

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110920\
 Data File : VU041154.D
 Acq On : 09 Nov 2020 20:45
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Quant Time: Nov 10 01:15:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 01:04:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	64752	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	64424	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	34040	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27015	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.92	69	21067	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.58	63	51131	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	4.65	46	90407	50.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.94%
24) Chloroform-d	5.08	84	51045	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.72	65	31086	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.74	84	93550	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
36) 1,2-Dichloropropane-d6	6.70	67	30082	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	7.91	98	87635	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.20%
43) trans-1,3-Dichloropropene-	8.18	79	12777	5.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.00%
46) 2-Hexanone-d5	8.64	63	69526	53.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.22%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26228	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	32264	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	25802	4.365 ug/L	99
3) Chloromethane	1.53	50	26752	4.340 ug/L	100
5) Vinyl chloride	1.61	62	26245	4.316 ug/L	99
6) Bromomethane	1.87	94	13238	3.798 ug/L	94
8) Chloroethane	1.94	64	15753	4.089 ug/L	99
9) Trichlorofluoromethane	2.15	101	39811	4.816 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	22416	4.627 ug/L	96
12) 1,1-Dichloroethene	2.59	96	20303	4.439 ug/L	91
13) Acetone	2.66	43	51330	41.911 ug/L #	56
14) Carbon disulfide	2.81	76	58660	3.838 ug/L	99
15) Methyl Acetate	2.97	43	13352	4.764 ug/L	94
16) Methylene chloride	3.06	84	23430	4.396 ug/L	92
17) Methyl tert-butyl Ether	3.38	73	57372	4.874 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	20999	4.518 ug/L	99
19) 1,1-Dichloroethane	3.89	63	43642	4.696 ug/L	99
21) 2-Butanone	4.73	43	86453	45.164 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	23484	4.898 ug/L	97

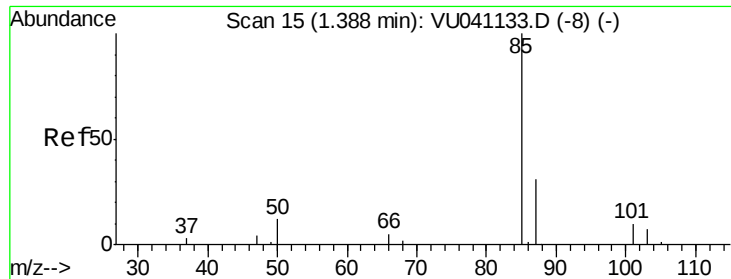
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110920\
 Data File : VU041154.D
 Acq On : 09 Nov 2020 20:45
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Quant Time: Nov 10 01:15:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 01:04:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	11739	5.190	ug/L	91
25) Chloroform	5.11	83	46602	5.001	ug/L	98
27) 1,2-Dichloroethane	5.81	62	33795	4.869	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	39075	4.959	ug/L	96
30) Cyclohexane	5.40	56	34358	4.426	ug/L	98
31) Carbon tetrachloride	5.54	117	34553	4.952	ug/L	99
33) Benzene	5.79	78	93262	4.845	ug/L	100
34) Trichloroethene	6.56	95	25380	5.181	ug/L	97
35) Methylcyclohexane	6.77	83	32384	4.432	ug/L	99
37) 1,2-Dichloropropane	6.80	63	25549	4.905	ug/L #	97
38) Bromodichloromethane	7.11	83	34308	5.078	ug/L #	99
39) cis-1,3-Dichloropropene	7.61	75	35062	4.889	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	207395	49.938	ug/L	99
42) Toluene	7.98	91	98350	5.038	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	33477	4.988	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	19002	4.901	ug/L	95
47) Tetrachloroethene	8.56	164	17525	4.865	ug/L	95
48) 2-Hexanone	8.69	43	156917	50.180	ug/L	98
49) Dibromochloromethane	8.81	129	23571	5.235	ug/L	97
50) 1,2-Dibromoethane	8.93	107	18237	4.936	ug/L	97
51) Chlorobenzene	9.45	112	62923	5.084	ug/L	97
52) Ethylbenzene	9.57	91	102335	4.981	ug/L	98
53) m,p-Xylene	9.69	106	39121	5.221	ug/L	96
54) o-Xylene	10.10	106	37635	5.393	ug/L	99
55) Styrene	10.11	104	65404	5.260	ug/L	100
56) Isopropylbenzene	10.48	105	101273	5.397	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	24751	4.860	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	19388	4.994	ug/L	99
61) Bromoform	10.29	173	13601	5.185	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	51768	5.269	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	51928	5.103	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	48613	5.014	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	4762	5.011	ug/L #	83
67) 1,3,5-Trichlorobenzene	13.21	180	35912	5.226	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	30432	5.346	ug/L	99
69) Naphthalene	14.08	128	51130	5.023	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	28520	5.436	ug/L	98

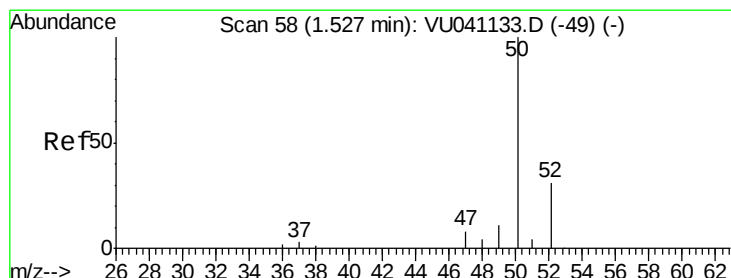
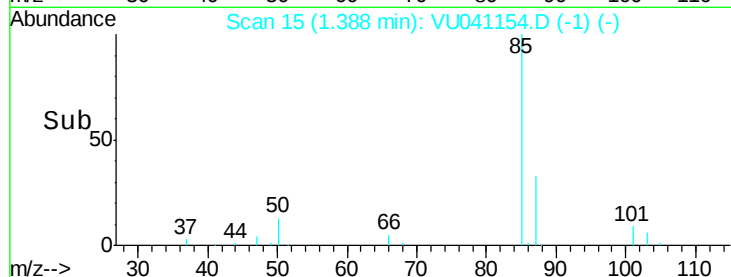
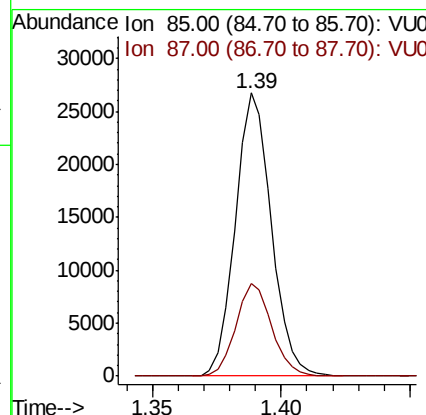
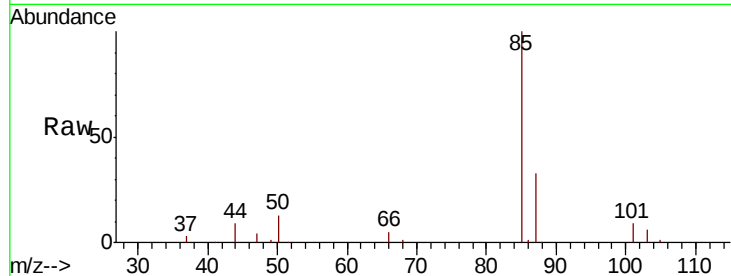
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.365 ug/L
 RT: 1.39 min Scan# 15
 Delta R.T. -0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

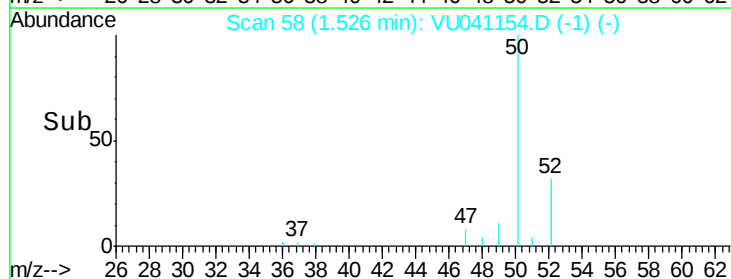
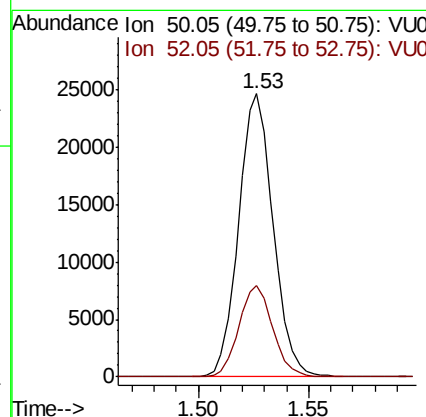
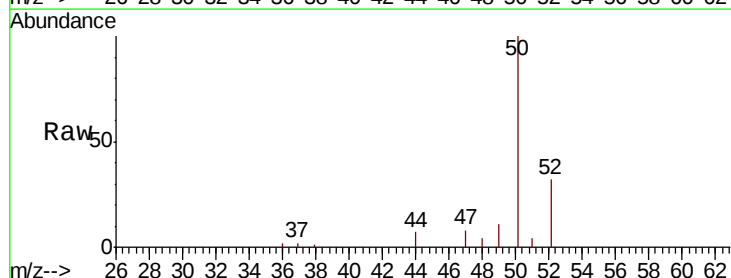
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

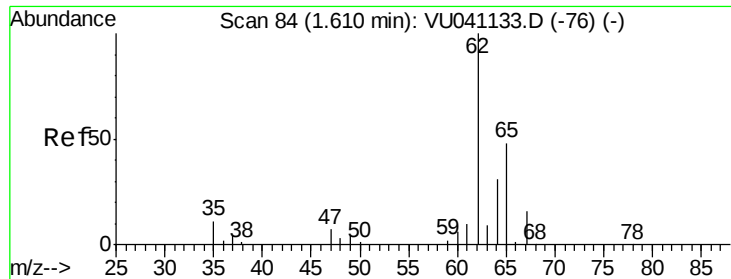
Tot Ion: 85 Resp: 25802
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.8 38.8



#3
 Chloromethane
 Concen: 4.340 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. -0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

Tgt Ion: 50 Resp: 26752
 Ion Ratio Lower Upper
 50 100
 52 32.1 22.4 41.6





#5

Vinyl chloride

Concen: 4.316 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

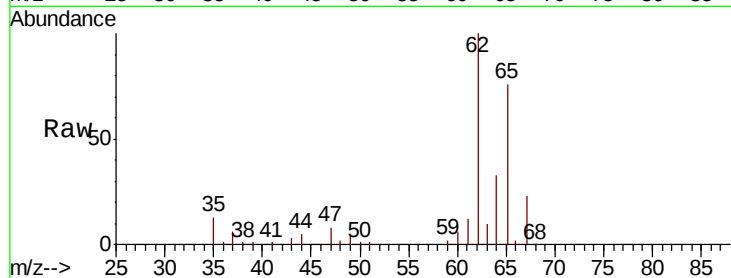
VSTD00522

Tot Ion: 62 Resp: 26245

Ion Ratio Lower Upper

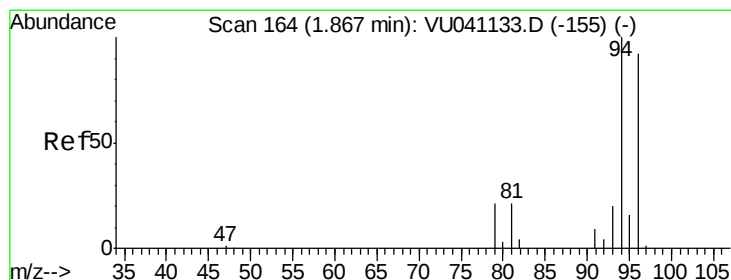
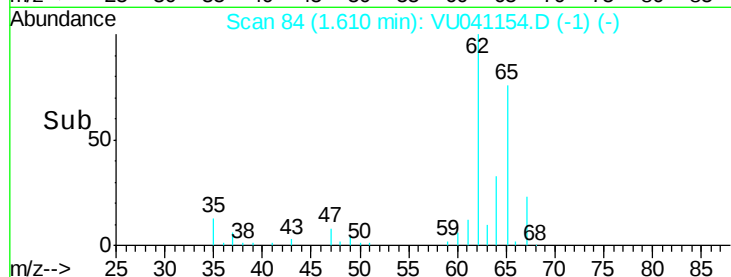
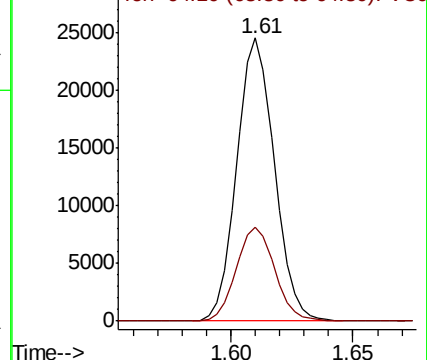
62 100

64 33.3 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.798 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041154.D

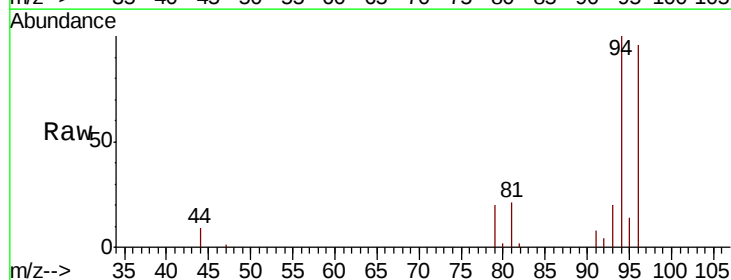
Acq: 09 Nov 2020 20:45

Tgt Ion: 94 Resp: 13238

Ion Ratio Lower Upper

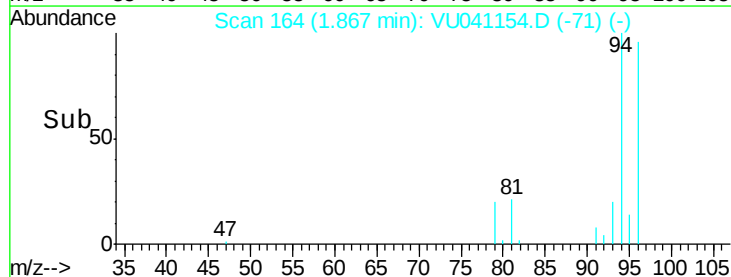
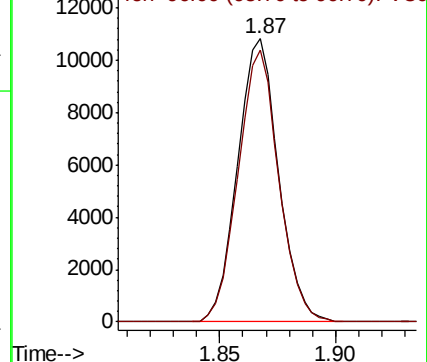
94 100

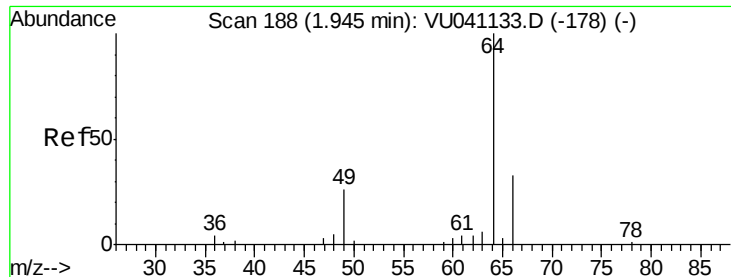
96 96.1 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

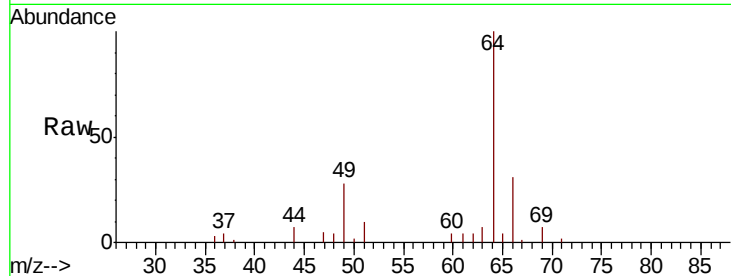




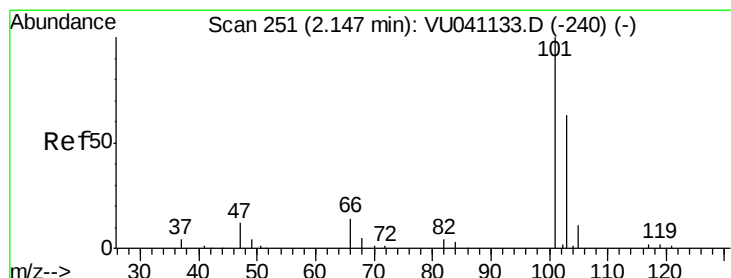
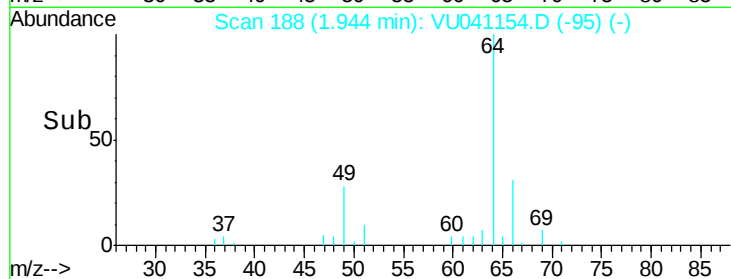
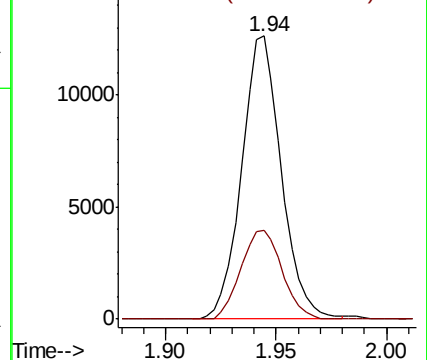
#8
Chloroethane
Concen: 4.089 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU041154.D
Acq: 09 Nov 2020 20:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion: 64 Resp: 15753
Ion Ratio Lower Upper
64 100
66 31.4 22.3 41.5

