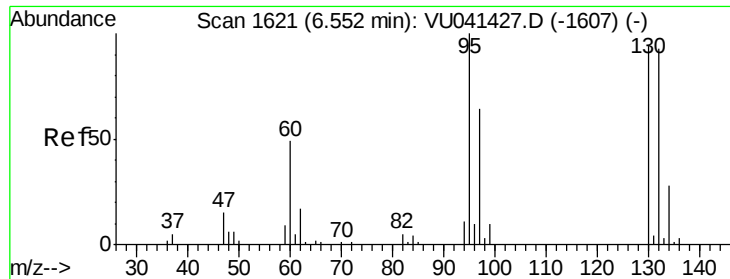
#33
Benzene
Concen: 0.408 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041431.D
Acq: 25 Nov 2020 14:47

Tgt Ion: 78 Resp: 7990



Abundance Ion 78.10 (77.80 to 78.80): VU0

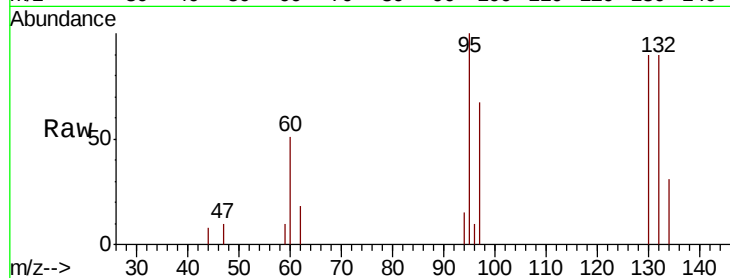




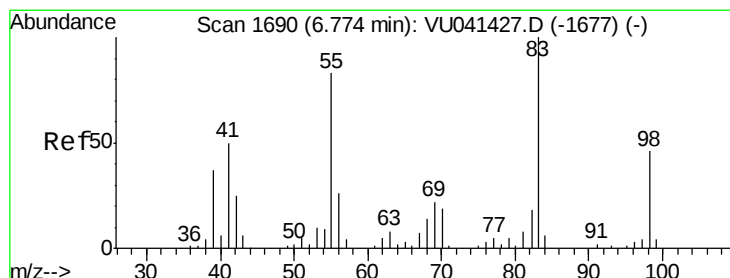
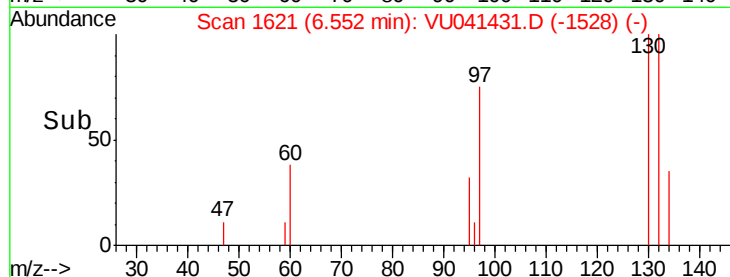
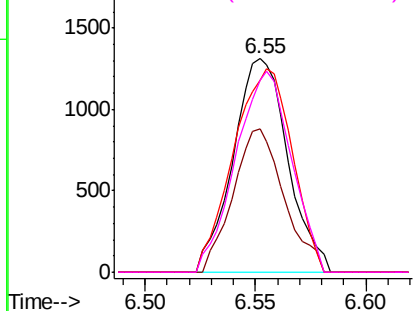
#34
 Trichloroethene
 Concen: 0.426 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

Tot Ion:	95	Resp:	2265
Ion	Ratio	Lower	Upper
95	100		
97	67.1	44.8	83.2
132	89.9	64.8	120.4
130	90.0	65.8	122.2

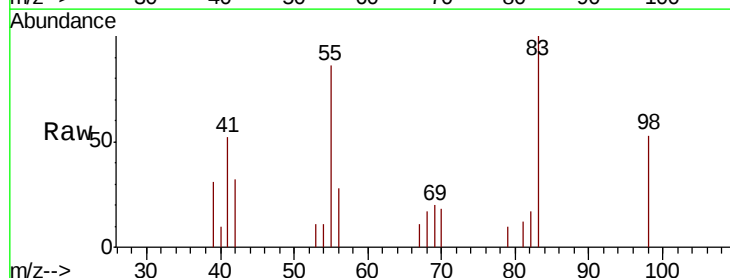


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

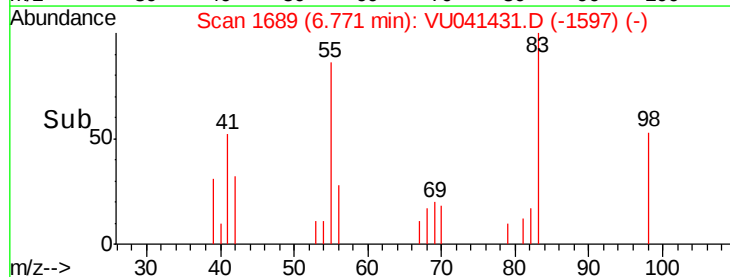
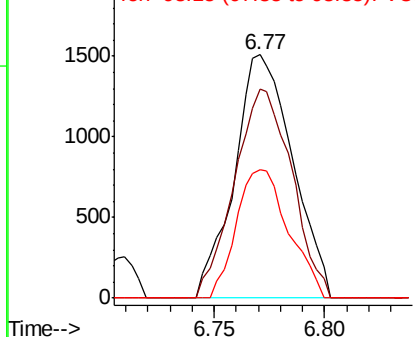


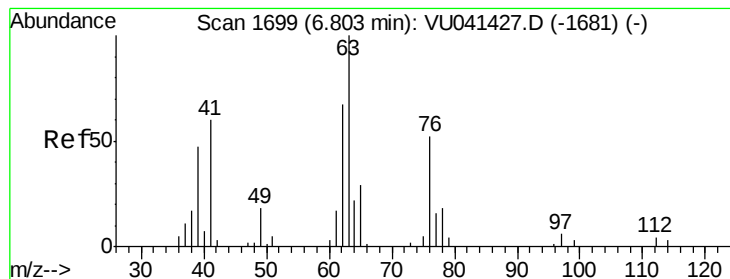
#35
 Methylcyclohexane
 Concen: 0.374 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

Tgt Ion:	83	Resp:	2769
Ion	Ratio	Lower	Upper
83	100		
55	84.3	66.5	99.7
98	47.1	36.8	55.2



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.369 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

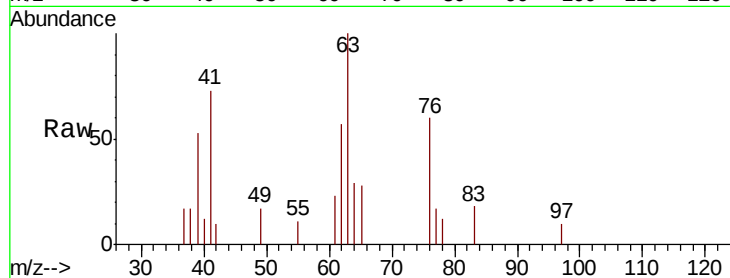
VSTD0.5103

Tot Ion: 63 Resp: 2021

Ion Ratio Lower Upper

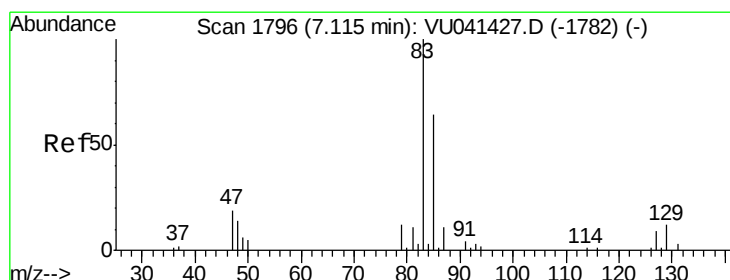
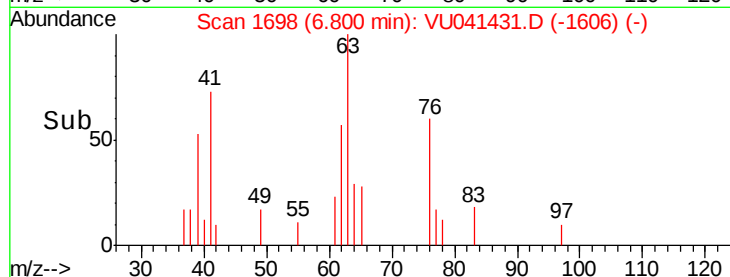
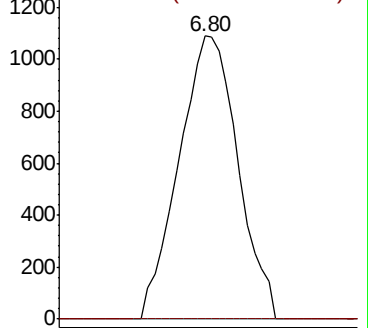
63 100

112 0.0 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU041427.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041427.D (-1681) (-)



#38

Bromodichloromethane

Concen: 0.456 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

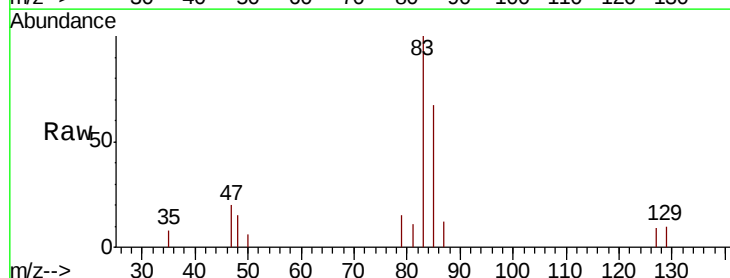
Tgt Ion: 83 Resp: 3262

Ion Ratio Lower Upper

83 100

85 66.9 44.7 83.1

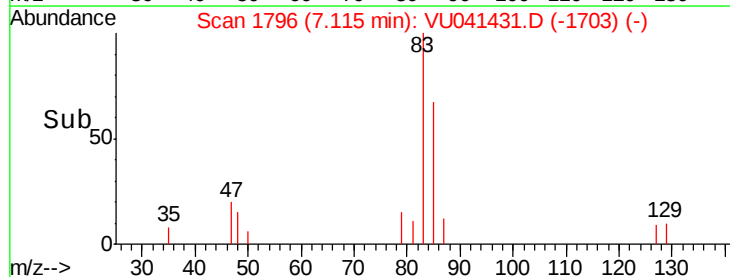
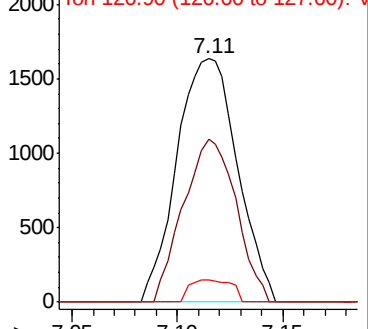
127 9.1 7.2 10.8

