

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122820\
 Data File : VU041821.D
 Acq On : 28 Dec 2020 11:02
 Operator : SY/MD
 Sample : VSTD00536
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005364

Quant Time: Dec 29 00:35:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 29 00:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	158296	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	155007	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	81991	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	63905	5.60	ug/L	0.00
7) Chloroethane-d5	1.92	69	60894	6.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	30364	5.51	ug/L	0.00
20) 2-Butanone-d5	4.66	46	177973	52.07	ug/L	0.00
24) Chloroform-d	5.08	84	111582	4.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	61040	4.05	ug/L	0.00
32) Benzene-d6	5.74	84	220465	5.63	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	67083	5.42	ug/L	0.00
41) Toluene-d8	7.90	98	209614	5.62	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	28920	4.70	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	159822	63.28	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	64287	5.62	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	77499	5.24	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	75311	4.510	ug/L 100
3) Chloromethane	1.52	50	67264	5.180	ug/L 100
5) Vinyl chloride	1.61	62	89264	6.326	ug/L 100
6) Bromomethane	1.86	94	56026	6.600	ug/L 100
8) Chloroethane	1.94	64	53989	5.727	ug/L 100
9) Trichlorofluoromethane	2.15	101	116780	4.765	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	67482	5.735	ug/L 100
12) 1,1-Dichloroethene	2.59	96	66294	6.479	ug/L 100
13) Acetone	2.67	43	131602	52.235	ug/L 100
14) Carbon disulfide	2.81	76	219860	7.067	ug/L 100
15) Methyl Acetate	2.98	43	32307	6.077	ug/L 100
16) Methylene chloride	3.06	84	73894	5.783	ug/L 100
17) Methyl tert-butyl Ether	3.38	73	164640	5.457	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	65970	6.218	ug/L 100
19) 1,1-Dichloroethane	3.89	63	118522	5.599	ug/L 100
21) 2-Butanone	4.74	43	176967	49.977	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	64228	5.643	ug/L 100
23) Bromochloromethane	4.99	128	32128	5.678	ug/L 100
25) Chloroform	5.11	83	109433	4.603	ug/L 100
27) 1,2-Dichloroethane	5.81	62	72535	4.172	ug/L 100
29) 1,1,1-Trichloroethane	5.33	97	95306	4.493	ug/L 100
30) Cyclohexane	5.40	56	87898	5.545	ug/L 100
31) Carbon tetrachloride	5.54	117	84222	4.405	ug/L 100
33) Benzene	5.79	78	245651	5.586	ug/L 100
34) Trichloroethene	6.55	95	63641	5.291	ug/L 100
35) Methylcyclohexane	6.77	83	98507	5.784	ug/L 100
37) 1,2-Dichloropropane	6.80	63	61229	5.460	ug/L 100
38) Bromodichloromethane	7.11	83	79290	4.663	ug/L 100
39) cis-1,3-Dichloropropene	7.61	75	91000	5.263	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	401763	50.344	ug/L 100

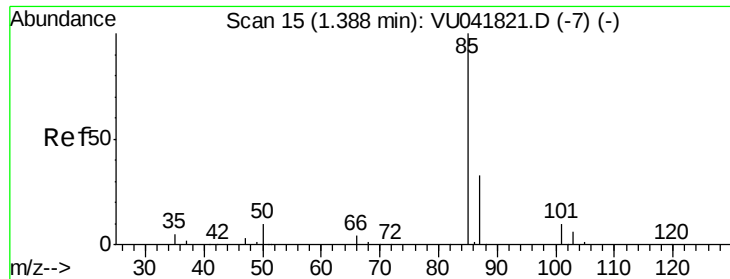
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122820\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	264510	5.594	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	83837	5.006	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	50651	5.697	ug/L	100
47) Tetrachloroethene	8.56	164	51044	5.656	ug/L	100
48) 2-Hexanone	8.69	43	299084	49.862	ug/L	100
49) Dibromochloromethane	8.81	129	59482	5.051	ug/L	100
50) 1,2-Dibromoethane	8.92	107	49312	5.684	ug/L	100
51) Chlorobenzene	9.45	112	169809	5.526	ug/L	100
52) Ethylbenzene	9.57	91	273170	5.210	ug/L	100
53) m,p-Xylene	9.69	106	109351	5.711	ug/L	100
54) o-Xylene	10.10	106	103326	5.562	ug/L	100
55) Styrene	10.11	104	183841	5.653	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	63074	5.449	ug/L	100
59) Bromoform	10.29	173	36498	5.467	ug/L	100
60) Isopropylbenzene	10.48	105	276020	5.471	ug/L	100
61) 1,2,3-Trichloropropane	10.82	75	46808	5.285	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	226646	5.275	ug/L	100
63) 1,2,4-Trimethylbenzene	11.46	105	231916	5.325	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	134040	5.358	ug/L	100
65) 1,4-Dichlorobenzene	11.83	146	132328	5.230	ug/L	100
67) 1,2-Dichlorobenzene	12.20	146	131158	5.321	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.99	75	10949	4.685	ug/L	100
69) 1,3,5-Trichlorobenzene	13.21	180	97489	5.138	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	73174	4.717	ug/L	100
71) Naphthalene	14.07	128	126636	4.906	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	71635	5.110	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.510 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

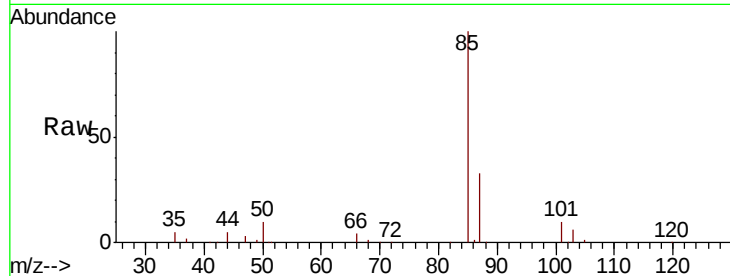
VSTD005364

Tot Ion: 85 Resp: 75311

Ion Ratio Lower Upper

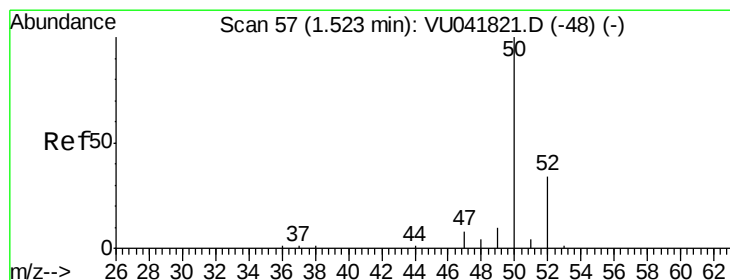
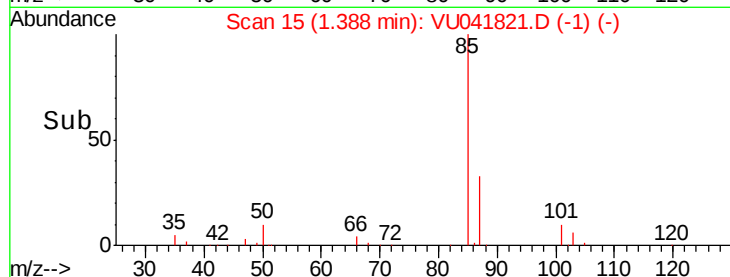
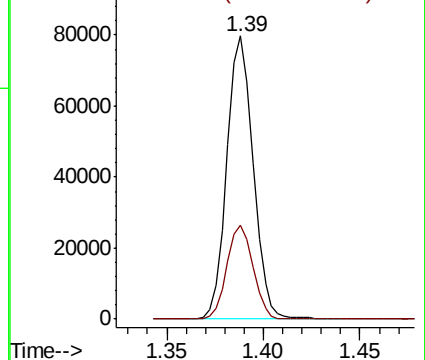
85 100

87 32.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.180 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041821.D

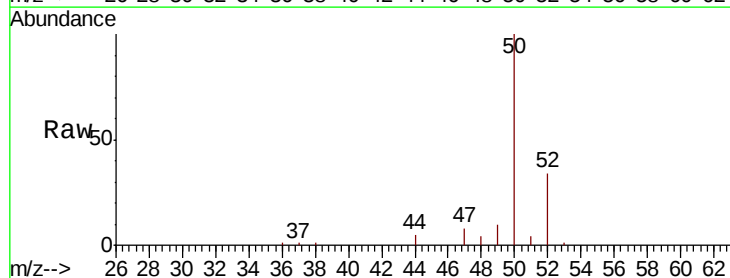
Acq: 28 Dec 2020 11:02

Tgt Ion: 50 Resp: 67264

Ion Ratio Lower Upper

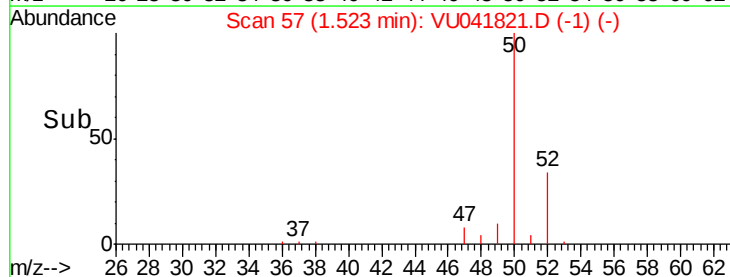
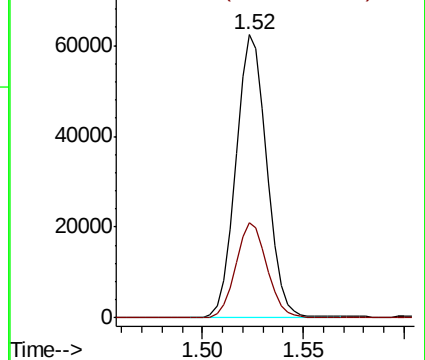
50 100

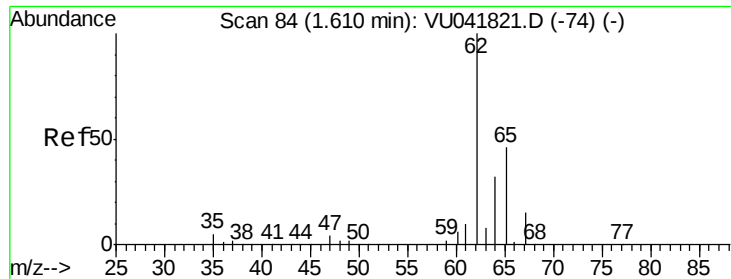
52 33.7 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 6.326 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

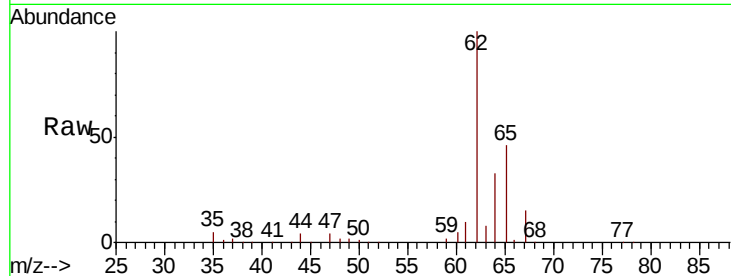
VSTD005364

Tot Ion: 62 Resp: 89264

Ion Ratio Lower Upper

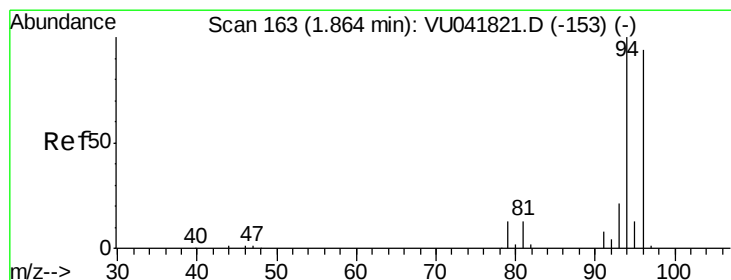
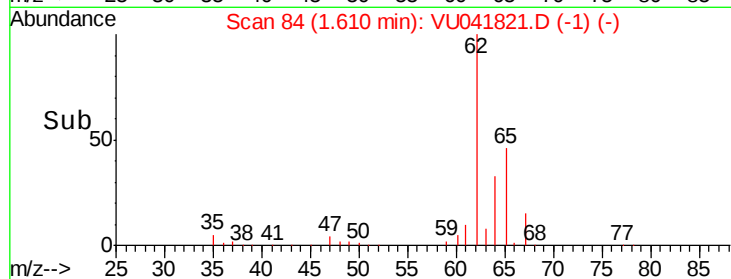
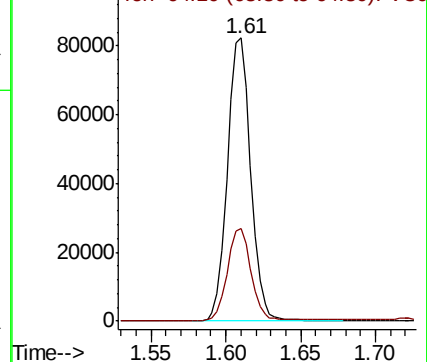
62 100

64 32.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 6.600 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041821.D

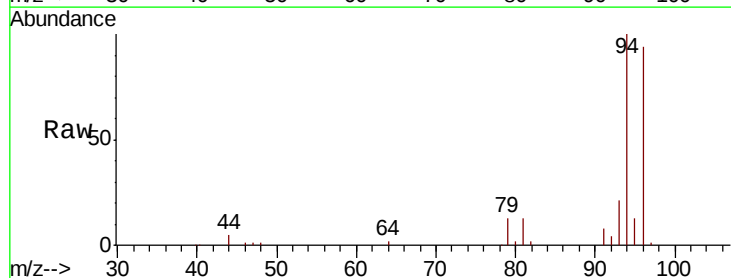
Acq: 28 Dec 2020 11:02

Tgt Ion: 94 Resp: 56026

Ion Ratio Lower Upper

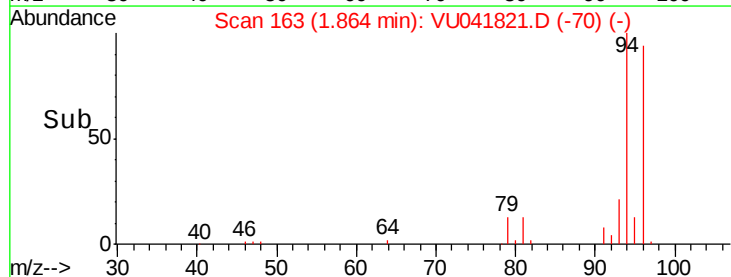
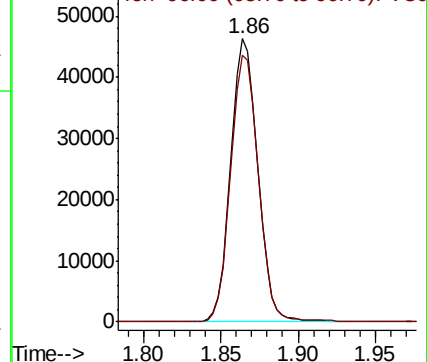
94 100

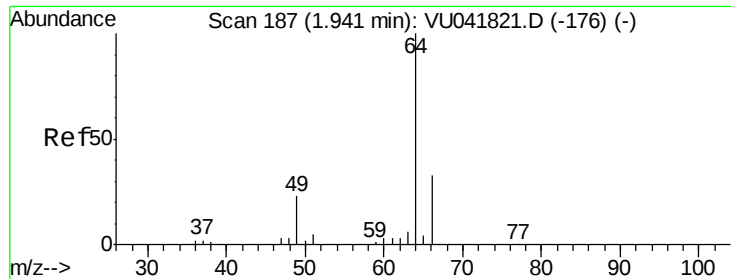
96 94.4 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

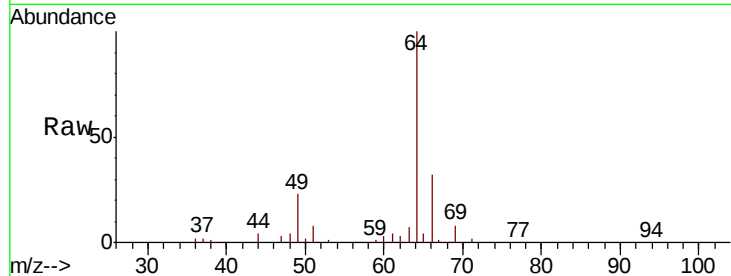




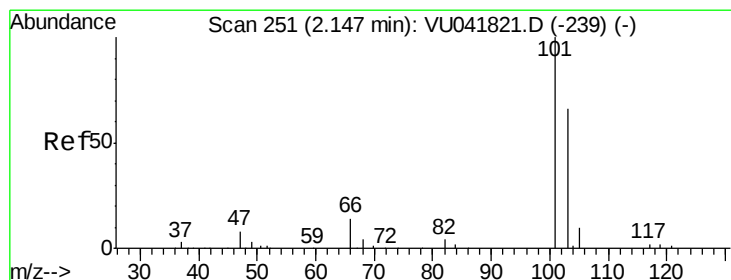
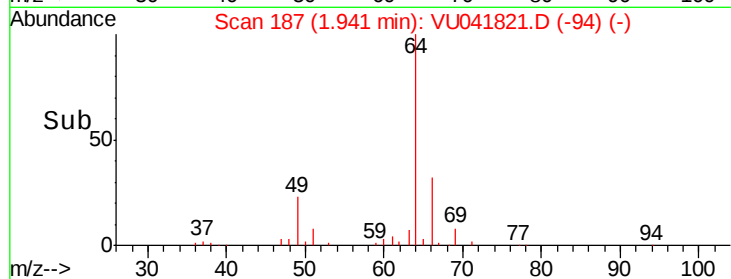
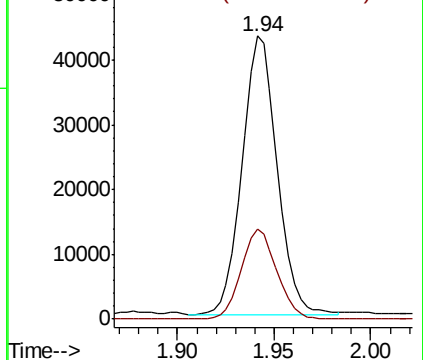
#8
Chloroethane
Concen: 5.727 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041821.D
Acq: 28 Dec 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD005364

Tot Ion: 64 Resp: 53989
Ion Ratio Lower Upper
64 100
66 32.0 22.4 41.6

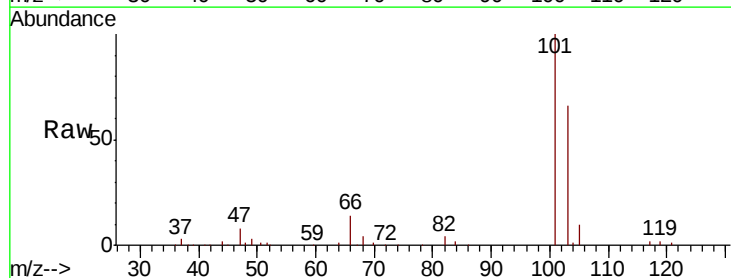


Abundance Ion 64.10 (63.80 to 64.80): VU041821.D (-176) (-)
Ion 66.05 (65.75 to 66.75): VU041821.D (-176) (-)