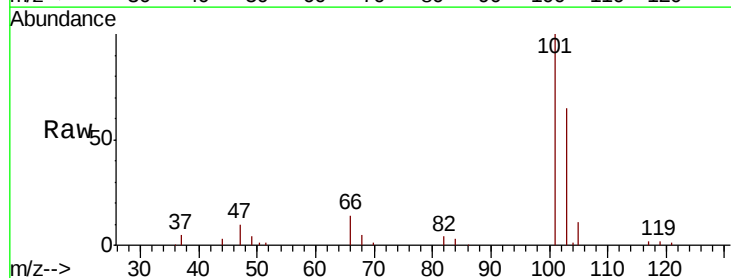


Abundance Ion 64.10 (63.80 to 64.80): VU041133.D (-178) (-)
Ion 66.05 (65.75 to 66.75): VU041133.D (-178) (-)

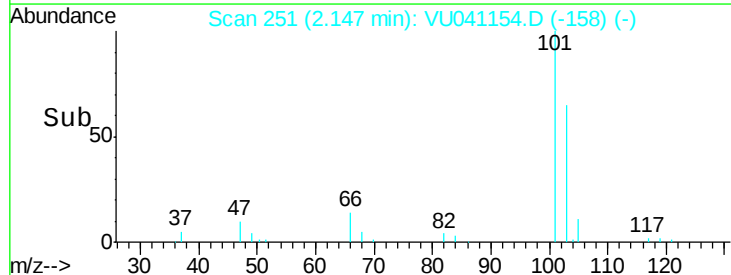
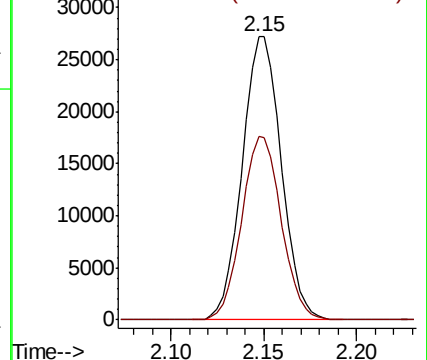


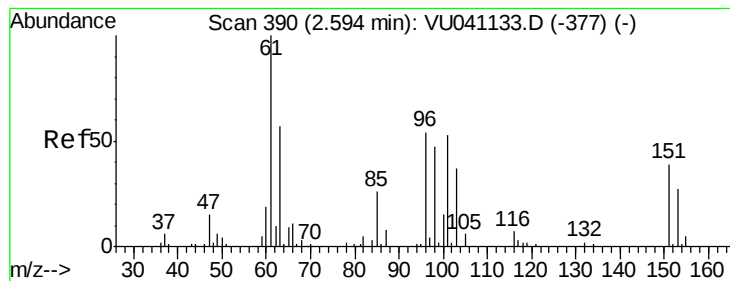
#9
Trichlorofluoromethane
Concen: 4.816 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU041154.D
Acq: 09 Nov 2020 20:45

Tgt Ion: 101 Resp: 39811
Ion Ratio Lower Upper
101 100
103 65.2 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041133.D (-240) (-)
Ion 103.00 (102.70 to 103.70): VU041133.D (-240) (-)





#10

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

Concen: 4.627 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

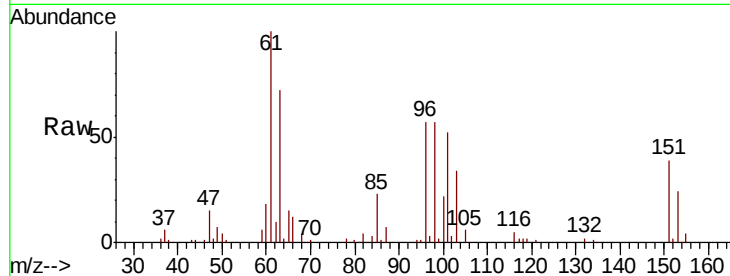
Tot Ion:101 Resp: 22416

Ion Ratio Lower Upper

101 100

85 45.1 35.0 52.4

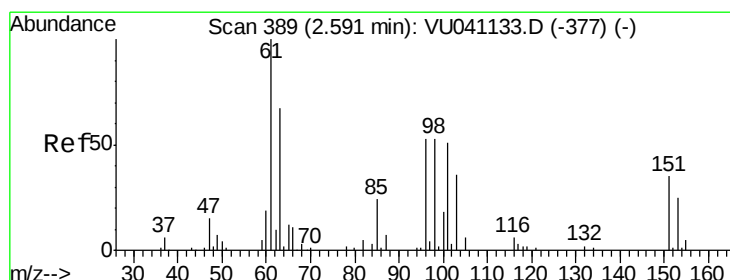
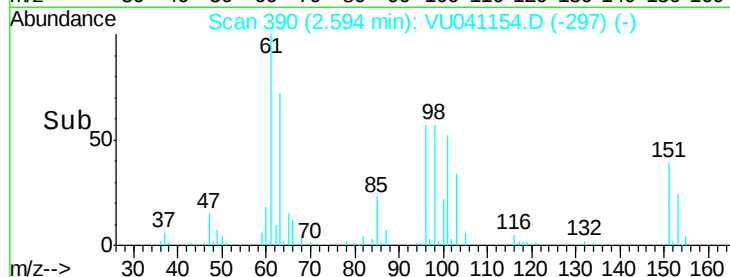
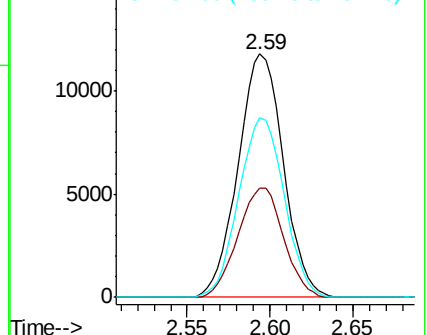
151 73.9 55.3 82.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.439 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

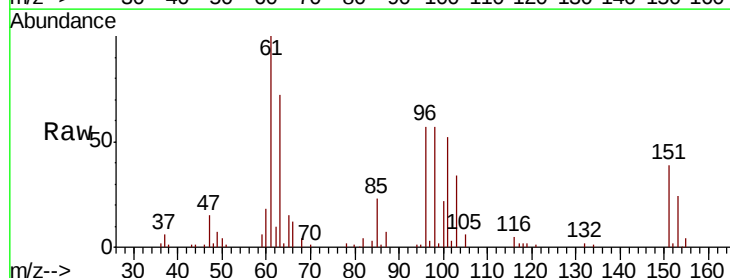
Tgt Ion: 96 Resp: 20303

Ion Ratio Lower Upper

96 100

61 176.2 134.3 249.5

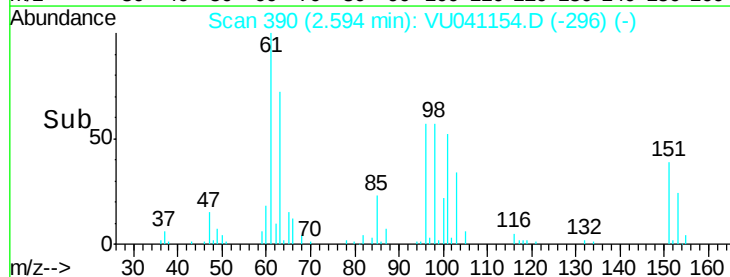
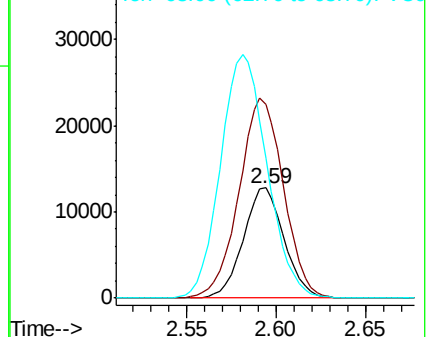
63 127.3 95.0 176.4

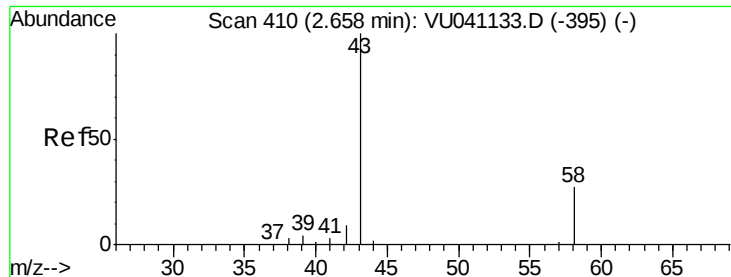


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 41.911 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

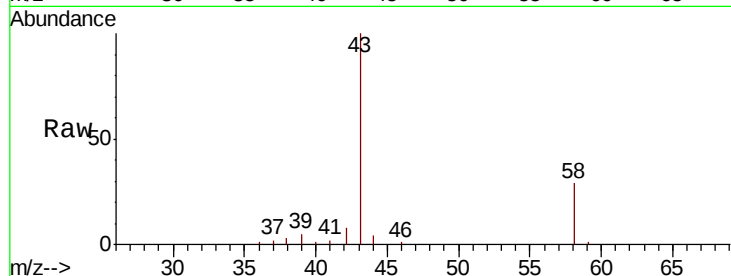
VSTD00522

Tot Ion: 43 Resp: 51330

Ion Ratio Lower Upper

43 100

58 30.0 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041133.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041133.D (-395) (-)

2.66

15000

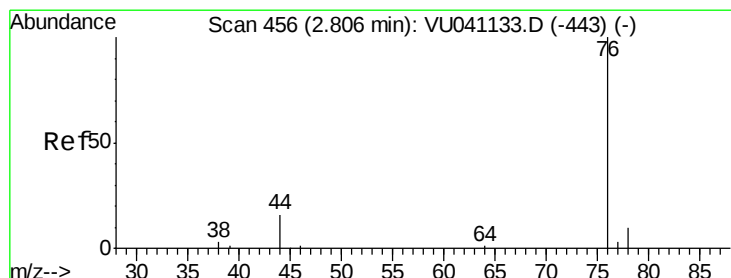
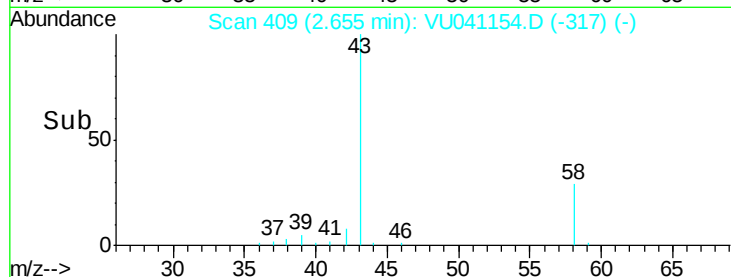
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5000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 3.838 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041154.D

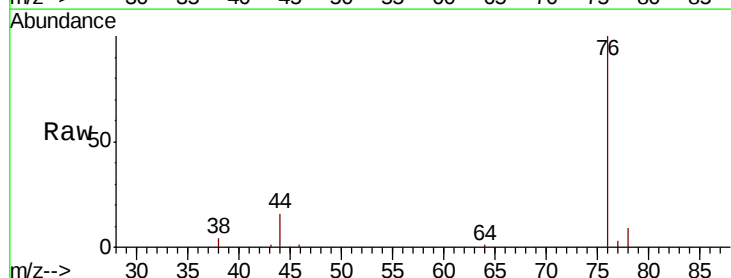
Acq: 09 Nov 2020 20:45

Tgt Ion: 76 Resp: 58660

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041133.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041133.D (-443) (-)

2.81

40000

30000

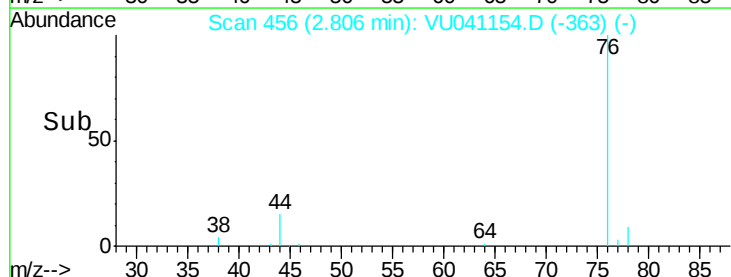
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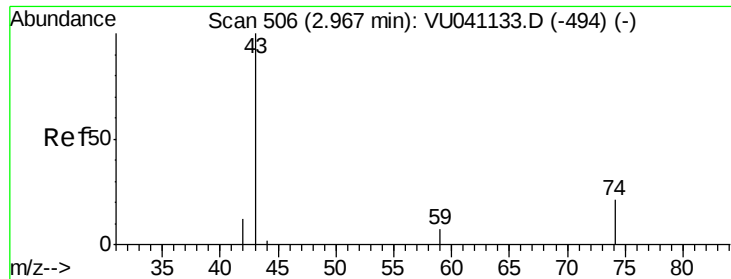
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Time-->

2.75 2.80 2.85 2.90

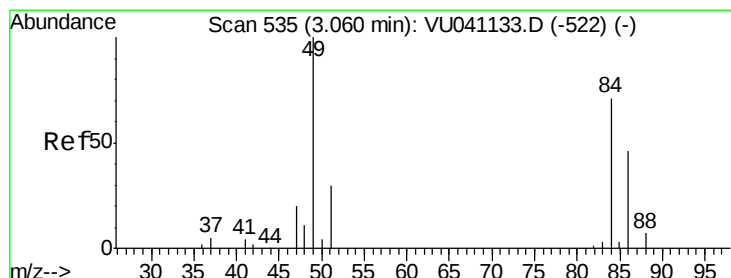
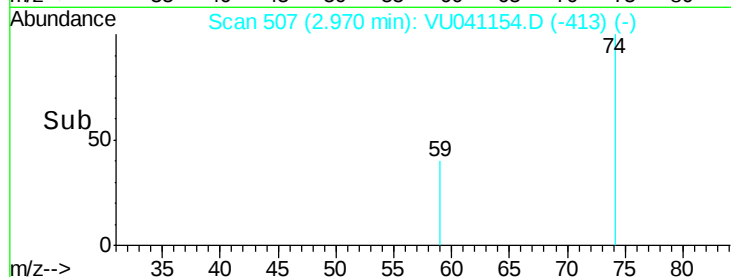
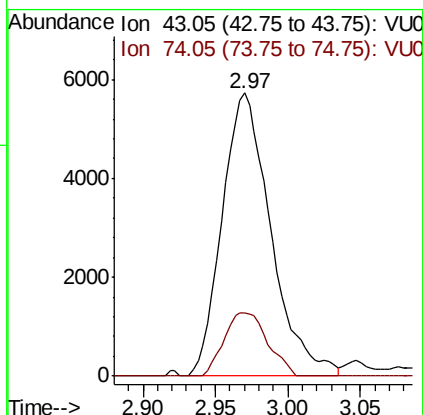
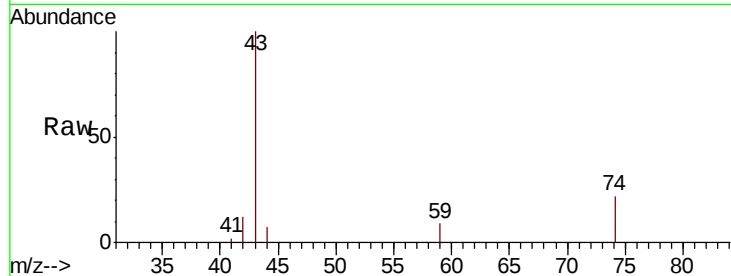




#15
Methvl Acetate
Concen: 4.764 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU041154.D
Acq: 09 Nov 2020 20:45

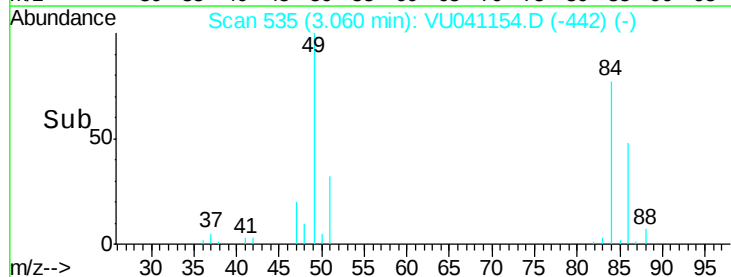
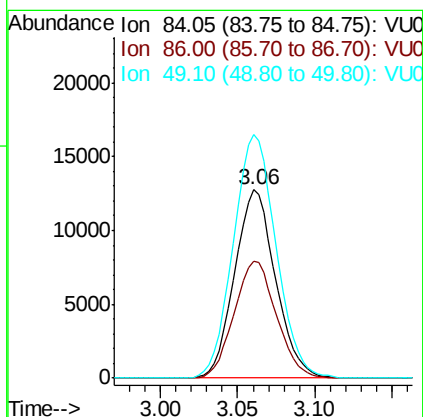
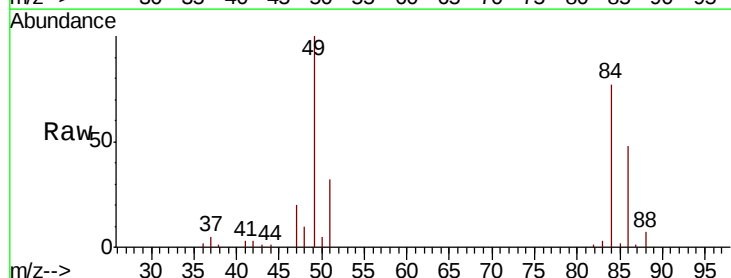
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

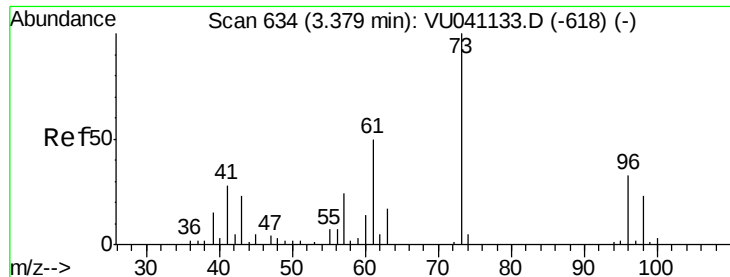
Tot Ion: 43 Resp: 13352
Ion Ratio Lower Upper
43 100
74 20.0 18.3 27.5



#16
Methylene chloride
Concen: 4.396 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041154.D
Acq: 09 Nov 2020 20:45