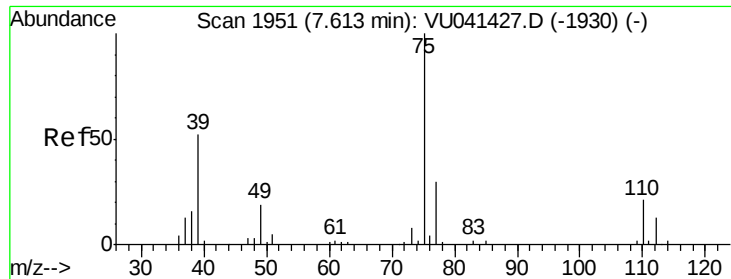


Abundance Ion 82.95 (82.65 to 83.65): VU041427.D (-1782) (-)

Ion 85.00 (84.70 to 85.70): VU041427.D (-1782) (-)

Ion 126.90 (126.60 to 127.60): VU041427.D (-1782) (-)

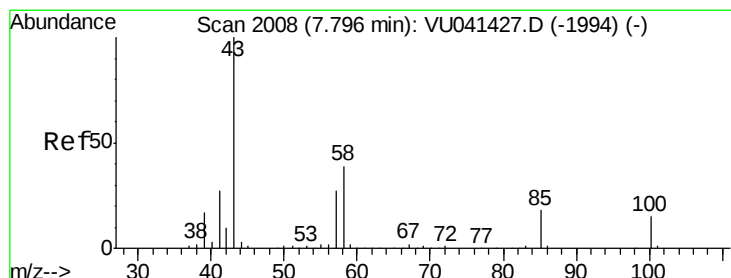
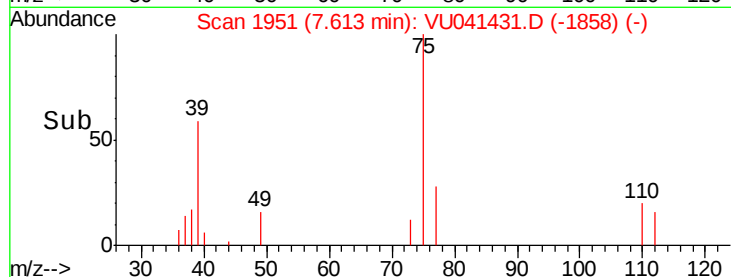
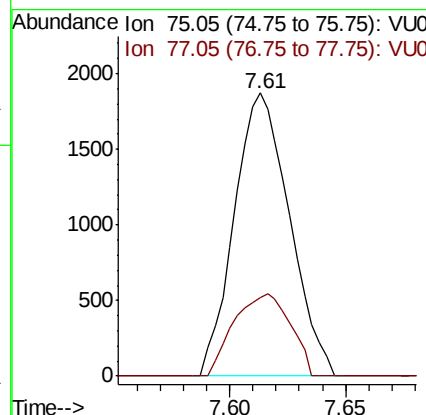
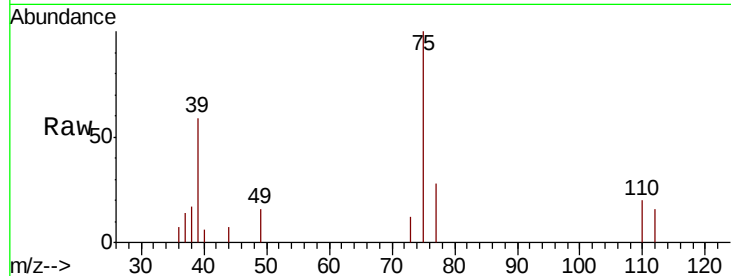




#39
 cis-1,3-Dichloropropene
 Concen: 0.410 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

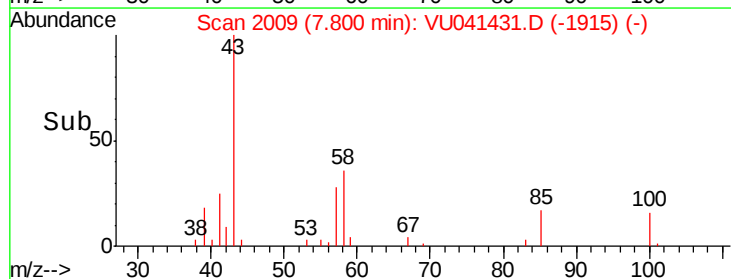
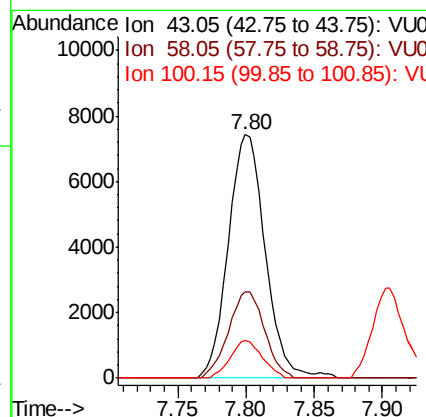
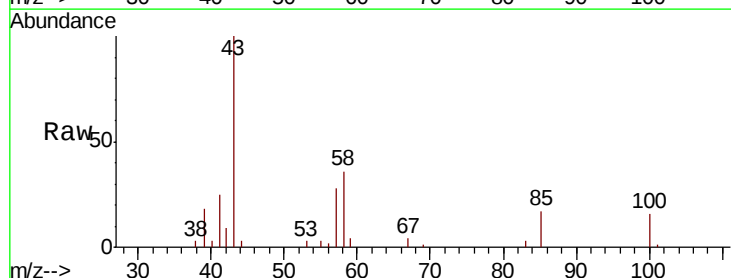
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

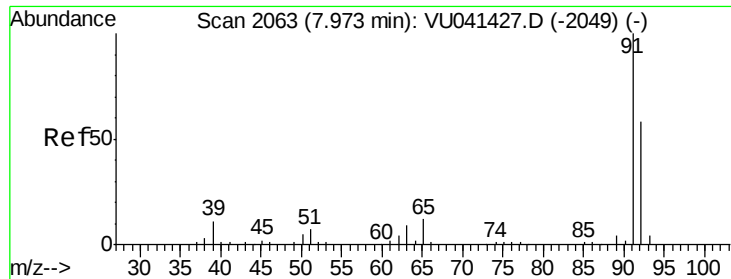
Tot Ion: 75 Resp: 3089
 Ion Ratio Lower Upper
 75 100
 77 27.8 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 3.436 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

Tgt Ion: 43 Resp: 14000
 Ion Ratio Lower Upper
 43 100
 58 34.4 31.0 46.6
 100 13.3 12.0 18.0





#42

Toluene

Concen: 0.426 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

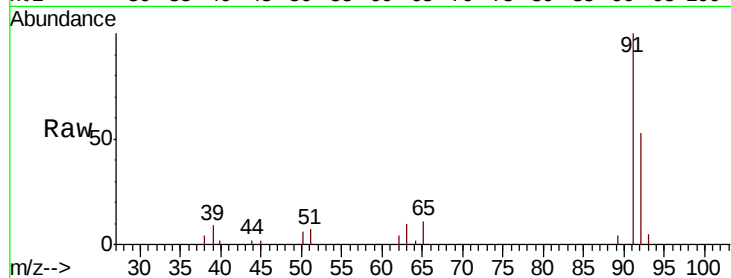
VSTD0.5103

Tot Ion: 91 Resp: 8601

Ion Ratio Lower Upper

91 100

92 53.1 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

6000

5000

4000

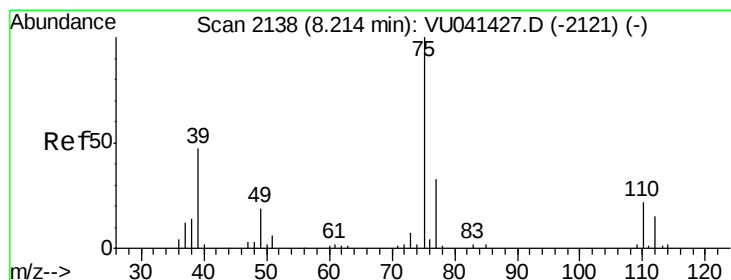
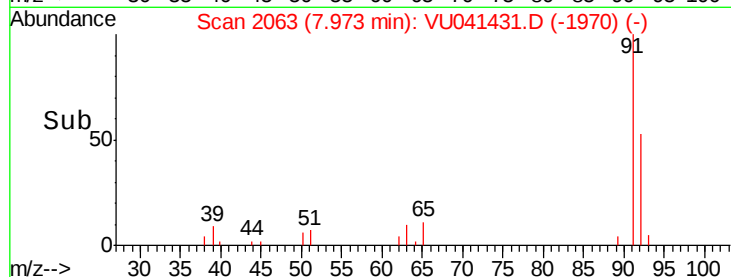
3000

