

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112420\
 Data File : VU041409.D
 Acq On : 24 Nov 2020 10:17
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 25 07:29:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 24 01:52:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	73393	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	73747	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	39485	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	21863	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.92	69	16591	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.58	63	51079	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.00%
20) 2-Butanone-d5	4.65	46	86081	65.50	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.00%#
24) Chloroform-d	5.08	84	50220	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.72	65	33177	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.74	84	90201	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.70	67	29073	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.90	98	82402	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	8.19	79	15066	5.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	115.60%
46) 2-Hexanone-d5	8.64	63	59000	69.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	138.36%#
57) 1,1,2,2-Tetrachloroethane-	10.75	84	28131	6.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.40%#
64) 1,2-Dichlorobenzene-d4	12.19	152	32262	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	35739	5.041	ug/L 100
3) Chloromethane	1.53	50	27149	4.503	ug/L 95
5) Vinyl chloride	1.61	62	28753	4.483	ug/L 100
6) Bromomethane	1.87	94	13373	5.528	ug/L 99
8) Chloroethane	1.94	64	16449	4.524	ug/L 95
9) Trichlorofluoromethane	2.15	101	52855	5.322	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	26252	5.131	ug/L 94
12) 1,1-Dichloroethene	2.59	96	23133	5.119	ug/L 94
13) Acetone	2.66	43	60010	67.570	ug/L 98
14) Carbon disulfide	2.81	76	78552	4.976	ug/L 99
15) Methyl Acetate	2.97	43	13665	6.531	ug/L 98
16) Methylene chloride	3.06	84	28684	4.441	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	58247	5.175	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	24086	4.914	ug/L 92
19) 1,1-Dichloroethane	3.89	63	45820	4.699	ug/L 98
21) 2-Butanone	4.73	43	92542	65.604	ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	25340	4.862	ug/L 95

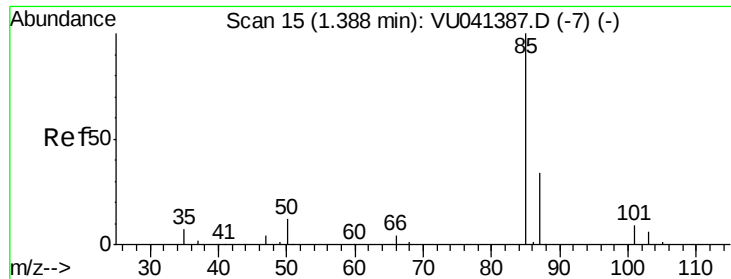
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 QLast Update : Tue Nov 24 01:52:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	12938	5.621	ug/L	98
25) Chloroform	5.11	83	53298	4.975	ug/L	96
27) 1,2-Dichloroethane	5.81	62	40544	5.812	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	47775	5.185	ug/L	99
30) Cyclohexane	5.40	56	39595	5.040	ug/L	95
31) Carbon tetrachloride	5.54	117	43315	5.223	ug/L	99
33) Benzene	5.79	78	103498	5.232	ug/L	100
34) Trichloroethene	6.55	95	28056	5.208	ug/L	97
35) Methylcyclohexane	6.77	83	40465	5.151	ug/L	98
37) 1,2-Dichloropropane	6.80	63	27030	4.981	ug/L	99
38) Bromodichloromethane	7.11	83	37974	5.167	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	37094	4.952	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	197627	59.348	ug/L	98
42) Toluene	7.97	91	105763	5.014	ug/L	96
44) trans-1,3-Dichloropropene	8.21	75	39011	5.707	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	21170	5.691	ug/L	95
47) Tetrachloroethene	8.56	164	21367	5.298	ug/L	94
48) 2-Hexanone	8.69	43	168369	68.920	ug/L	99
49) Dibromochloromethane	8.81	129	26591	5.614	ug/L	98
50) 1,2-Dibromoethane	8.93	107	20394	5.733	ug/L #	93
51) Chlorobenzene	9.45	112	70170	5.140	ug/L	99
52) Ethylbenzene	9.57	91	116405	5.163	ug/L	97
53) m,p-Xylene	9.69	106	45056	5.457	ug/L	96
54) o-Xylene	10.10	106	41872	5.264	ug/L	98
55) Styrene	10.11	104	75280	5.671	ug/L	98
56) Isopropylbenzene	10.48	105	116536	5.456	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	27975	6.045	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	22250	6.276	ug/L	100
61) Bromoform	10.29	173	15913	5.716	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	58587	5.131	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	56878	5.037	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	55078	5.214	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4865	5.877	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	41636	5.188	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	33669	5.345	ug/L	97
69) Naphthalene	14.08	128	52781	5.333	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	31298	5.437	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.041 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

Instrument :

MSVOA_U

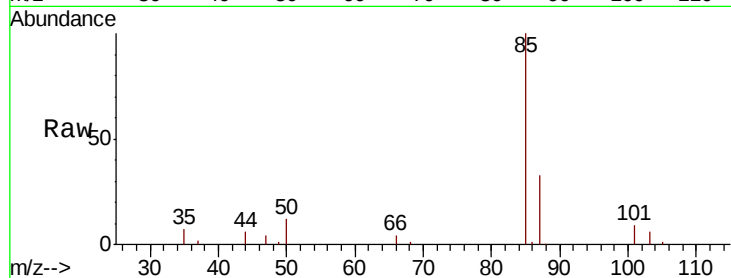
ClientSampleId :

Tot Ion: 85 Resp: 35739

Ion Ratio Lower Upper

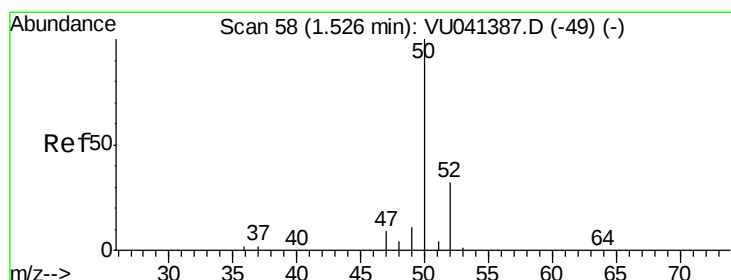
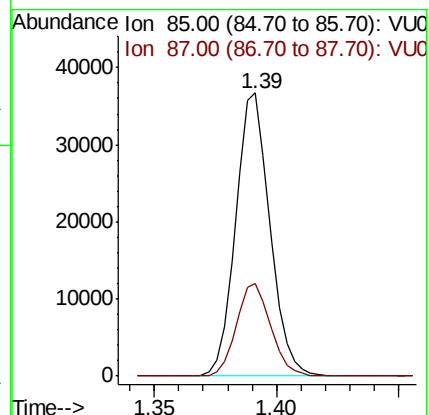
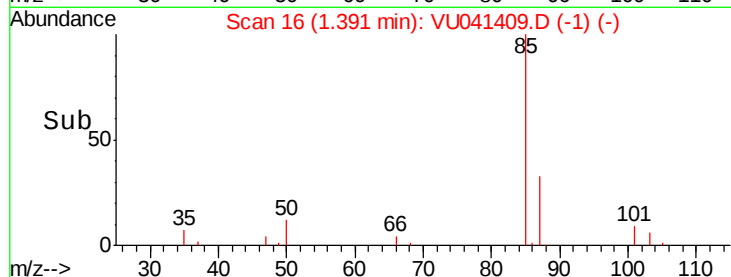
85 100

87 32.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.503 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041409.D