Tgt Ion: 84 Resp: 23430
Ion Ratio Lower Upper
84 100
86 62.2 42.8 79.6
49 129.5 99.5 184.7

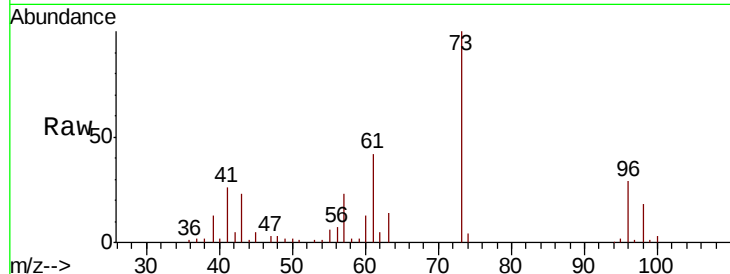




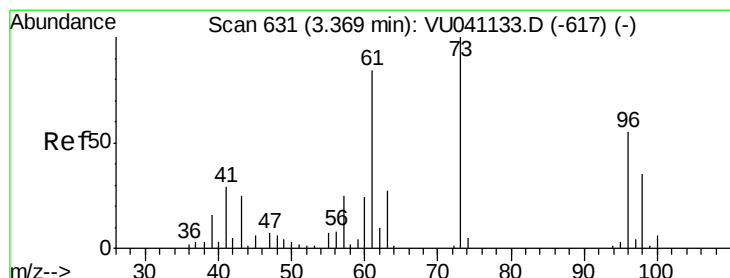
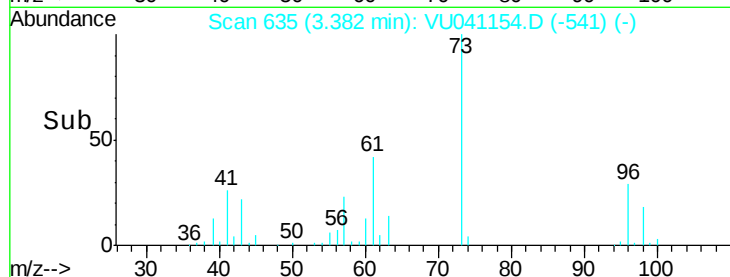
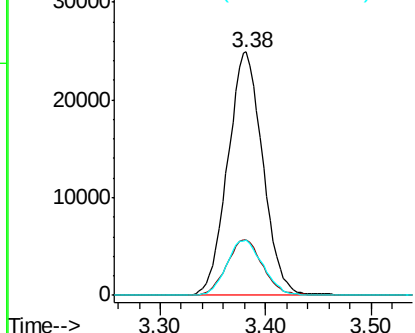
#17
Methvl tert-butvl Ether
Concen: 4.874 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041154.D
Acq: 09 Nov 2020 20:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion: 73 Resp: 57372
Ion Ratio Lower Upper
73 100
43 23.4 18.5 27.7
57 23.3 18.4 27.6

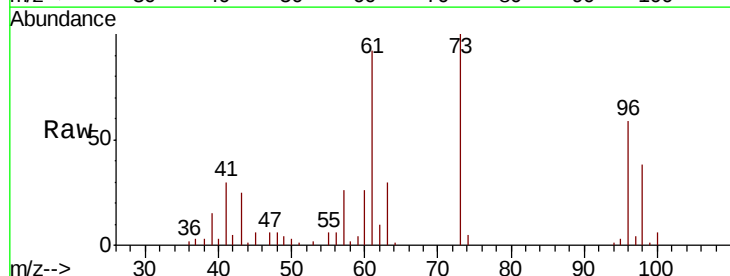


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

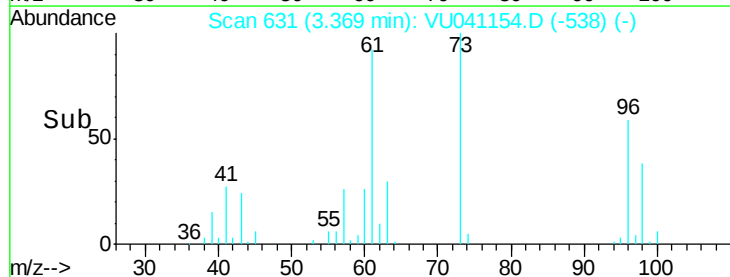
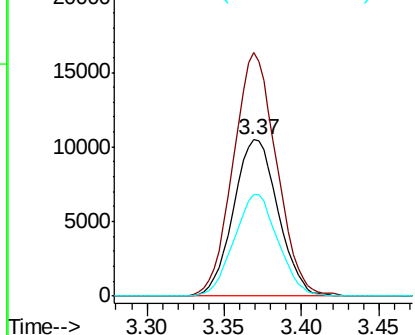


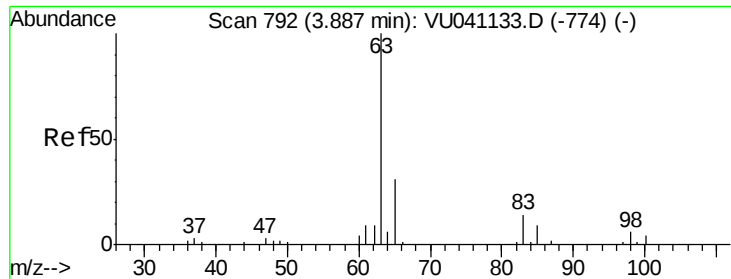
#18
trans-1,2-Dichloroethene
Concen: 4.518 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041154.D
Acq: 09 Nov 2020 20:45

Tgt Ion: 96 Resp: 20999
Ion Ratio Lower Upper
96 100
61 156.1 110.9 205.9
98 65.0 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

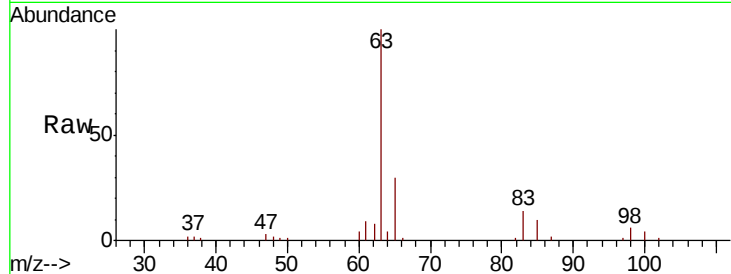




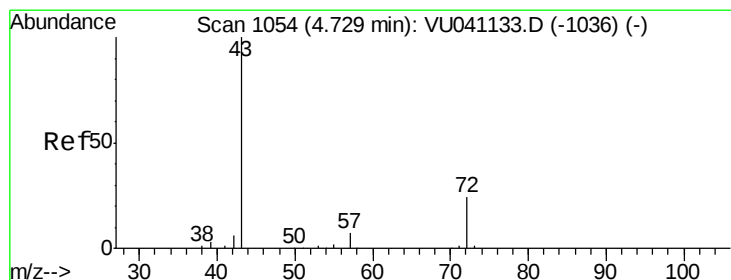
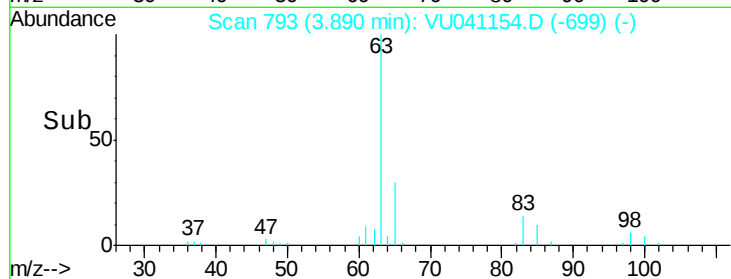
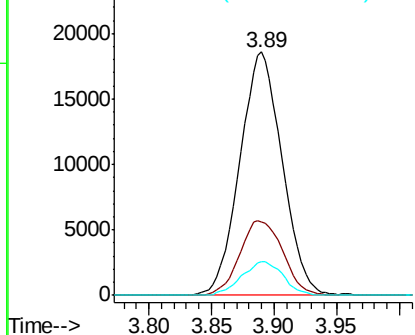
#19
 1,1-Dichloroethane
 Concen: 4.696 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion: 63 Resp: 43642
 Ion Ratio Lower Upper
 63 100
 65 30.1 21.3 39.6
 83 13.8 8.8 16.3

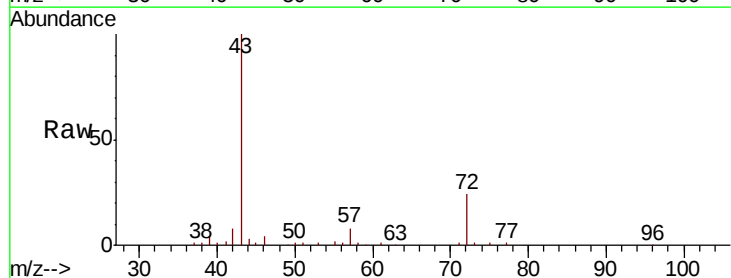


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

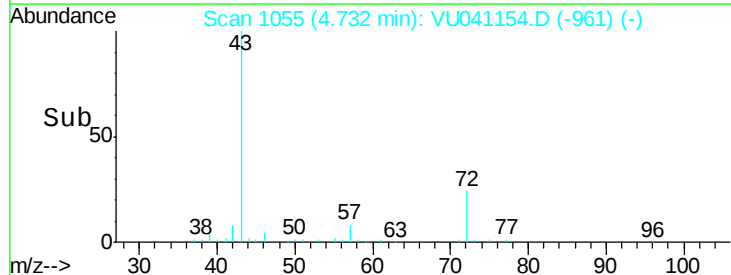
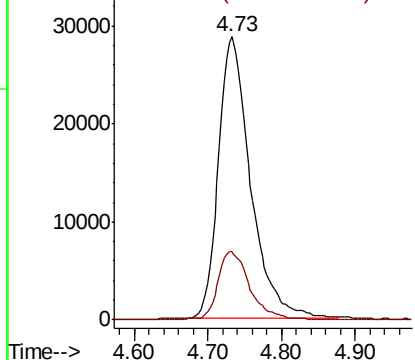


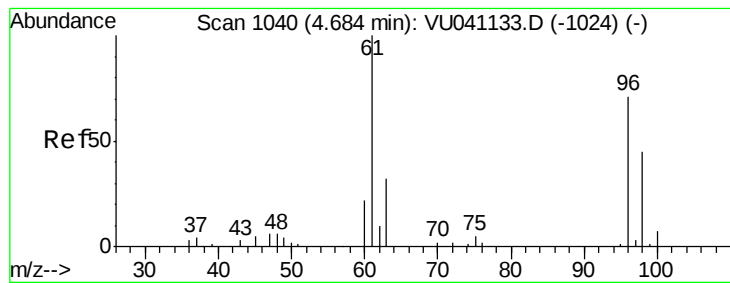
#21
 2-Butanone
 Concen: 45.164 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

Tgt Ion: 43 Resp: 86453
 Ion Ratio Lower Upper
 43 100
 72 24.3 11.8 35.4



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





#22

cis-1,2-Dichloroethene

Concen: 4.898 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

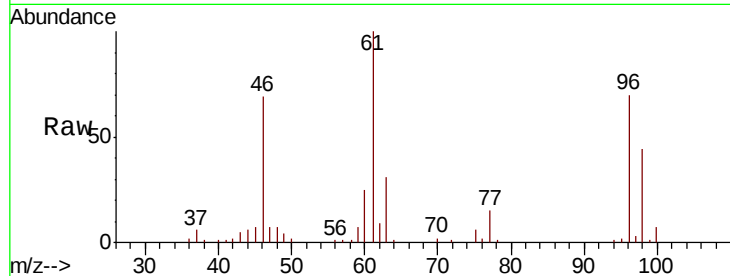
Tot Ion: 96 Resp: 23484

Ion Ratio Lower Upper

96 100

61 142.0 97.2 180.4

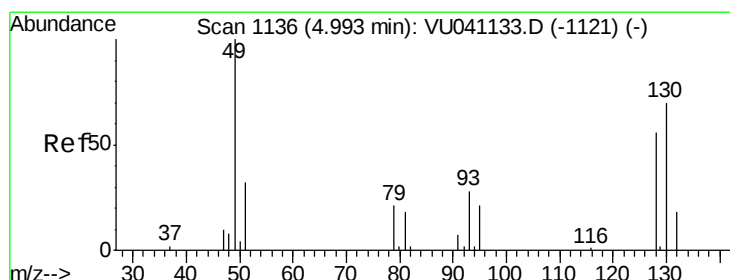
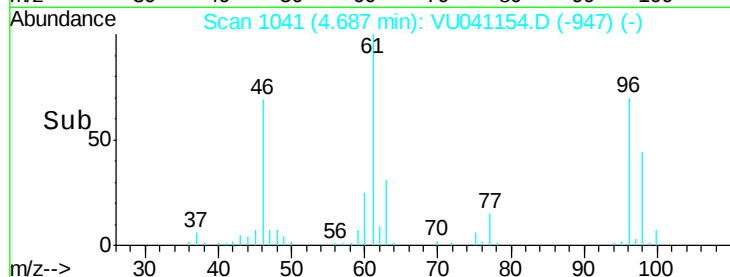
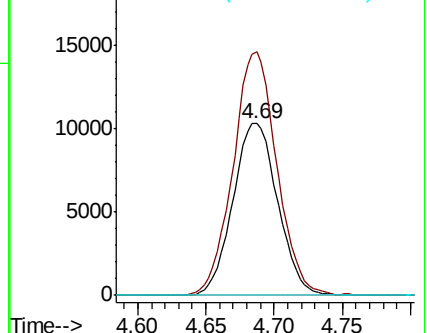
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041154.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041154.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041154.D (-947) (-)



#23

Bromochloromethane

Concen: 5.190 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

Tgt Ion:128 Resp: 11739

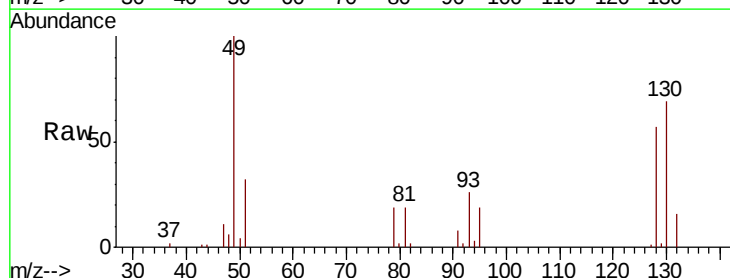
Ion Ratio Lower Upper

128 100

49 176.3 135.0 250.8

130 122.5 89.9 167.0

51 55.7 51.9 77.9

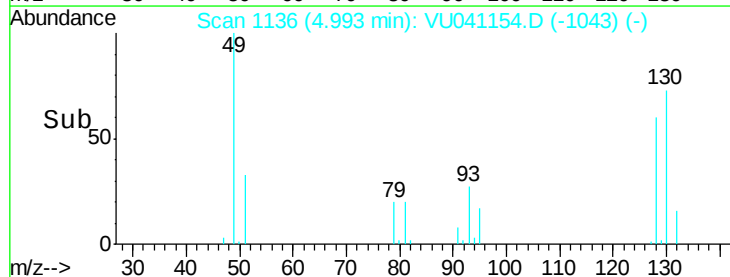
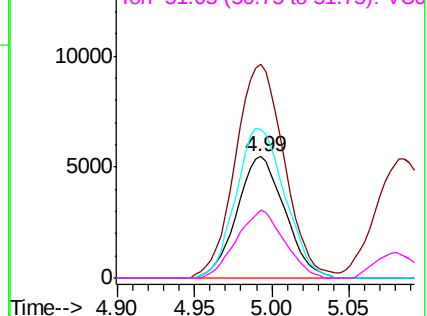


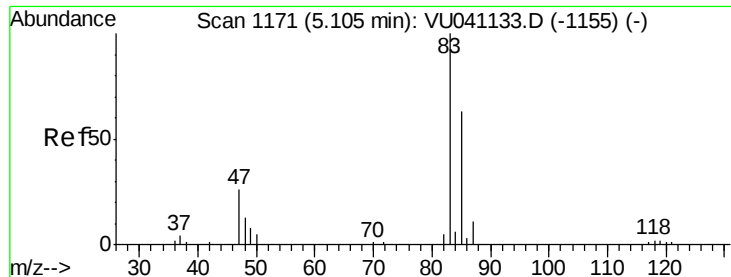
Abundance Ion 127.90 (127.60 to 128.60): VU041154.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU041154.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU041154.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU041154.D (-1043) (-)

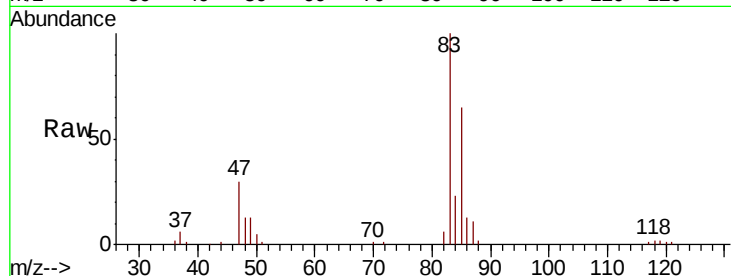




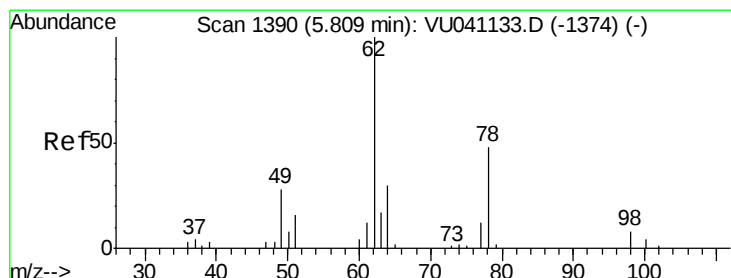
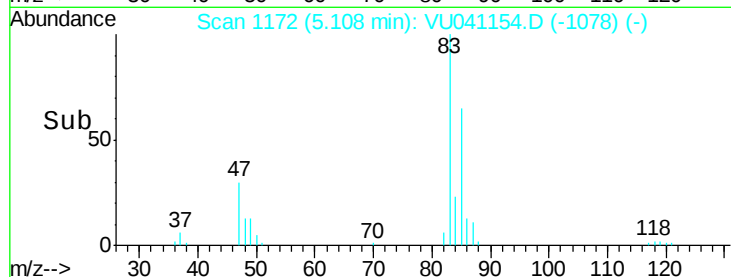
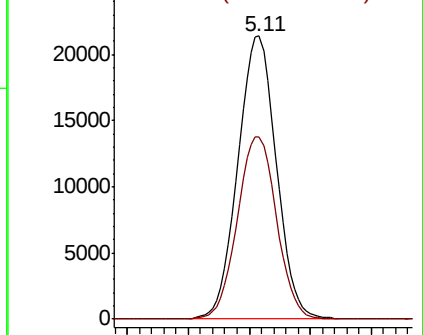
#25
Chloroform
Concen: 5.001 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041154.D
Acq: 09 Nov 2020 20:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion: 83 Resp: 46602
Ion Ratio Lower Upper
83 100
85 64.5 46.1 85.7