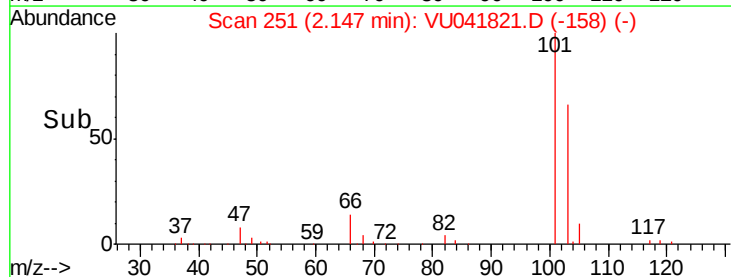
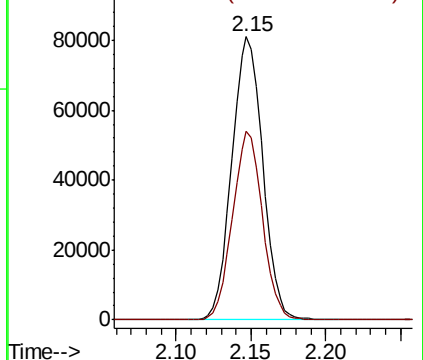


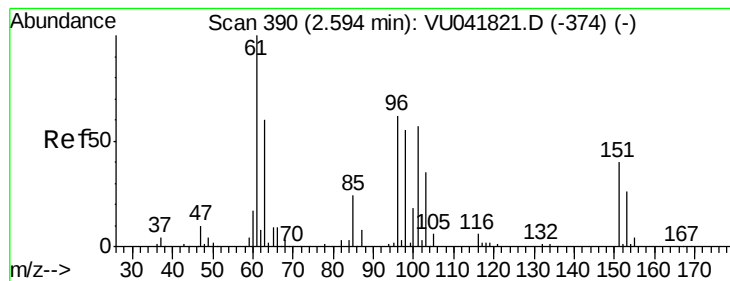
#9
Trichlorofluoromethane
Concen: 4.765 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041821.D
Acq: 28 Dec 2020 11:02

Tgt Ion:101 Resp: 116780
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VU041821.D (-239) (-)
Ion 103.00 (102.70 to 103.70): VU041821.D (-239) (-)





#10

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

Concen: 5.735 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005364

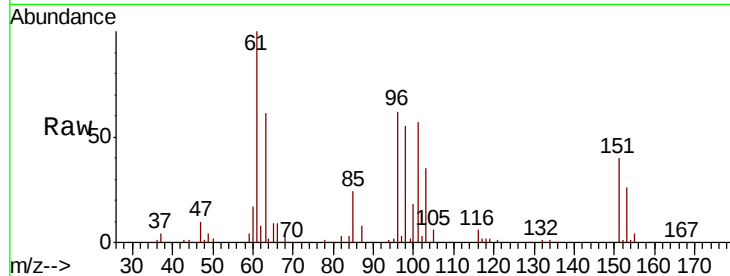
Tot Ion:101 Resp: 67482

Ion Ratio Lower Upper

101 100

85 43.1 34.5 51.7

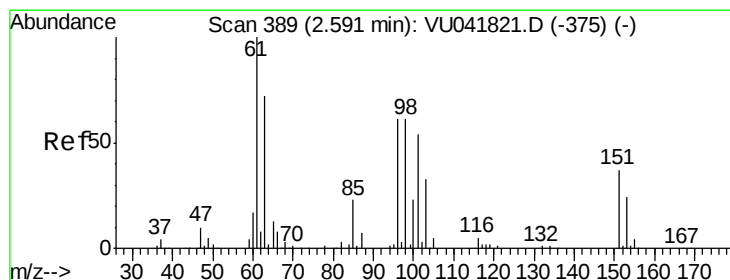
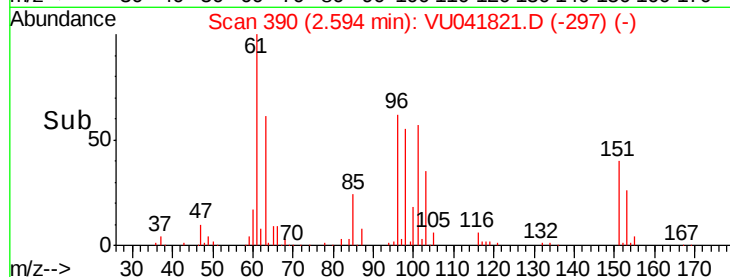
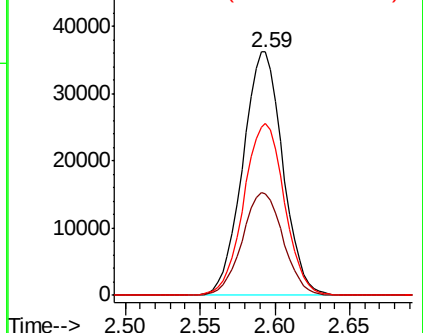
151 71.8 57.4 86.2



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: 6.479 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

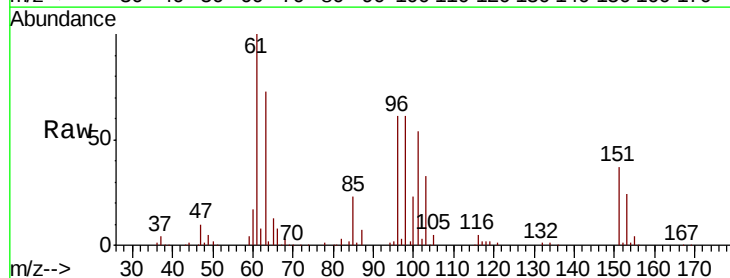
Tgt Ion: 96 Resp: 66294

Ion Ratio Lower Upper

96 100

61 164.4 115.1 213.7

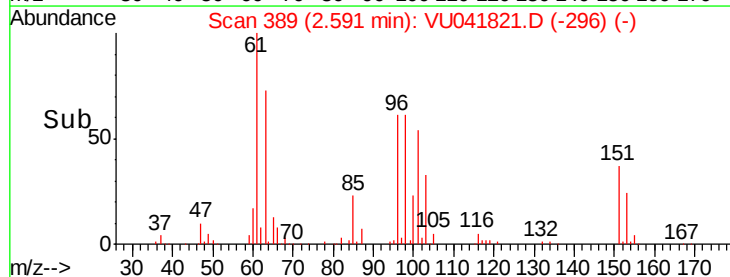
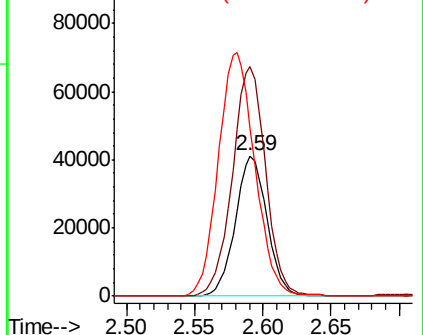
63 120.1 84.1 156.1

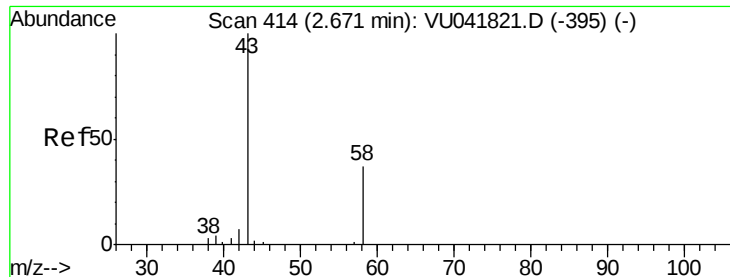


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.235 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

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ClientSampleId :

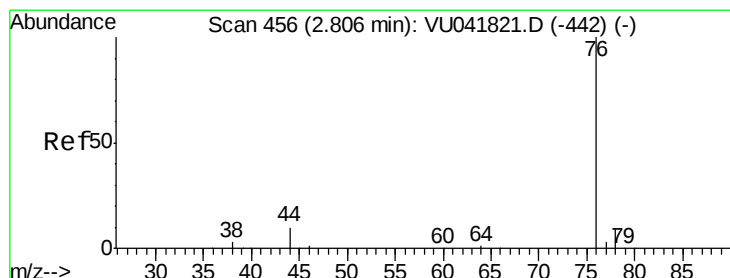
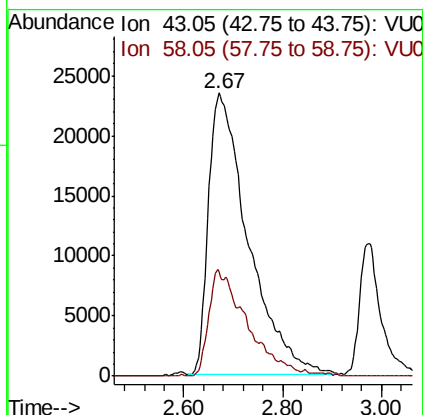
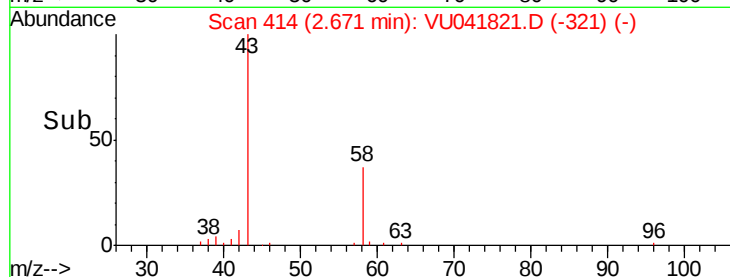
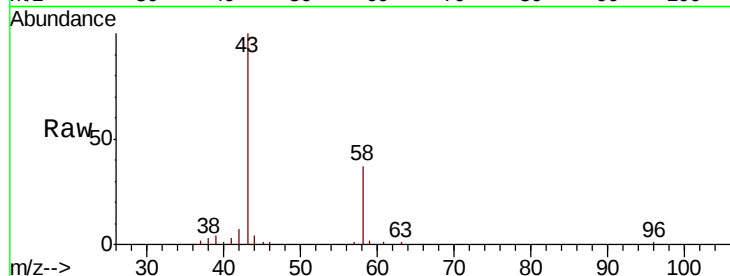
VSTD005364

Tot Ion: 43 Resp: 131602

Ion Ratio Lower Upper

43 100

58 12.5 0.0 25.0



#14

Carbon disulfide

Concen: 7.067 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041821.D

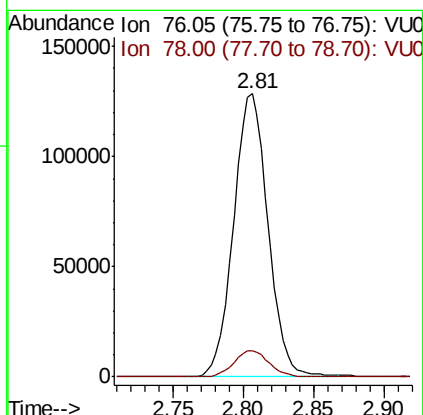
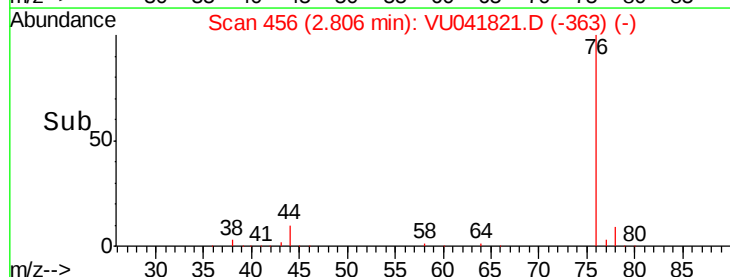
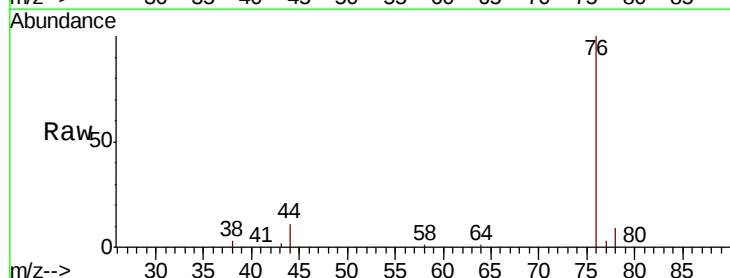
Acq: 28 Dec 2020 11:02

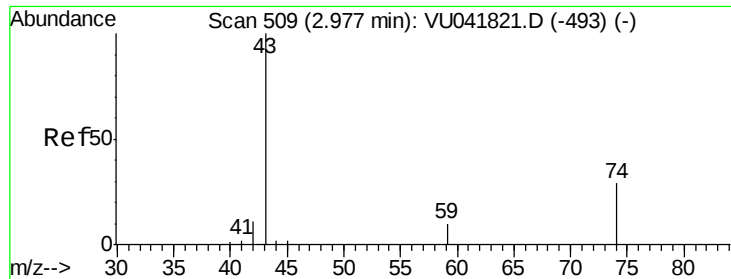
Tgt Ion: 76 Resp: 219860

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

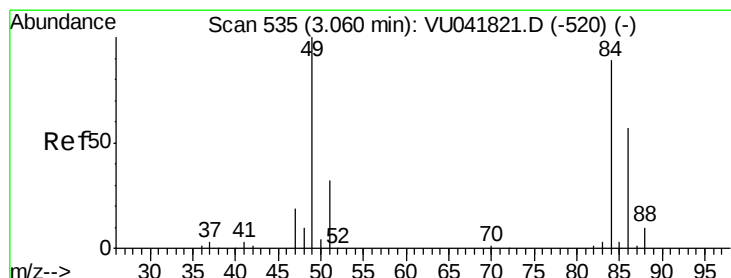
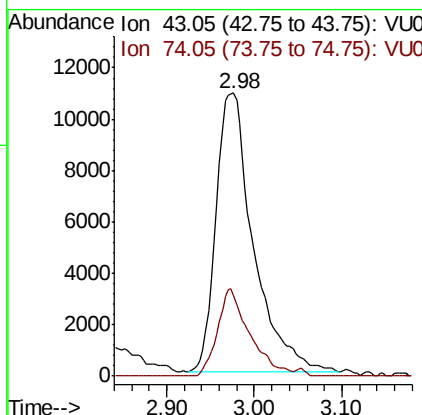
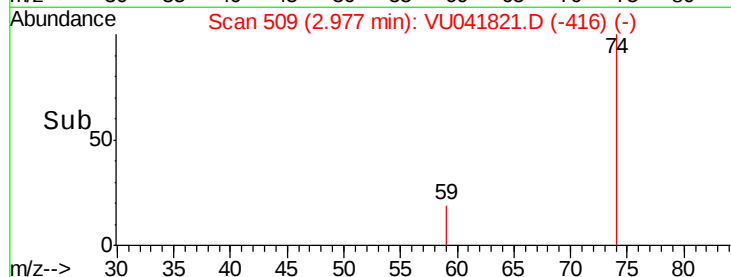
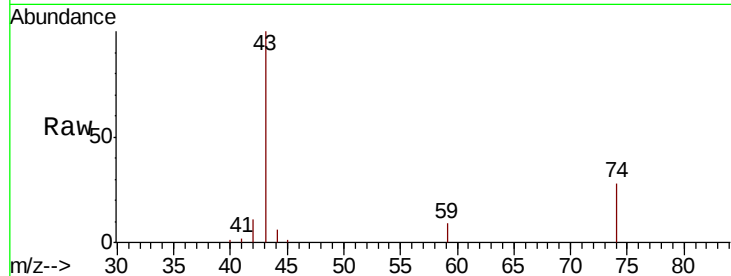




#15
Methyl Acetate
Concen: 6.077 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU041821.D
Acq: 28 Dec 2020 11:02

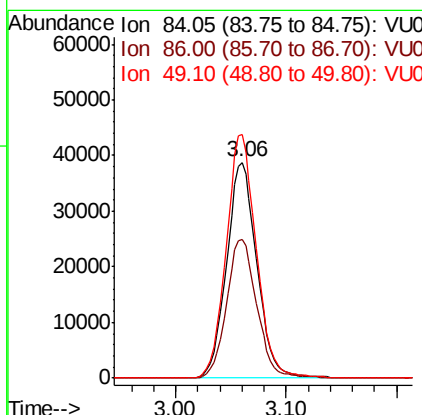
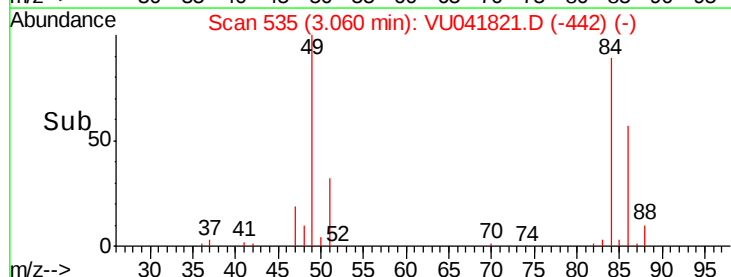
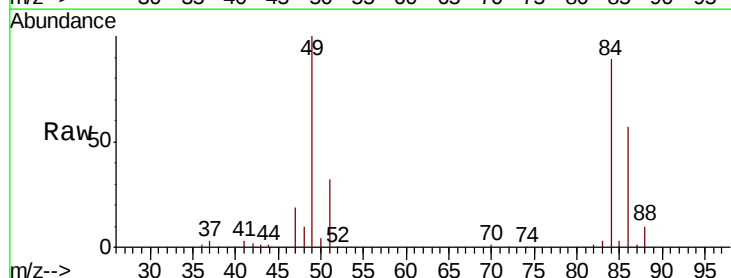
Instrument :
MSVOA_U
ClientSampleId :
VSTD005364

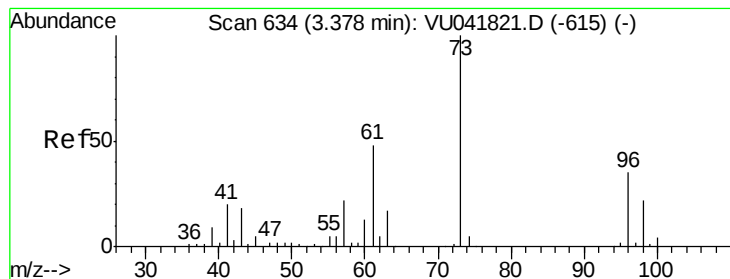
Tot Ion: 43 Resp: 32307
Ion Ratio Lower Upper
43 100
74 26.9 21.5 32.3



#16
Methylene chloride
Concen: 5.783 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041821.D
Acq: 28 Dec 2020 11:02

Tgt Ion: 84 Resp: 73894
Ion Ratio Lower Upper
84 100
86 64.2 44.9 83.5
49 112.9 79.0 146.8