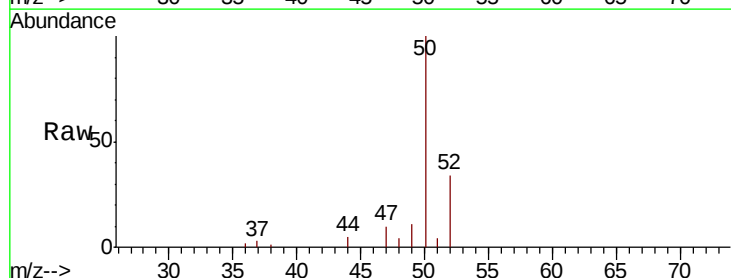
Acq: 24 Nov 2020 10:17

Tgt Ion: 50 Resp: 27149

Ion Ratio Lower Upper

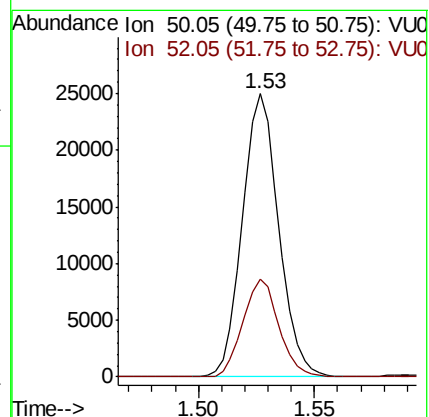
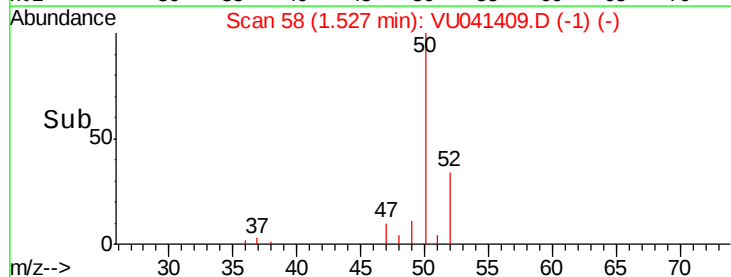
50 100

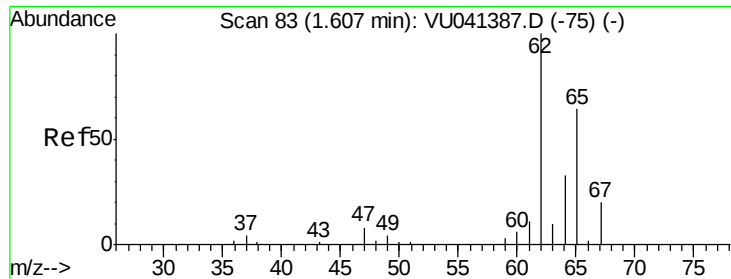
52 34.4 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.483 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

Instrument :

MSVOA_U

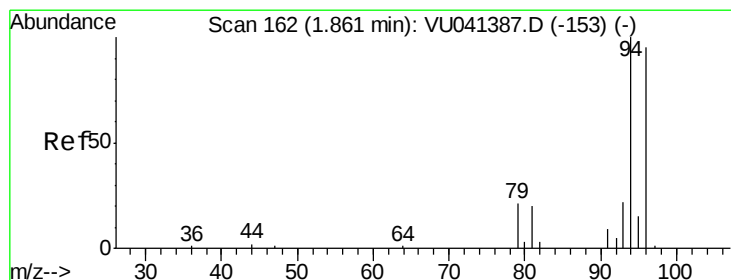
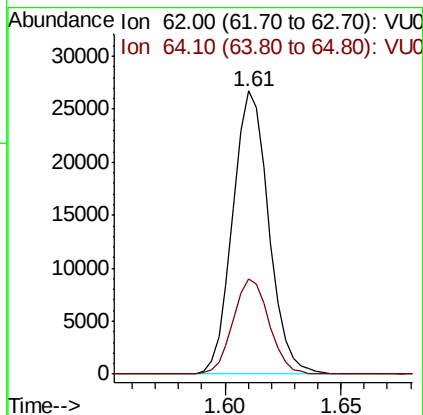
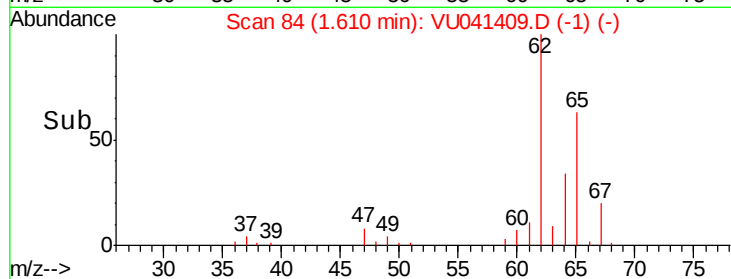
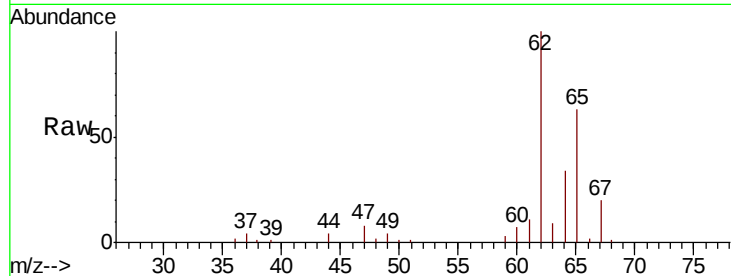
ClientSampled :

Tot Ion: 62 Resp: 28753

Ion Ratio Lower Upper

62 100

64 33.8 23.8 44.2



#6

Bromomethane

Concen: 5.528 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU041409.D

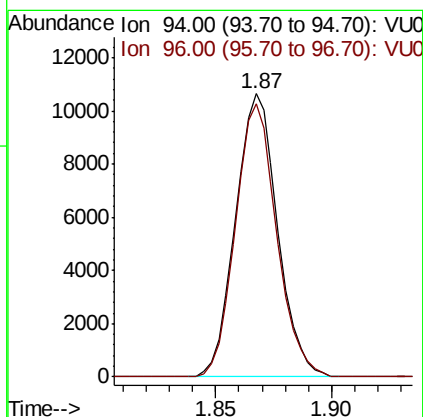
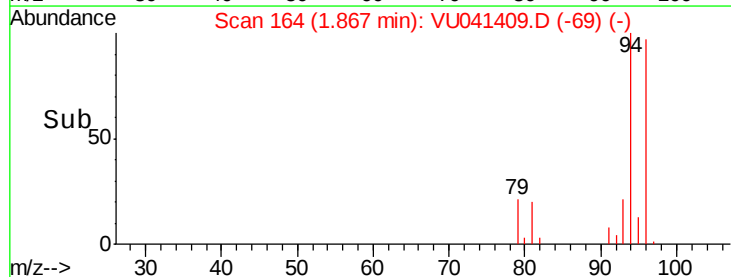
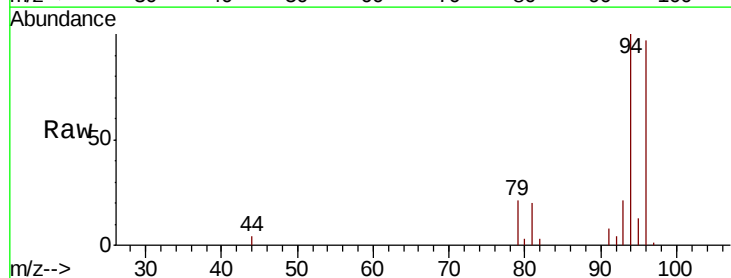
Acq: 24 Nov 2020 10:17