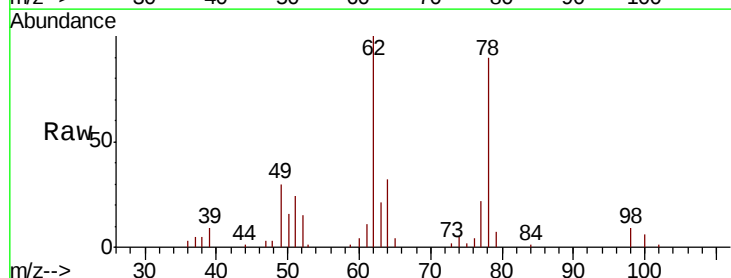


Abundance Ion 83.05 (82.75 to 83.75): VU041133.D (-1155) (-)
Ion 85.00 (84.70 to 85.70): VU041133.D (-1155) (-)

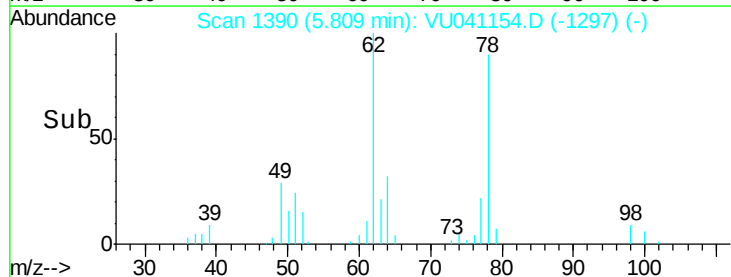
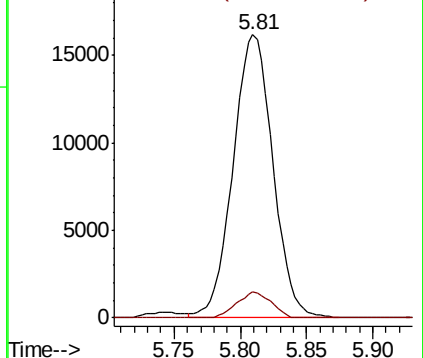


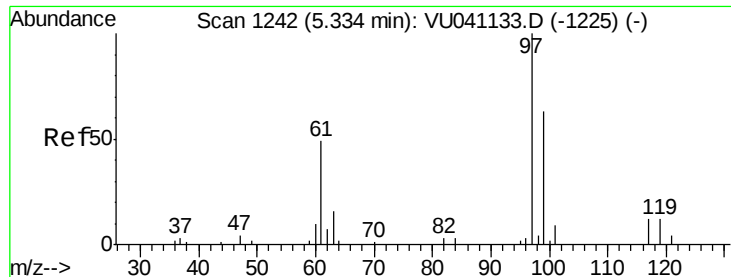
#27
1,2-Dichloroethane
Concen: 4.869 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU041154.D
Acq: 09 Nov 2020 20:45

Tgt Ion: 62 Resp: 33795
Ion Ratio Lower Upper
62 100
98 9.0 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VU041133.D (-1374) (-)
Ion 98.05 (97.75 to 98.75): VU041133.D (-1374) (-)



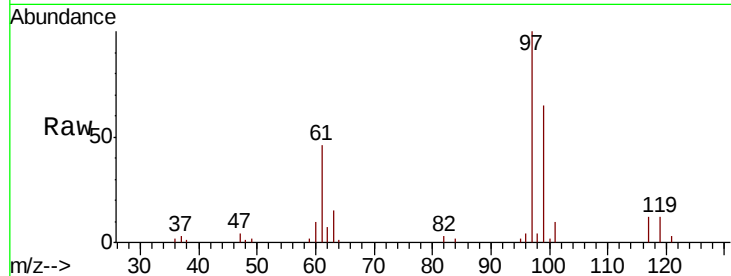


#29
 1,1,1-Trichloroethane
 Concen: 4.959 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

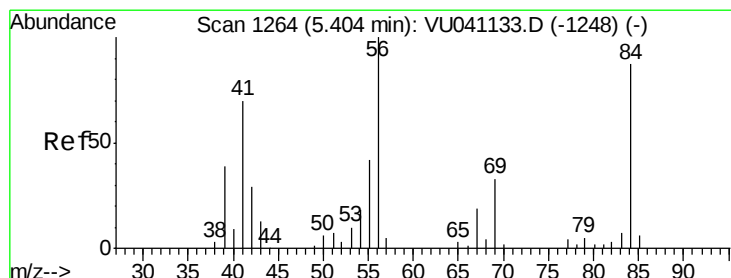
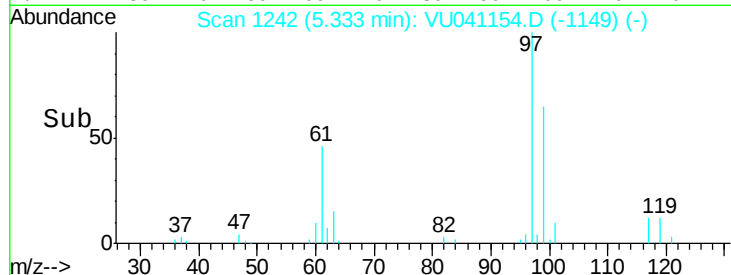
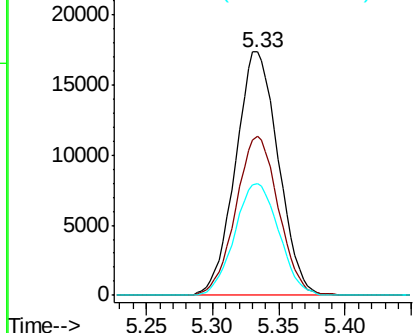
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion: 97 Resp: 39075

Ion	Ratio	Lower	Upper
97	100		
99	65.0	53.4	80.0
61	47.2	41.6	62.4



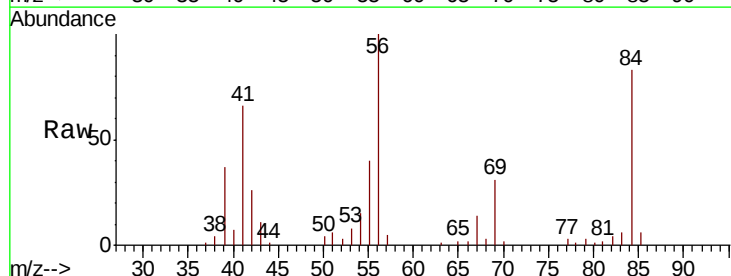
Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0



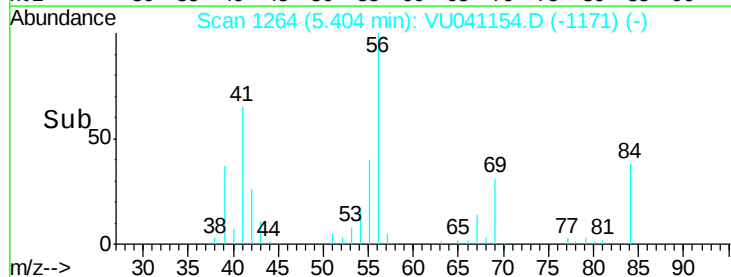
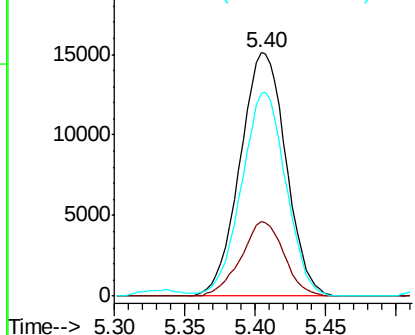
#30
 Cyclohexane
 Concen: 4.426 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

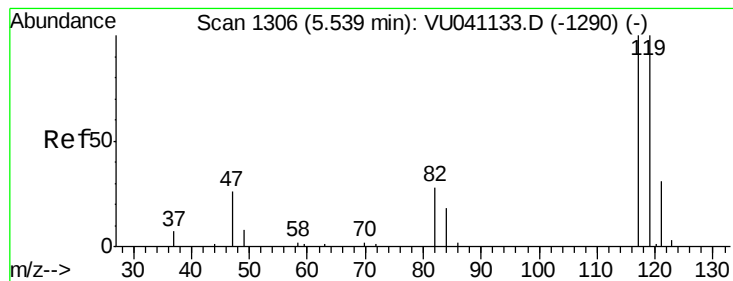
Tgt Ion: 56 Resp: 34358

Ion	Ratio	Lower	Upper
56	100		
69	28.7	22.8	34.2
84	81.2	63.6	95.4



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: 4.952 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

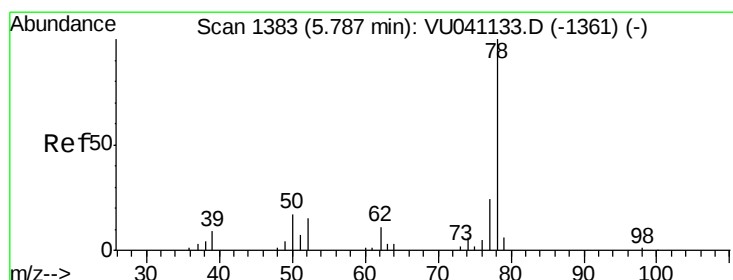
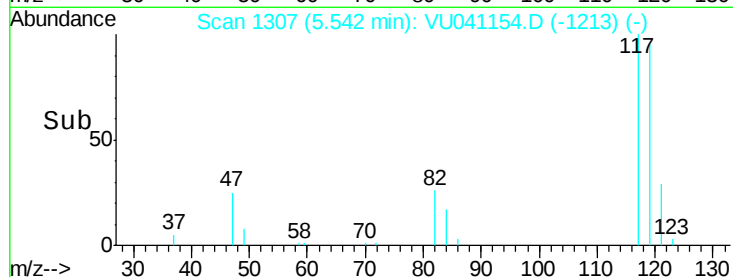
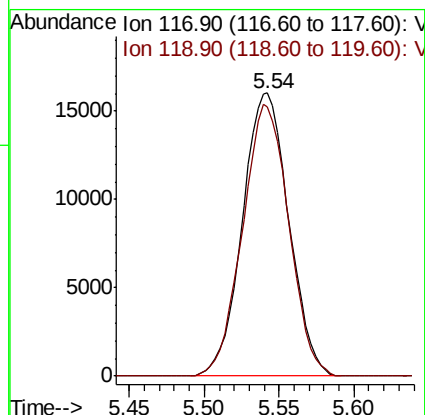
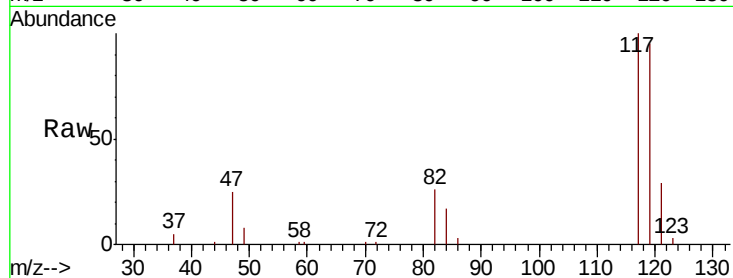
VSTD00522

Tot Ion:117 Resp: 34553

Ion Ratio Lower Upper

117 100

119 95.7 76.1 114.1



#33

Benzene

Concen: 4.845 ug/L

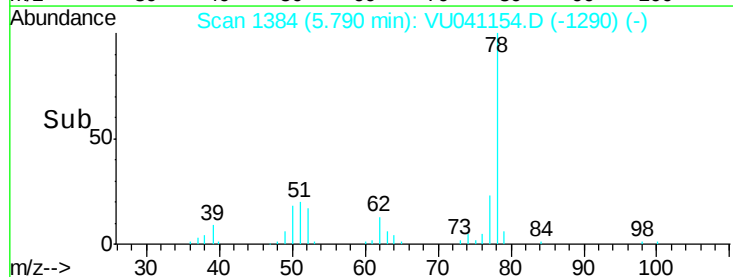
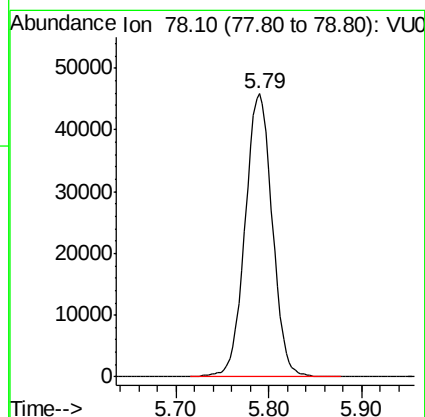
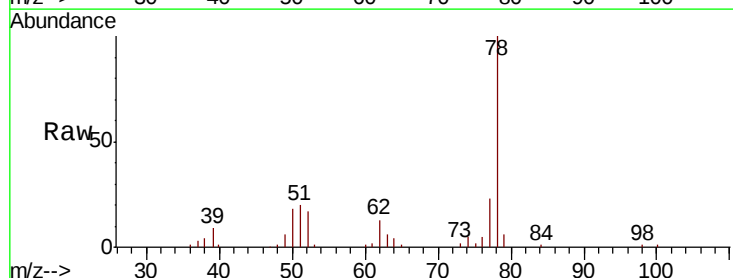
RT: 5.79 min Scan# 1384

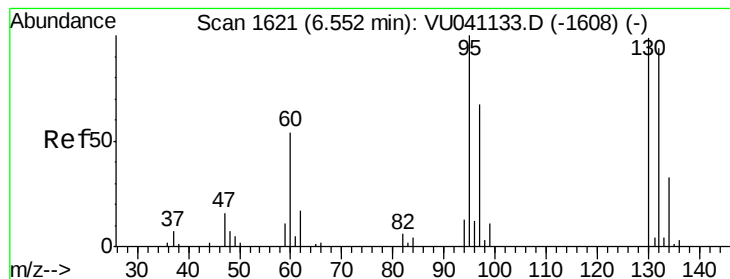
Delta R.T. 0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

Tgt Ion: 78 Resp: 93262





#34

Trichloroethene

Concen: 5.181 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

Tot Ion: 95 Resp: 25380

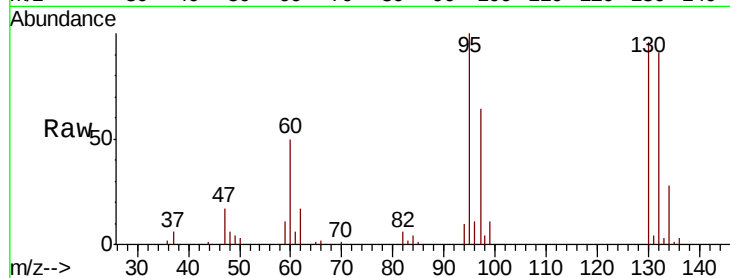
Ion Ratio Lower Upper

95 100

97 63.7 45.6 84.6

132 90.8 64.8 120.4

130 96.2 64.8 120.4

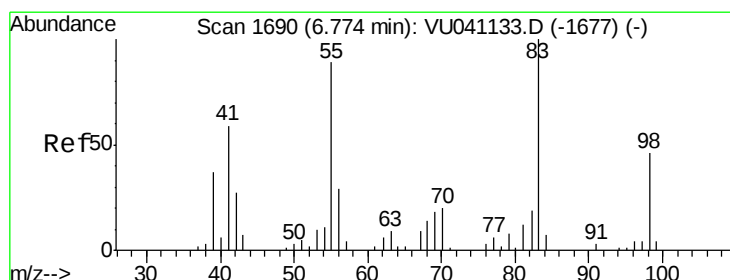
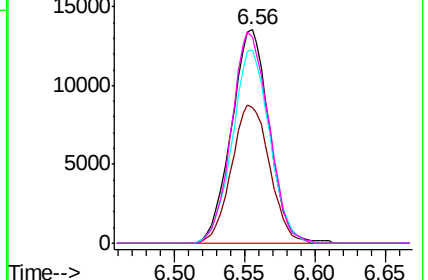
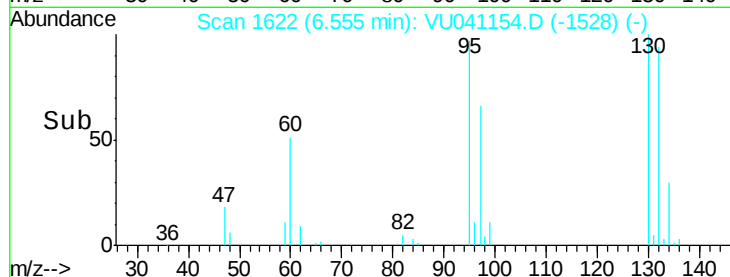


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.432 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