#17

Methvl tert-butvl Ether

Concen: 5.457 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005364

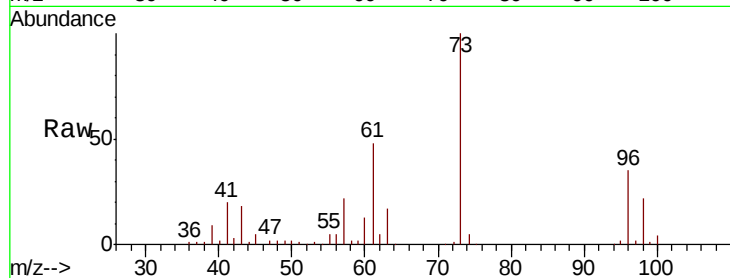
Tot Ion: 73 Resp: 164640

Ion Ratio Lower Upper

73 100

43 18.7 15.0 22.4

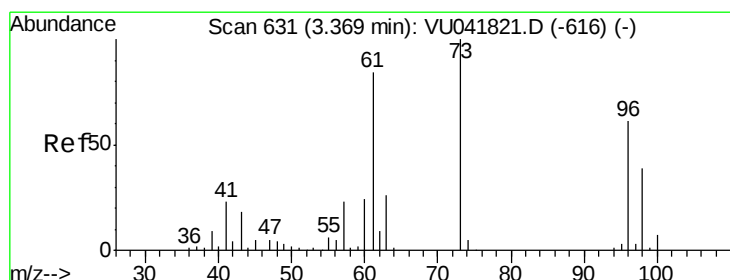
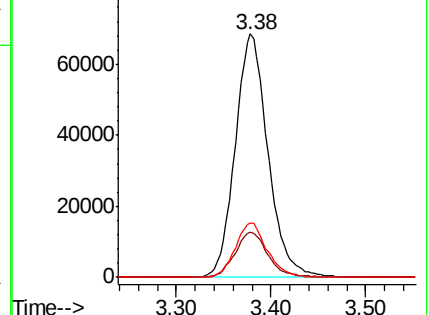
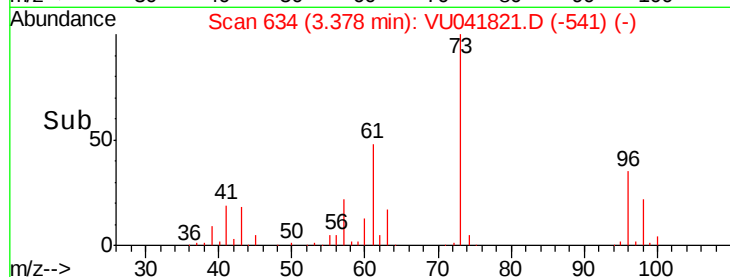
57 21.6 17.3 25.9



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: 6.218 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

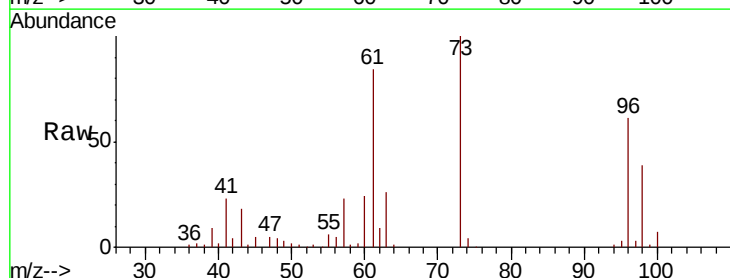
Tgt Ion: 96 Resp: 65970

Ion Ratio Lower Upper

96 100

61 138.0 96.6 179.4

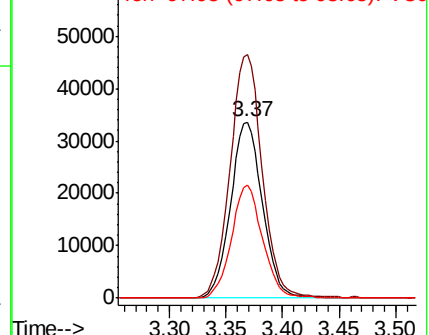
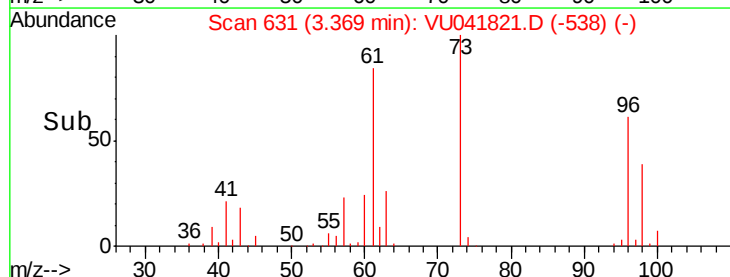
98 63.8 44.7 82.9

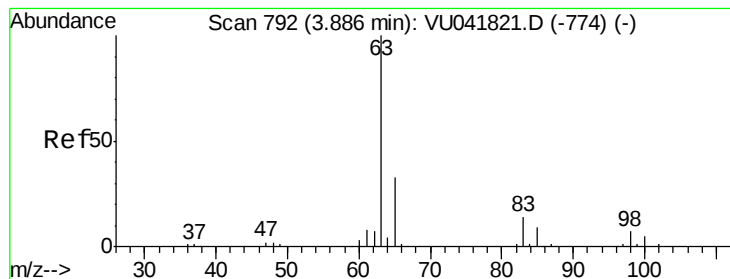


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 5.599 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005364

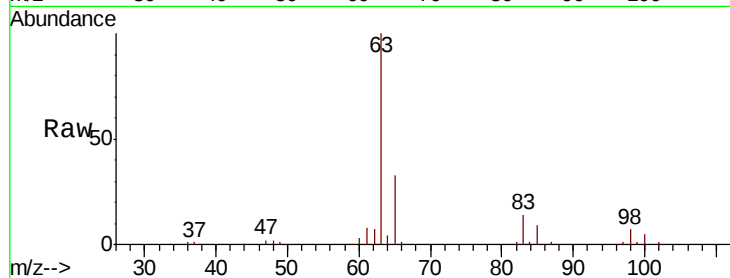
Tot Ion: 63 Resp: 118522

Ion Ratio Lower Upper

63 100

65 33.1 23.2 43.0

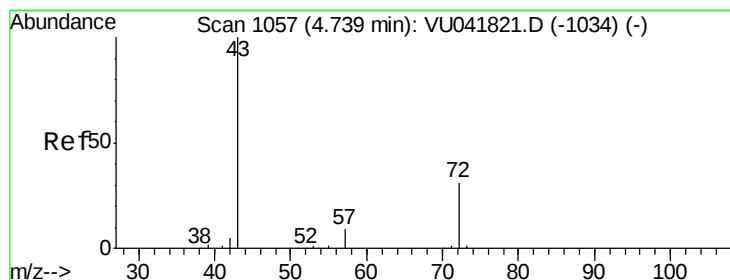
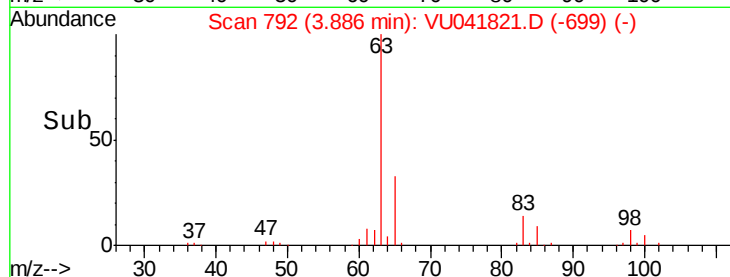
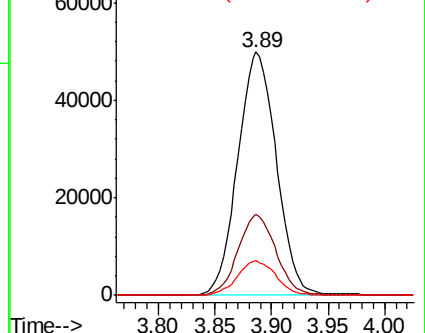
83 14.1 9.9 18.3



Abundance Ion 63.10 (62.80 to 63.80): VU041821.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU041821.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU041821.D (-774) (-)



#21

2-Butanone

Concen: 49.977 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU041821.D

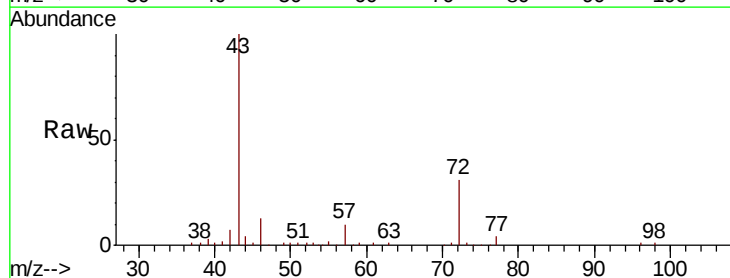
Acq: 28 Dec 2020 11:02

Tgt Ion: 43 Resp: 176967

Ion Ratio Lower Upper

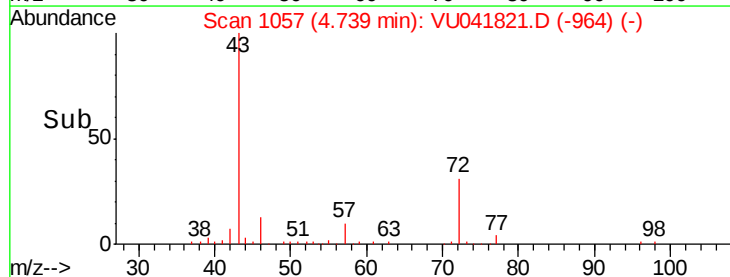
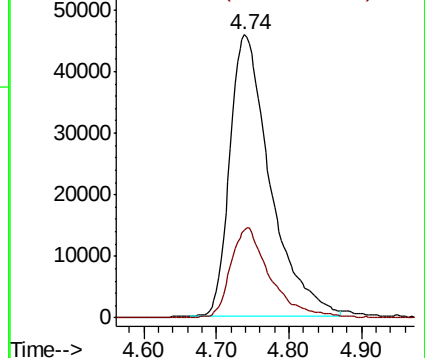
43 100

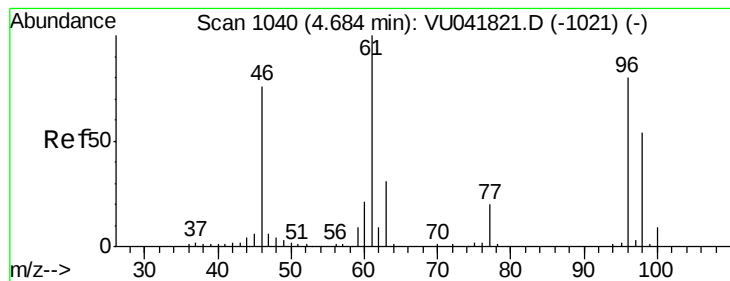
72 31.5 15.8 47.3



Abundance Ion 43.05 (42.75 to 43.75): VU041821.D (-1034) (-)

Ion 72.10 (71.80 to 72.80): VU041821.D (-1034) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.643 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005364

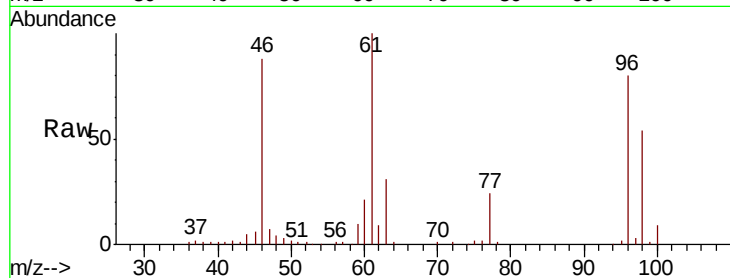
Tot Ion: 96 Resp: 64228

Ion Ratio Lower Upper

96 100

61 124.9 87.4 162.4

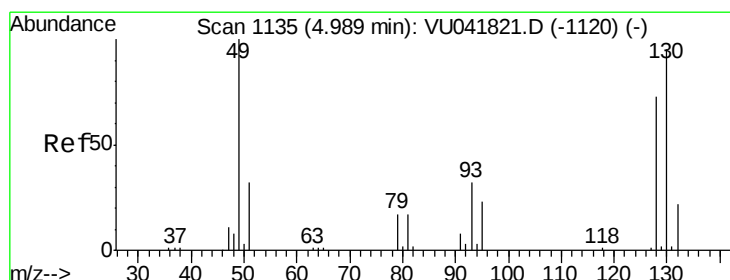
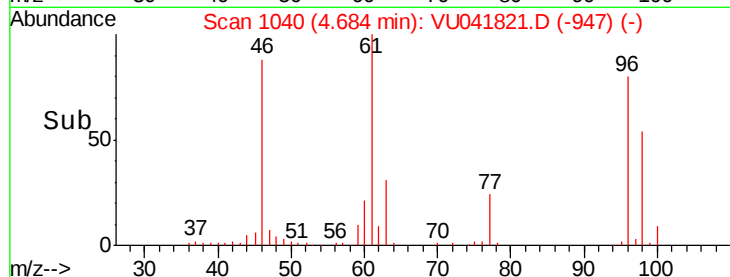
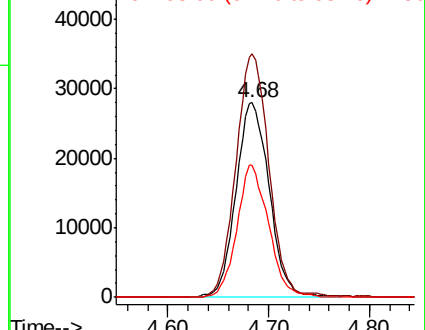
98 68.1 47.7 88.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 5.678 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

Tgt Ion: 128 Resp: 32128

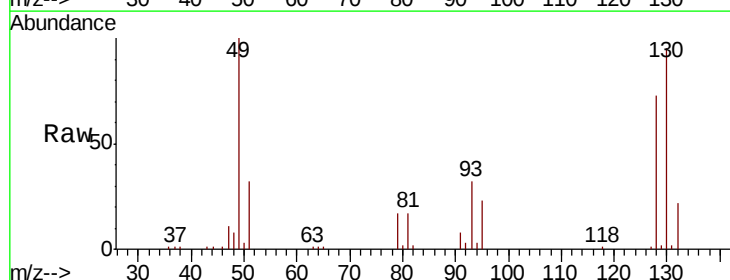
Ion Ratio Lower Upper

128 100

49 137.7 96.4 179.0

130 130.3 91.2 169.4

51 43.8 35.0 52.6

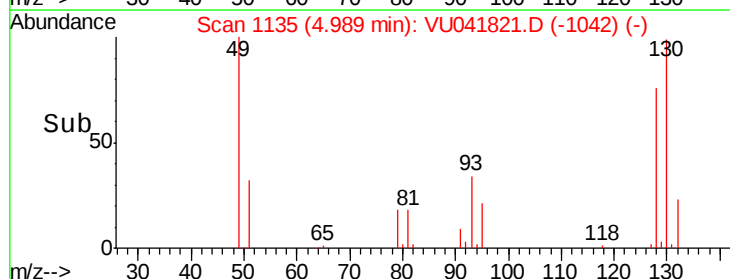
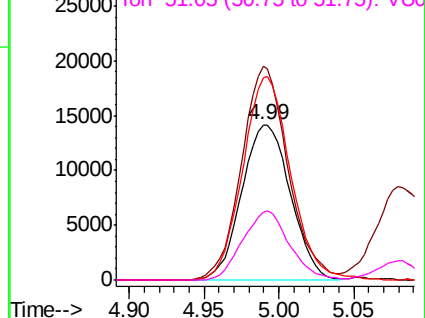


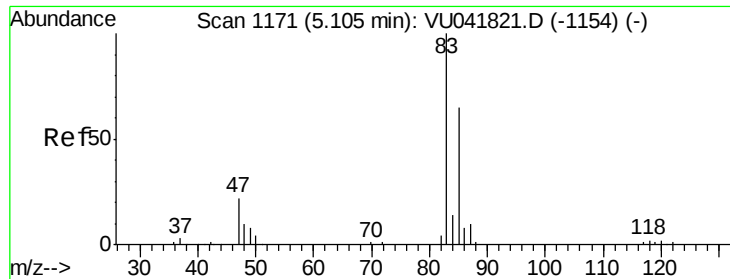
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

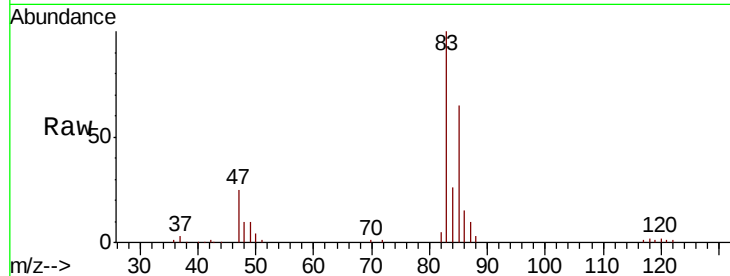




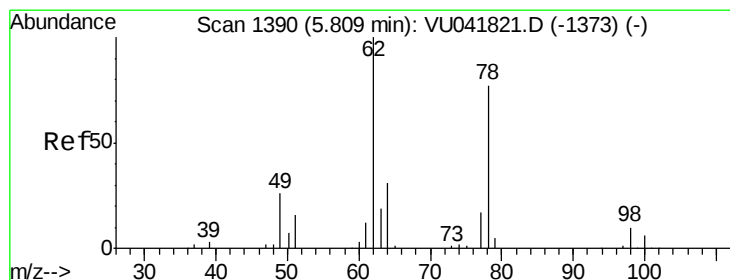
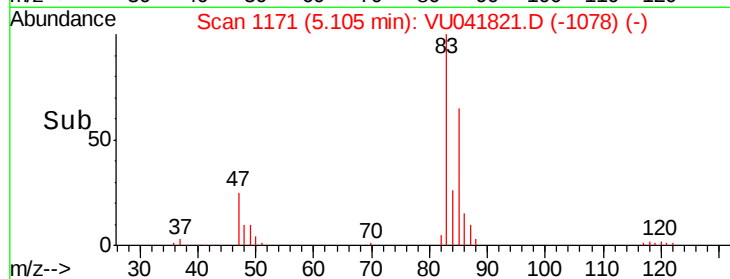
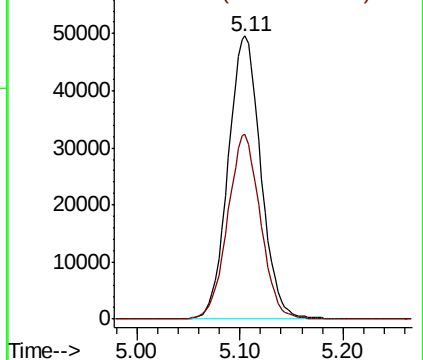
#25
Chloroform
Concen: 4.603 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041821.D
Acq: 28 Dec 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD005364