2000

1000

0

Time--> 7.90 7.95 8.00



#44

trans-1,3-Dichloropropene

Concen: 0.397 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041431.D

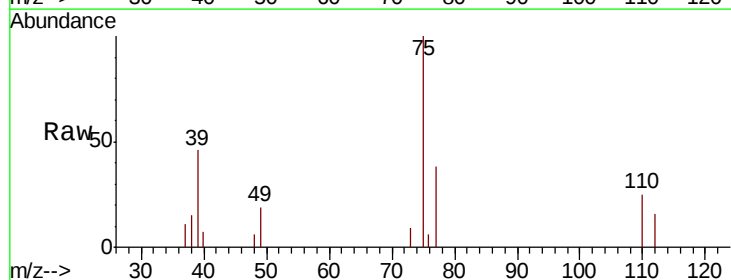
Acq: 25 Nov 2020 14:47

Tgt Ion: 75 Resp: 2811

Ion Ratio Lower Upper

75 100

77 37.6 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.22

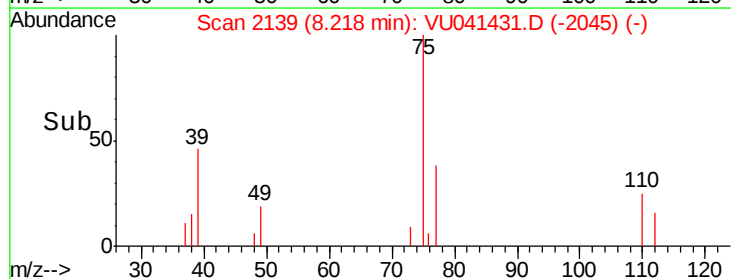
1500

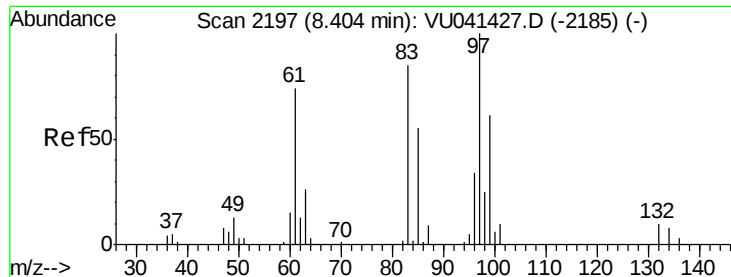
1000

500

0

Time--> 8.15 8.20 8.25

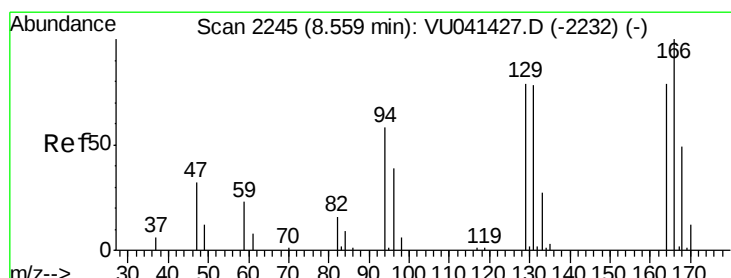
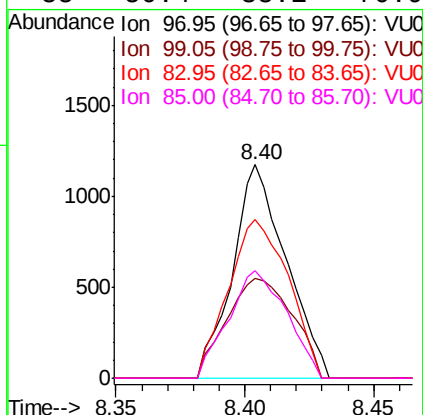
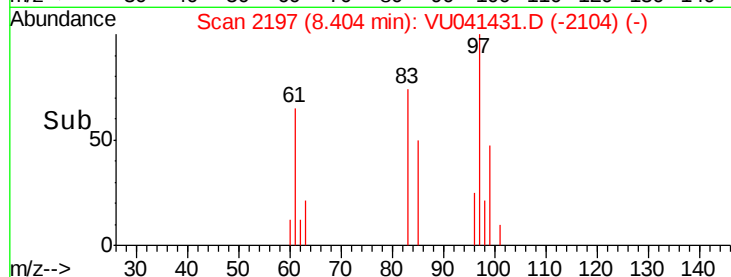
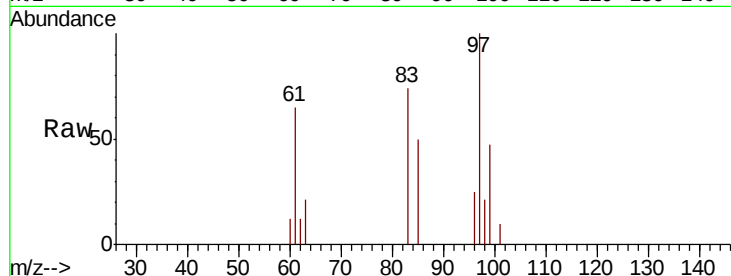




#45
 1,1,2-Trichloroethane
 Concen: 0.427 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

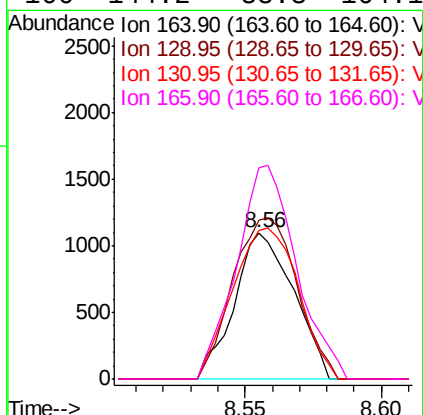
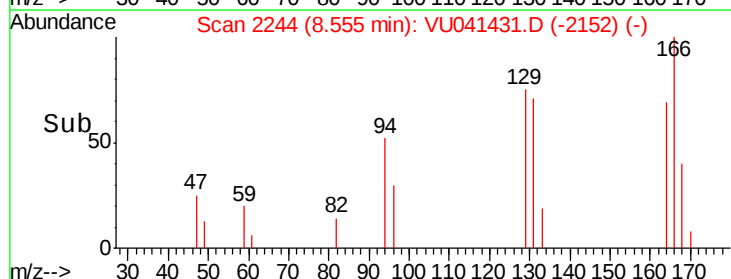
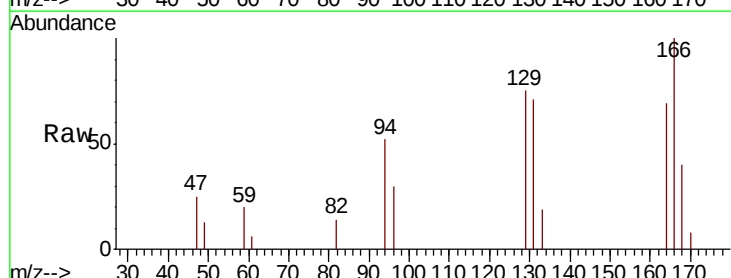
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

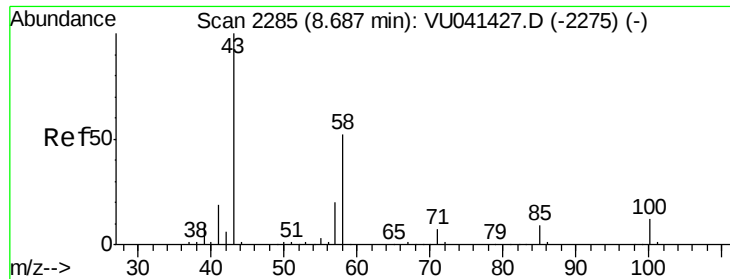
Tot Ion:	97	Resp:	1692
Ion	Ratio	Lower	Upper
97	100		
99	46.8	42.5	78.9
83	74.0	59.8	111.1
85	50.4	38.1	70.9



#47
 Tetrachloroethene
 Concen: 0.443 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

Tgt Ion:	164	Resp:	1651
Ion	Ratio	Lower	Upper
164	100		
129	108.8	70.0	130.0
131	101.7	68.6	127.4
166	144.2	88.3	164.1

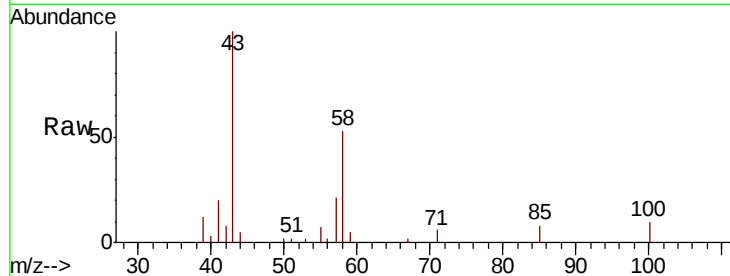




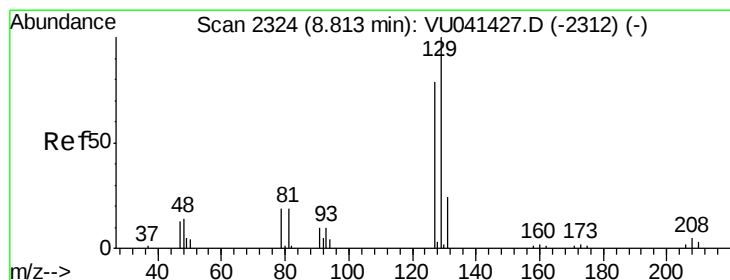
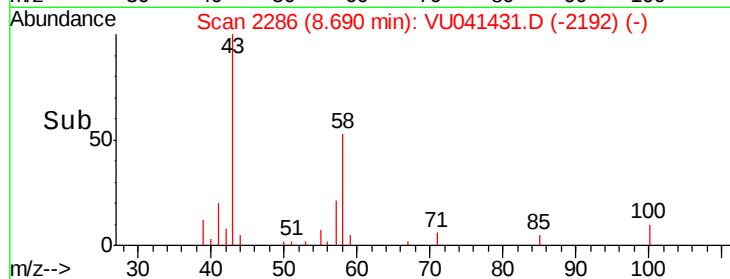
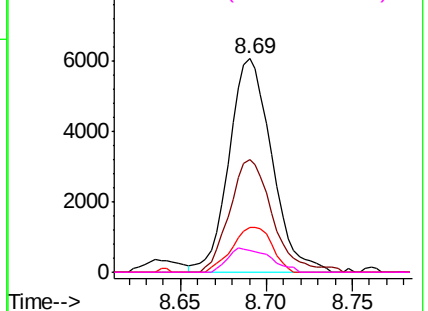
#48
2-Hexanone
Concen: 3.449 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041431.D
Acq: 25 Nov 2020 14:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5103

Tot Ion:	43	Resp:	10544
Ion	Ratio	Lower	Upper
43	100		
58	52.9	42.0	63.0
57	19.6	16.0	24.0
100	11.0	9.3	13.9

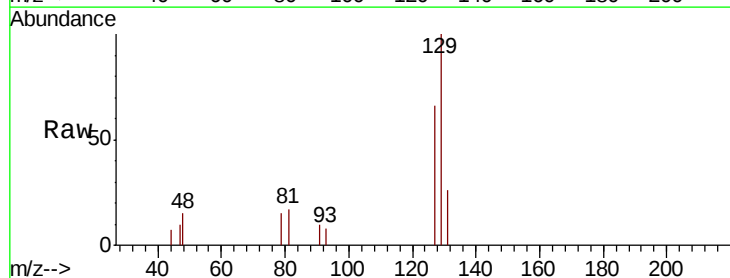


Abundance Ion 43.05 (42.75 to 43.75): VU041427.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU041427.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU041427.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU041427.D (-2275) (-)

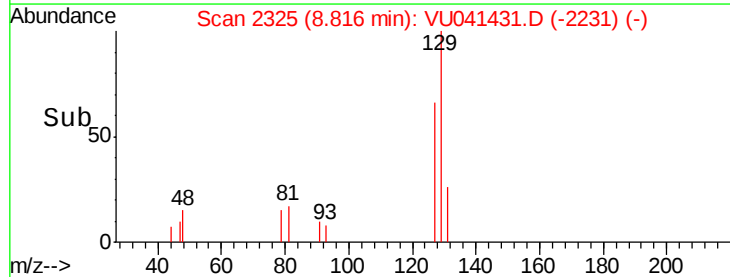
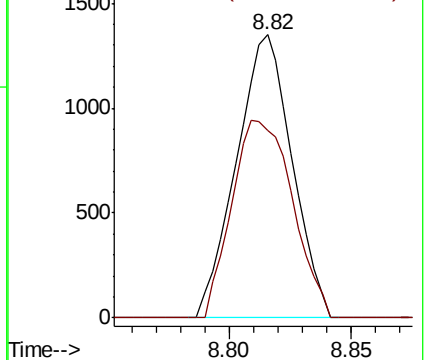