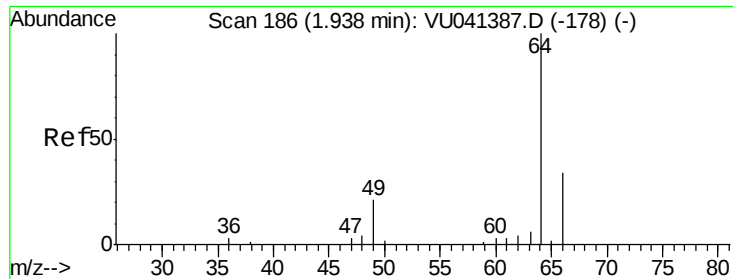
Tgt Ion: 94 Resp: 13373

Ion Ratio Lower Upper

94 100

96 96.6 67.2 124.8





#8

Chloroethane

Concen: 4.524 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.01 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

Instrument :

MSVOA_U

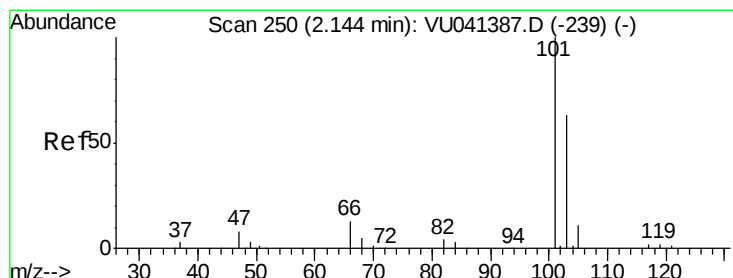
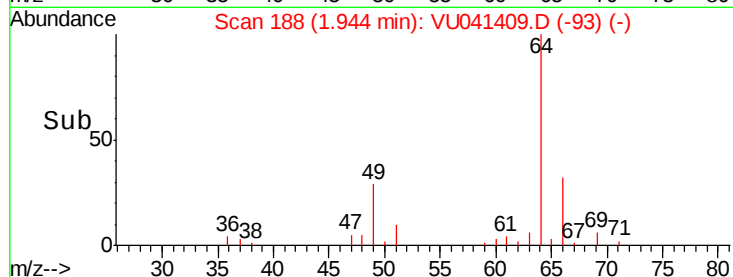
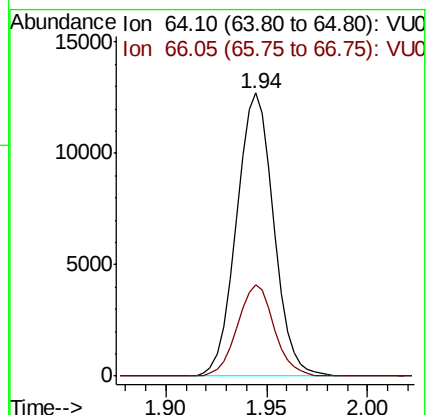
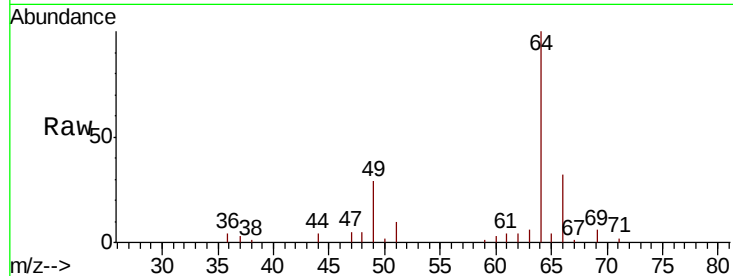
ClientSampled :

Tot Ion: 64 Resp: 16449

Ion Ratio Lower Upper

64 100

66 32.3 24.6 45.8



#9

Trichlorofluoromethane

Concen: 5.322 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.01 min

Lab File: VU041409.D

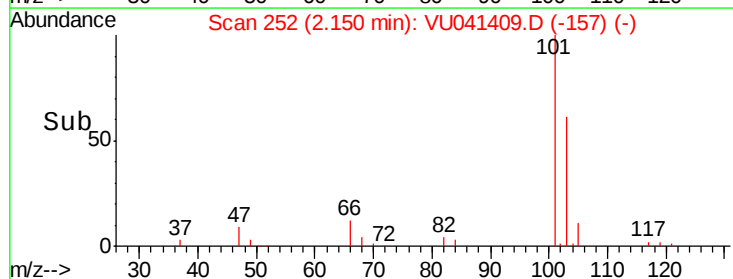
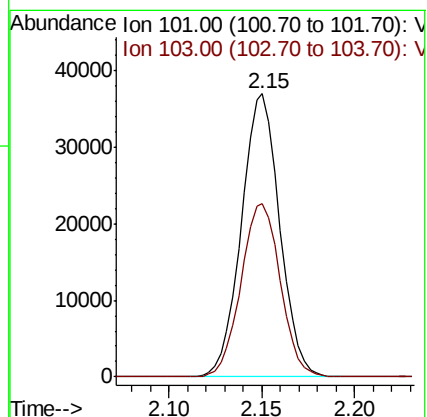
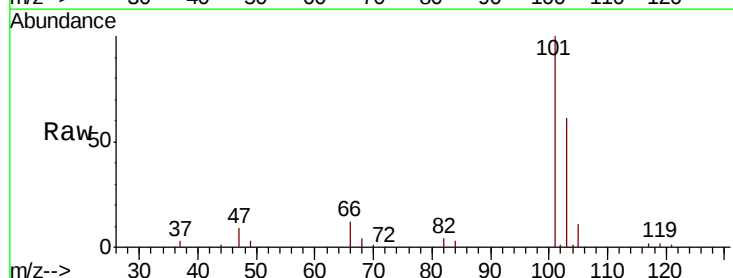
Acq: 24 Nov 2020 10:17

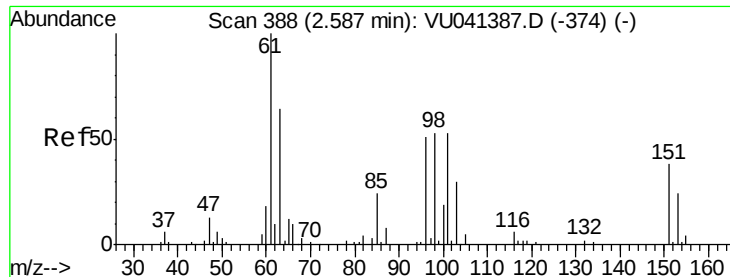
Tgt Ion: 101 Resp: 52855

Ion Ratio Lower Upper

101 100

103 62.8 51.4 77.2





#10

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

Concen: 5.131 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.01 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