Tot Ion: 83 Resp: 109433
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.8

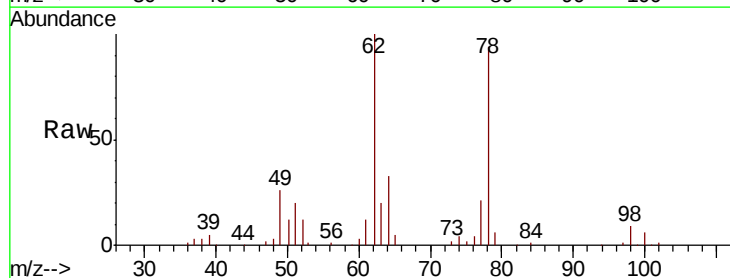


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

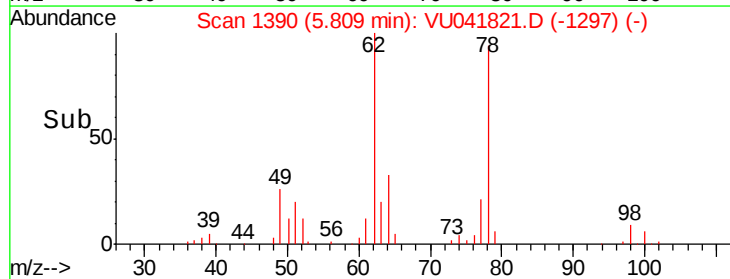
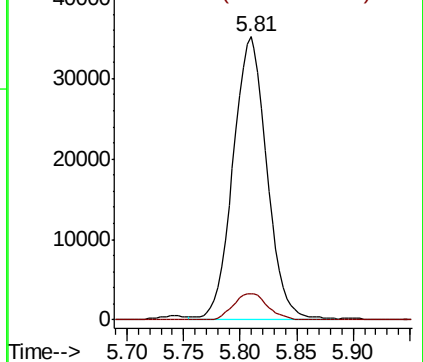


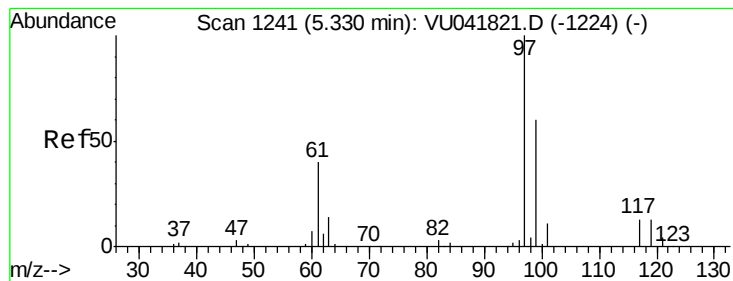
#27
1,2-Dichloroethane
Concen: 4.172 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041821.D
Acq: 28 Dec 2020 11:02

Tgt Ion: 62 Resp: 72535
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0





#29

1,1,1-Trichloroethane

Concen: 4.493 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005364

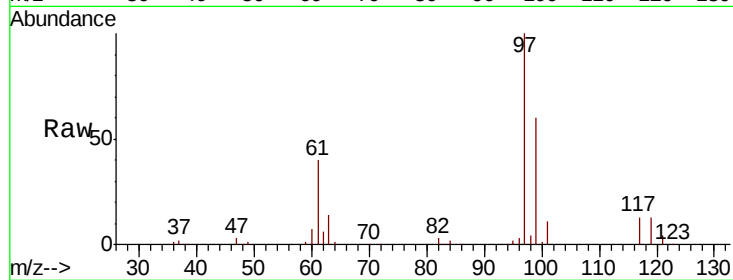
Tot Ion: 97 Resp: 95306

Ion Ratio Lower Upper

97 100

99 62.9 50.3 75.5

61 40.9 32.7 49.1

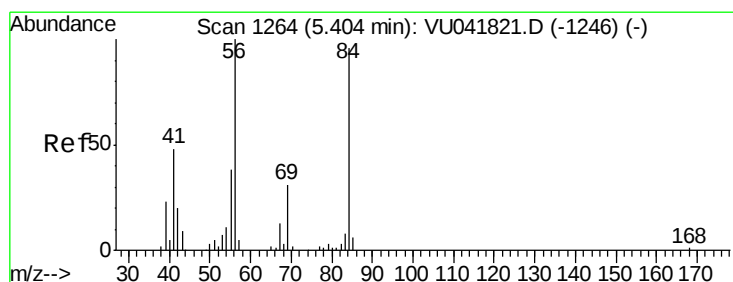
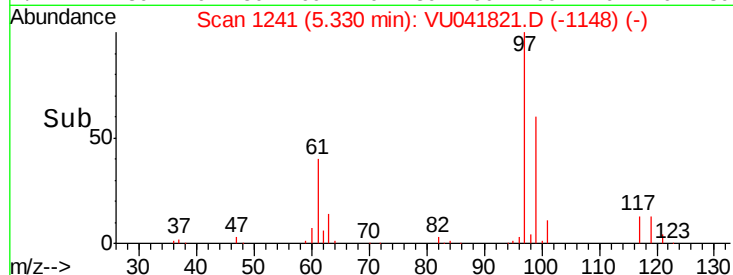
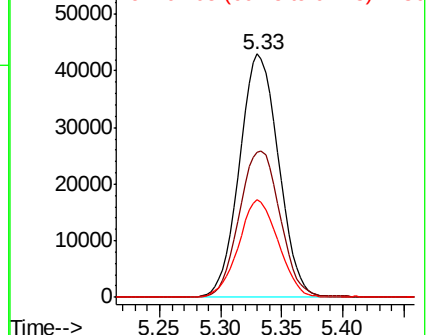


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 5.545 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

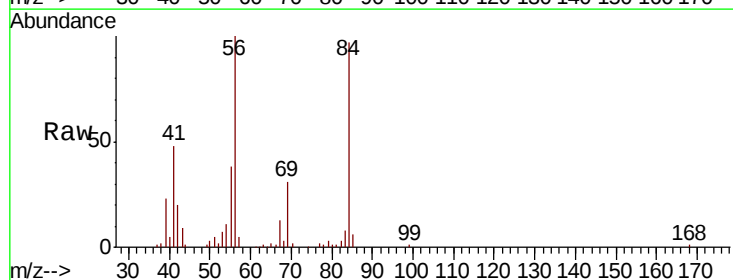
Tgt Ion: 56 Resp: 87898

Ion Ratio Lower Upper

56 100

69 31.5 25.2 37.8

84 95.3 76.2 114.4

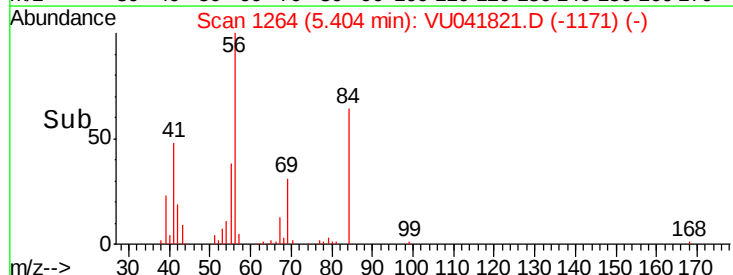
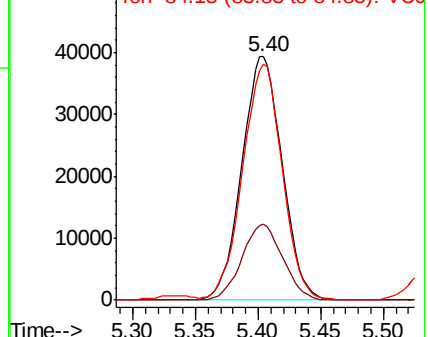


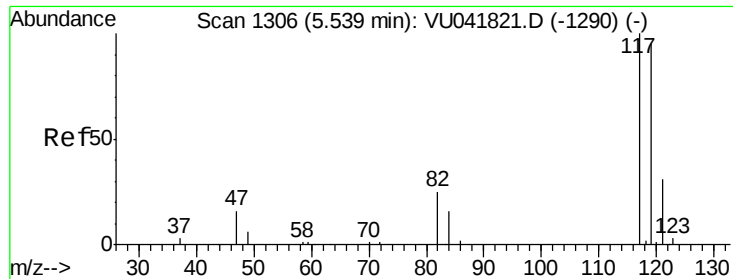
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.405 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

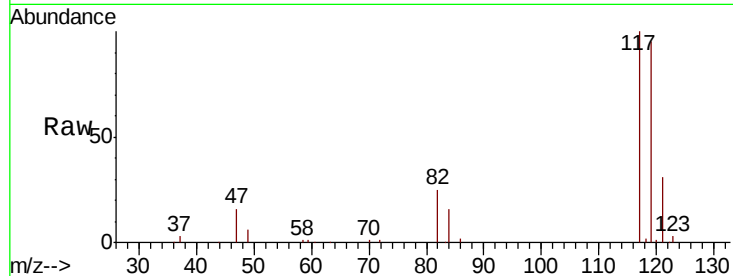
VSTD005364

Tot Ion:117 Resp: 84222

Ion Ratio Lower Upper

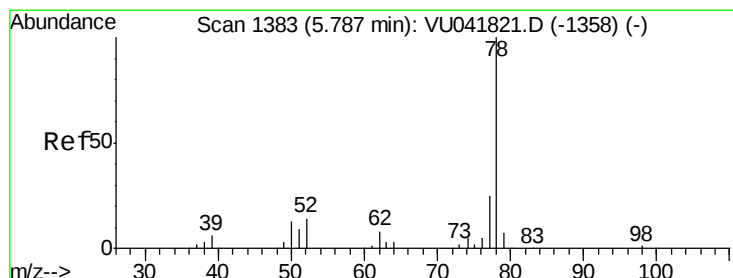
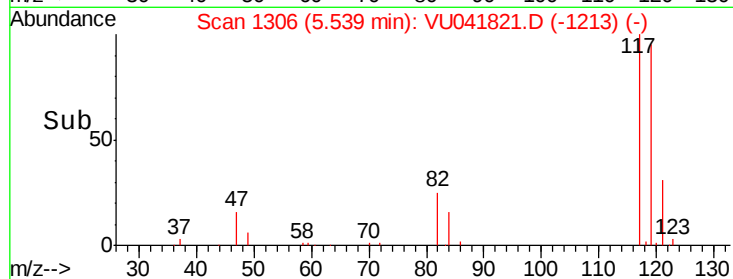
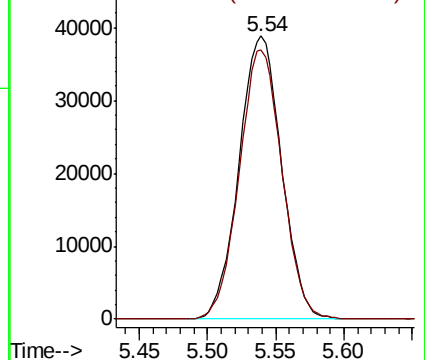
117 100

119 95.3 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.586 ug/L

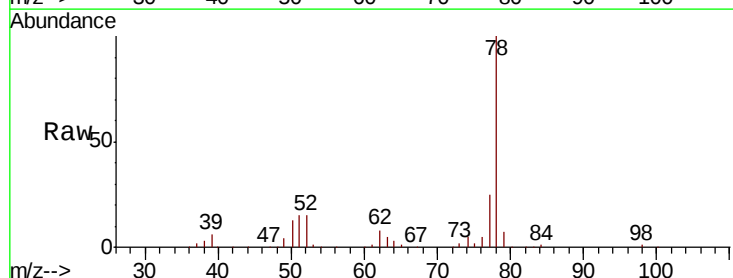
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

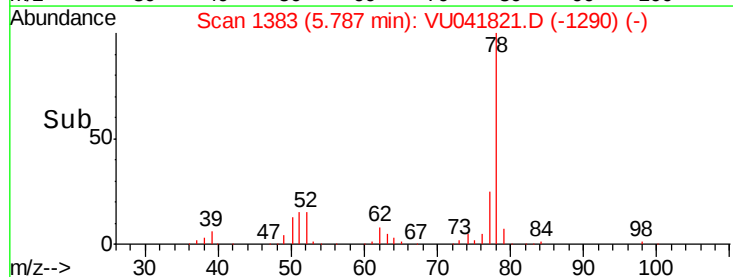
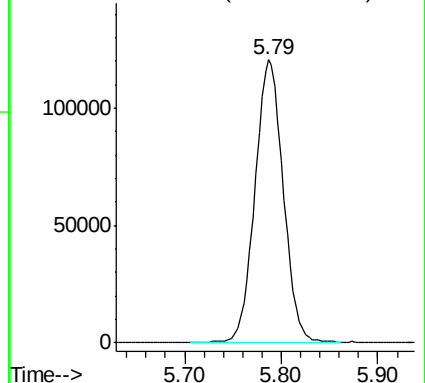
Lab File: VU041821.D

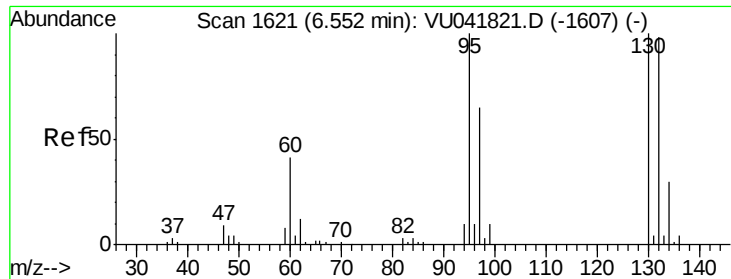
Acq: 28 Dec 2020 11:02

Tgt Ion: 78 Resp: 245651



Abundance Ion 78.10 (77.80 to 78.80): VU0

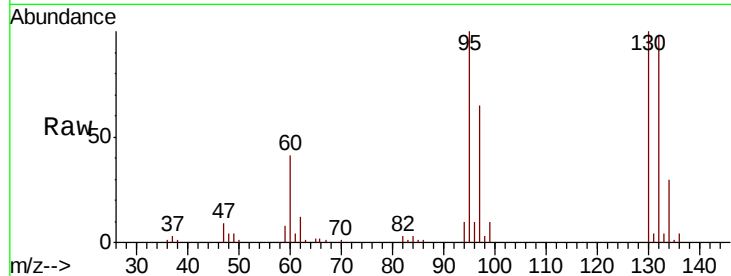




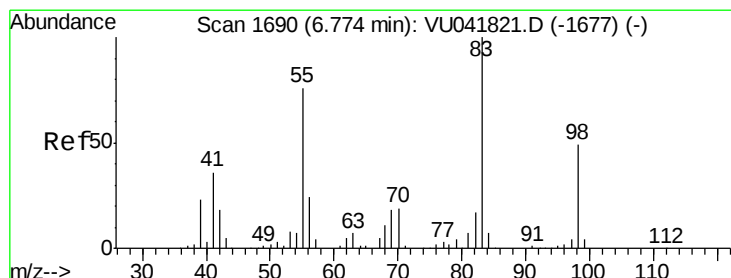
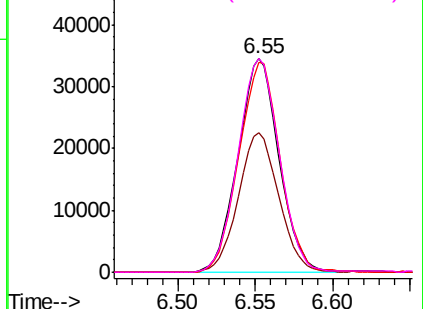
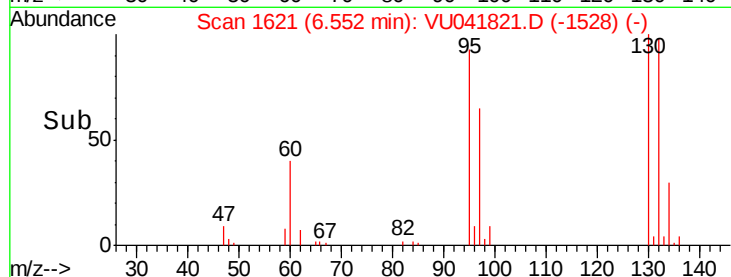
#34
 Trichloroethene
 Concen: 5.291 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005364

Tot Ion: 95 Resp: 63641
 Ion Ratio Lower Upper
 95 100
 97 65.5 45.8 85.2
 132 98.2 68.7 127.7
 130 100.2 70.1 130.3

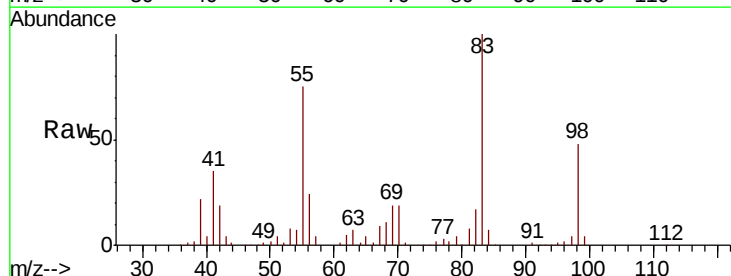


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

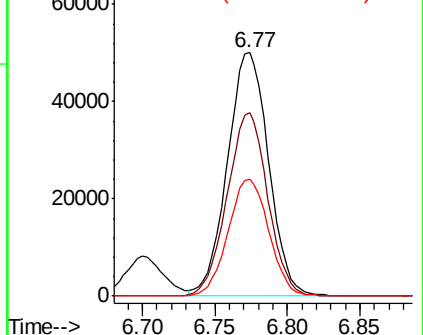
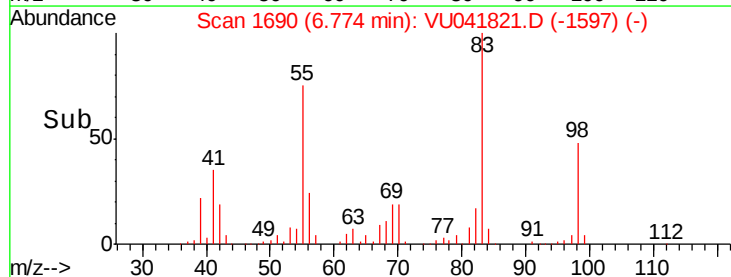


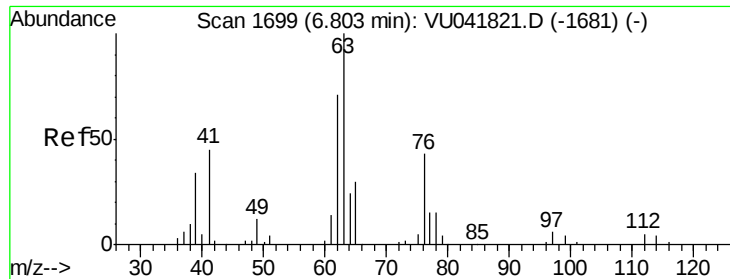
#35
 Methylcyclohexane
 Concen: 5.784 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

Tgt Ion: 83 Resp: 98507
 Ion Ratio Lower Upper
 83 100
 55 74.4 59.5 89.3
 98 47.4 37.9 56.9