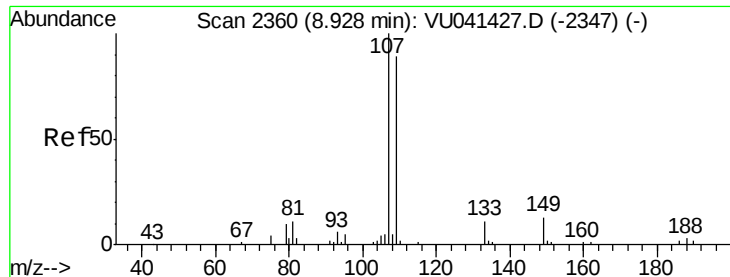
#49
Dibromochloromethane
Concen: 0.446 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041431.D
Acq: 25 Nov 2020 14:47

Tgt Ion:	129	Resp:	2132
Ion	Ratio	Lower	Upper
129	100		
127	66.3	55.5	103.1



Abundance Ion 128.95 (128.65 to 129.65): VU041427.D (-2312) (-)
Ion 126.90 (126.60 to 127.60): VU041427.D (-2312) (-)

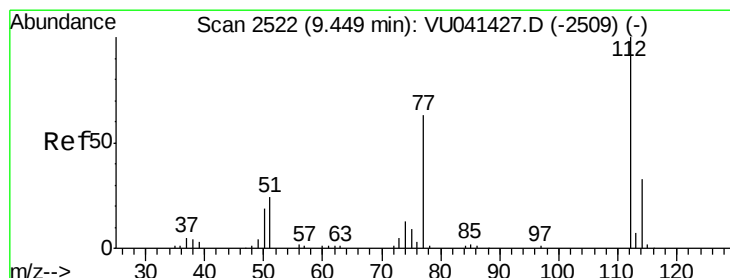
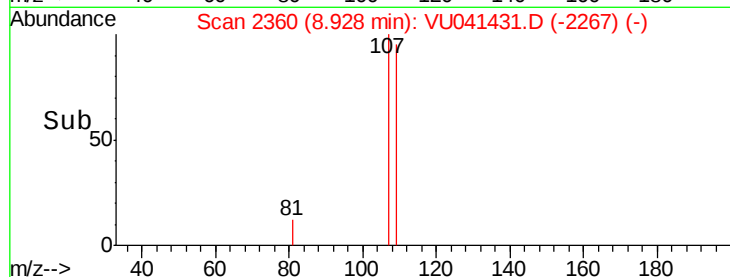
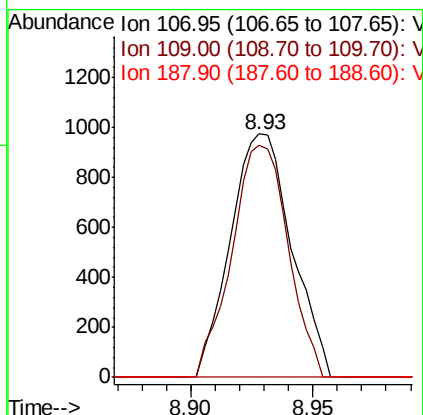
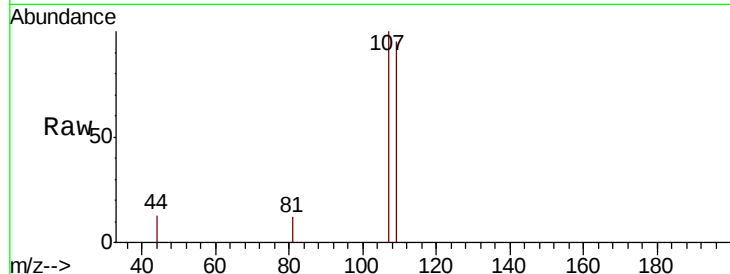




#50
 1,2-Dibromoethane
 Concen: 0.449 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

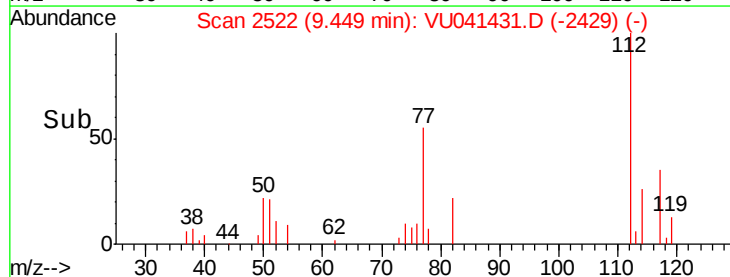
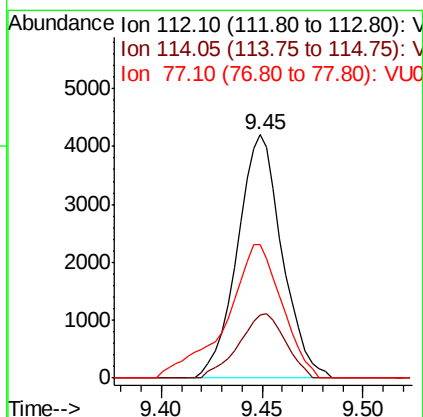
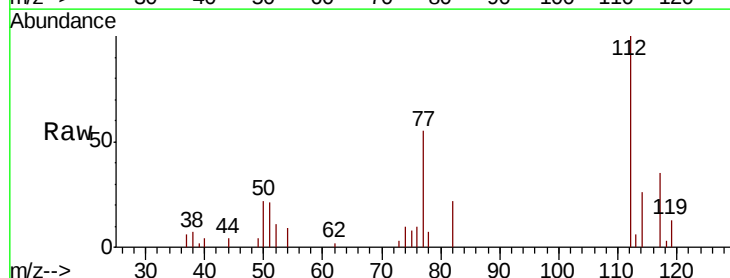
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

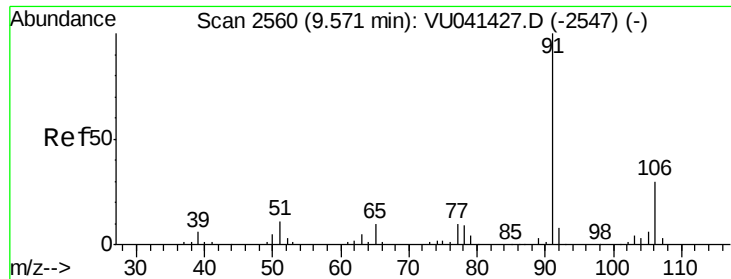
Tot Ion:107 Resp: 1699
 Ion Ratio Lower Upper
 107 100
 109 95.4 62.6 116.3
 188 0.0 2.6 4.0#



#51
 Chlorobenzene
 Concen: 0.506 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

Tgt Ion:112 Resp: 6514
 Ion Ratio Lower Upper
 112 100
 114 25.9 23.4 43.6
 77 54.8 51.2 76.8





#52

Ethylbenzene

Concen: 0.459 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

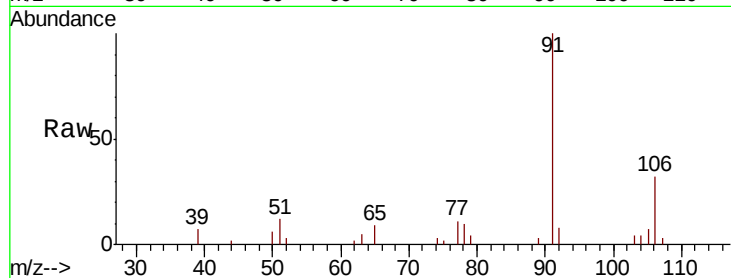
VSTD0.5103

Tot Ion: 91 Resp: 9614

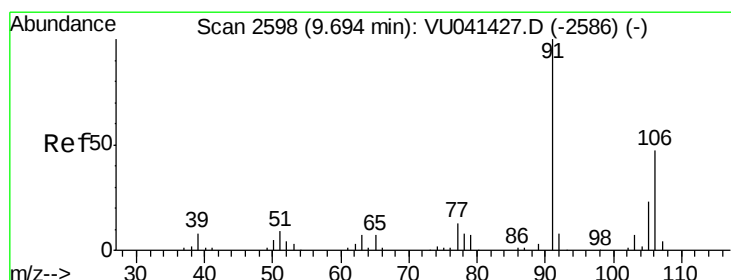
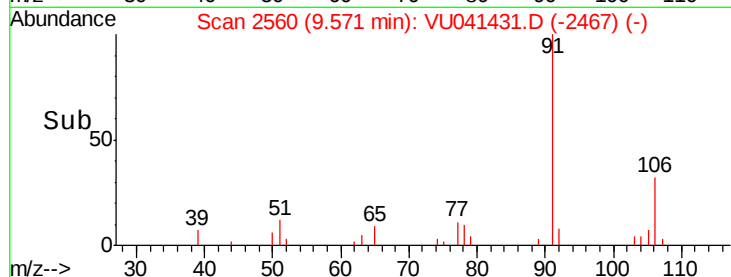
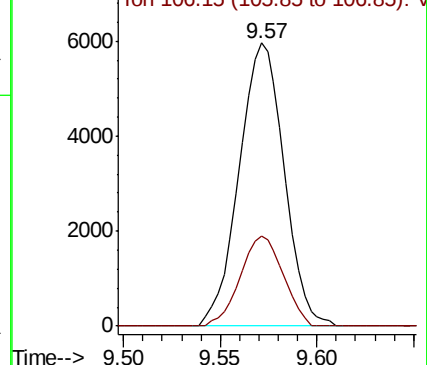
Ion Ratio Lower Upper

91 100

106 31.7 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041431.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.419 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU041431.D

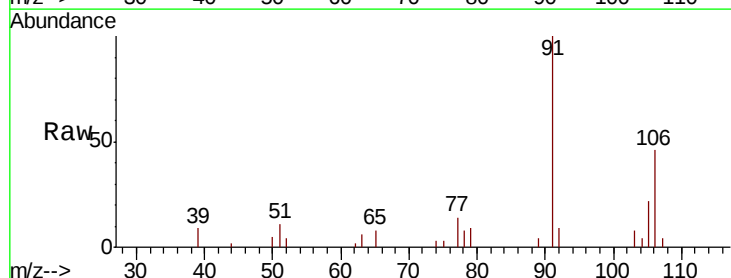
Acq: 25 Nov 2020 14:47

Tgt Ion: 106 Resp: 3192

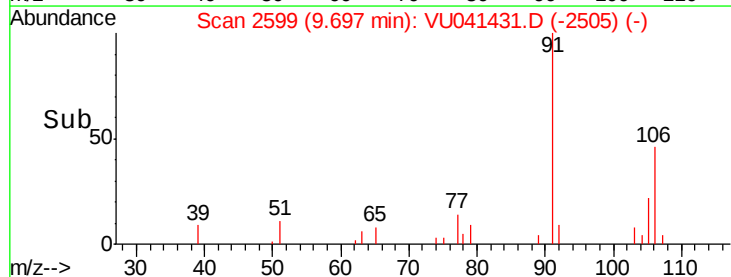
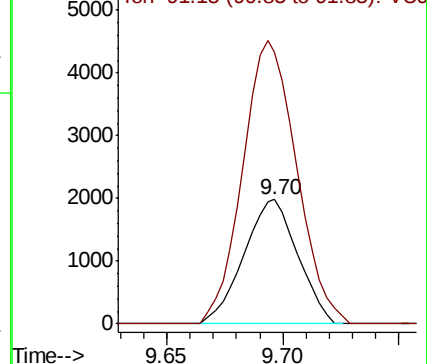
Ion Ratio Lower Upper