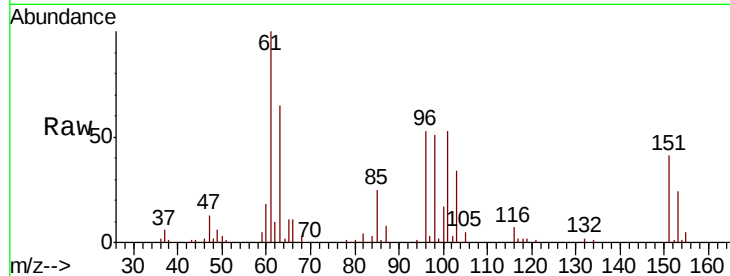
Tot Ion:101 Resp: 26252

Ion Ratio Lower Upper

101 100

85 46.6 35.1 52.7

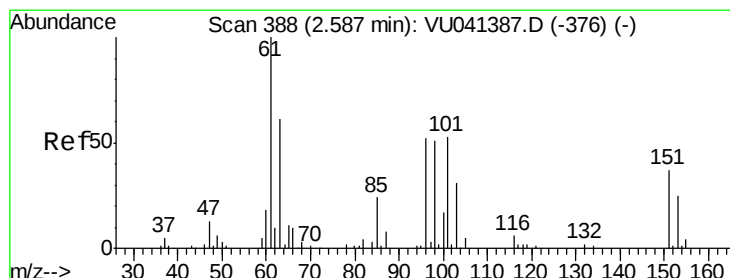
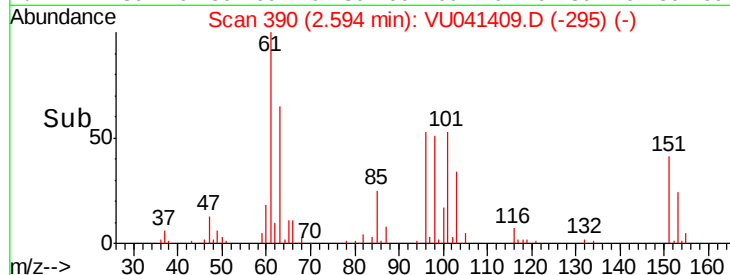
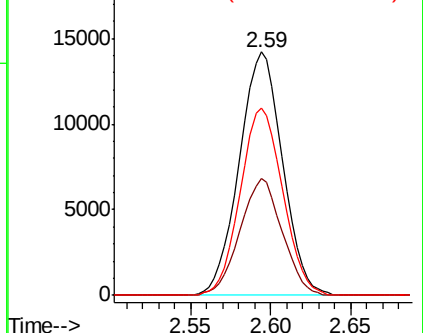
151 75.5 56.2 84.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.119 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.01 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

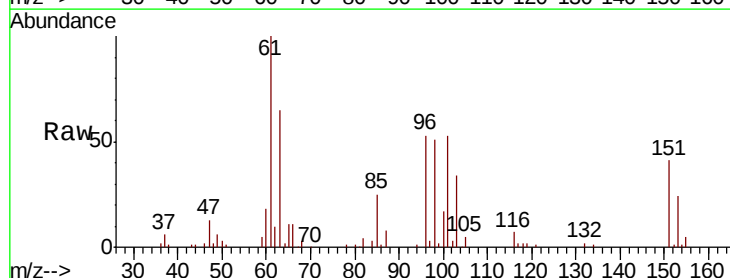
Tgt Ion: 96 Resp: 23133

Ion Ratio Lower Upper

96 100

61 190.4 129.8 241.2

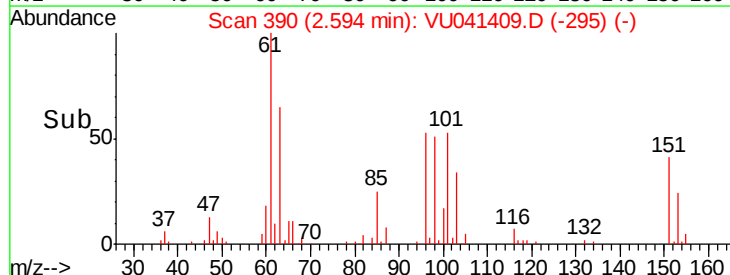
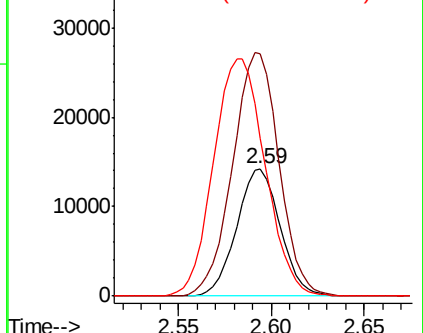
63 124.5 79.2 147.0

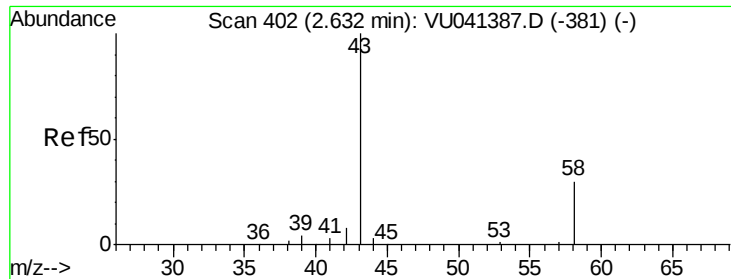


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

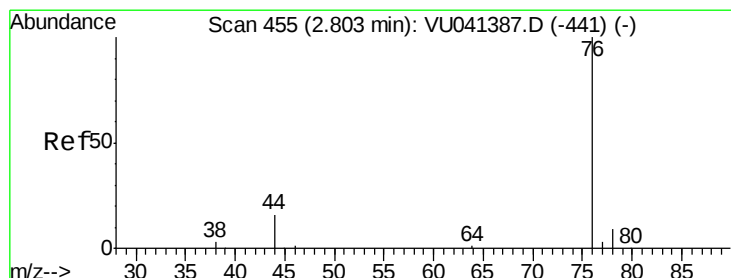
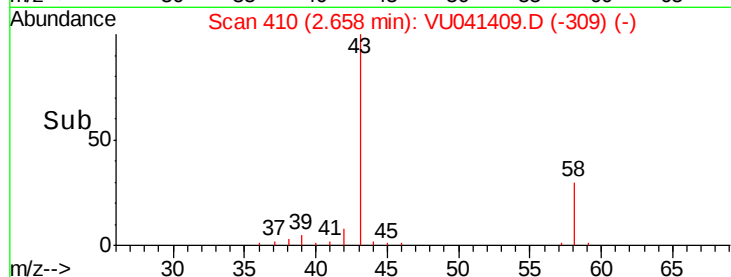
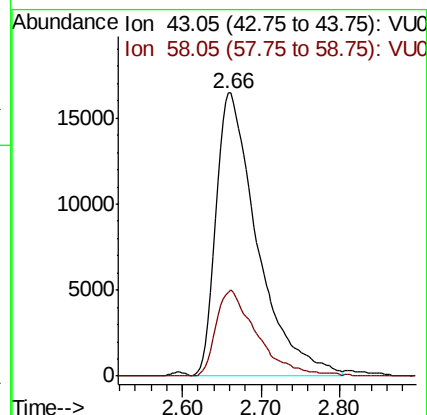
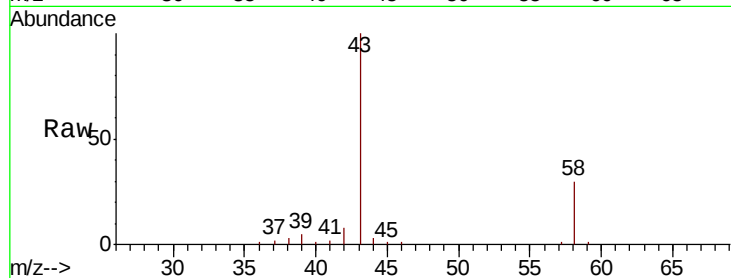




#13
Acetone
Concen: 67.570 ug/L
RT: 2.66 min Scan# 410
Delta R.T. 0.03 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