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

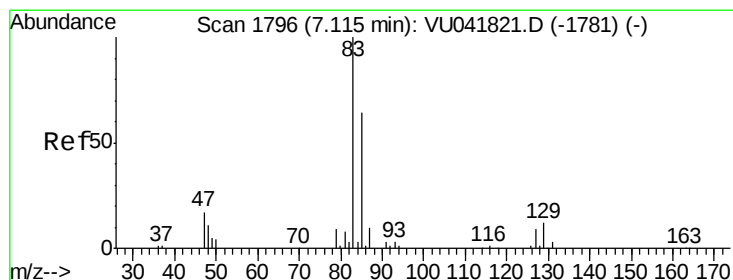
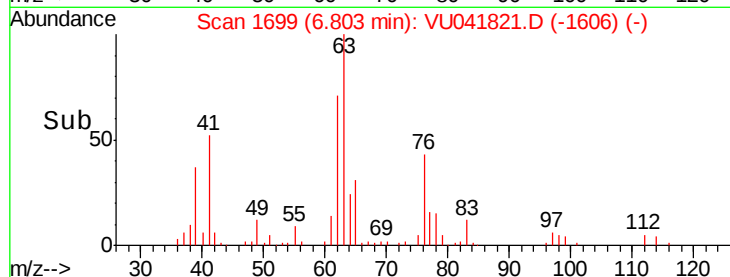
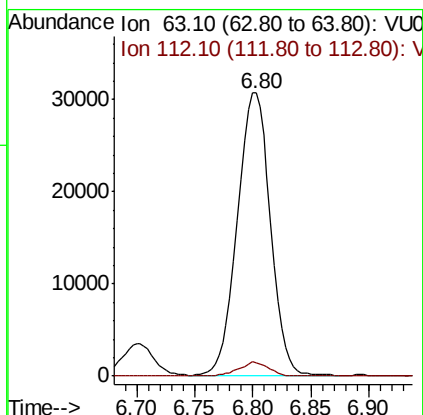
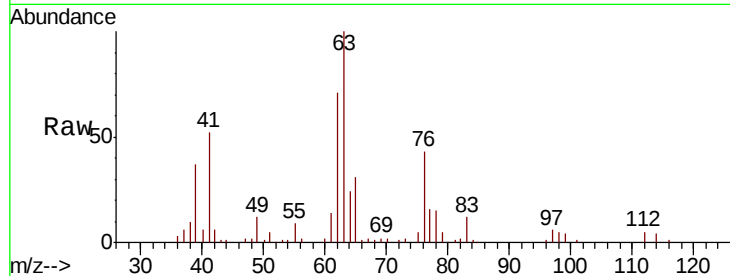




#37
 1,2-Dichloropropane
 Concen: 5.460 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

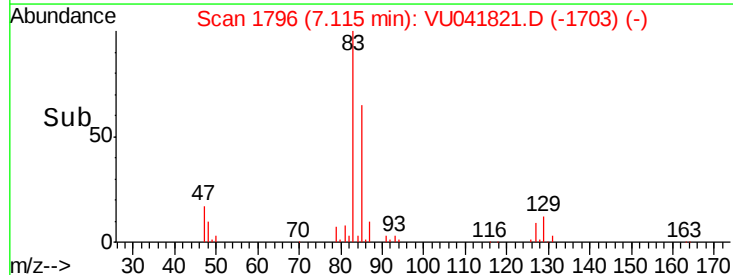
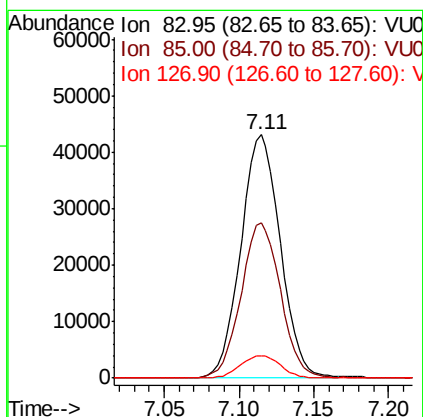
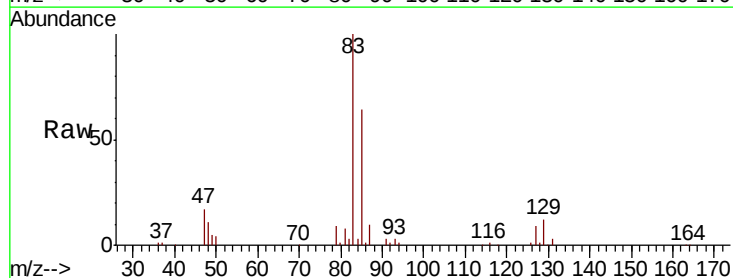
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005364

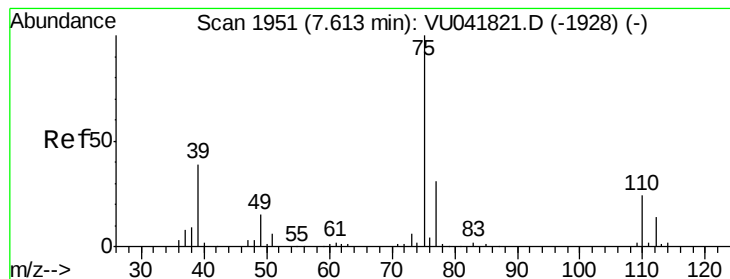
Tot Ion: 63 Resp: 61229
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.663 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

Tgt Ion: 83 Resp: 79290
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.6 82.8
 127 9.3 7.4 11.2



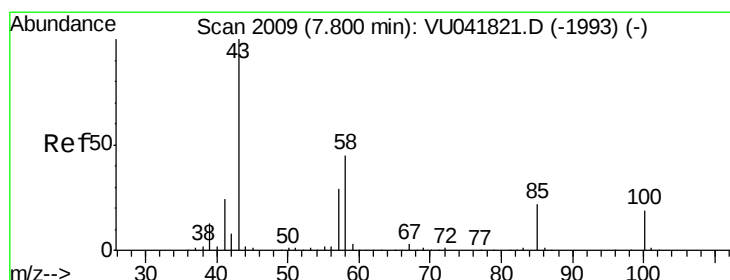
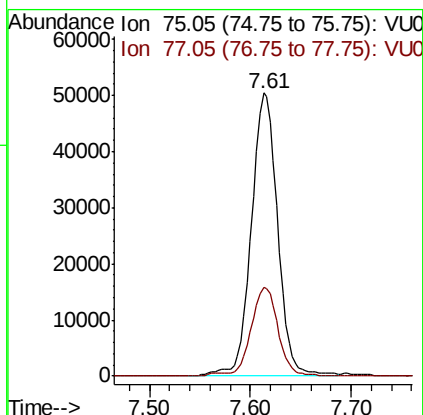
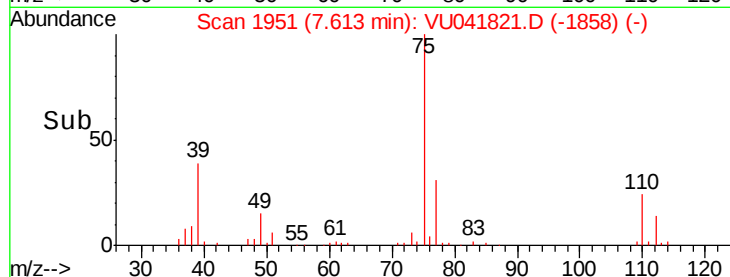
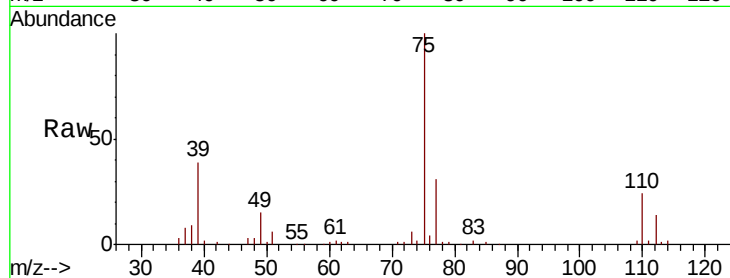


#39

cis-1,3-Dichloropropene
 Concen: 5.263 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005364

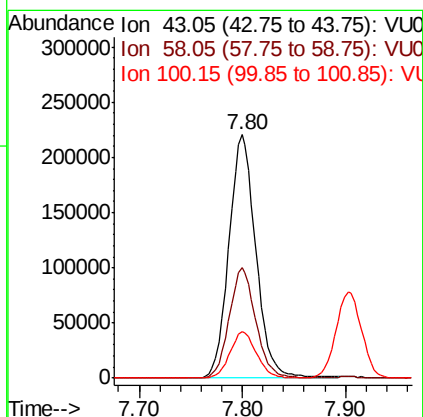
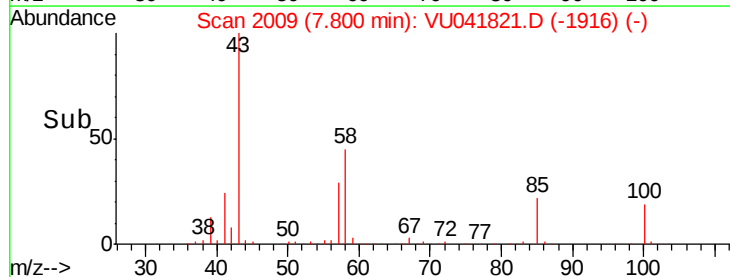
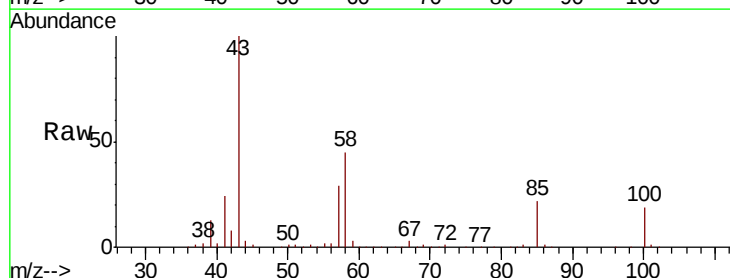
Tot Ion: 75 Resp: 91000
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.8 40.6

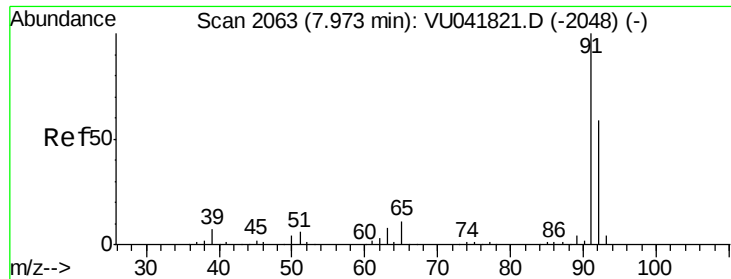


#40

4-Methyl-2-pentanone
 Concen: 50.344 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

Tgt Ion: 43 Resp: 401763
 Ion Ratio Lower Upper
 43 100
 58 44.7 35.8 53.6
 100 18.9 15.1 22.7





#42

Toluene

Concen: 5.594 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

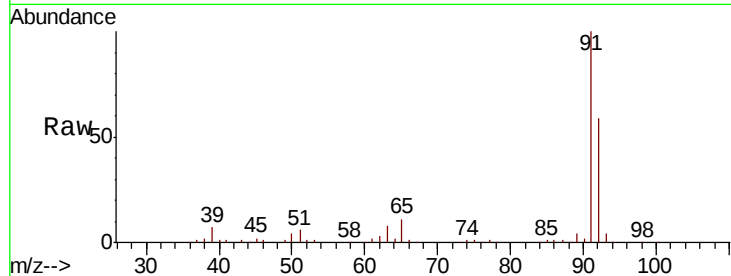
VSTD005364

Tot Ion: 91 Resp: 264510

Ion Ratio Lower Upper

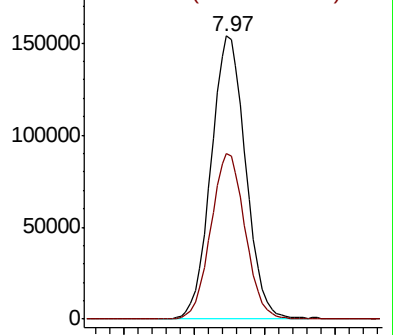
91 100

92 58.5 40.9 76.0

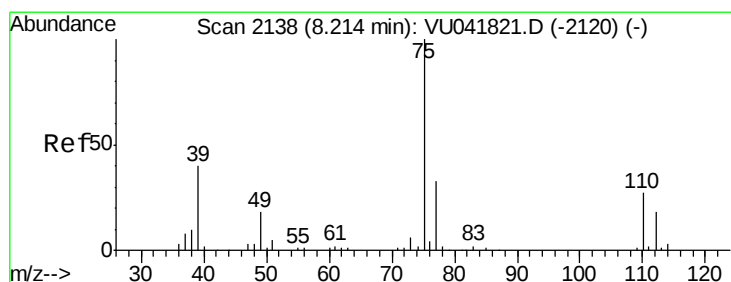
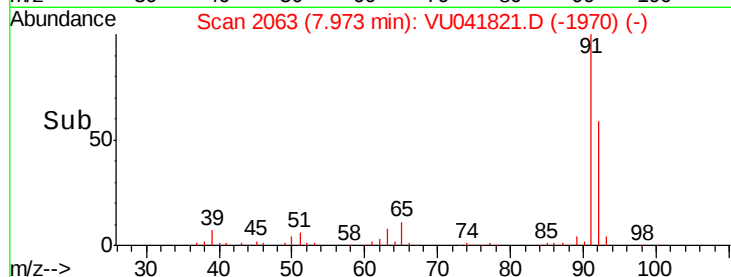


Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.006 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041821.D

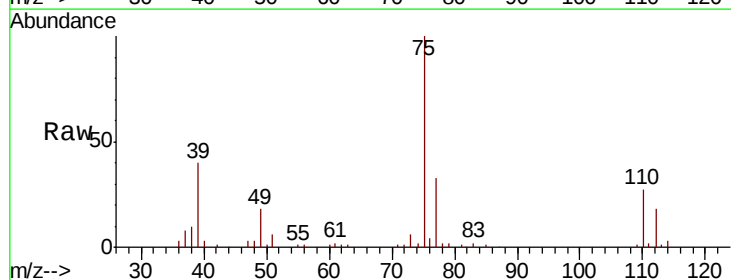
Acq: 28 Dec 2020 11:02

Tgt Ion: 75 Resp: 83837

Ion Ratio Lower Upper

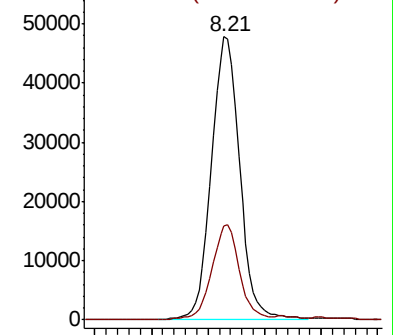
75 100

77 33.4 23.4 43.4

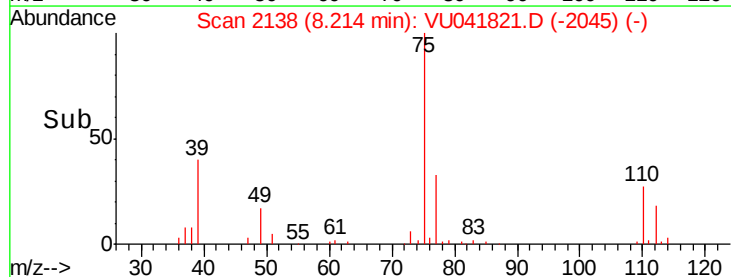


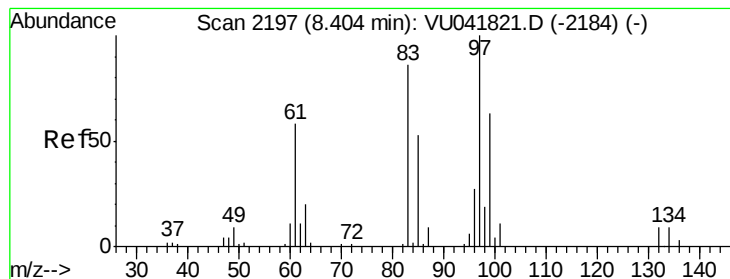
Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



Time-->





#45

1,1,2-Trichloroethane

Concen: 5.697 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005364

Tot Ion: 97 Resp: 50651

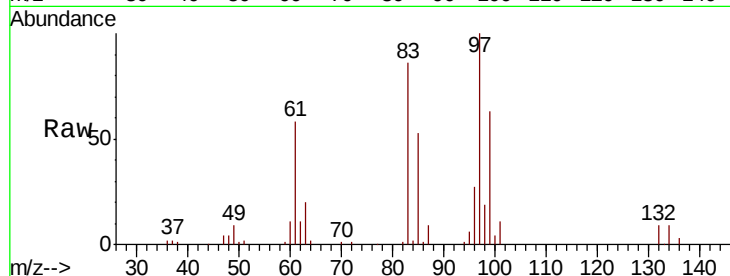
Ion Ratio Lower Upper

97 100

99 63.1 44.2 82.0

83 85.9 60.1 111.7

85 53.3 37.3 69.3

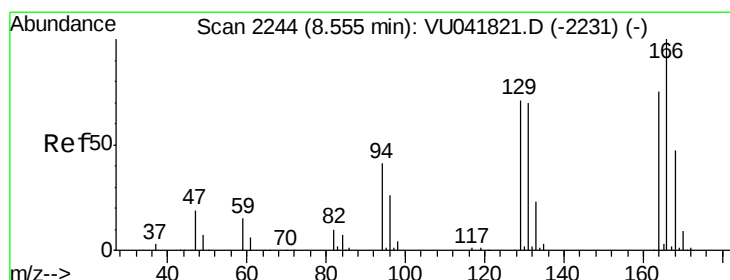
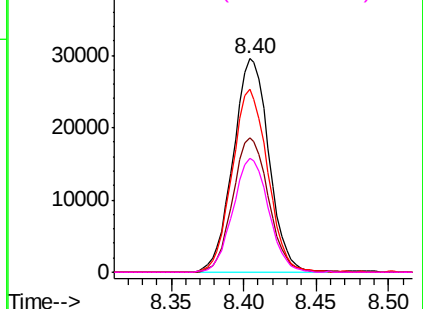
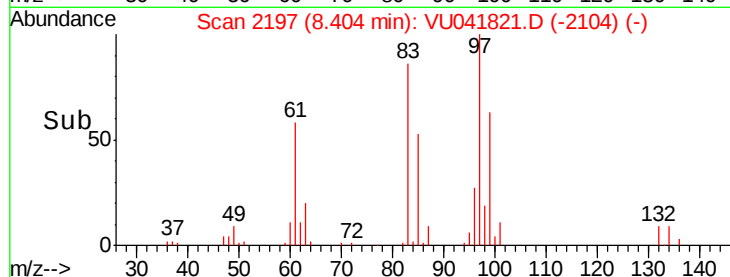


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.656 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

Tgt Ion: 164 Resp: 51044

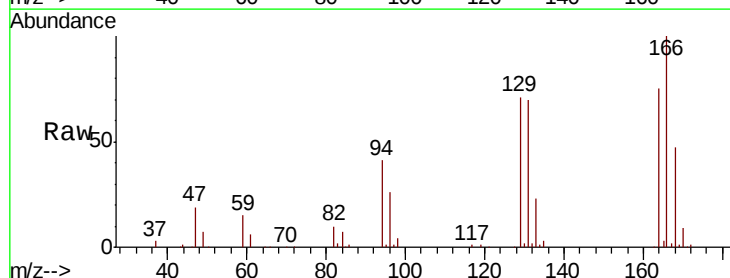
Ion Ratio Lower Upper

164 100

129 95.2 66.6 123.8

131 94.1 65.9 122.3

166 133.8 93.7 173.9

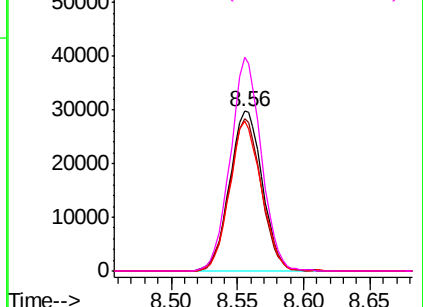
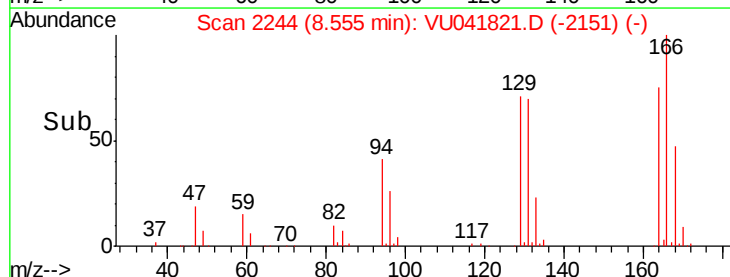