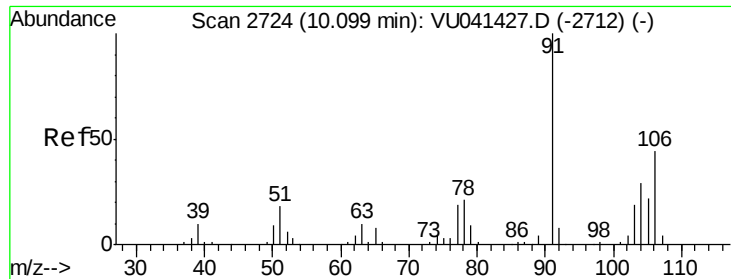
106 100

91 218.5 148.8 276.4



Abundance Ion 106.15 (105.85 to 106.85): VU041431.D (-2598) (-)

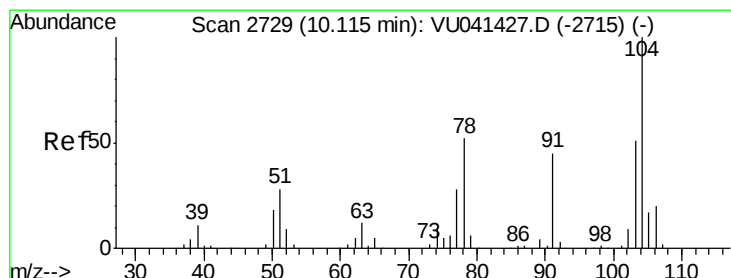
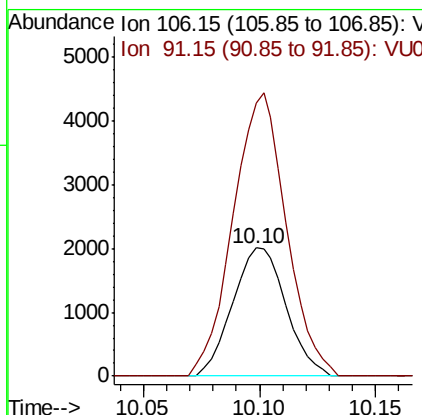
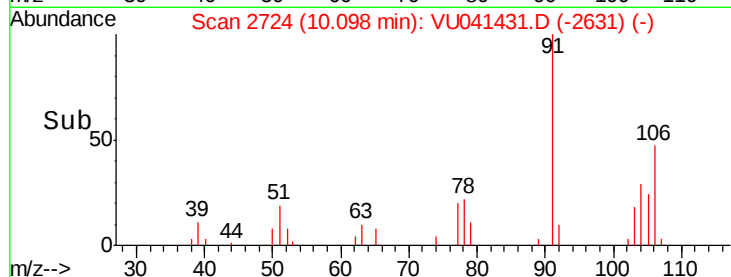
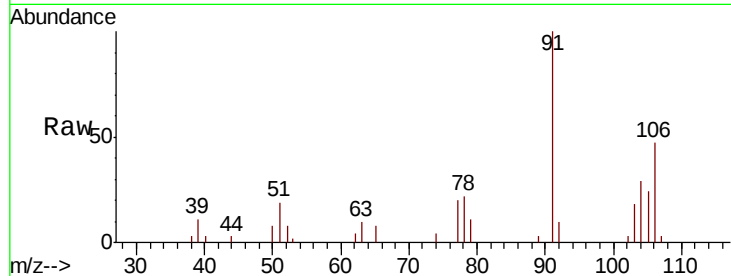




#54
o-Xylene
Concen: 0.439 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041431.D
Acq: 25 Nov 2020 14:47

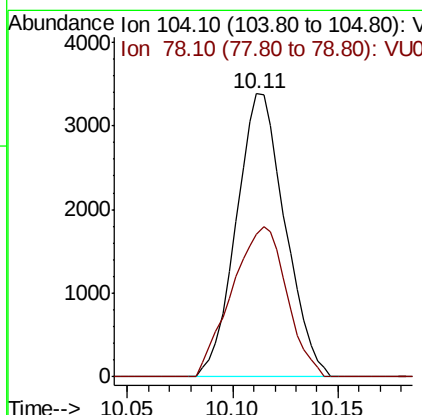
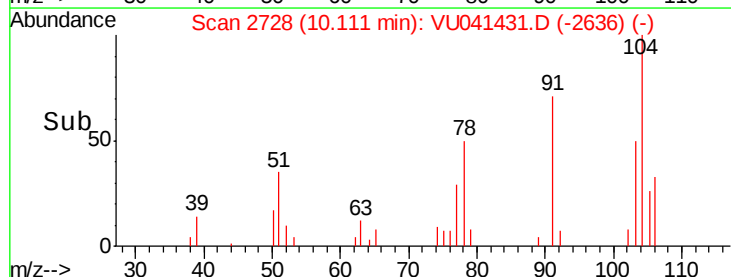
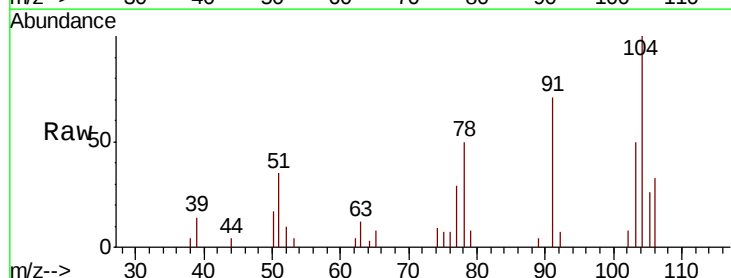
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5103

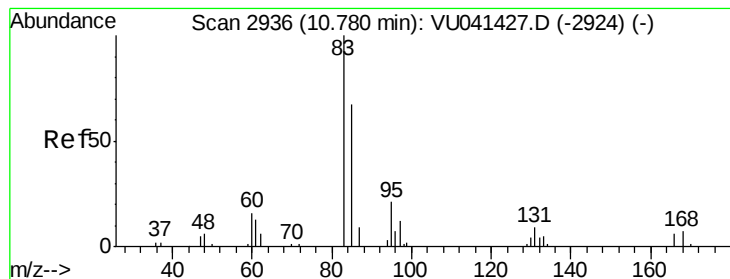
Tot Ion:106 Resp: 3213
Ion Ratio Lower Upper
106 100
91 213.1 159.3 295.9



#55
Styrene
Concen: 0.428 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041431.D
Acq: 25 Nov 2020 14:47

Tgt Ion:104 Resp: 5432
Ion Ratio Lower Upper
104 100
78 50.4 36.4 67.6





#57

1,1,2,2-Tetrachloroethane

Concen: 0.424 ug/L

RT: 10.79 min Scan# 2938

Delta R.T. 0.01 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5103

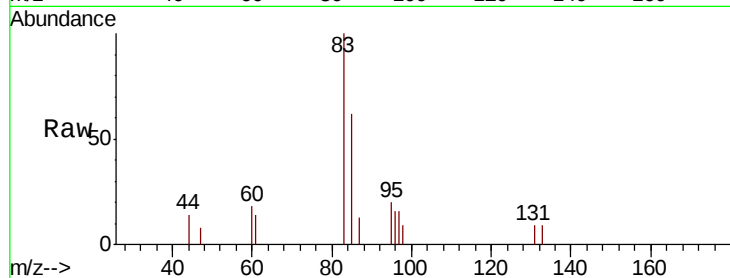
Tot Ion: 83 Resp: 2175

Ion Ratio Lower Upper

83 100

85 62.0 47.2 87.6

131 8.9 8.3 12.5

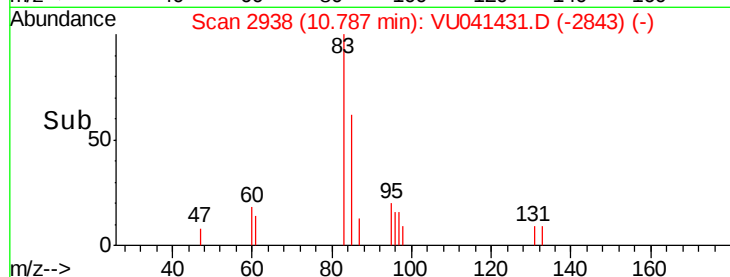


Abundance Ion 82.95 (82.65 to 83.65): VU041427.D (-2924) (-)

Ion 85.00 (84.70 to 85.70): VU041427.D (-2924) (-)

Ion 130.95 (130.65 to 131.65): VU041427.D (-2924) (-)

Time-->

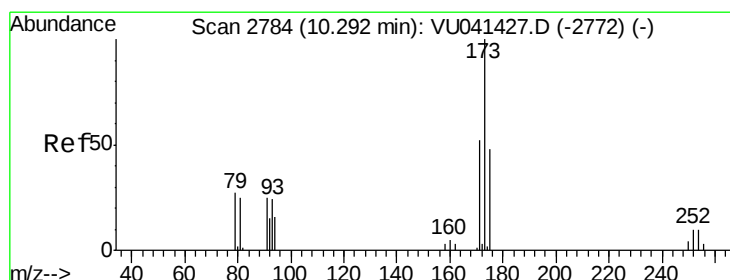


Abundance Ion 82.95 (82.65 to 83.65): VU041431.D (-2843) (-)

Ion 85.00 (84.70 to 85.70): VU041431.D (-2843) (-)

Ion 130.95 (130.65 to 131.65): VU041431.D (-2843) (-)

Time-->



#59

Bromoform

Concen: 0.430 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

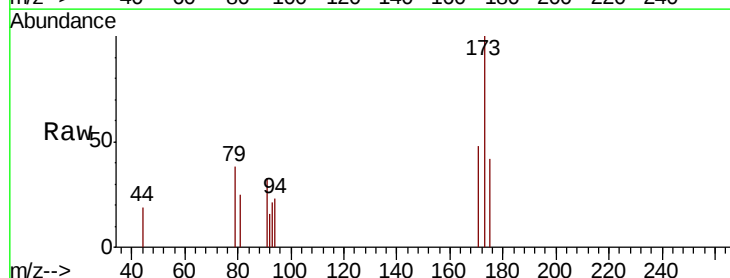
Tgt Ion: 173 Resp: 1175

Ion Ratio Lower Upper

173 100

175 43.0 39.1 58.7

254 0.0 7.2 10.8#

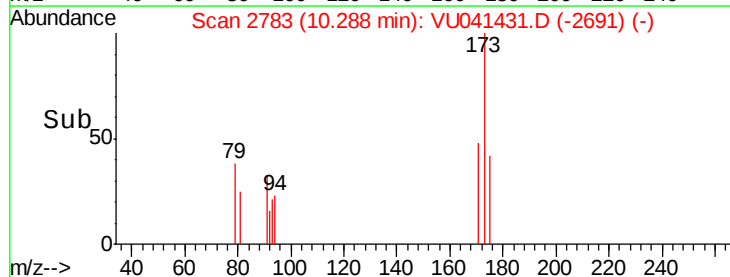


Abundance Ion 172.90 (172.60 to 173.60): VU041427.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041427.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041427.D (-2772) (-)