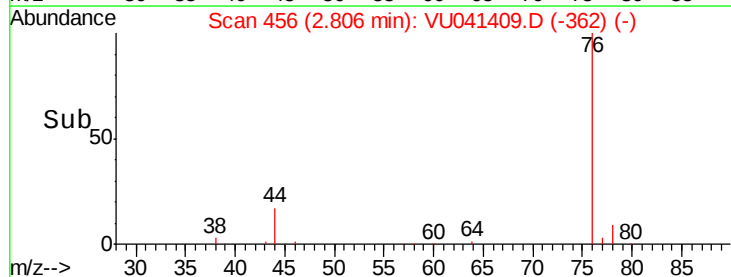
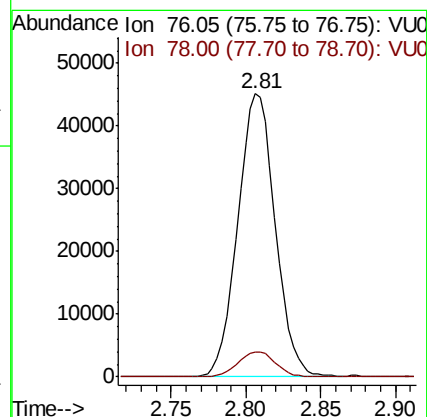
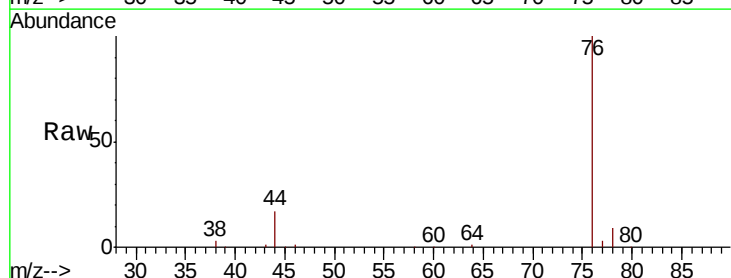
Instrument :
MSVOA_U
ClientSampled :

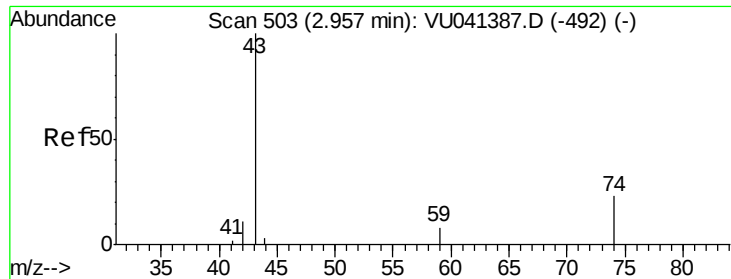
Tot Ion: 43 Resp: 60010
Ion Ratio Lower Upper
43 100
58 29.9 0.0 57.8



#14
Carbon disulfide
Concen: 4.976 ug/L
RT: 2.81 min Scan# 456
Delta R.T. 0.00 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

Tgt Ion: 76 Resp: 78552
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6

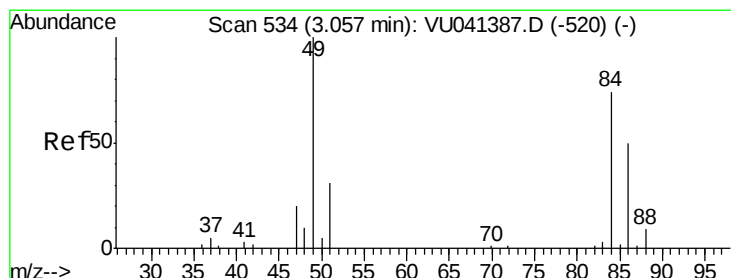
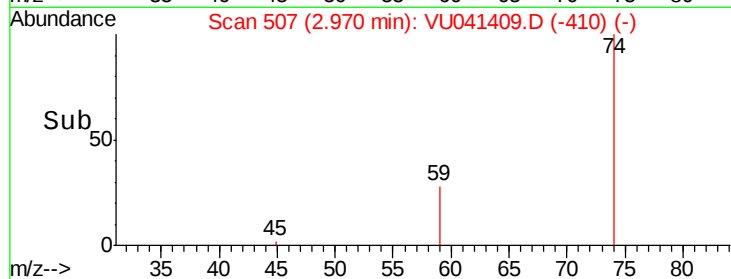
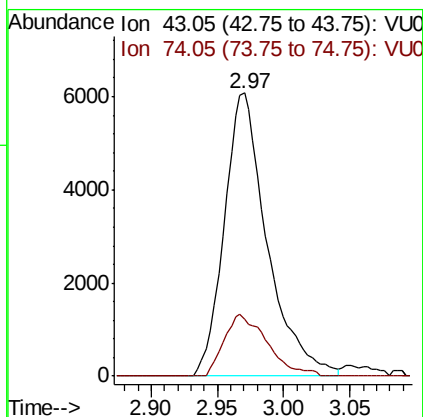
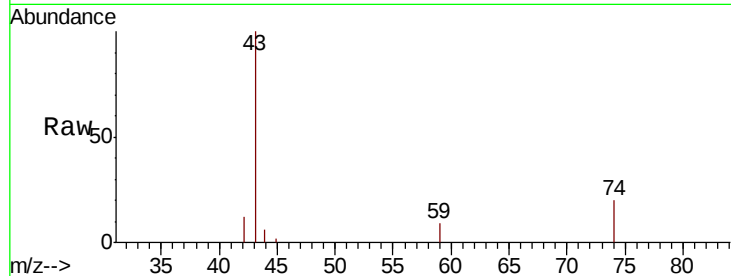




#15
Methvl Acetate
Concen: 6.531 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.01 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

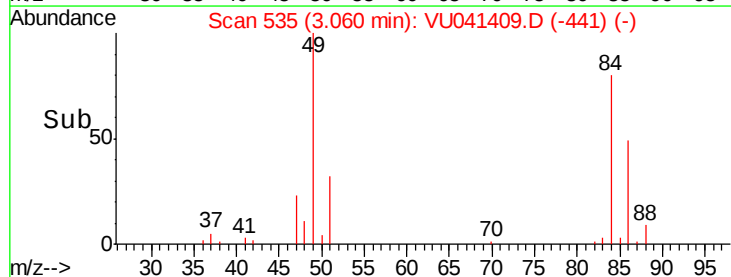
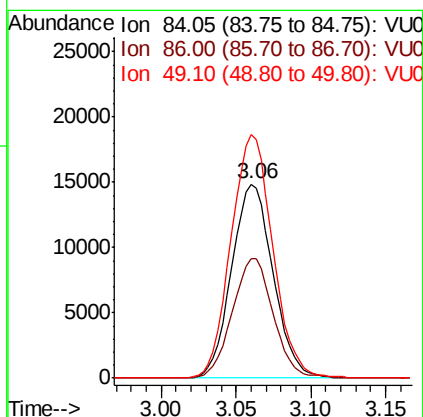
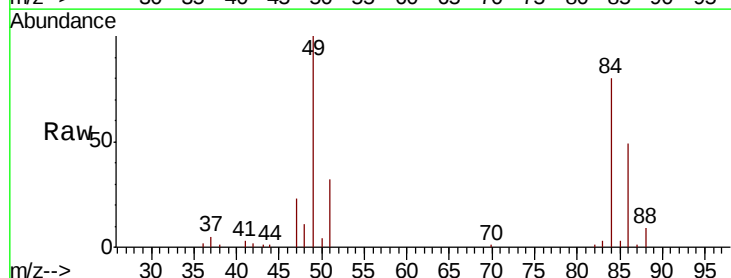
Instrument :
MSVOA_U
ClientSampleId :

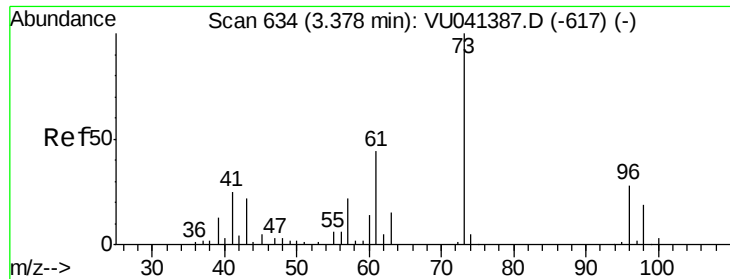
Tot Ion: 43 Resp: 13665
Ion Ratio Lower Upper
43 100
74 22.0 17.0 25.6



#16
Methylene chloride
Concen: 4.441 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