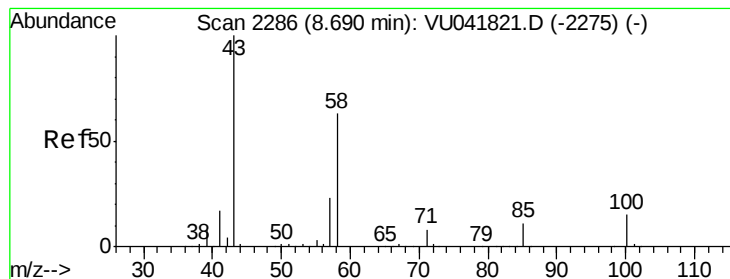
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 49.862 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005364

Tot Ion: 43 Resp: 299084

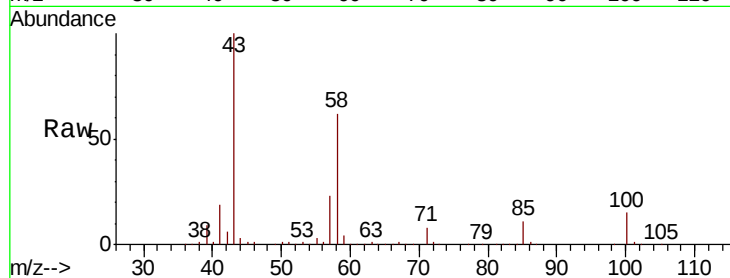
Ion Ratio Lower Upper

43 100

58 62.5 50.0 75.0

57 21.7 17.4 26.0

100 14.8 11.8 17.8

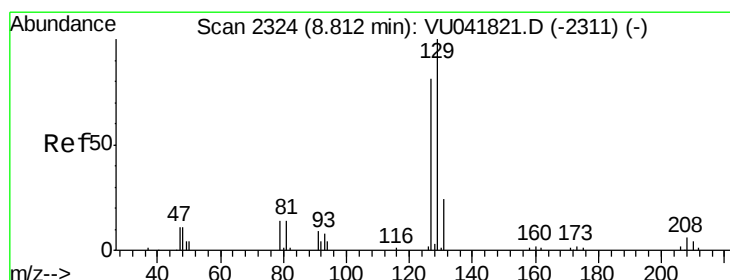
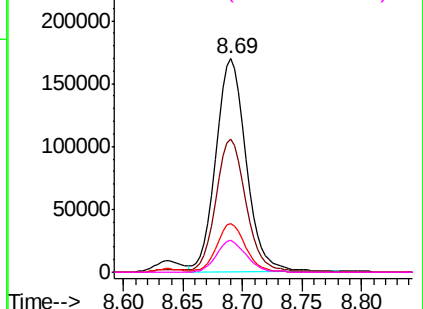
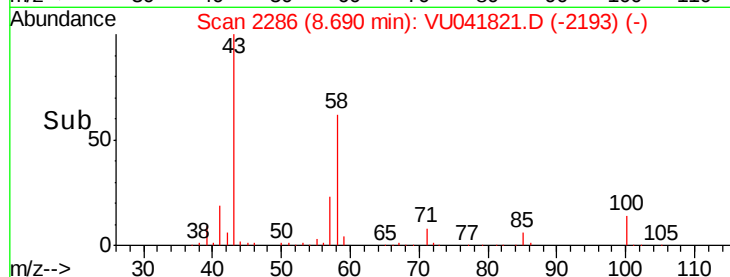


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 5.051 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU041821.D

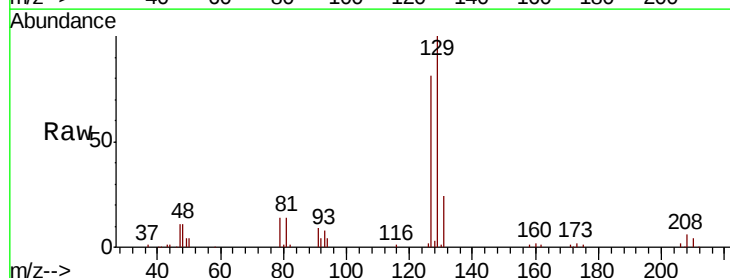
Acq: 28 Dec 2020 11:02

Tgt Ion: 129 Resp: 59482

Ion Ratio Lower Upper

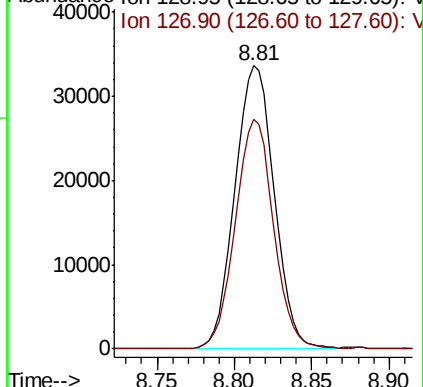
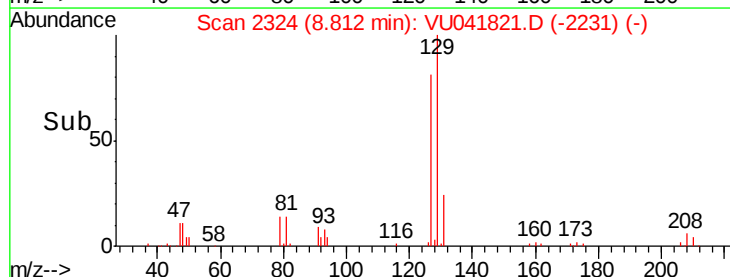
129 100

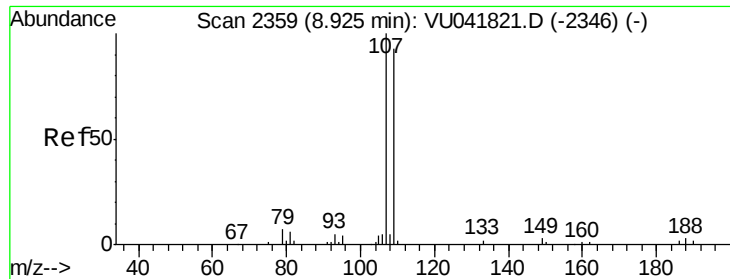
127 80.9 56.6 105.2



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

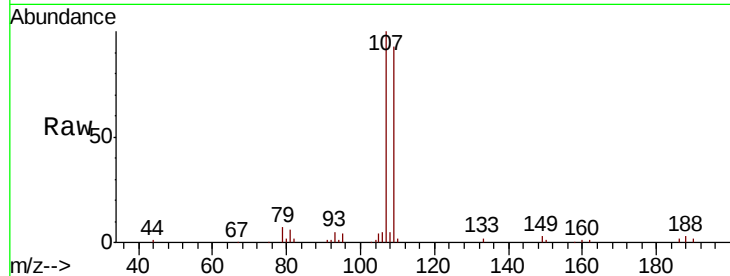




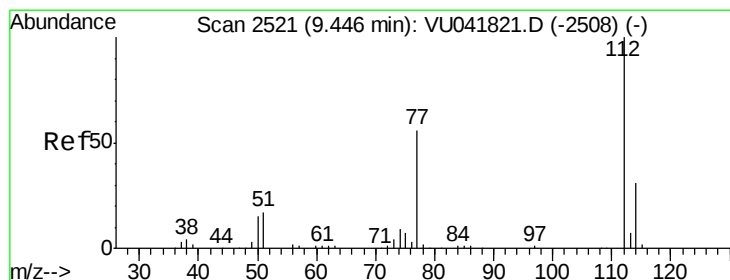
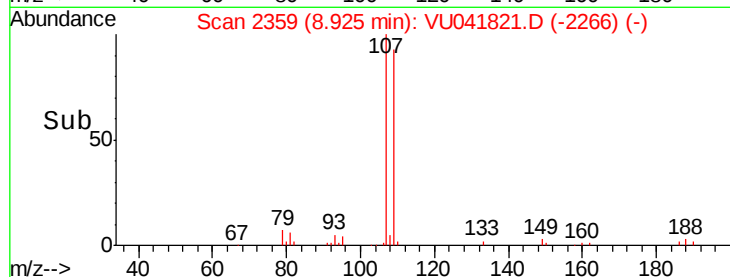
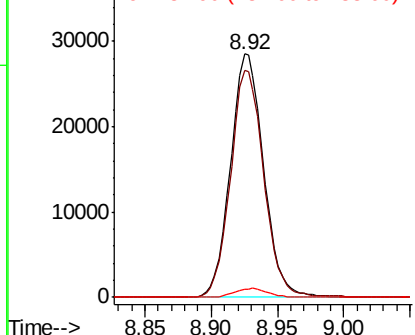
#50
1,2-Dibromoethane
Concen: 5.684 ug/L
RT: 8.92 min Scan# 2359
Delta R.T. 0.00 min
Lab File: VU041821.D
Acq: 28 Dec 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD005364

Tot Ion:107 Resp: 49312
Ion Ratio Lower Upper
107 100
109 93.4 65.4 121.4
188 3.1 2.5 3.7

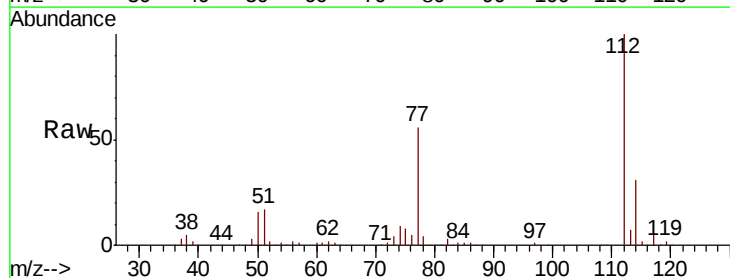


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

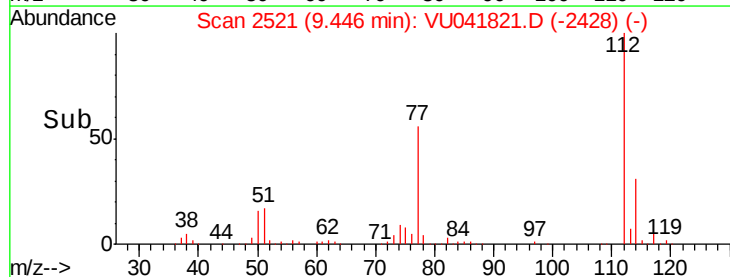
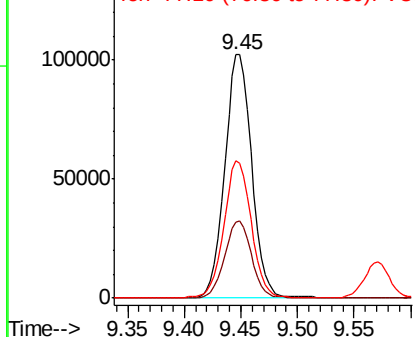


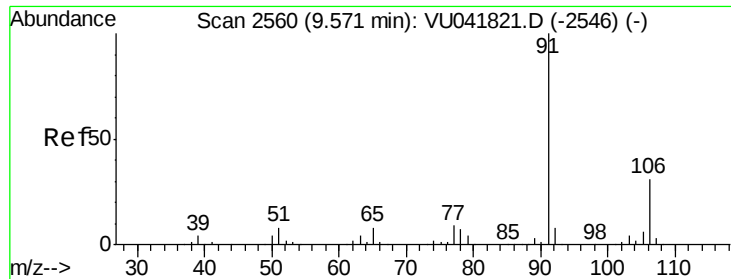
#51
Chlorobenzene
Concen: 5.526 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. 0.00 min
Lab File: VU041821.D
Acq: 28 Dec 2020 11:02

Tgt Ion:112 Resp: 169809
Ion Ratio Lower Upper
112 100
114 31.3 21.9 40.7
77 56.4 45.1 67.7



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: 5.210 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

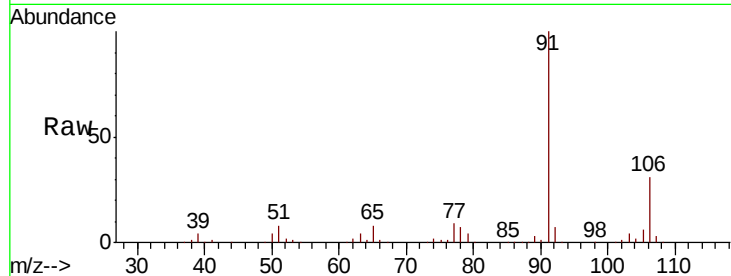
VSTD005364

Tot Ion: 91 Resp: 273170

Ion Ratio Lower Upper

91 100

106 31.4 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VU041821.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU041821.D (-2546) (-)

200000

150000

100000

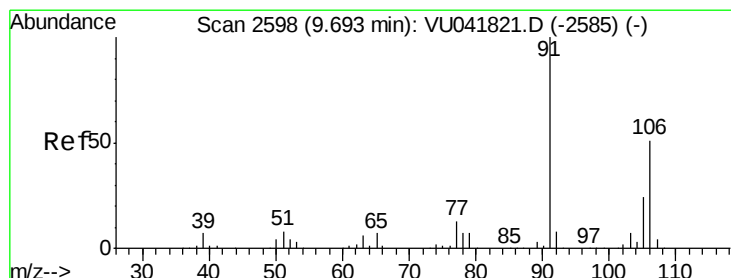
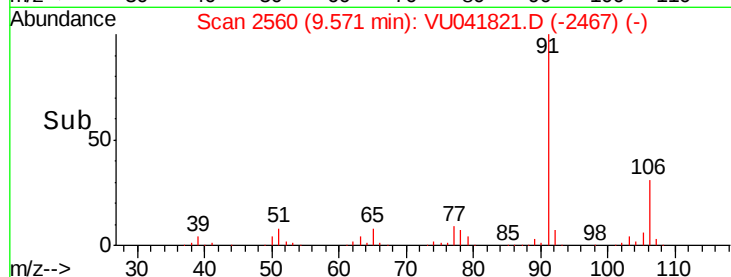
50000

0

9.57

9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 5.711 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041821.D

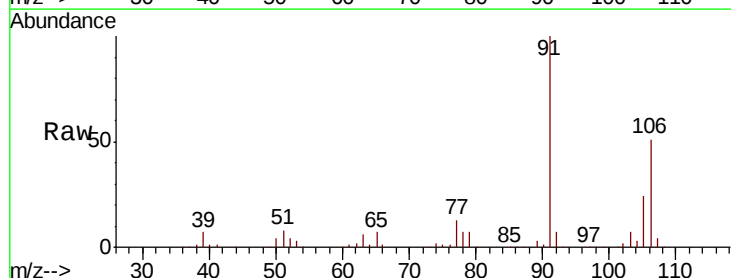
Acq: 28 Dec 2020 11:02

Tgt Ion: 106 Resp: 109351

Ion Ratio Lower Upper

106 100

91 196.6 137.6 255.6



Abundance Ion 106.15 (105.85 to 106.85): VU041821.D (-2585) (-)

Ion 91.15 (90.85 to 91.85): VU041821.D (-2585) (-)

150000

100000

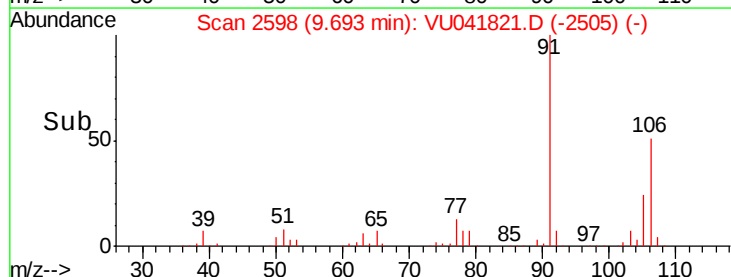
50000

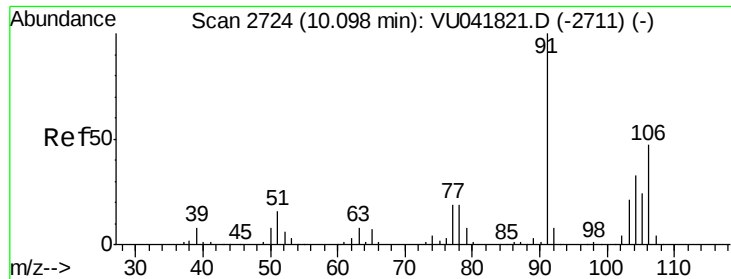
0

9.69

9.60 9.65 9.70 9.75 9.80

Time-->

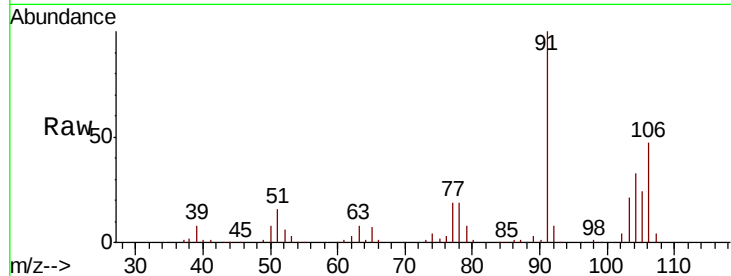




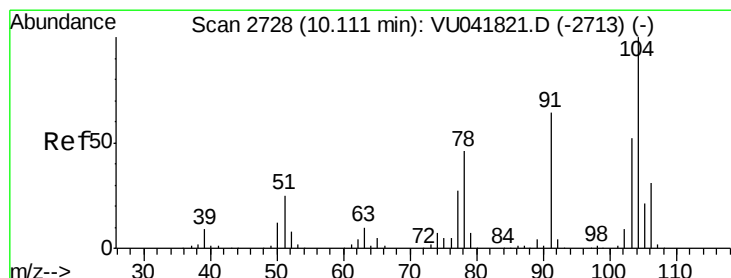
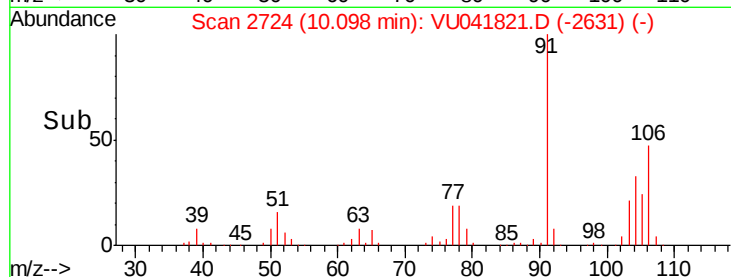
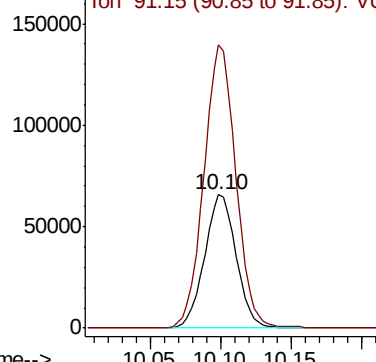
#54
o-Xylene
Concen: 5.562 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041821.D
Acq: 28 Dec 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD005364