Time-->

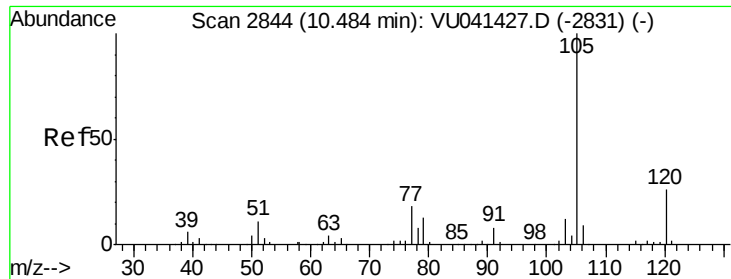


Abundance Ion 172.90 (172.60 to 173.60): VU041431.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VU041431.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VU041431.D (-2691) (-)

Time-->



#60

Isopropylbenzene

Concen: 0.423 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5103

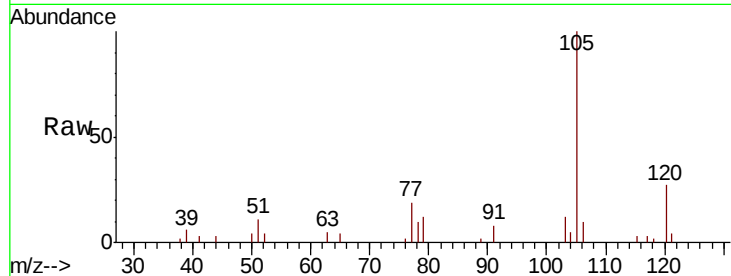
Tot Ion: 105 Resp: 8557

Ion Ratio Lower Upper

105 100

120 26.7 20.2 30.4

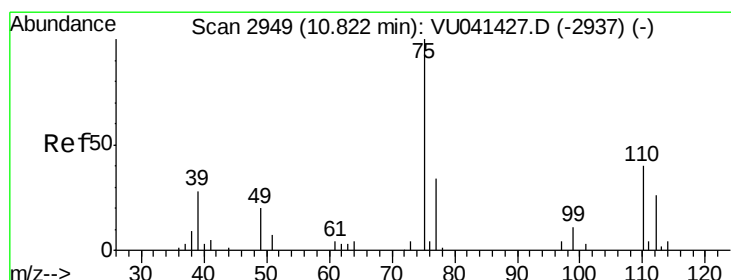
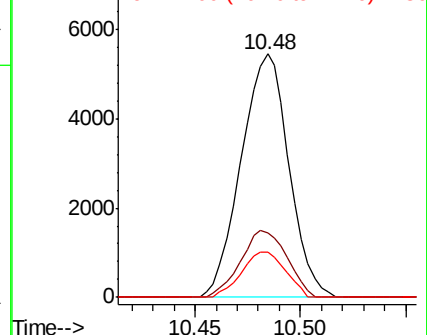
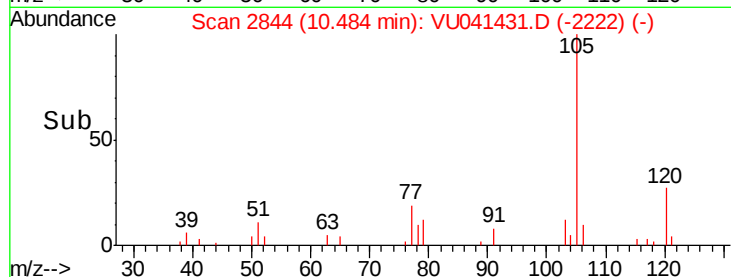
77 17.1 14.2 21.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 0.408 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

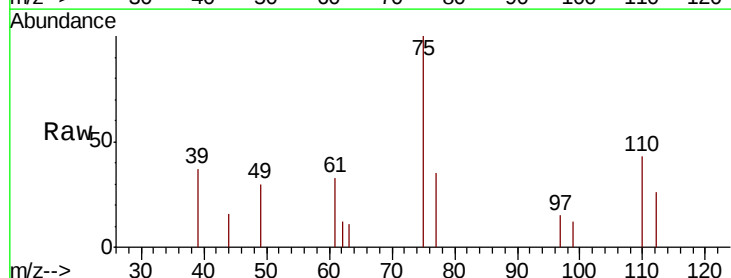
Tgt Ion: 75 Resp: 1667

Ion Ratio Lower Upper

75 100

110 32.9 31.0 46.4

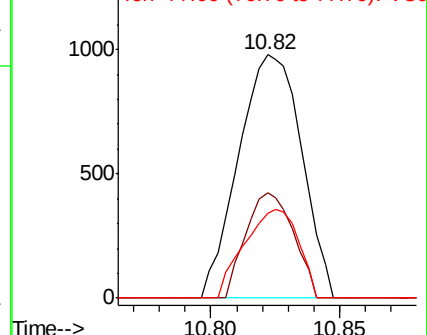
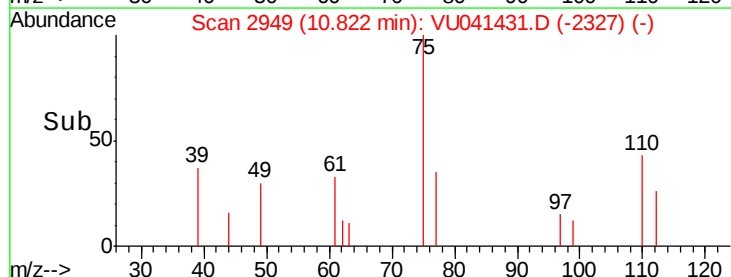
77 31.3 26.0 39.0

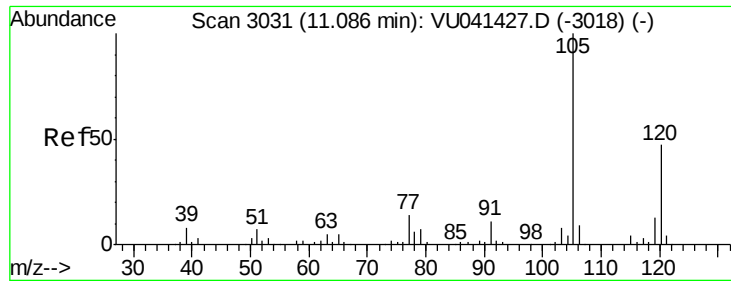


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

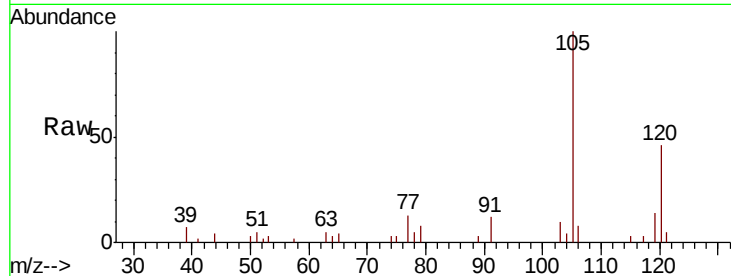




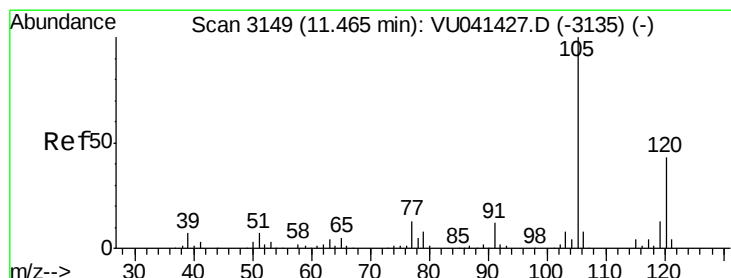
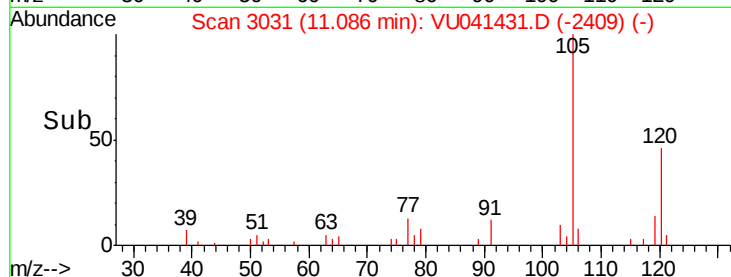
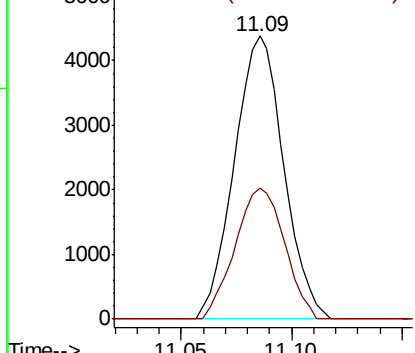
#62
 1,3,5-Trimethylbenzene
 Concen: 0.408 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. -0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

Tot Ion:105 Resp: 6818
 Ion Ratio Lower Upper
 105 100
 120 46.2 37.1 55.7

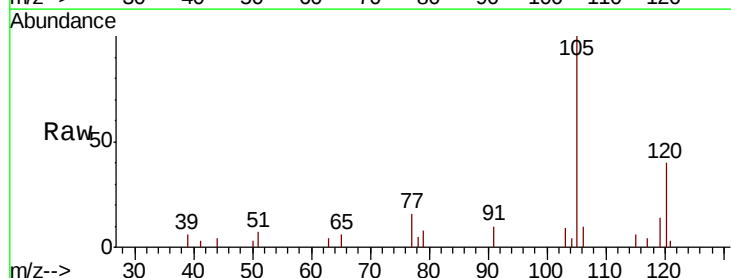


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

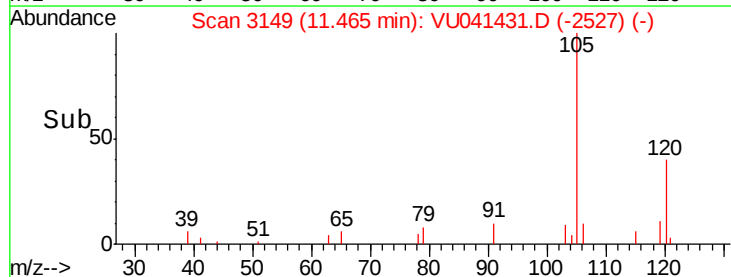
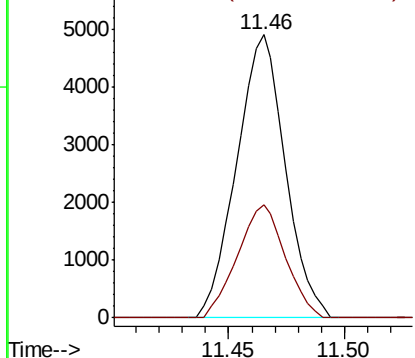