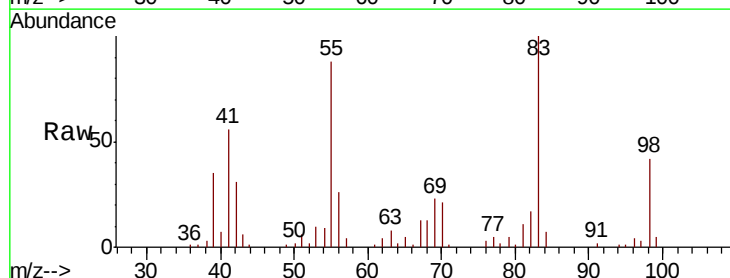
Tgt Ion: 83 Resp: 32384

Ion Ratio Lower Upper

83 100

55 88.5 72.0 108.0

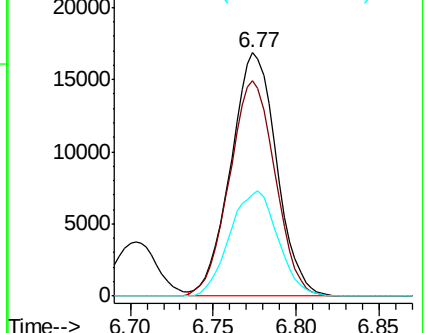
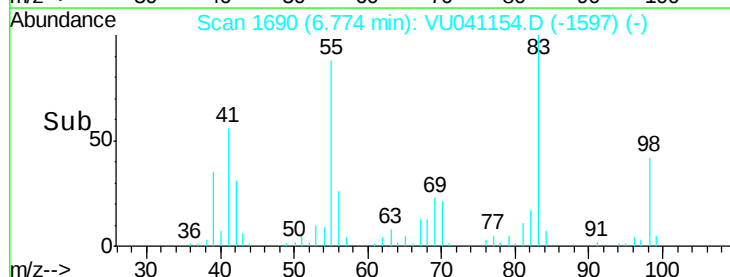
98 45.4 36.6 55.0

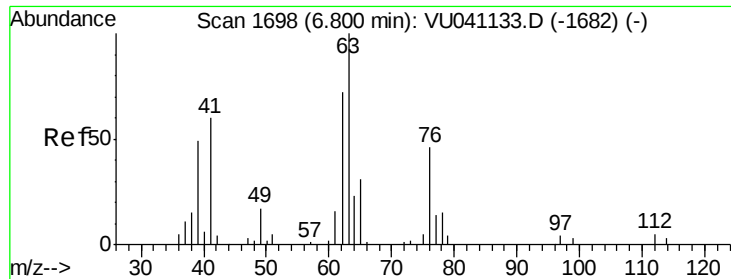


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

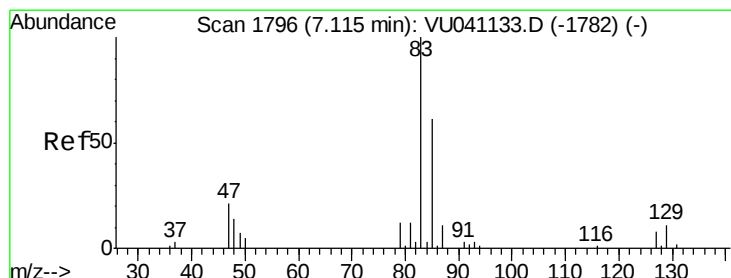
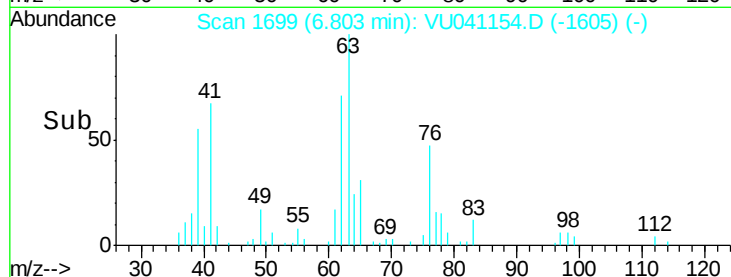
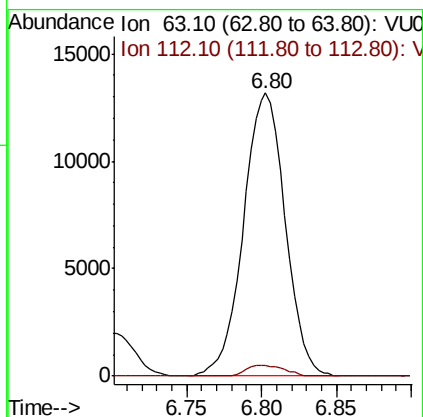
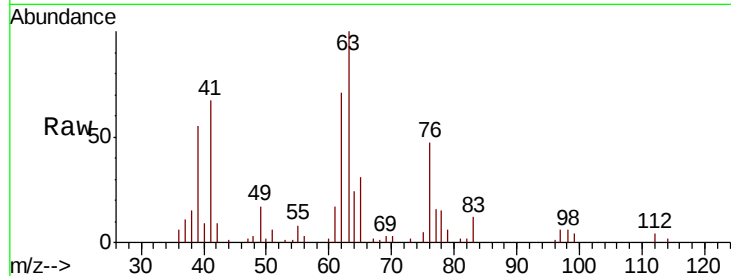




#37
 1,2-Dichloropropane
 Concen: 4.905 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

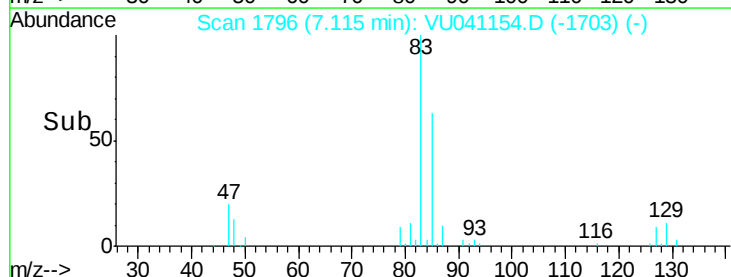
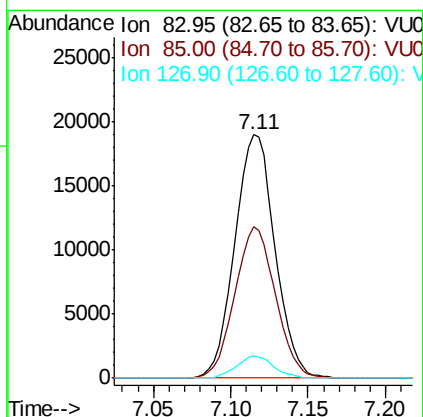
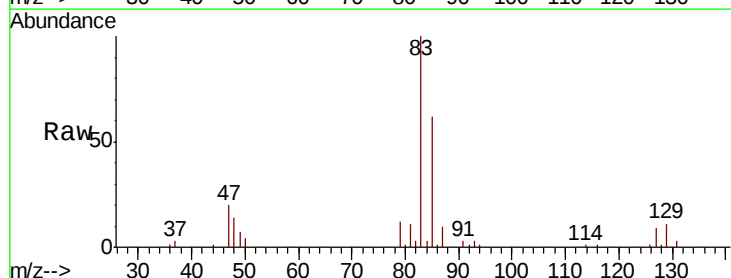
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00522

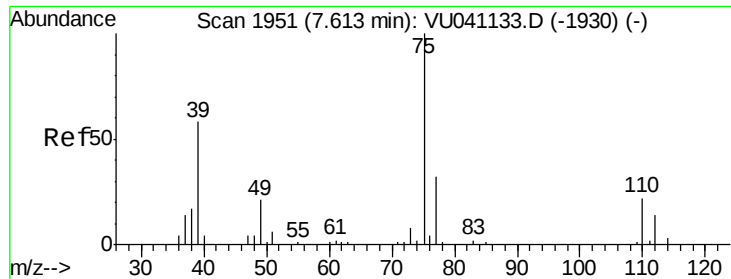
Tot Ion: 63 Resp: 25549
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 5.078 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

Tgt Ion: 83 Resp: 34308
 Ion Ratio Lower Upper
 83 100
 85 62.0 43.3 80.3
 127 9.0 5.9 8.9#

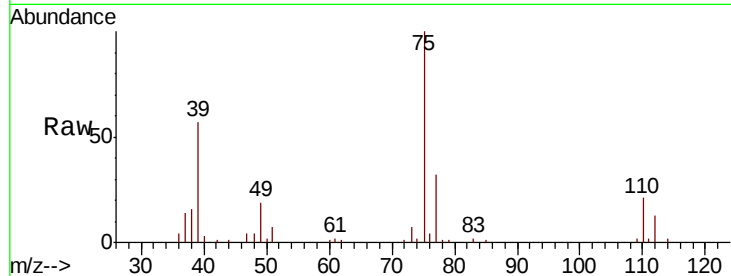




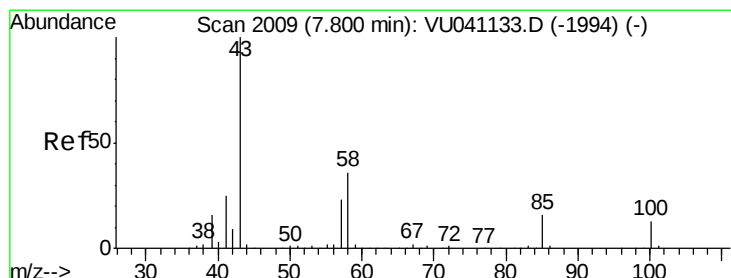
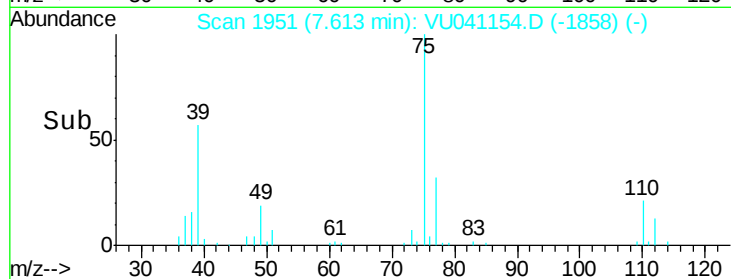
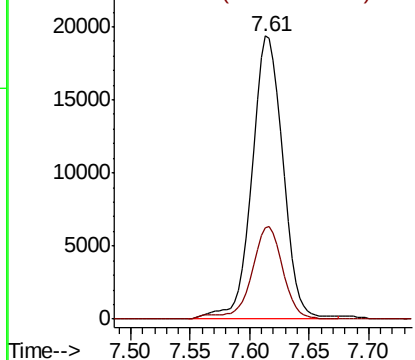
#39
 cis-1,3-Dichloropropene
 Concen: 4.889 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion: 75 Resp: 35062
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.7 42.3

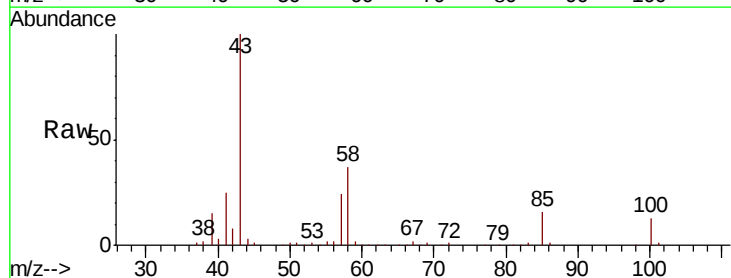


Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

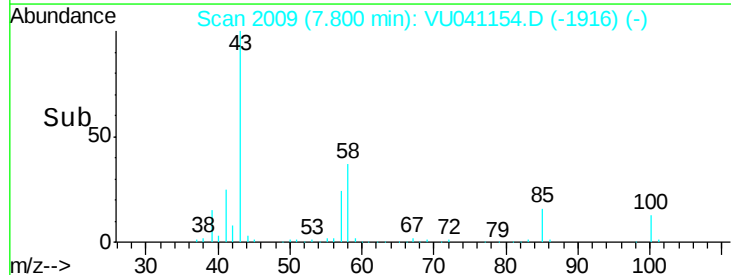
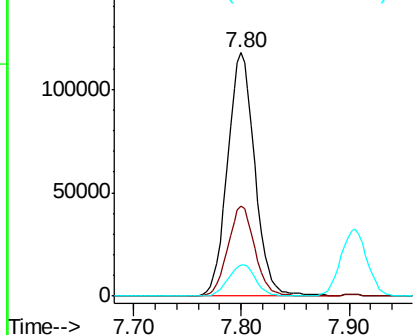


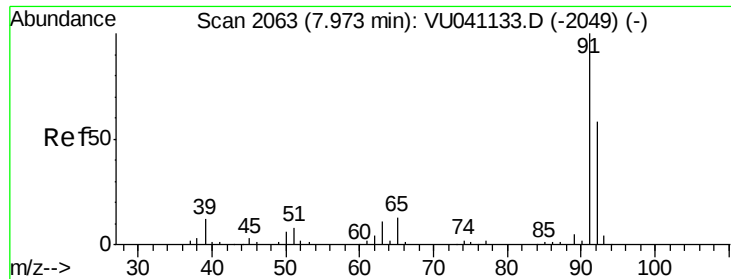
#40
 4-Methyl-2-pentanone
 Concen: 49.938 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

Tgt Ion: 43 Resp: 207395
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.8 44.6
 100 12.9 10.5 15.7



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 5.038 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

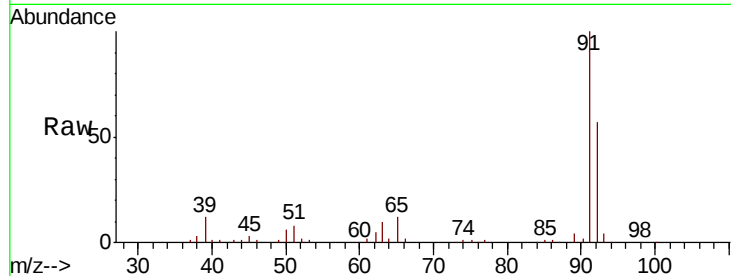
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion: 91 Resp: 98350

Ion Ratio Lower Upper

91 100

92 56.9 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041133.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041133.D (-2049) (-)

7.98

60000

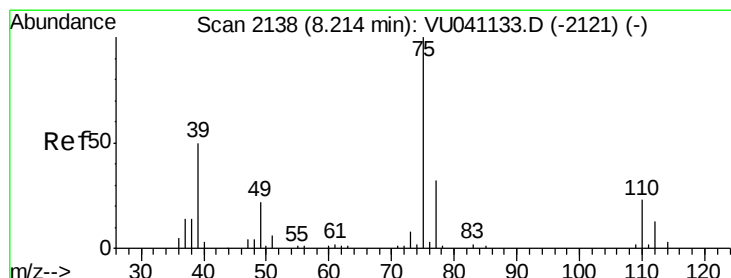
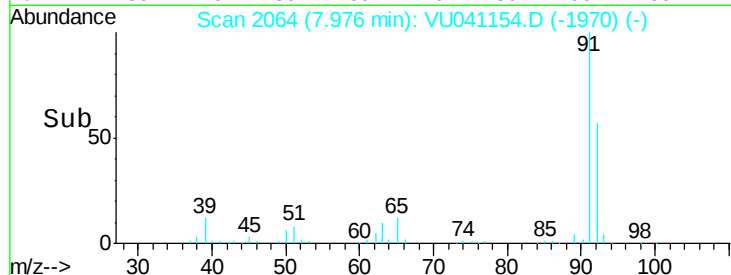
40000

20000

0

Time-->

7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 4.988 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041154.D

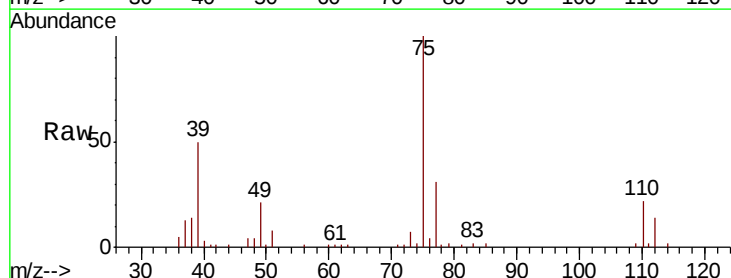
Acq: 09 Nov 2020 20:45

Tgt Ion: 75 Resp: 33477

Ion Ratio Lower Upper

75 100

77 30.8 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041133.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041133.D (-2121) (-)

8.21

20000

15000

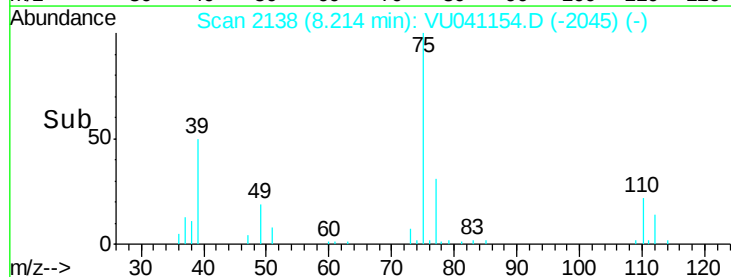
10000

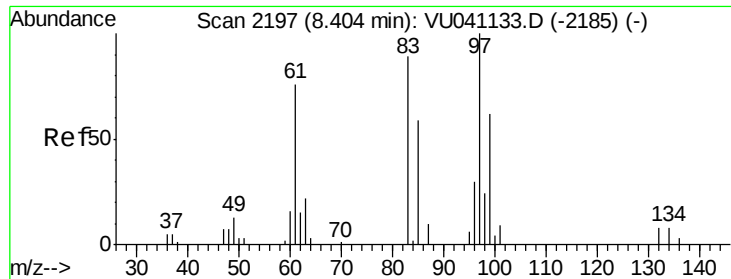
5000

0

Time-->

8.15 8.20 8.25

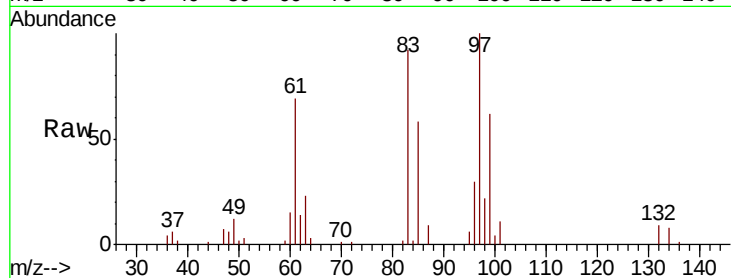




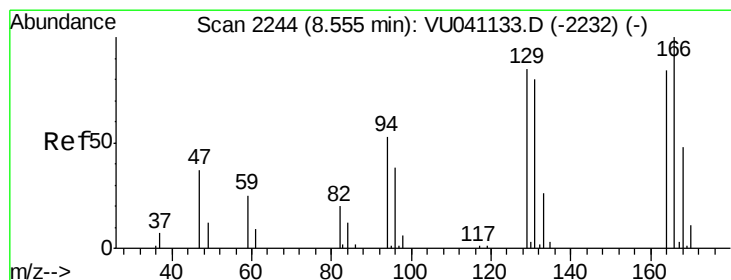
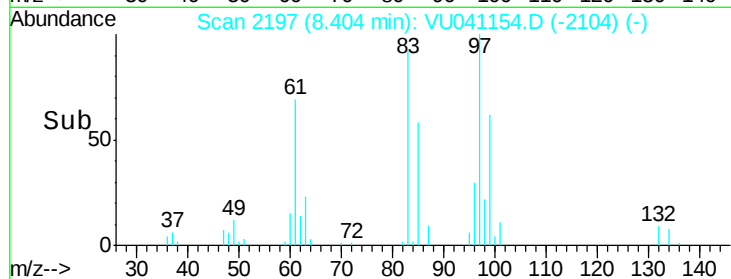
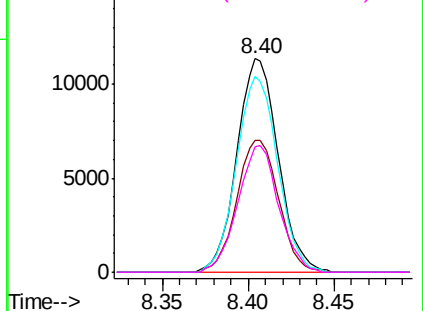
#45
 1,1,2-Trichloroethane
 Concen: 4.901 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion:	97	Resp:	19002
Ion	Ratio	Lower	Upper
97	100		
99	62.0	45.8	85.2
83	91.6	67.9	126.1
85	58.4	42.8	79.6