Tot Ion:106 Resp: 103326
Ion Ratio Lower Upper
106 100
91 212.2 148.5 275.9

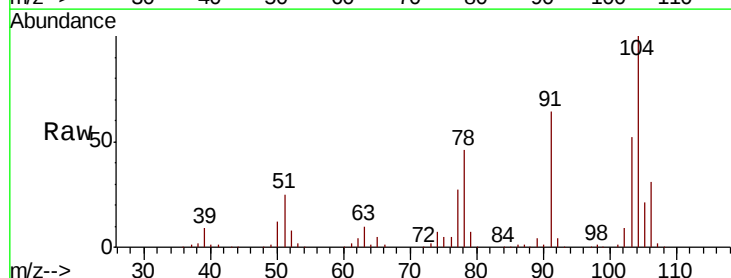


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

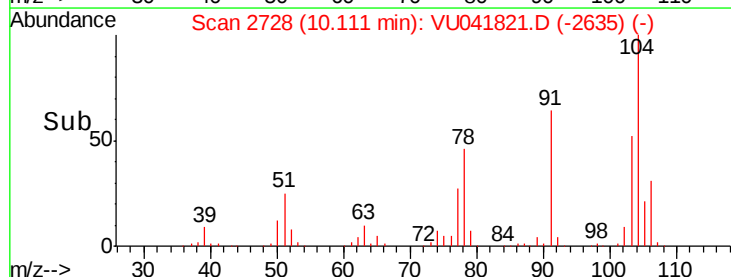
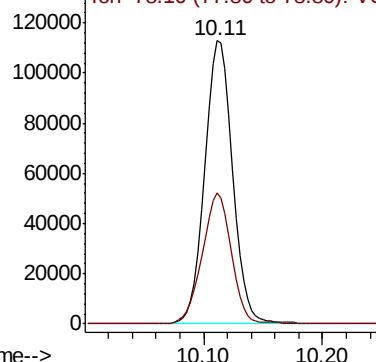


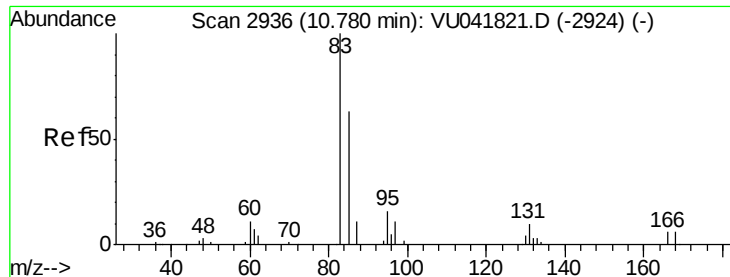
#55
Styrene
Concen: 5.653 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. 0.00 min
Lab File: VU041821.D
Acq: 28 Dec 2020 11:02

Tgt Ion:104 Resp: 183841
Ion Ratio Lower Upper
104 100
78 46.2 32.3 60.1



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

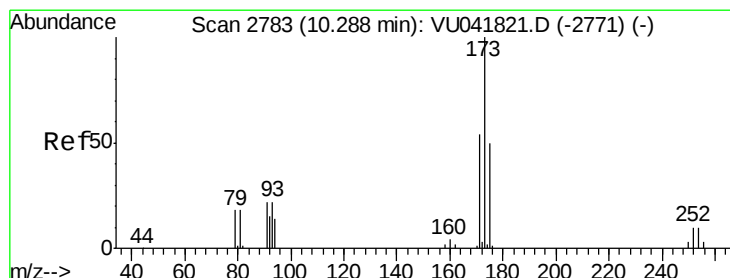
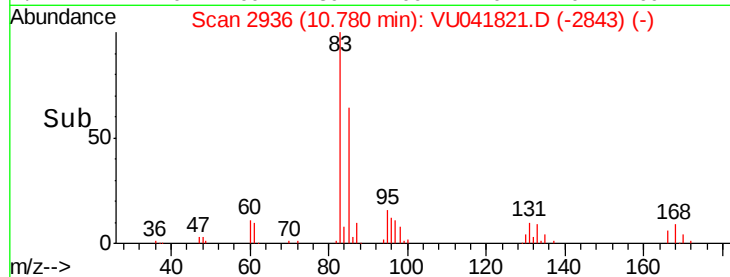
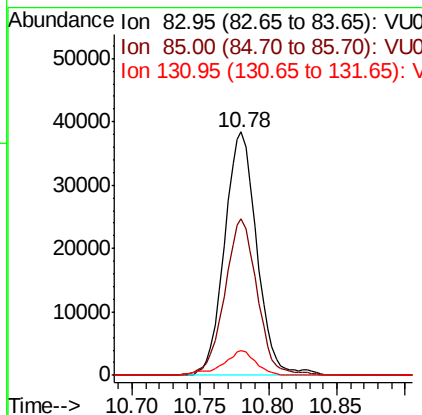
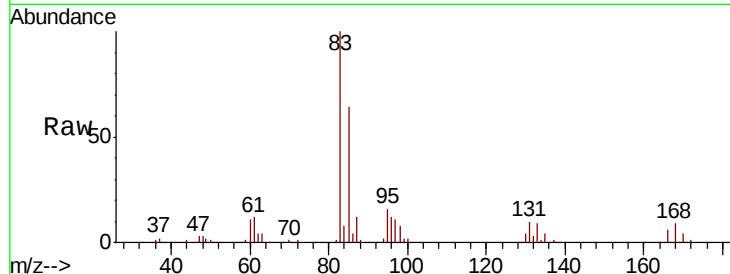




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.449 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

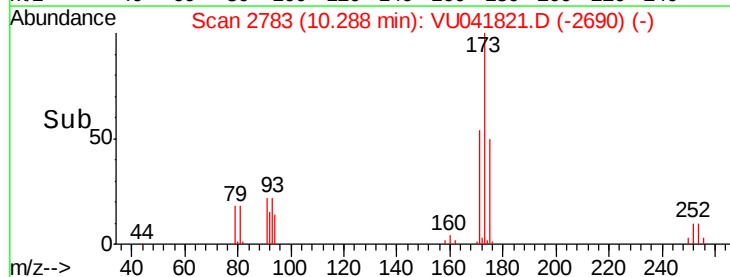
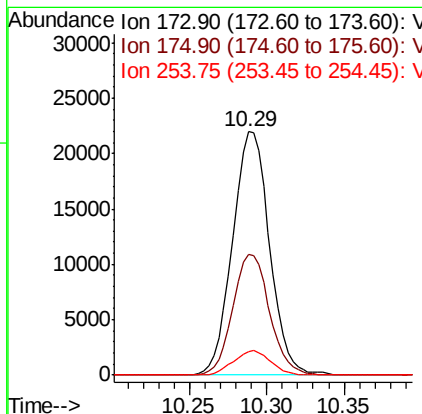
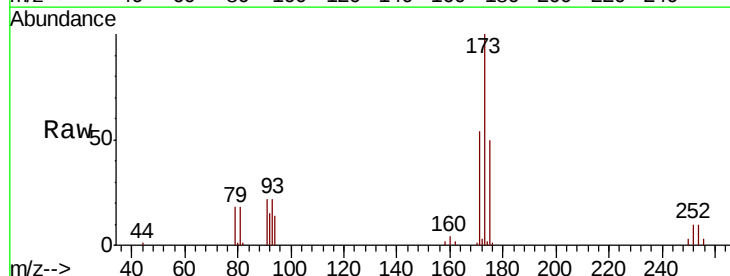
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005364

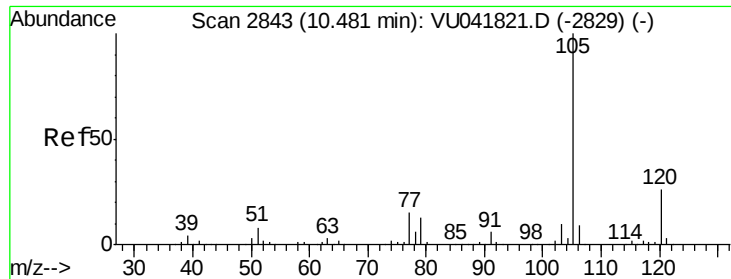
Tot Ion: 83 Resp: 63074
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.9 83.5
 131 10.3 8.2 12.4



#59
 Bromoform
 Concen: 5.467 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

Tgt Ion: 173 Resp: 36498
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.4 59.0
 254 10.0 8.0 12.0





#60

Isopropylbenzene

Concen: 5.471 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005364

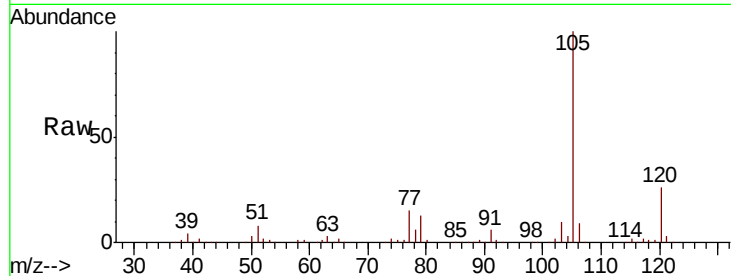
Tot Ion: 105 Resp: 276020

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

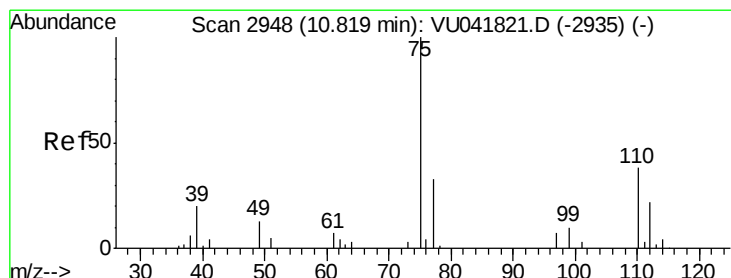
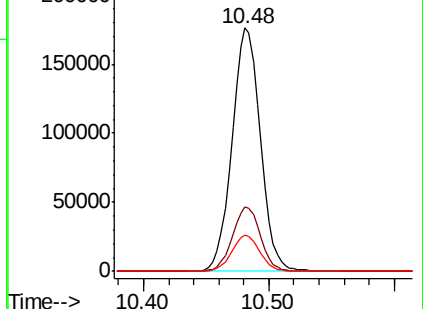
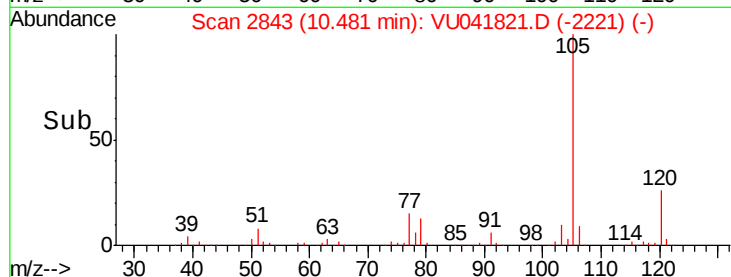
77 14.8 11.8 17.8



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: 5.285 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU041821.D

Acq: 28 Dec 2020 11:02

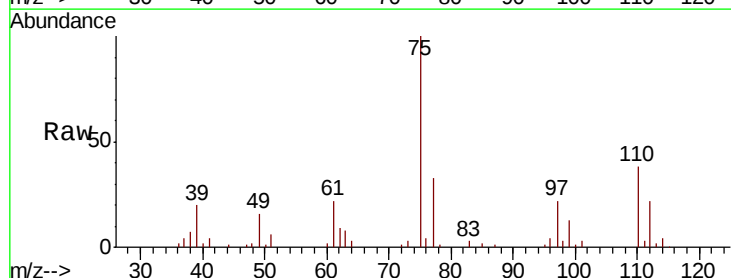
Tgt Ion: 75 Resp: 46808

Ion Ratio Lower Upper

75 100

110 39.4 31.5 47.3

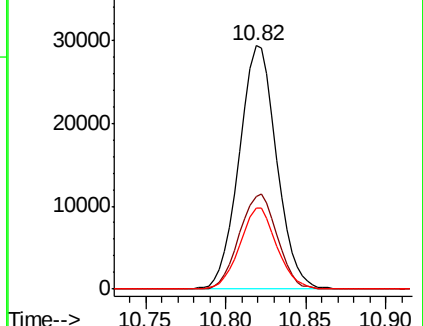
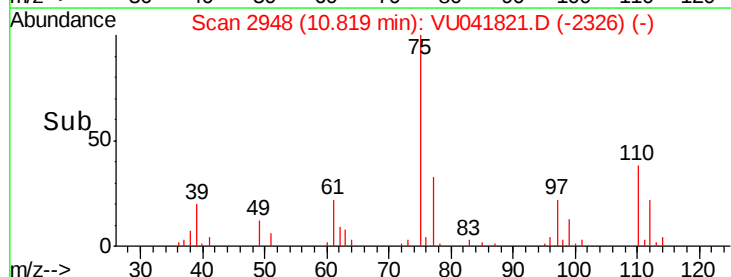
77 32.9 26.3 39.5

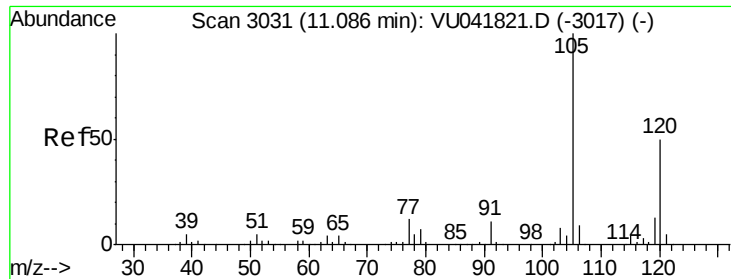


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

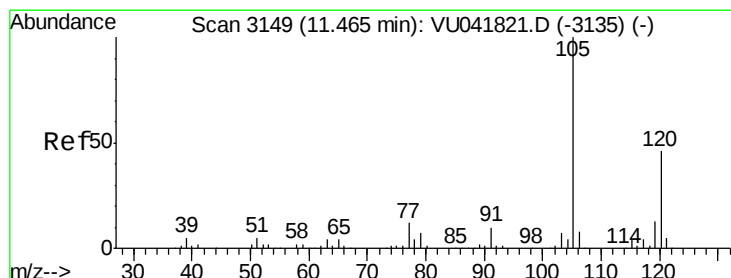
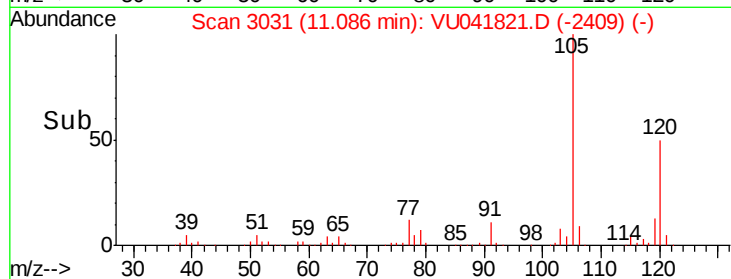
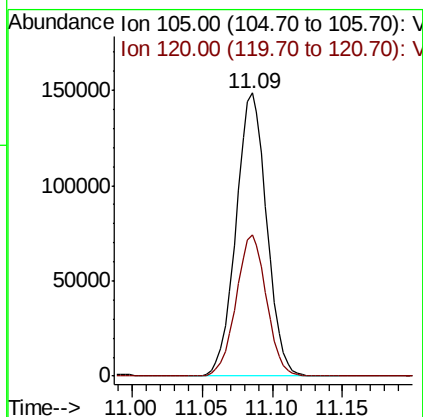
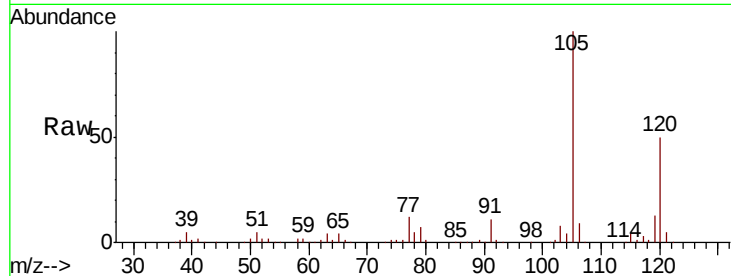




#62
 1,3,5-Trimethylbenzene
 Concen: 5.275 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

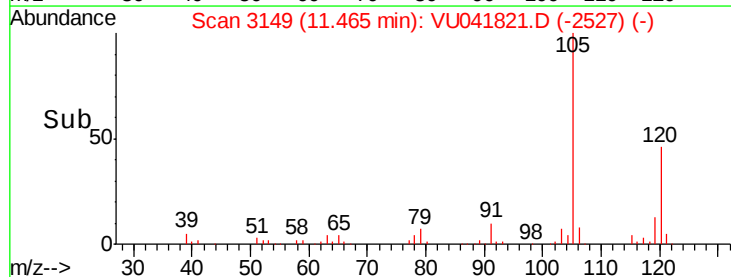
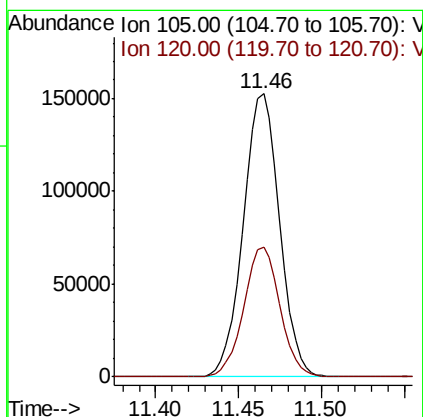
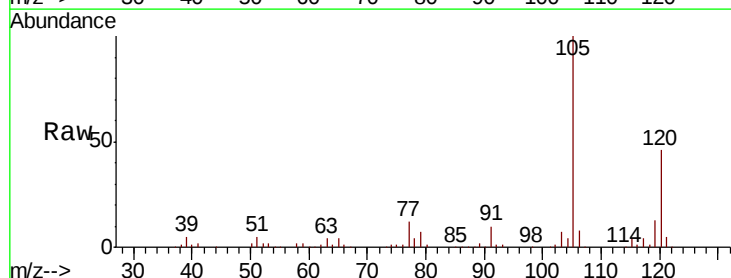
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005364

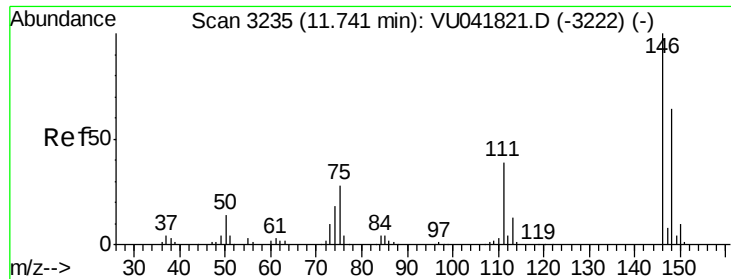
Tot Ion:105 Resp: 226646
 Ion Ratio Lower Upper
 105 100
 120 49.4 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 5.325 ug/L
 RT: 11.46 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