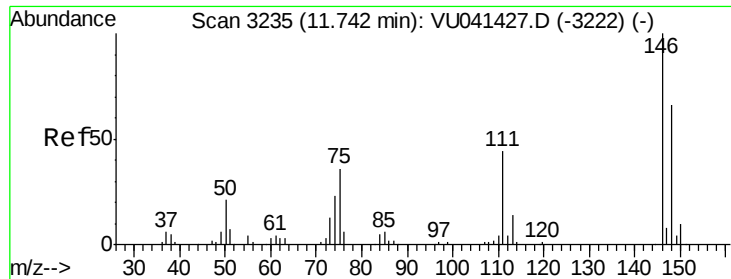
#63
 1,2,4-Trimethylbenzene
 Concen: 0.424 ug/L
 RT: 11.46 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

Tgt Ion:105 Resp: 7156
 Ion Ratio Lower Upper
 105 100
 120 39.1 34.6 51.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

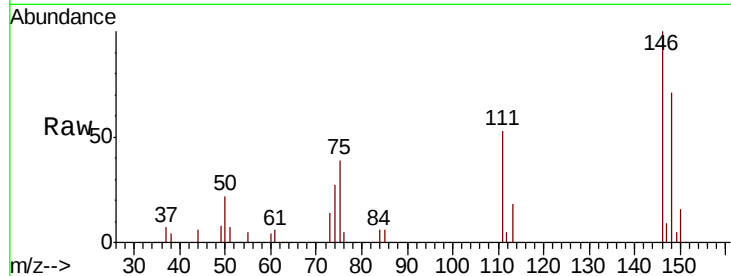




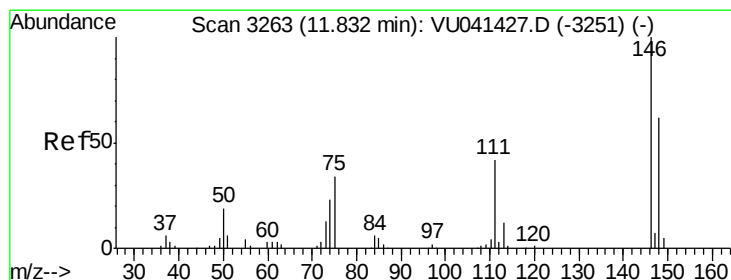
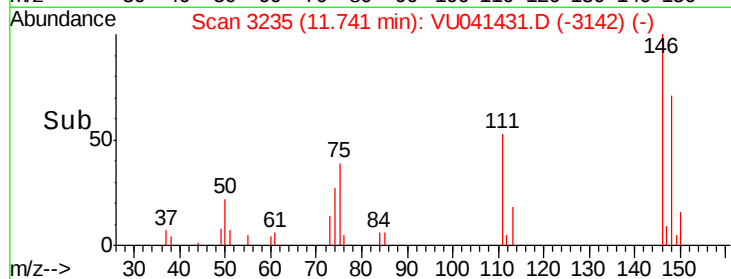
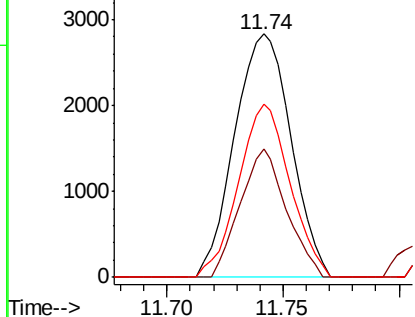
#64
 1,3-Dichlorobenzene
 Concen: 0.467 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

Tot Ion:146 Resp: 4788
 Ion Ratio Lower Upper
 146 100
 111 52.7 30.4 56.5
 148 70.9 46.3 85.9

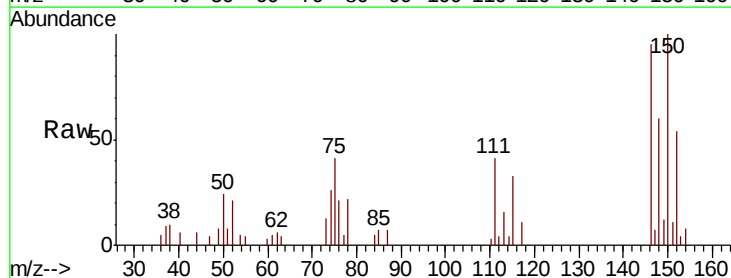


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

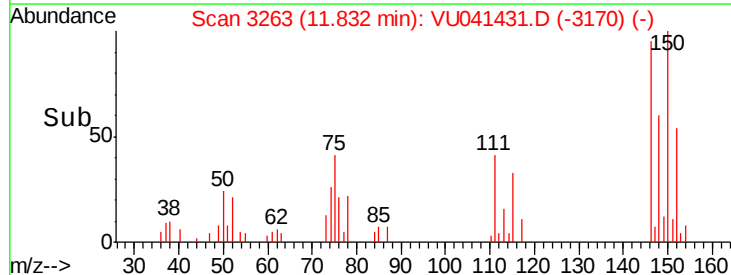
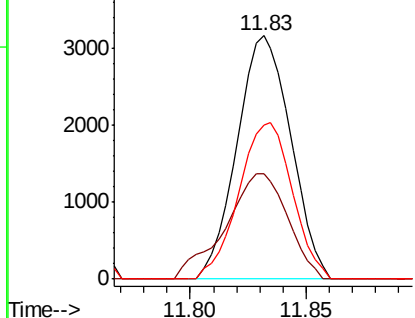


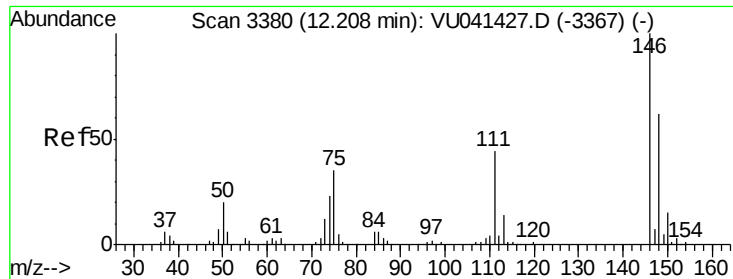
#65
 1,4-Dichlorobenzene
 Concen: 0.490 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

Tgt Ion:146 Resp: 5118
 Ion Ratio Lower Upper
 146 100
 111 43.1 29.5 54.9
 148 63.4 43.3 80.5



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

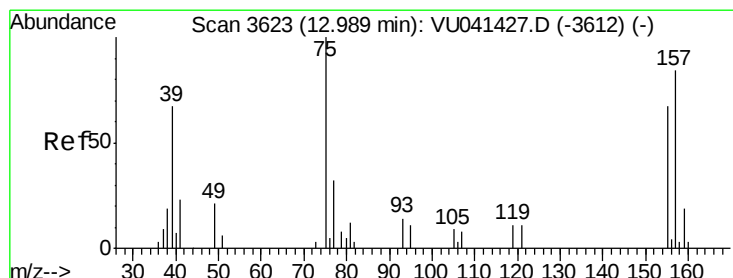
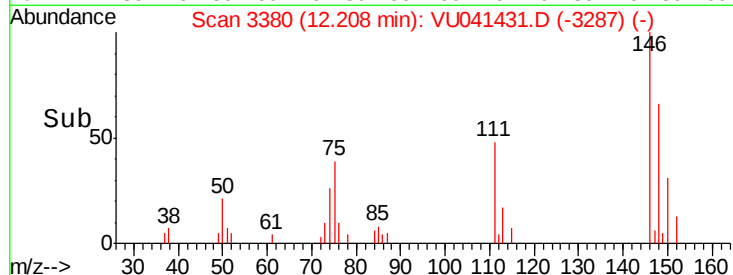
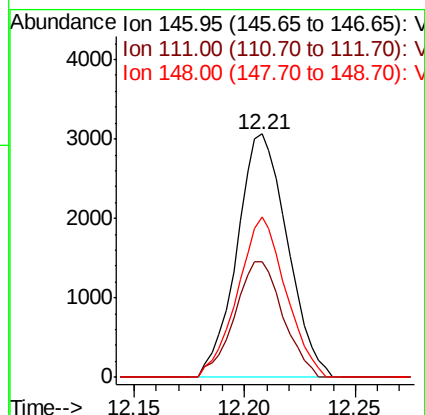
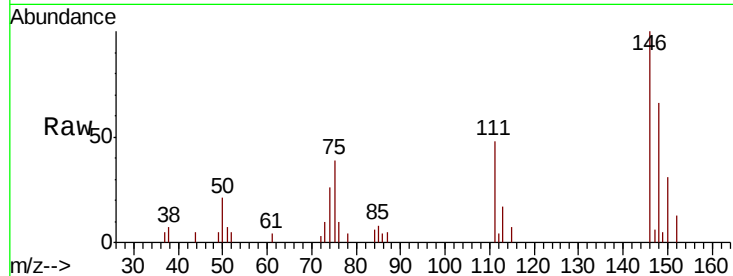




#67
 1,2-Dichlorobenzene
 Concen: 0.485 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

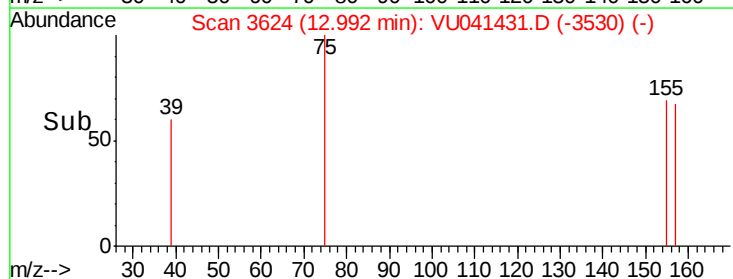
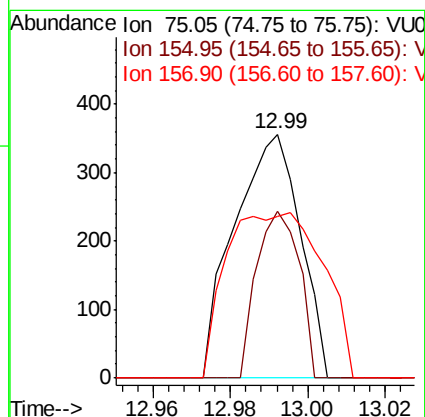
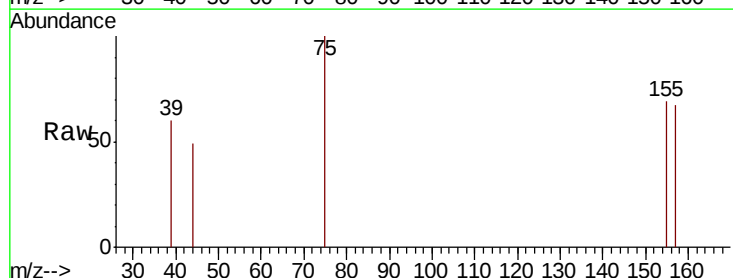
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