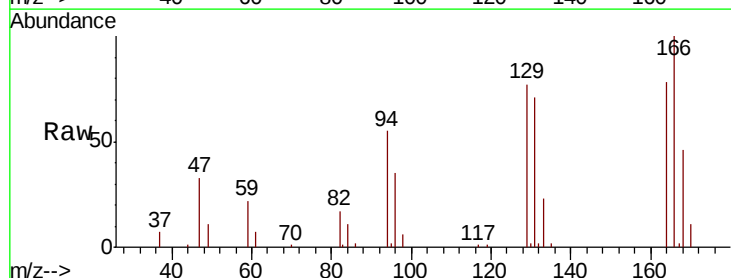


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

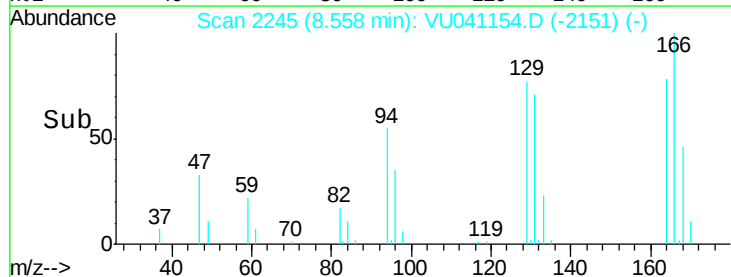
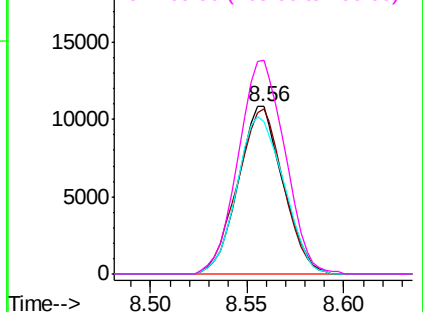


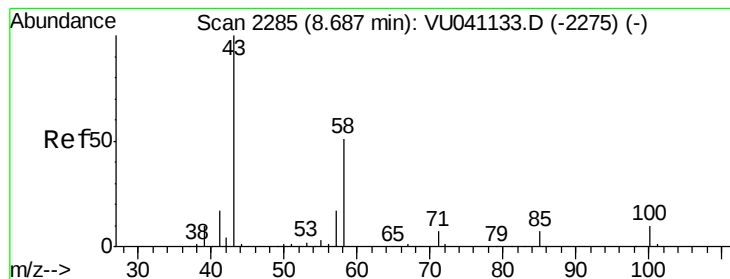
#47
 Tetrachloroethene
 Concen: 4.865 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

Tgt Ion:	164	Resp:	17525
Ion	Ratio	Lower	Upper
164	100		
129	98.5	70.3	130.7
131	91.1	70.8	131.4
166	127.6	92.0	170.8



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: 50.180 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

Tot Ion: 43 Resp: 156917

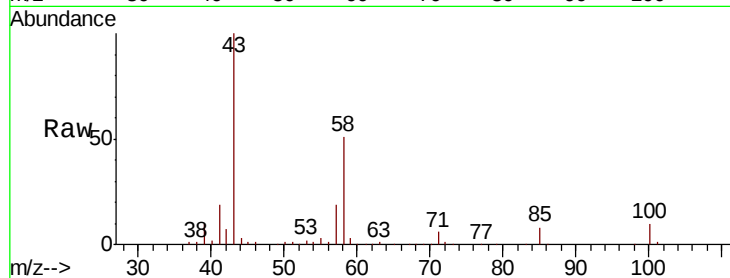
Ion Ratio Lower Upper

43 100

58 49.9 41.4 62.2

57 17.9 14.6 21.8

100 9.7 8.3 12.5

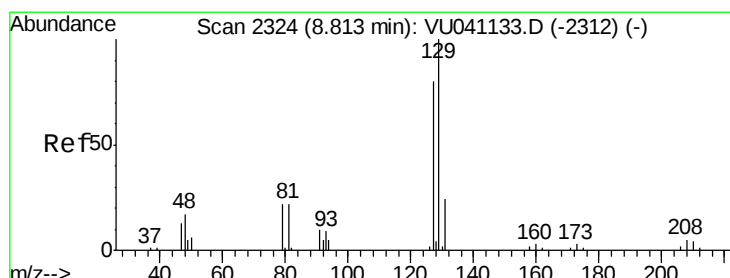
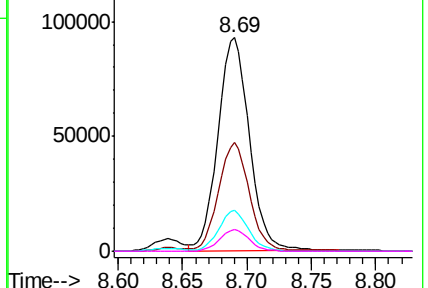
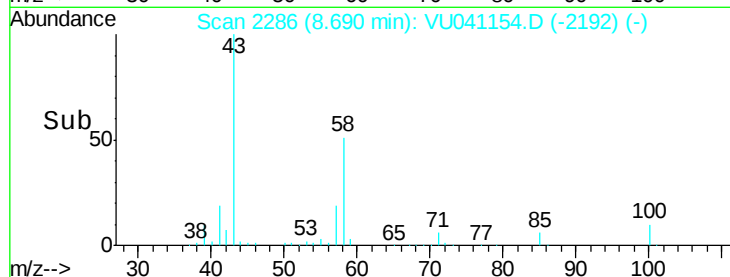


Abundance Ion 43.05 (42.75 to 43.75): VU041154.D (-2192) (-)

Ion 58.05 (57.75 to 58.75): VU041154.D (-2192) (-)

Ion 57.20 (56.90 to 57.90): VU041154.D (-2192) (-)

Ion 100.15 (99.85 to 100.85): VU041154.D (-2192) (-)



#49

Dibromochloromethane

Concen: 5.235 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU041154.D

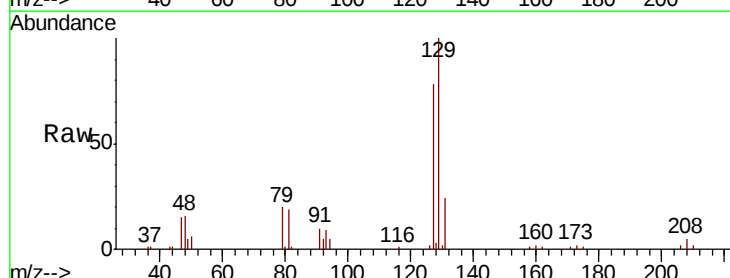
Acq: 09 Nov 2020 20:45

Tgt Ion: 129 Resp: 23571

Ion Ratio Lower Upper

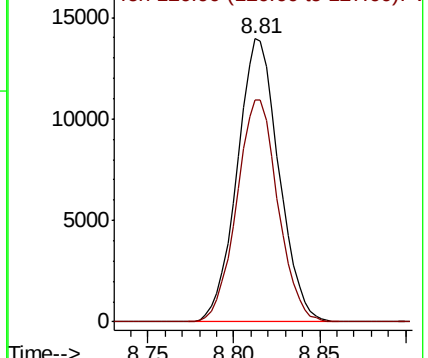
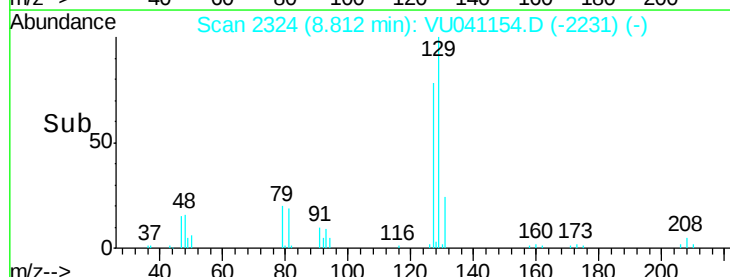
129 100

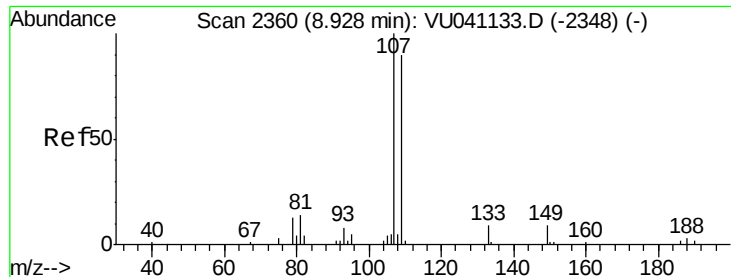
127 78.5 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041154.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU041154.D (-2231) (-)

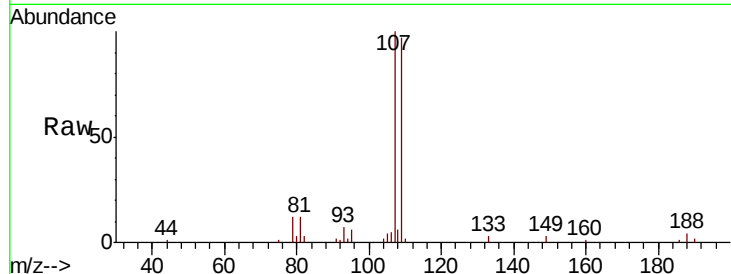




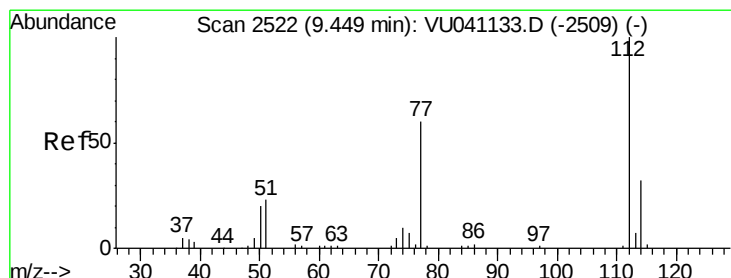
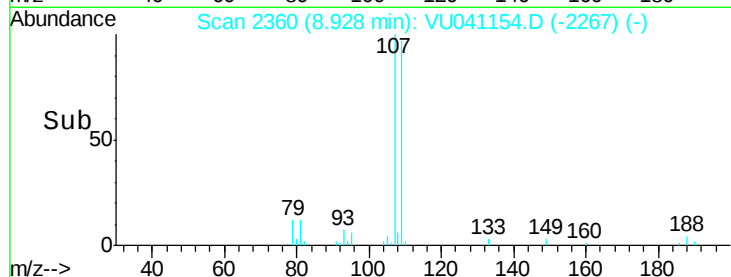
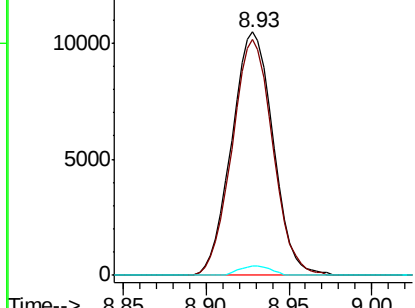
#50
 1,2-Dibromoethane
 Concen: 4.936 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion:107 Resp: 18237
 Ion Ratio Lower Upper
 107 100
 109 96.7 65.6 121.8
 188 4.0 2.9 4.3

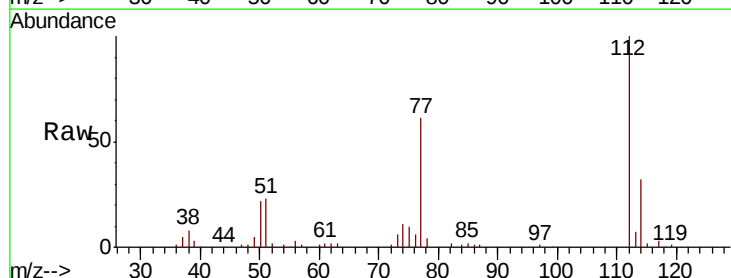


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

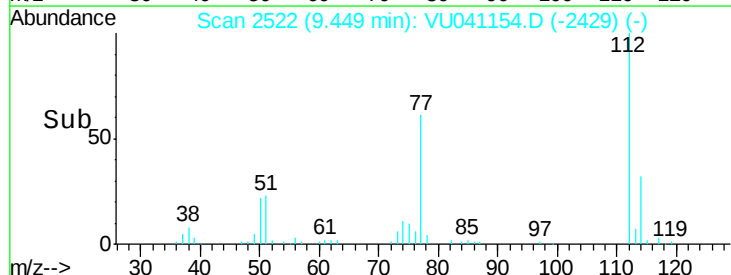
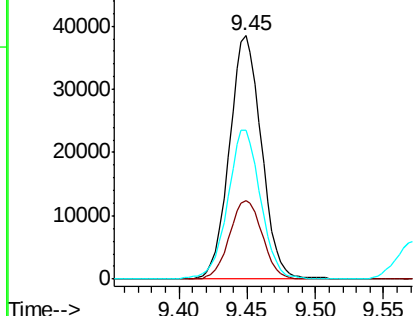


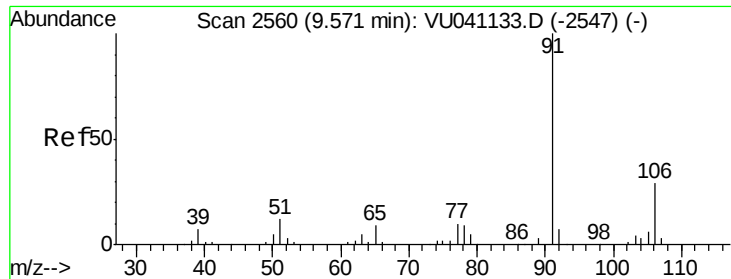
#51
 Chlorobenzene
 Concen: 5.084 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

Tgt Ion:112 Resp: 62923
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.4 41.6
 77 61.2 51.2 76.8



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: 4.981 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

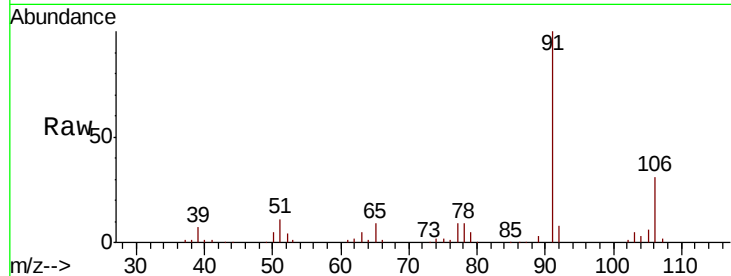
VSTD00522

Tot Ion: 91 Resp: 102335

Ion Ratio Lower Upper

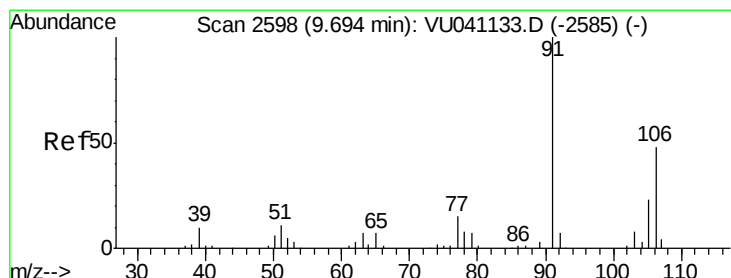
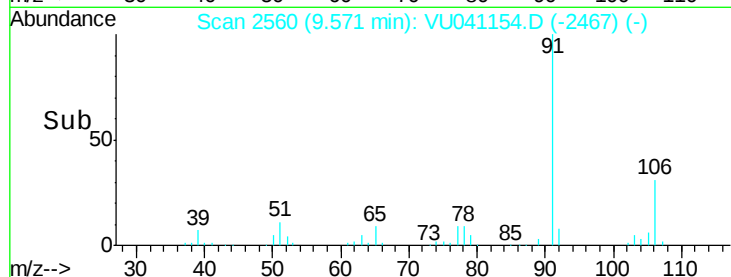
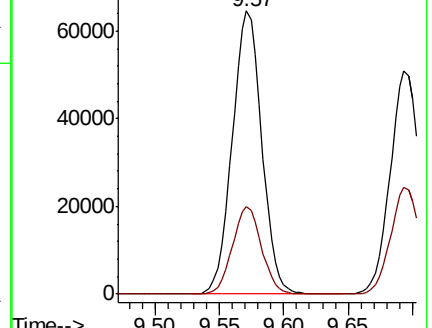
91 100

106 30.9 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041133.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU041133.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.221 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041154.D