Tgt Ion:105 Resp: 231916
 Ion Ratio Lower Upper
 105 100
 120 45.9 36.7 55.1

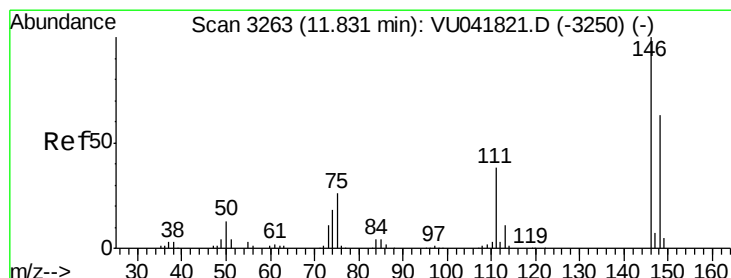
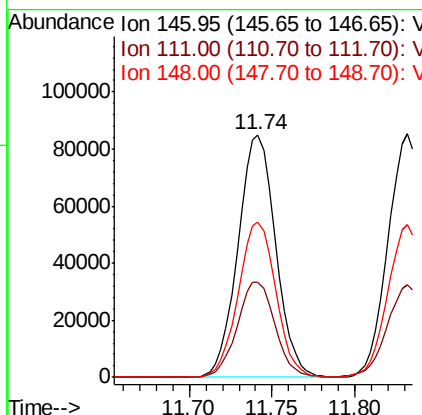
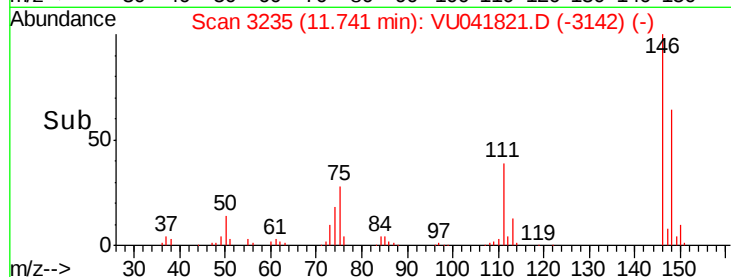
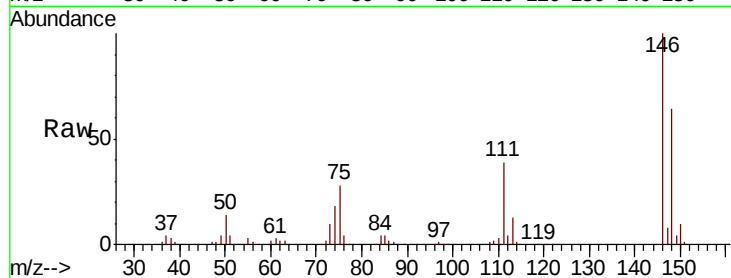




#64
 1,3-Dichlorobenzene
 Concen: 5.358 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

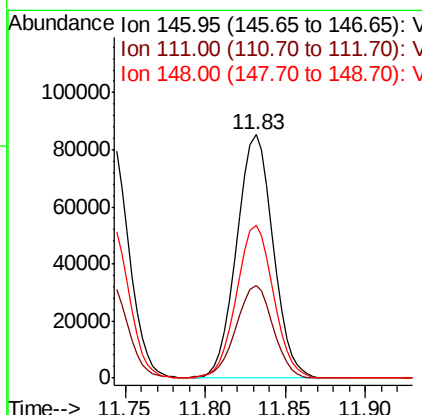
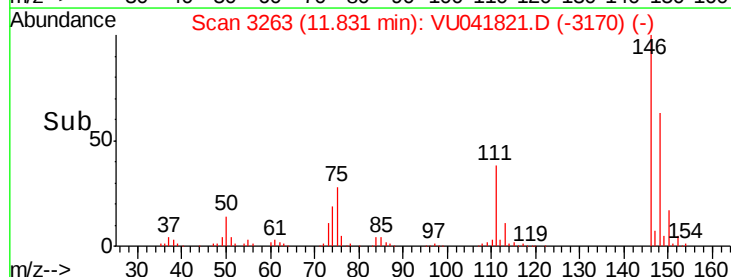
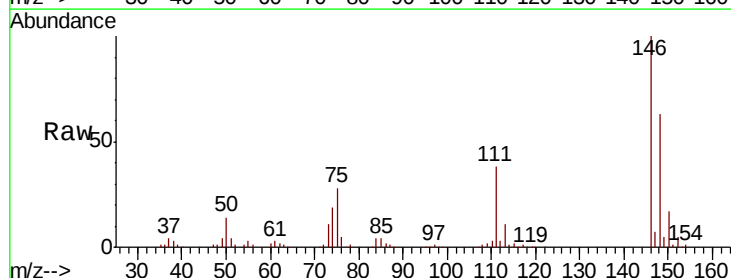
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005364

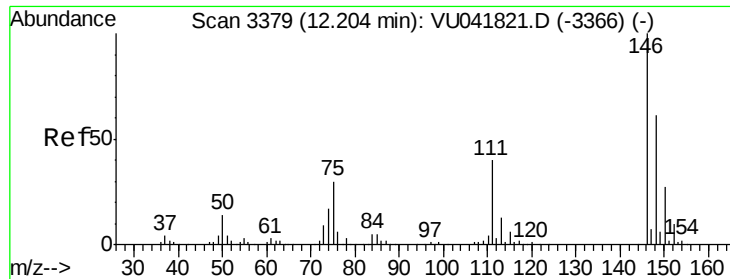
Tot Ion:146 Resp: 134040
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.6 51.2
 148 64.1 44.9 83.3



#65
 1,4-Dichlorobenzene
 Concen: 5.230 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

Tgt Ion:146 Resp: 132328
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.7 49.5
 148 62.7 43.9 81.5

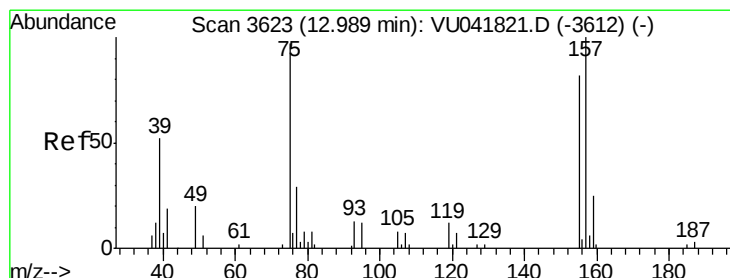
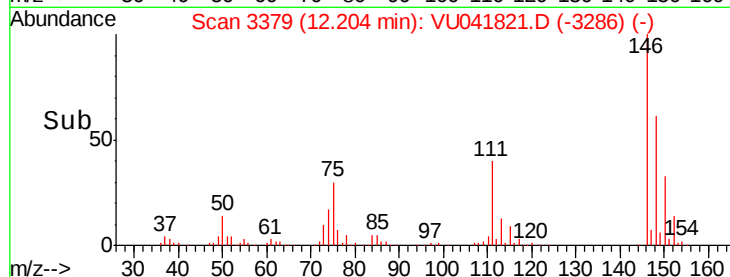
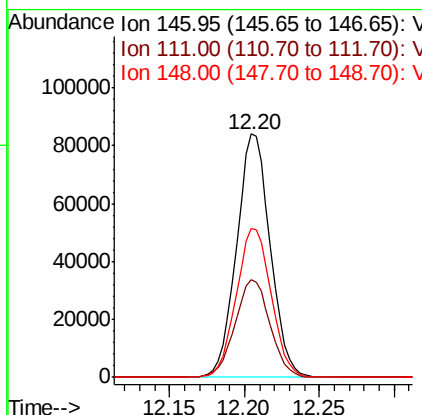
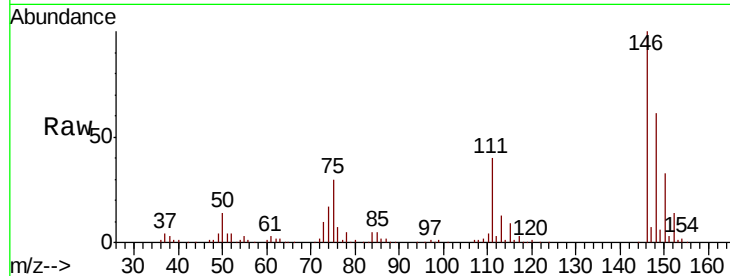




#67
 1,2-Dichlorobenzene
 Concen: 5.321 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

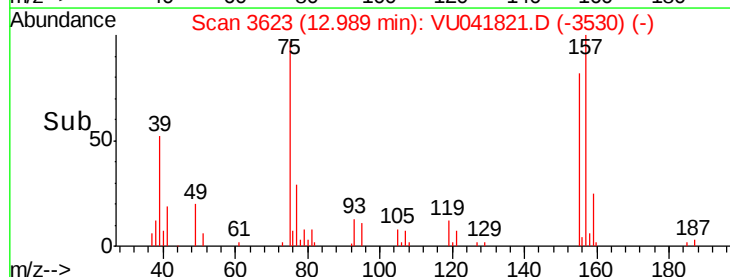
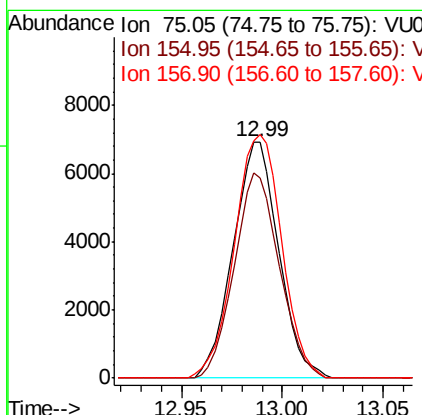
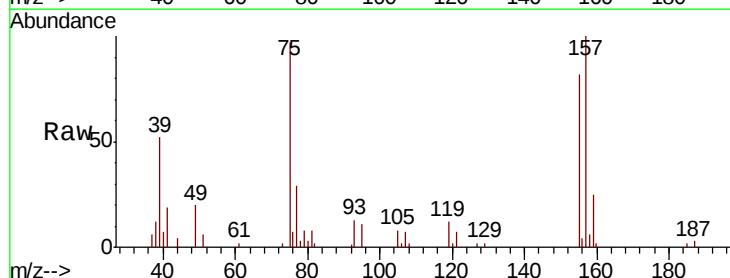
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005364

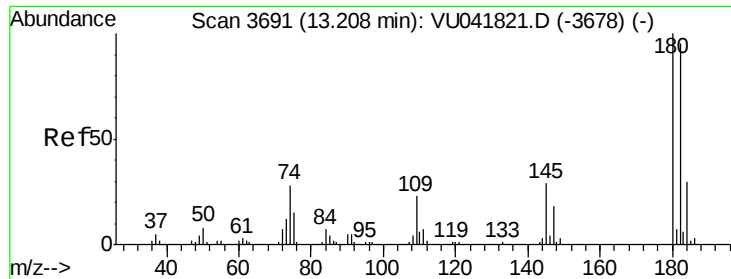
Tot Ion:146 Resp: 131158
 Ion Ratio Lower Upper
 146 100
 111 39.9 31.9 47.9
 148 61.0 48.8 73.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.685 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

Tgt Ion: 75 Resp: 10949
 Ion Ratio Lower Upper
 75 100
 155 84.8 67.8 101.8
 157 103.0 82.4 123.6

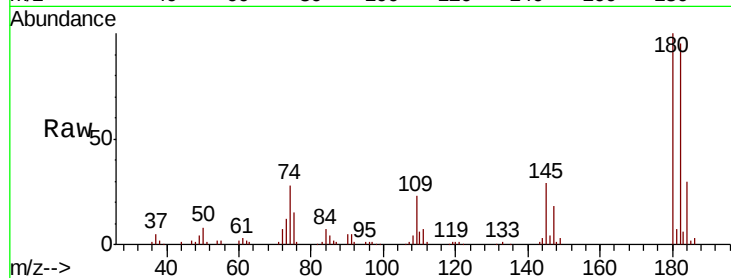




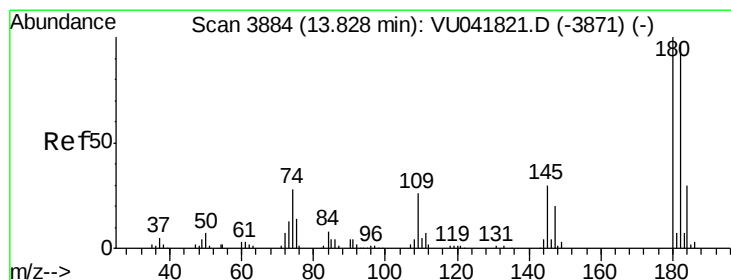
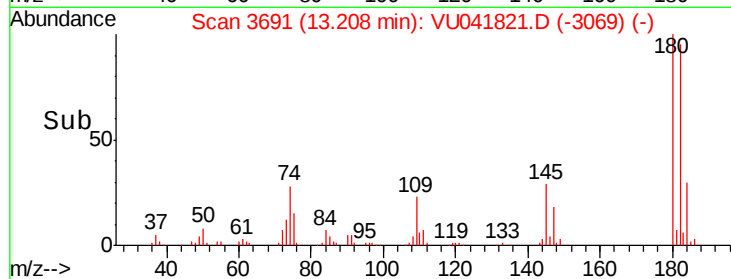
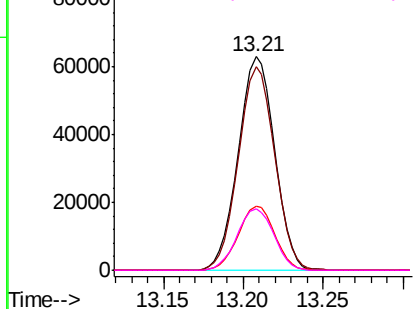
#69
 1,3,5-Trichlorobenzene
 Concen: 5.138 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005364

Tot Ion:180 Resp: 97489
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.1 114.1
 184 30.0 24.0 36.0
 145 29.0 23.2 34.8

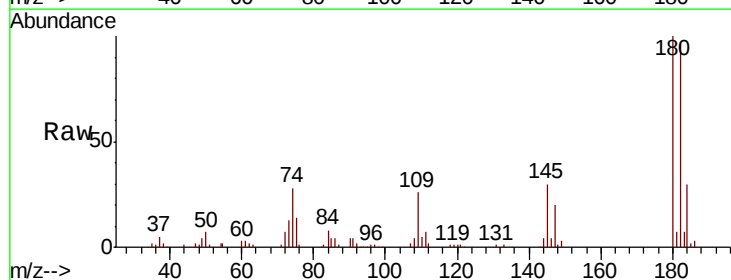


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

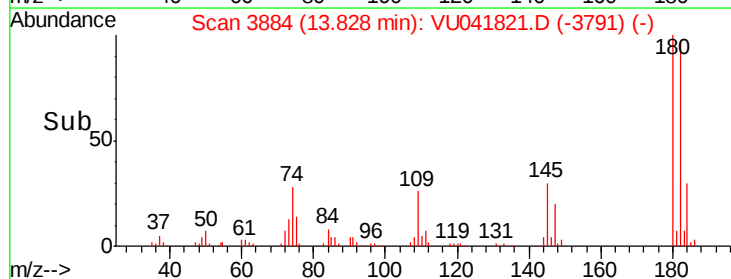
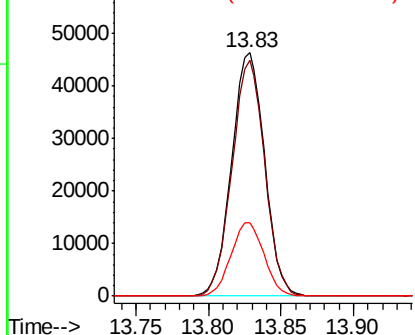


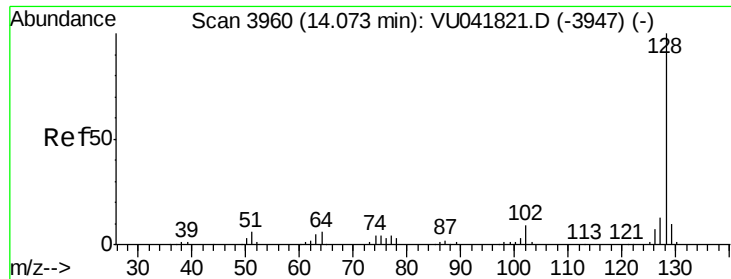
#70
 1,2,4-trichlorobenzene
 Concen: 4.717 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041821.D
 Acq: 28 Dec 2020 11:02

Tgt Ion:180 Resp: 73174
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 145 30.1 24.1 36.1



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

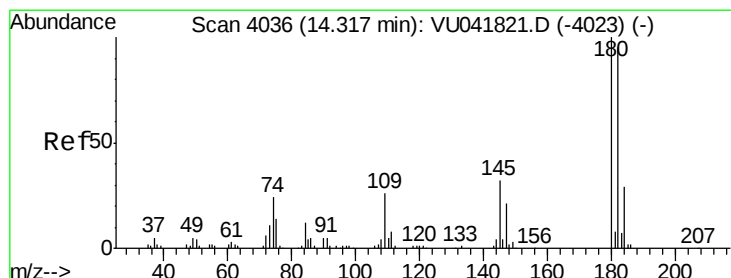
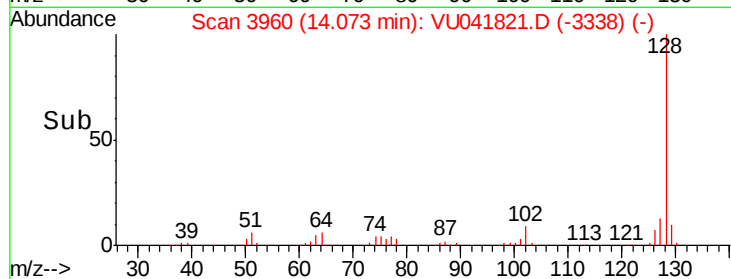
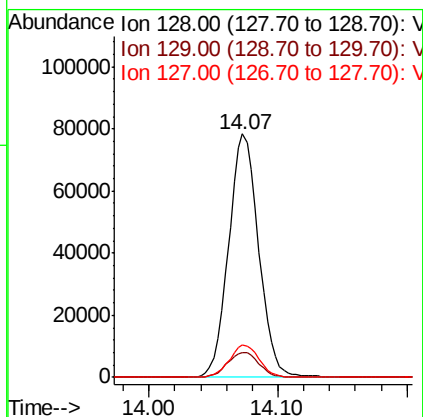
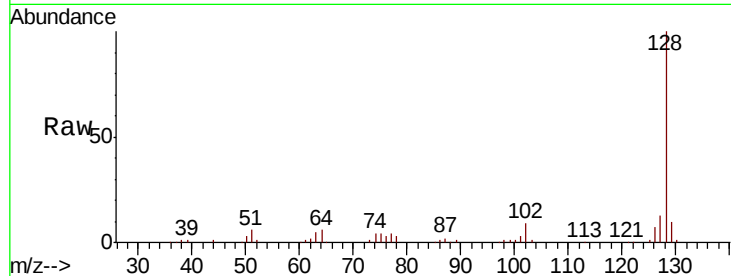




#71
Naphthalene
Concen: 4.906 ug/L
RT: 14.07 min Scan# 3960
Delta R.T. 0.00 min
Lab File: VU041821.D
Acq: 28 Dec 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD005364

Tot Ion:128 Resp: 126636
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 13.2 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.110 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU041821.D
Acq: 28 Dec 2020 11:02

Tgt Ion:180 Resp: 71635
Ion Ratio Lower Upper
180 100
182 94.8 75.8 113.8
145 31.2 25.0 37.4