Tgt Ion: 84 Resp: 28684
Ion Ratio Lower Upper
84 100
86 61.8 44.4 82.5
49 125.6 89.9 167.0

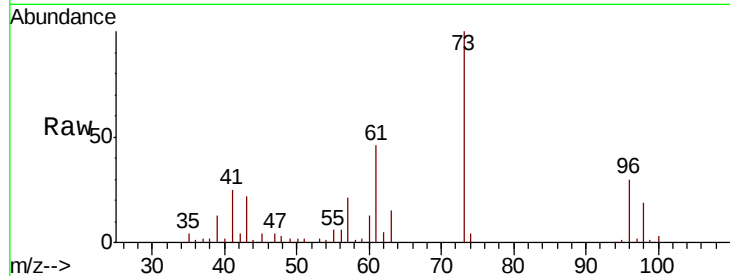




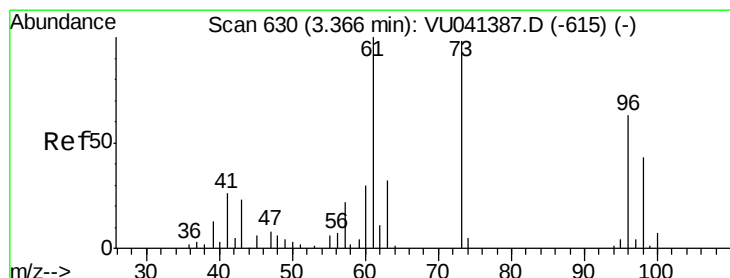
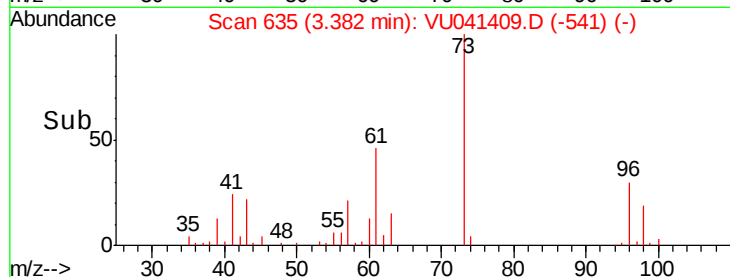
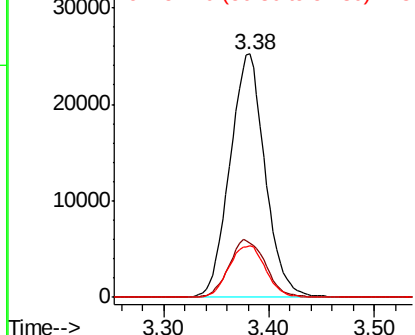
#17
Methvl tert-butvl Ether
Concen: 5.175 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 58247
Ion Ratio Lower Upper
73 100
43 24.7 18.3 27.5
57 22.0 17.7 26.5

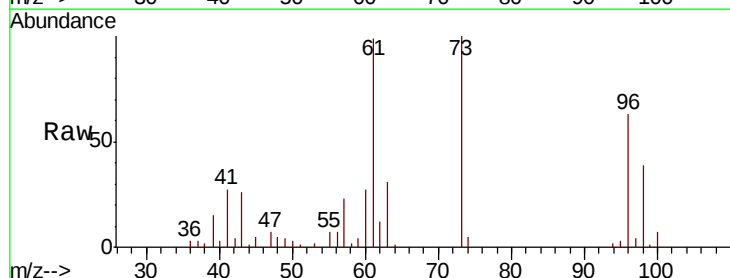


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

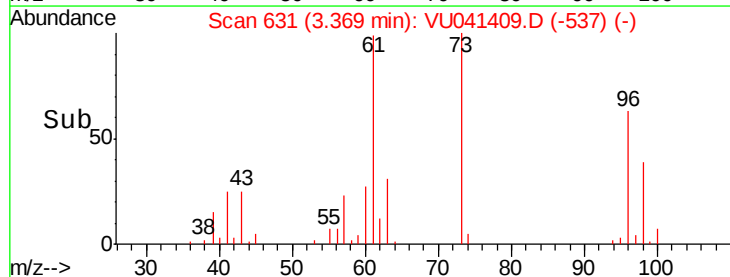
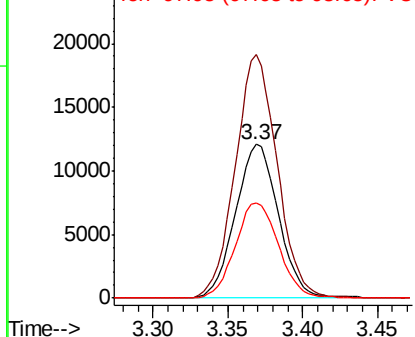


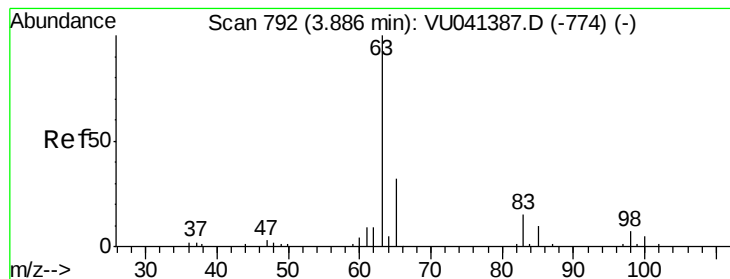
#18
trans-1,2-Dichloroethene
Concen: 4.914 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

Tgt Ion: 96 Resp: 24086
Ion Ratio Lower Upper
96 100
61 158.2 103.7 192.5
98 61.7 47.5 88.3



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





#19

1,1-Dichloroethane

Concen: 4.699 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

Instrument :

MSVOA_U

ClientSampled :

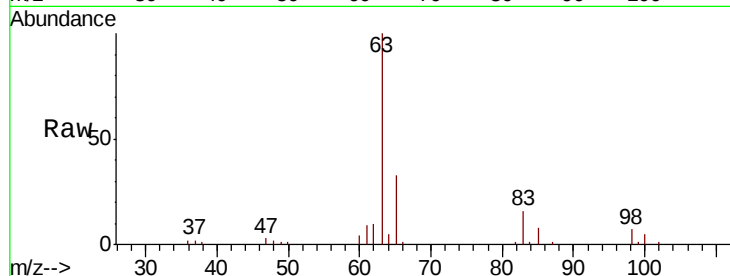
Tot Ion: 63 Resp: 45820

Ion Ratio Lower Upper

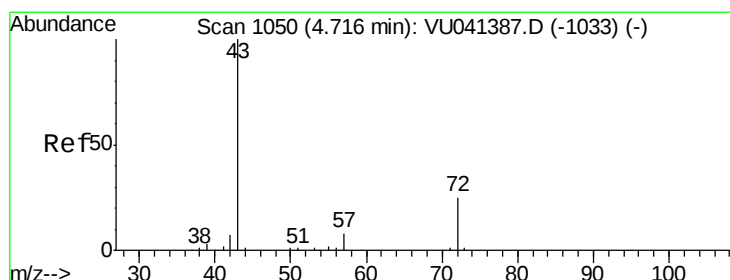
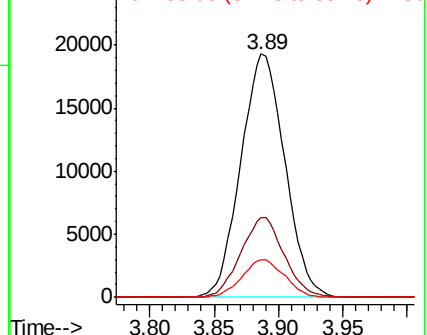
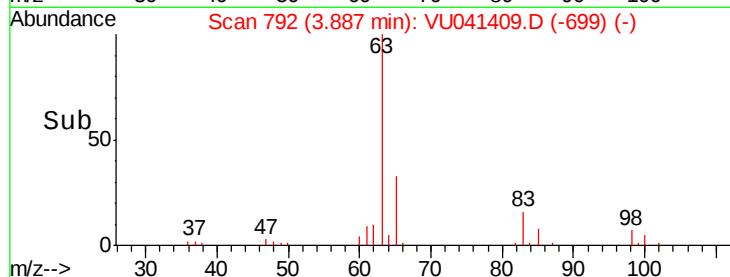
63 100