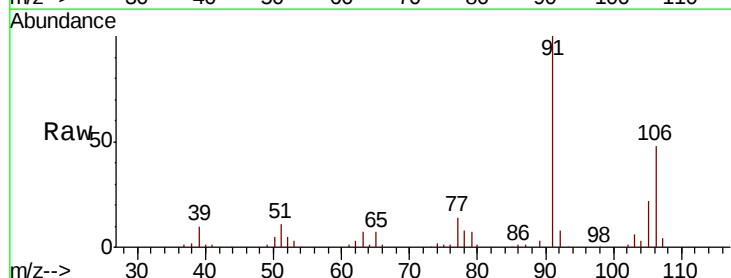
Acq: 09 Nov 2020 20:45

Tgt Ion: 106 Resp: 39121

Ion Ratio Lower Upper

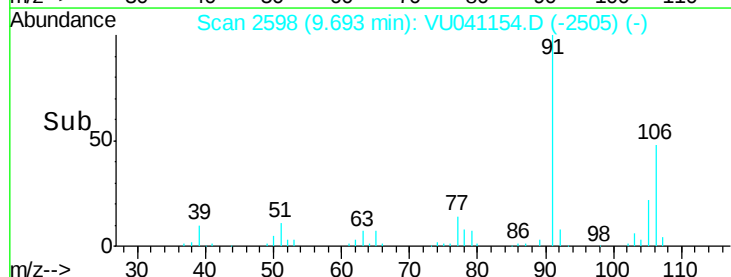
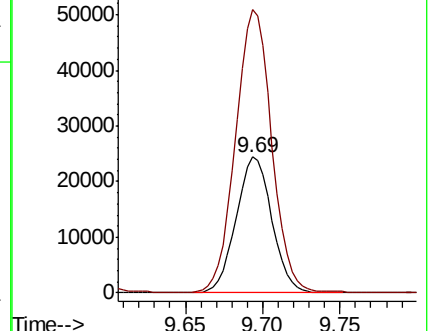
106 100

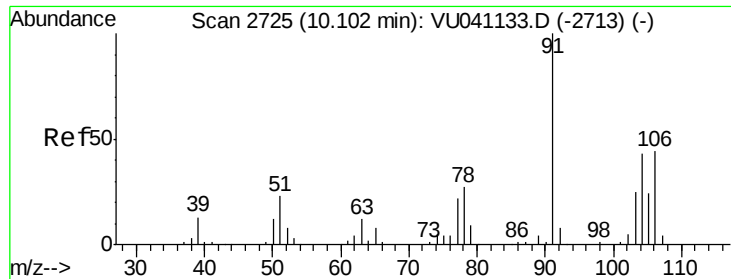
91 208.8 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041133.D (-2585) (-)

Ion 91.15 (90.85 to 91.85): VU041133.D (-2585) (-)

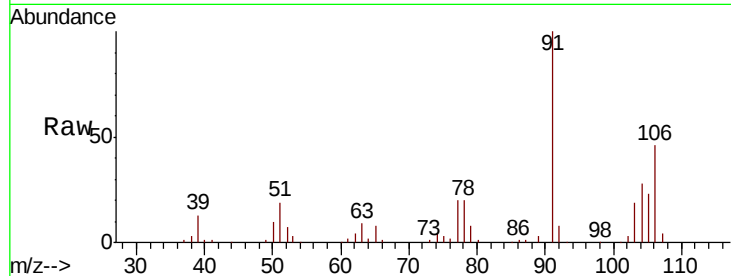




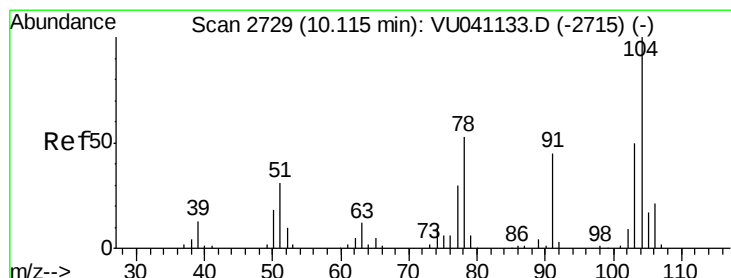
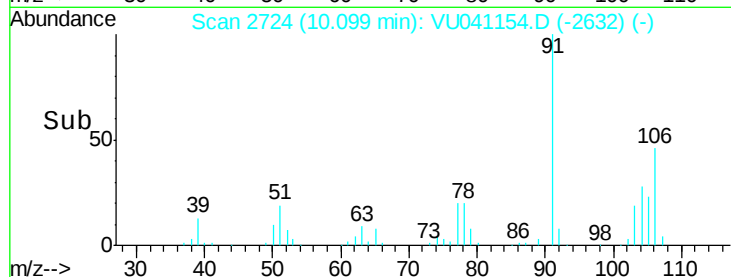
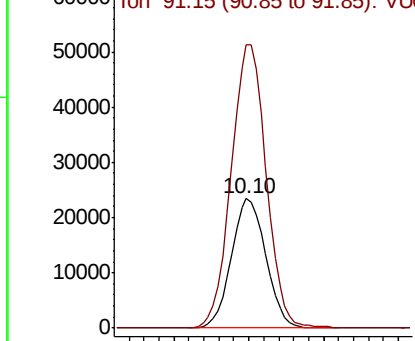
#54
o-Xylene
Concen: 5.393 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041154.D
Acq: 09 Nov 2020 20:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion:106 Resp: 37635
Ion Ratio Lower Upper
106 100
91 218.8 154.3 286.5

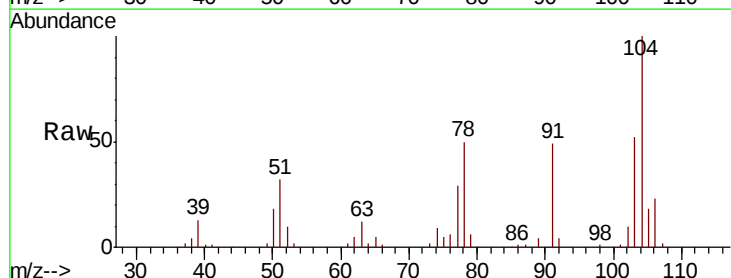


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

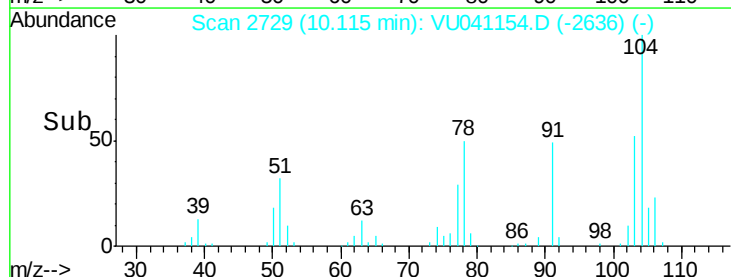
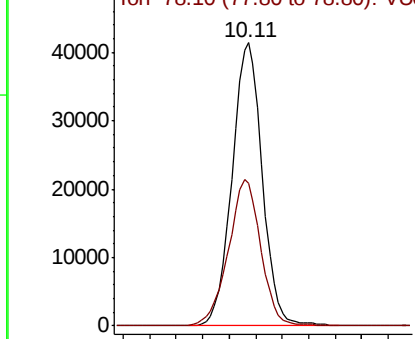


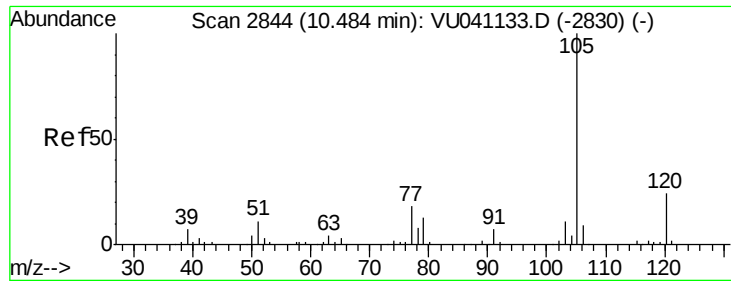
#55
Styrene
Concen: 5.260 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041154.D
Acq: 09 Nov 2020 20:45

Tgt Ion:104 Resp: 65404
Ion Ratio Lower Upper
104 100
78 50.4 35.5 65.9



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





#56

Isopropylbenzene

Concen: 5.397 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

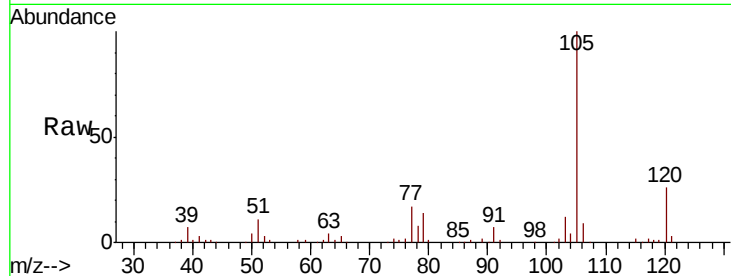
Tot Ion:105 Resp: 101273

Ion Ratio Lower Upper

105 100

120 25.3 20.7 31.1

77 17.4 13.8 20.6

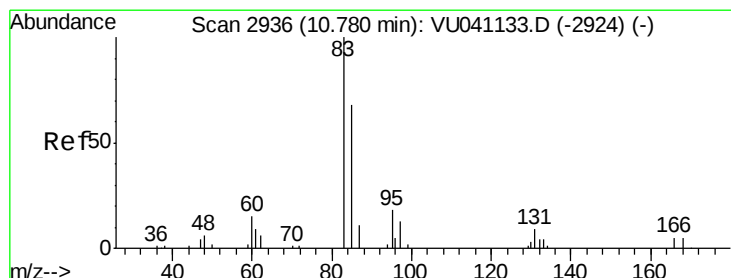
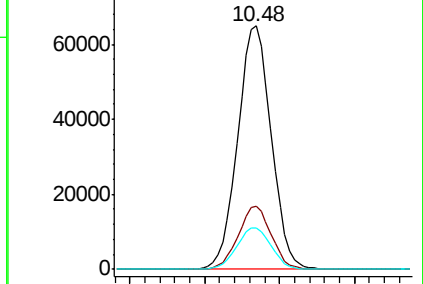
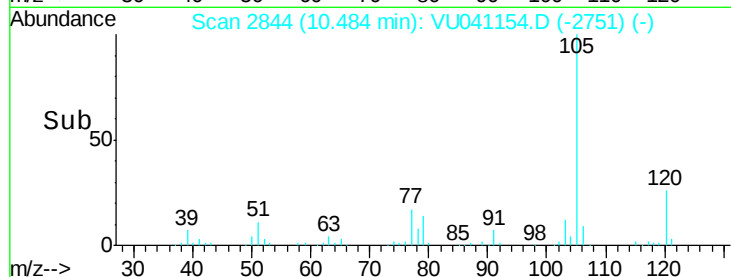


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 4.860 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

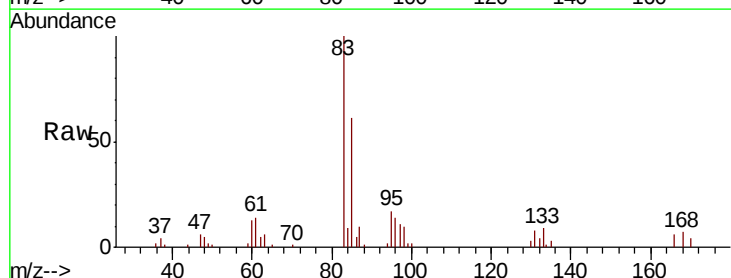
Tgt Ion: 83 Resp: 24751

Ion Ratio Lower Upper

83 100

85 61.0 44.4 82.4

131 8.2 7.7 11.5

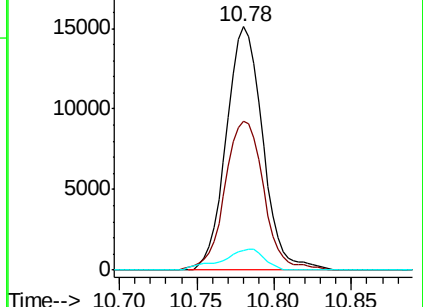
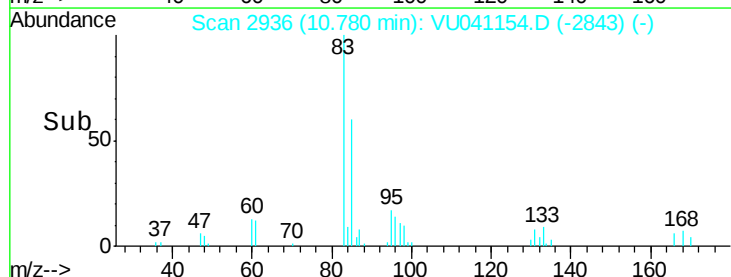


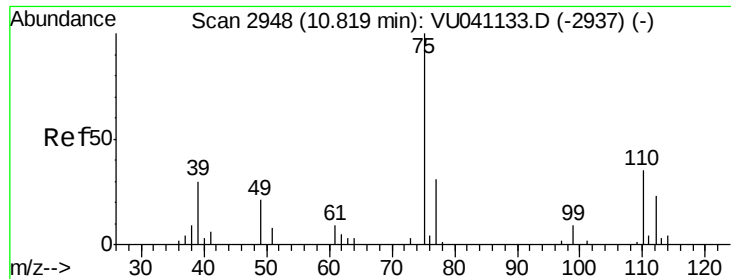
Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

Time-->





#59

1,2,3-Trichloropropane

Concen: 4.994 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

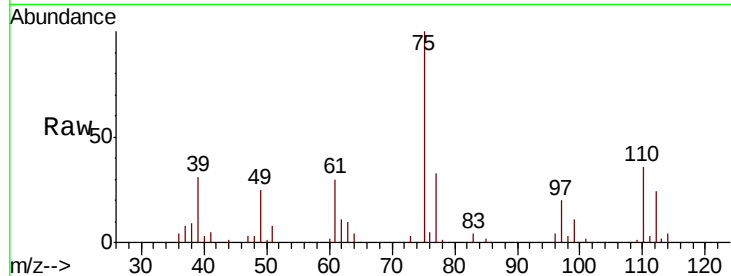
VSTD00522

Tot Ion: 75 Resp: 19388

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041133.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041133.D (-2937) (-)

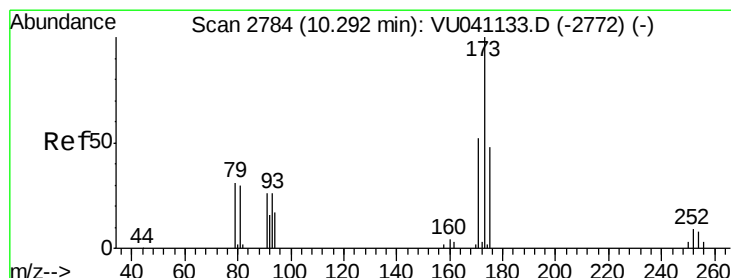
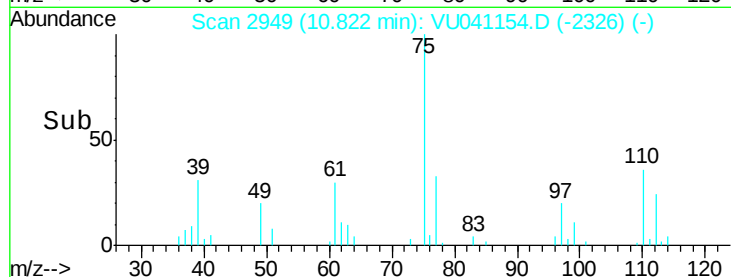
10.82

10000

5000

0

Time-->



#61

Bromoform

Concen: 5.185 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

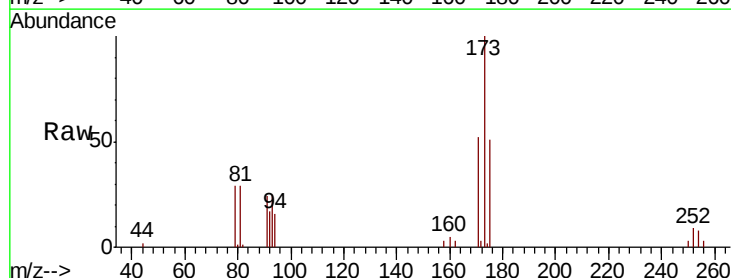
Tgt Ion: 173 Resp: 13601

Ion Ratio Lower Upper

173 100

175 48.0 37.6 56.4

254 7.8 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU041133.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041133.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041133.D (-2772) (-)

10.29

10000

8000

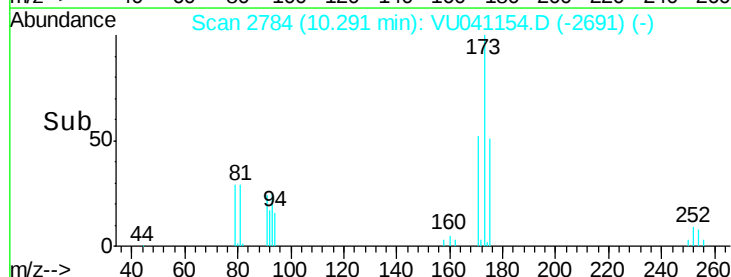
6000

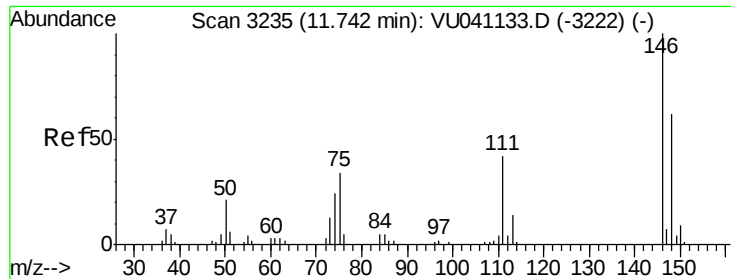
4000

2000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.269 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