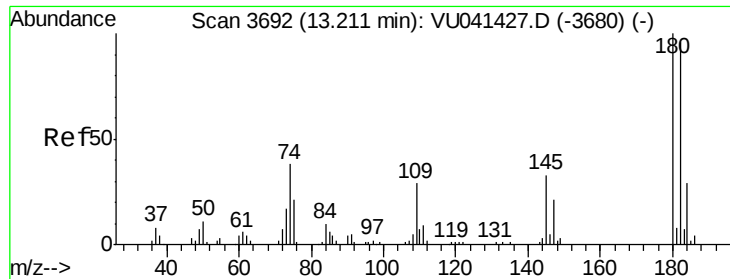
Tot Ion:146 Resp: 4847
 Ion Ratio Lower Upper
 146 100
 111 47.7 35.4 53.2
 148 65.7 49.4 74.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.431 ug/L
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

Tgt Ion: 75 Resp: 421
 Ion Ratio Lower Upper
 75 100
 155 68.5 53.8 80.6
 157 66.6 67.5 101.3#

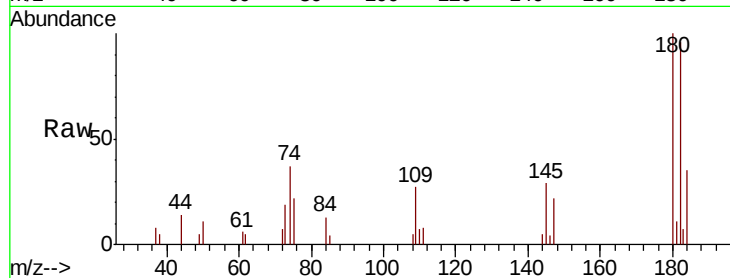




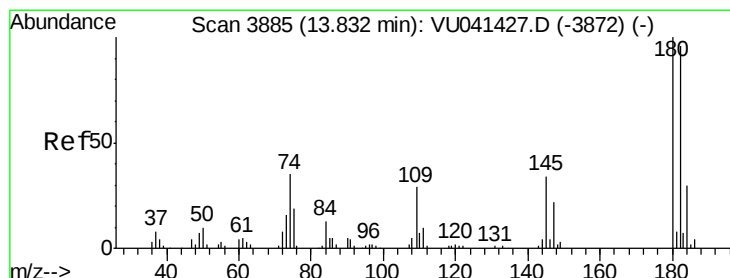
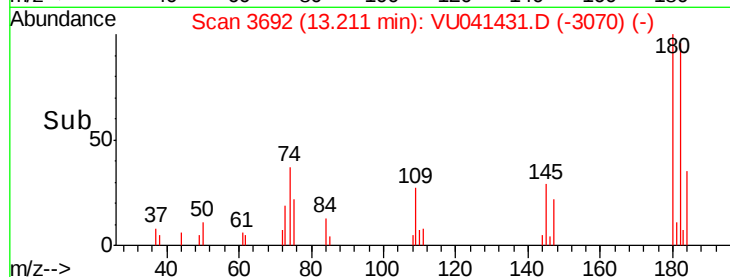
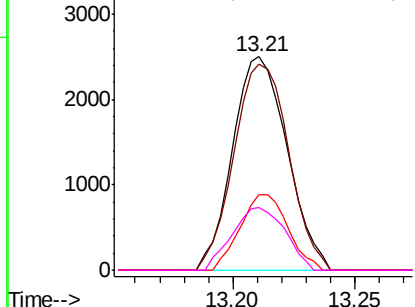
#69
 1,3,5-Trichlorobenzene
 Concen: 0.539 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

Tot Ion:180 Resp: 3875
 Ion Ratio Lower Upper
 180 100
 182 97.2 76.5 114.7
 184 30.9 24.2 36.2
 145 28.4 26.5 39.7

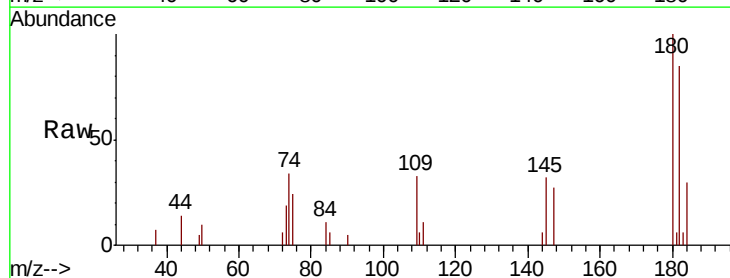


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

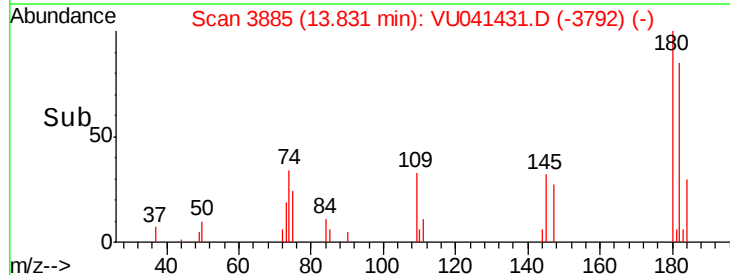
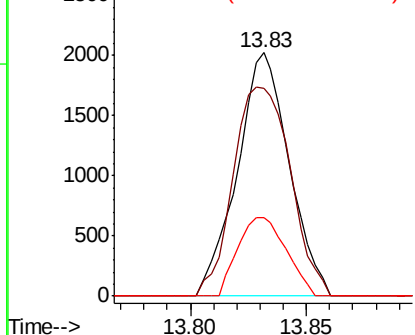


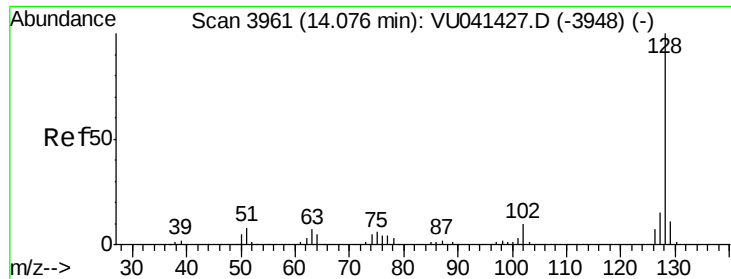
#70
 1,2,4-trichlorobenzene
 Concen: 0.519 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU041431.D
 Acq: 25 Nov 2020 14:47

Tgt Ion:180 Resp: 3146
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.0 114.0
 145 30.1 26.6 39.8



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





#71

Naphthalene

Concen: 0.463 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5103

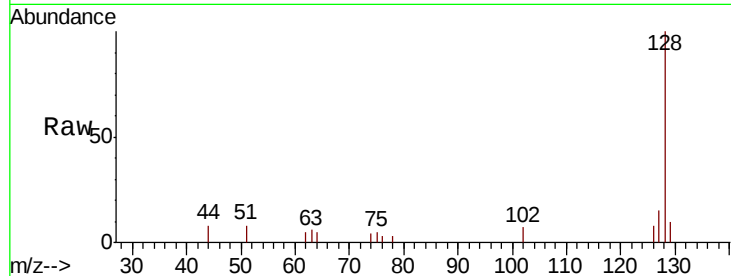
Tot Ion:128 Resp: 4940

Ion Ratio Lower Upper

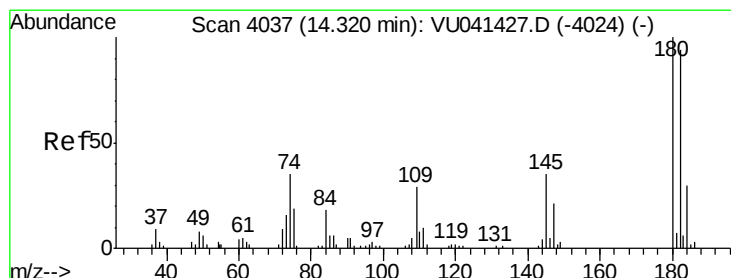
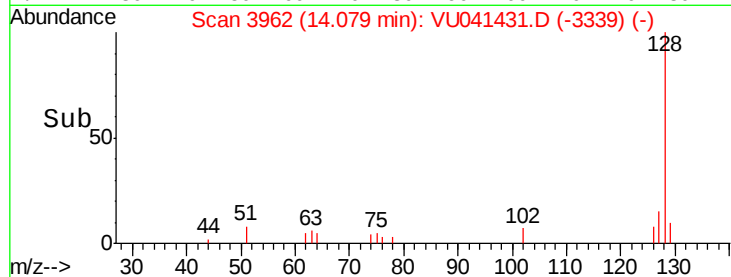
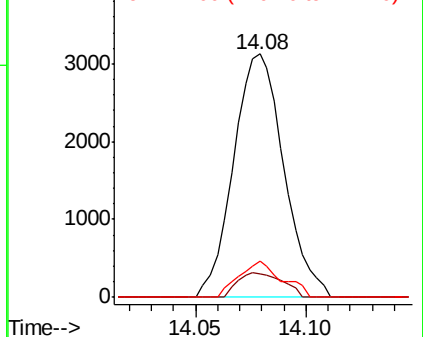
128 100

129 8.9 8.6 12.8

127 12.6 11.3 16.9



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



#72

1,2,3-Trichlorobenzene

Concen: 0.548 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU041431.D

Acq: 25 Nov 2020 14:47

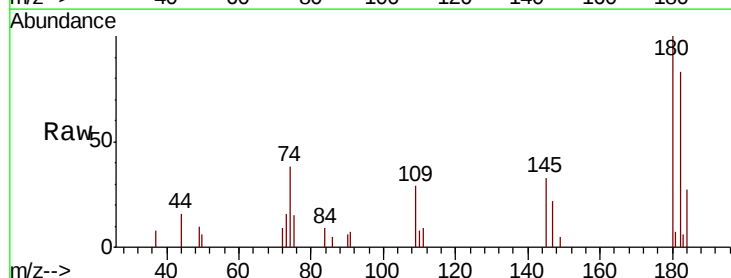
Tgt Ion:180 Resp: 3108

Ion Ratio Lower Upper

180 100

182 89.0 75.5 113.3

145 29.6 28.1 42.1



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