65 32.9 23.0 42.8

83 15.6 9.4 17.4



Abundance Ion 63.10 (62.80 to 63.80): VU041409.D (-699) (-)



#21

2-Butanone

Concen: 65.604 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.02 min

Lab File: VU041409.D

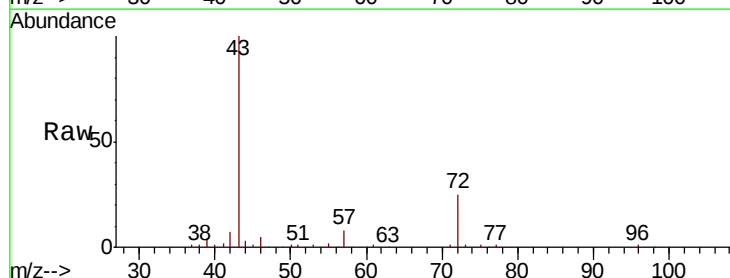
Acq: 24 Nov 2020 10:17

Tgt Ion: 43 Resp: 92542

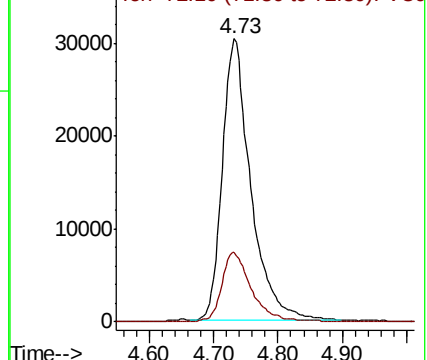
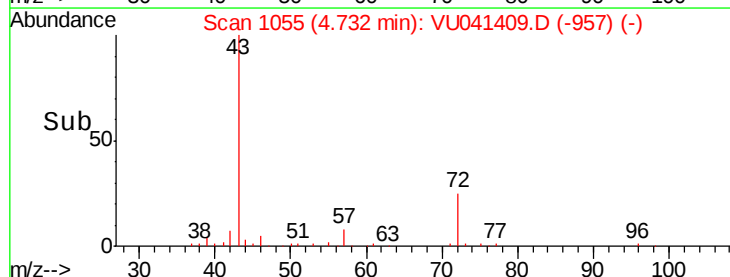
Ion Ratio Lower Upper

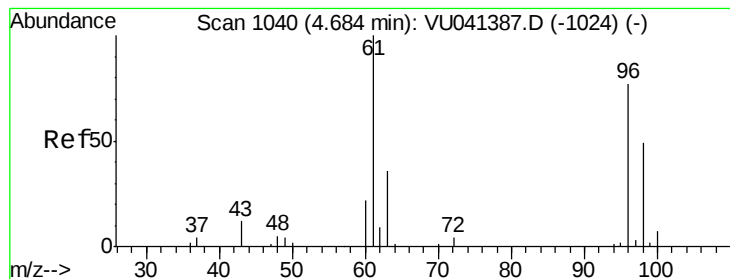
43 100

72 26.1 12.6 37.6



Abundance Ion 43.05 (42.75 to 43.75): VU041409.D (-957) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.862 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

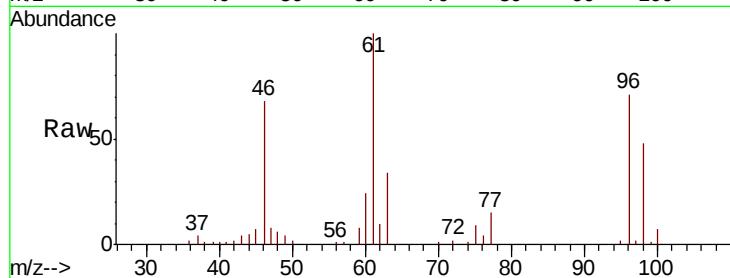
Tot Ion: 96 Resp: 25340

Ion Ratio Lower Upper

96 100

61 141.5 95.3 176.9

68 0.0 0.0 0.0

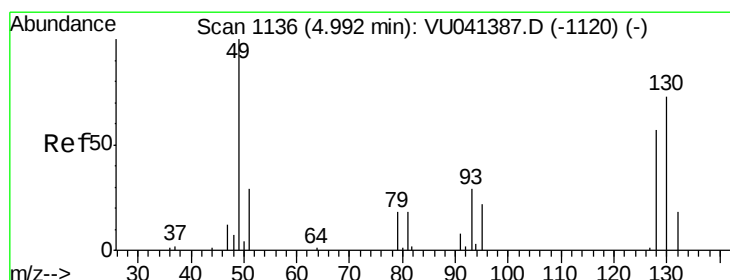
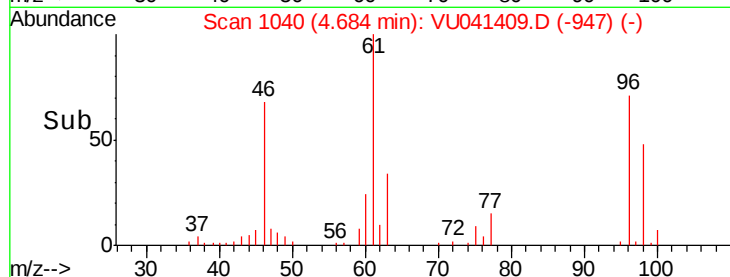
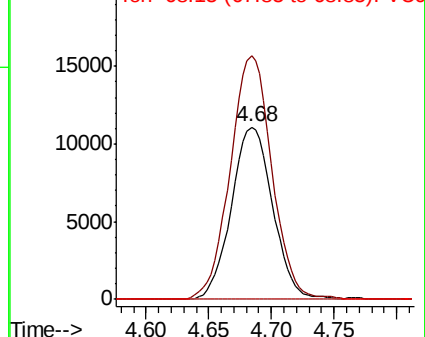


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.621 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

Tgt Ion: 128 Resp: 12938

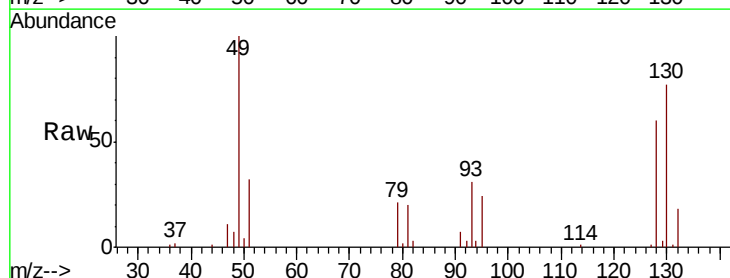
Ion Ratio Lower Upper

128 100

49 167.7 118.9 220.9

130 129.6 88.3 163.9

51 52.8 43.2 64.8



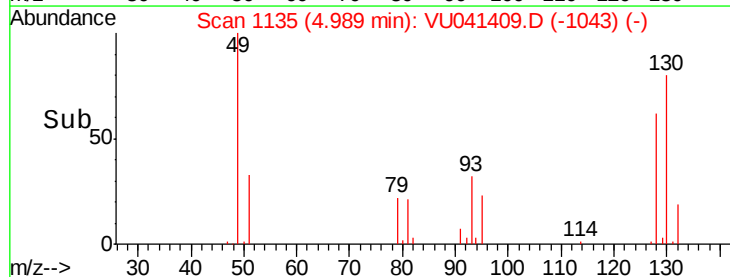
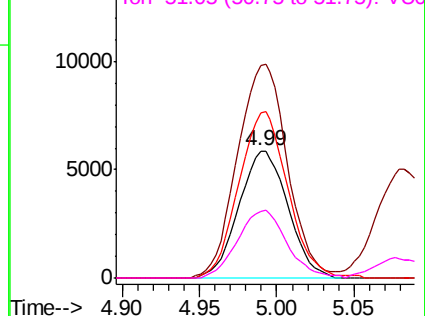
Abundance