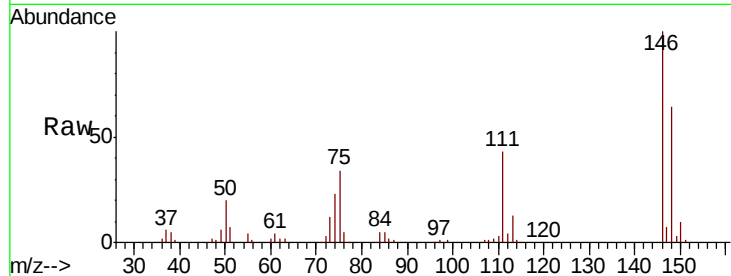
Tot Ion:146 Resp: 51768

Ion Ratio Lower Upper

146 100

111 43.4 30.9 57.3

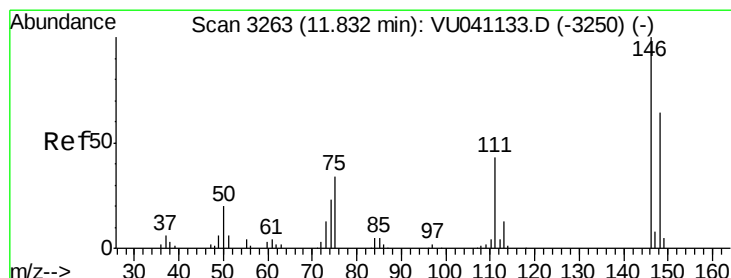
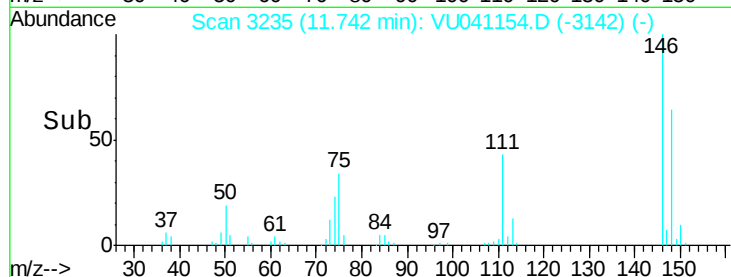
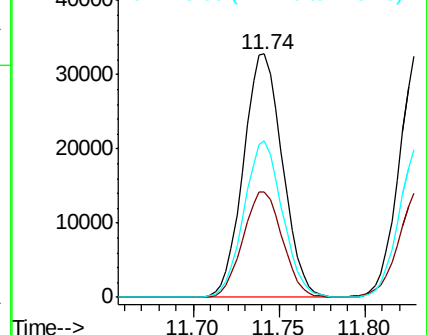
148 64.2 45.8 85.2



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



#63

1,4-Dichlorobenzene

Concen: 5.103 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

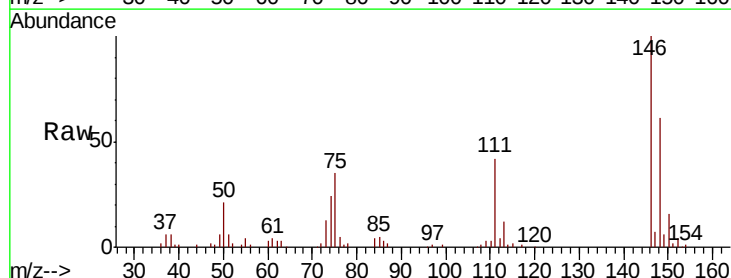
Tgt Ion:146 Resp: 51928

Ion Ratio Lower Upper

146 100

111 41.8 28.3 52.7

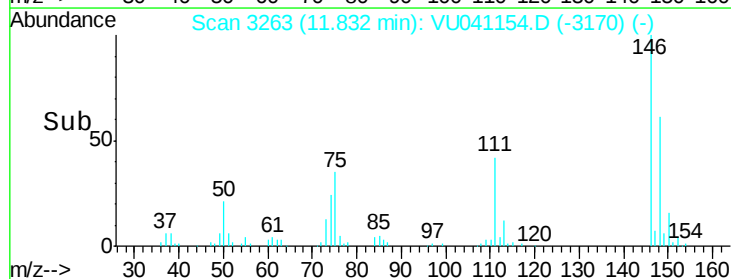
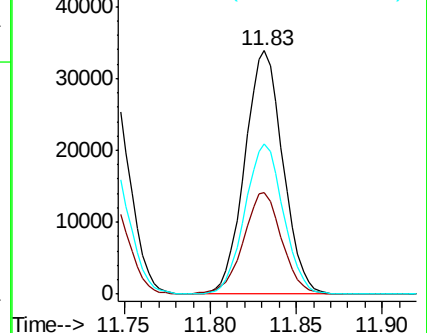
148 61.5 44.2 82.2

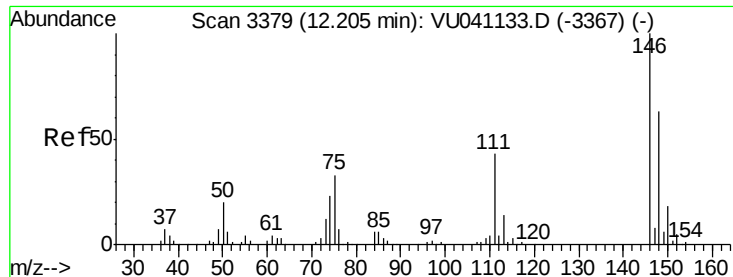


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.014 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

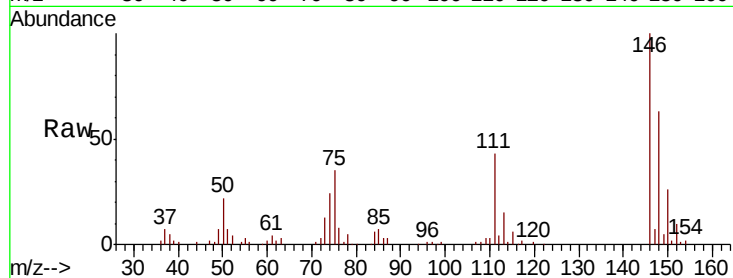
Tot Ion:146 Resp: 48613

Ion Ratio Lower Upper

146 100

111 42.5 35.0 52.6

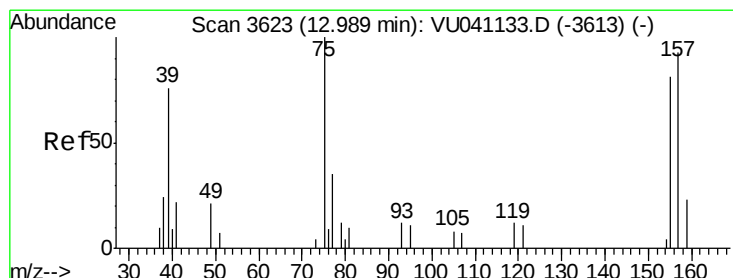
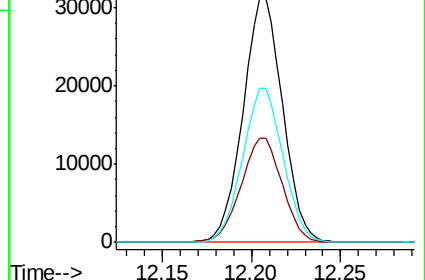
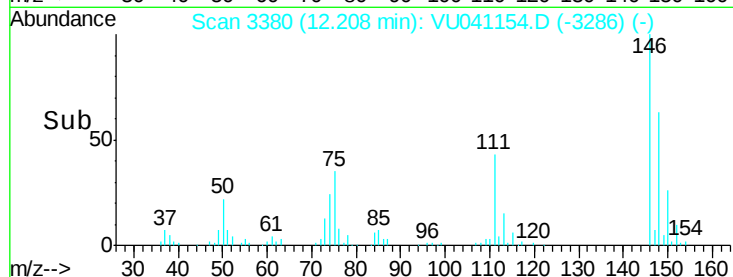
148 63.4 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.011 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

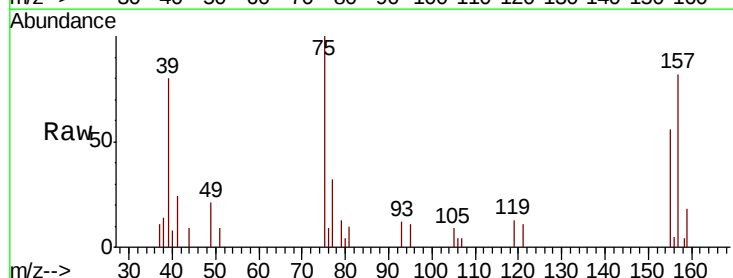
Tgt Ion: 75 Resp: 4762

Ion Ratio Lower Upper

75 100

155 55.9 61.4 92.2#

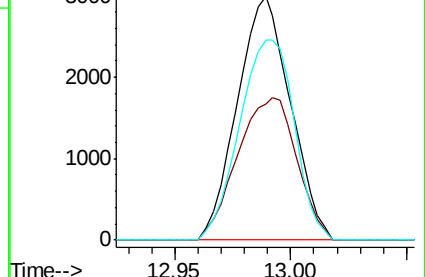
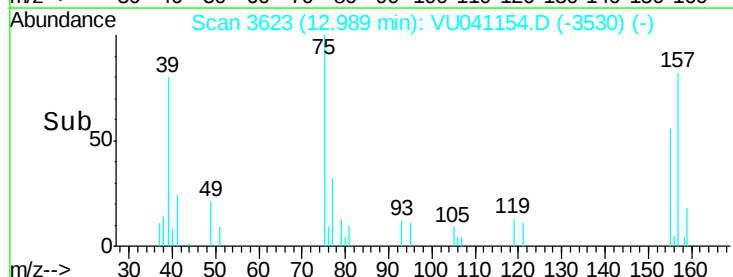
157 82.0 74.2 111.4

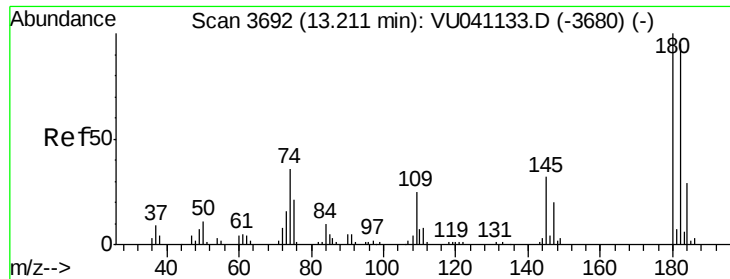


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

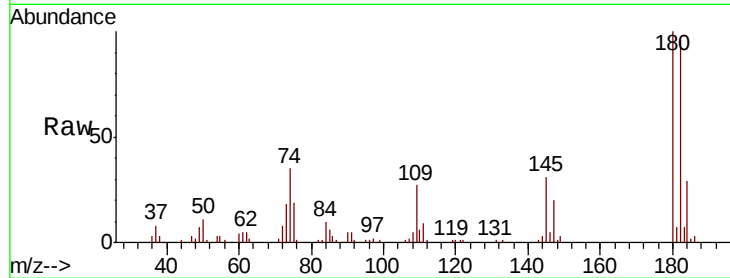




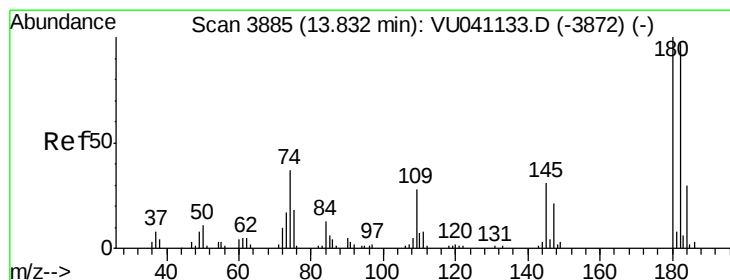
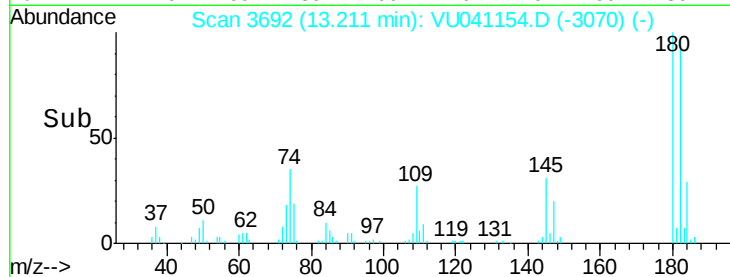
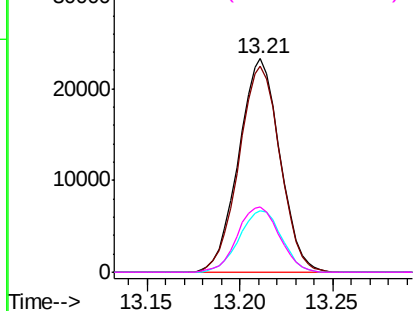
#67
 1,3,5-Trichlorobenzene
 Concen: 5.226 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion:180 Resp: 35912
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.7 113.5
 184 29.6 23.7 35.5
 145 31.4 26.1 39.1

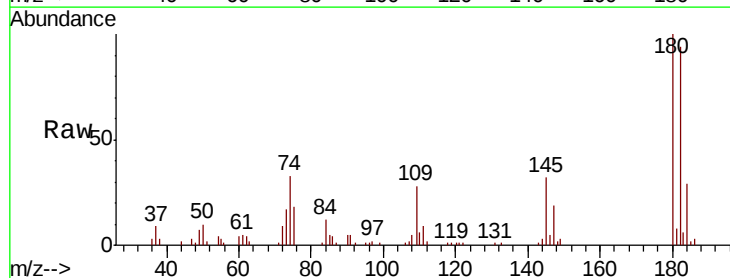


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

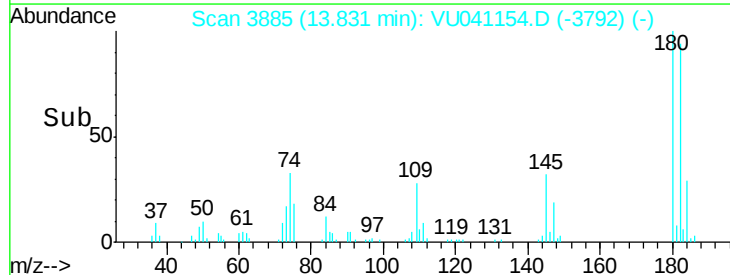
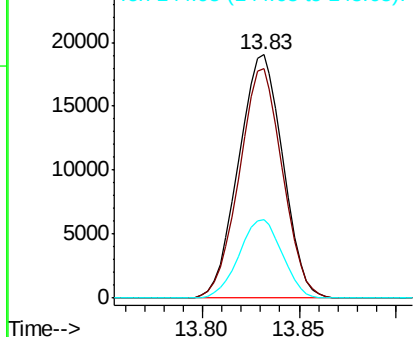


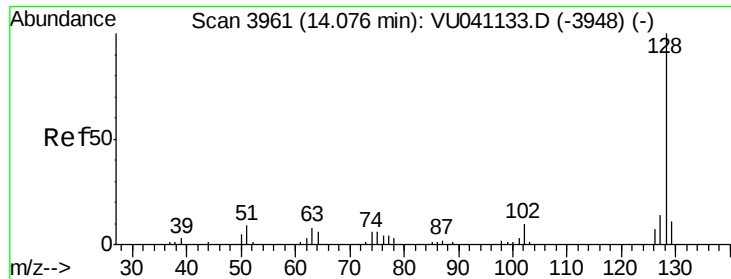
#68
 1,2,4-trichlorobenzene
 Concen: 5.346 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU041154.D
 Acq: 09 Nov 2020 20:45

Tgt Ion:180 Resp: 30432
 Ion Ratio Lower Upper
 180 100
 182 92.0 73.5 110.3
 145 31.3 26.6 40.0



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





#69

Naphthalene

Concen: 5.023 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

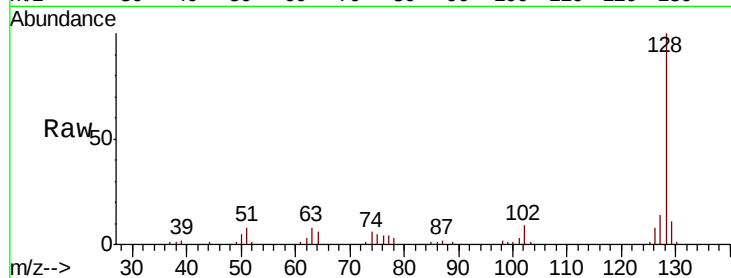
Tot Ion:128 Resp: 51130

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

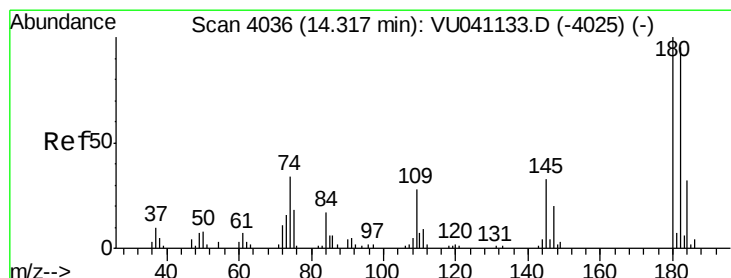
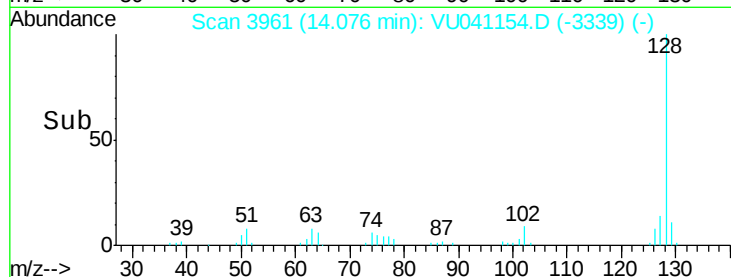
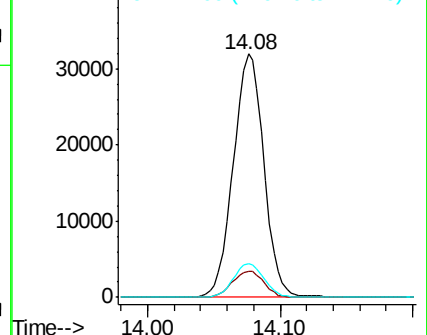
127 14.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.436 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041154.D

Acq: 09 Nov 2020 20:45

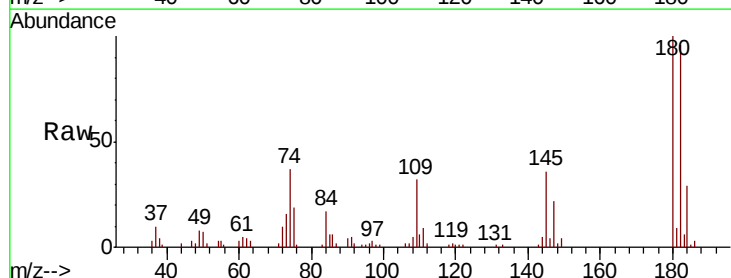
Tgt Ion:180 Resp: 28520

Ion Ratio Lower Upper

180 100

182 95.2 77.7 116.5

145 34.9 29.4 44.0



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