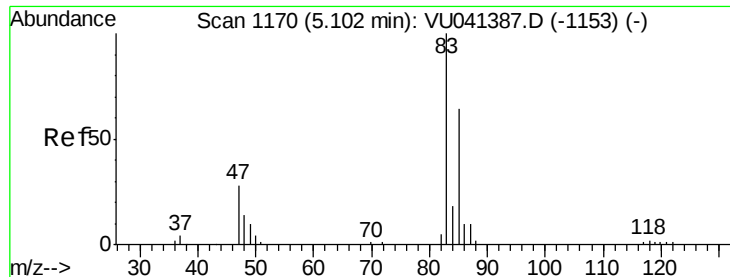
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

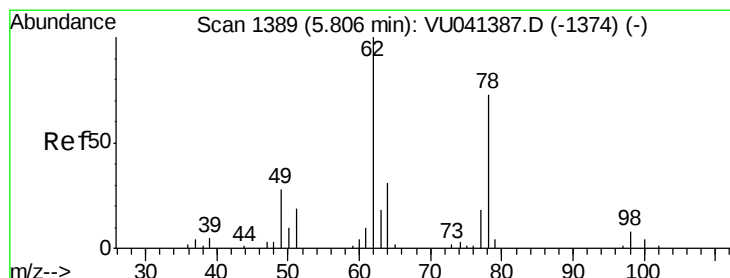
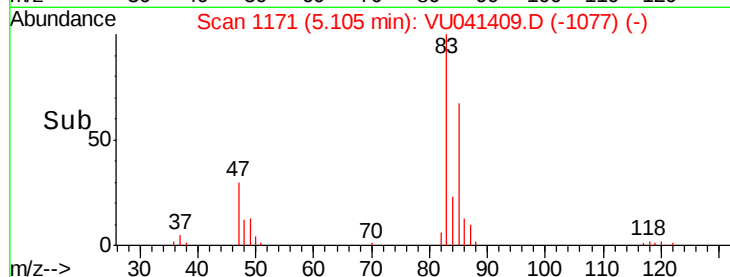
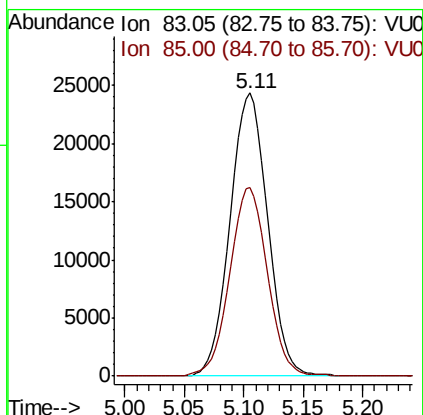
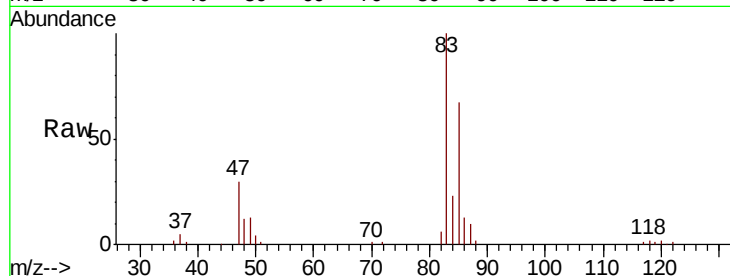




#25
Chloroform
Concen: 4.975 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

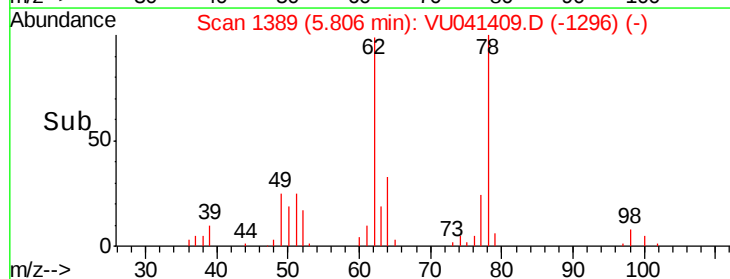
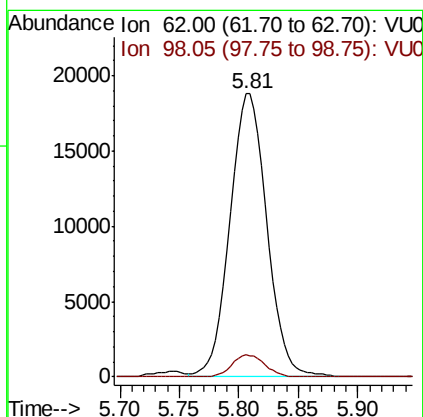
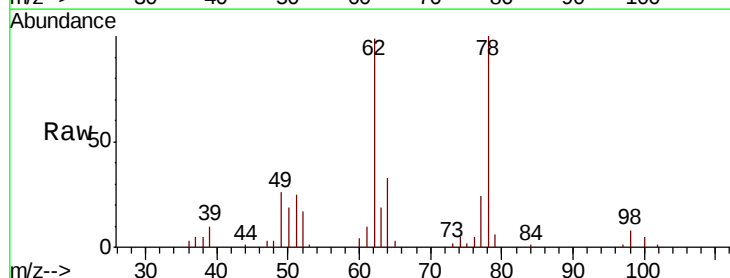
Instrument :
MSVOA_U
ClientSampled :

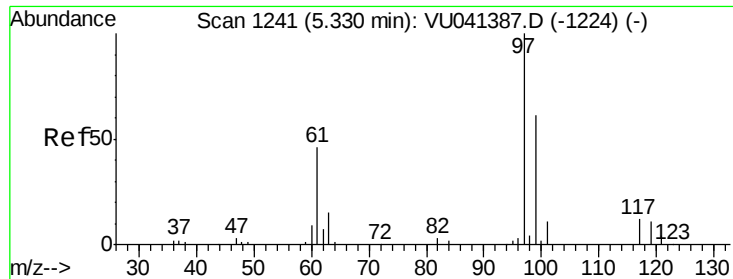
Tot Ion: 83 Resp: 53298
Ion Ratio Lower Upper
83 100
85 66.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.812 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

Tgt Ion: 62 Resp: 40544
Ion Ratio Lower Upper
62 100
98 7.8 6.0 9.0

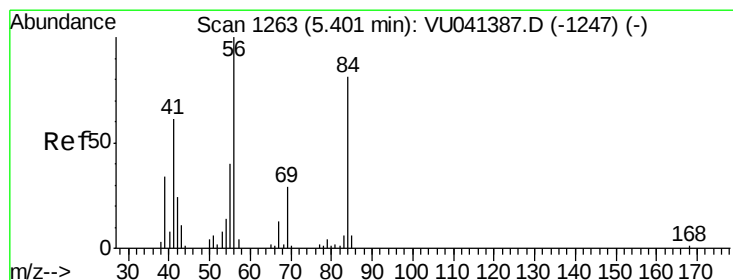
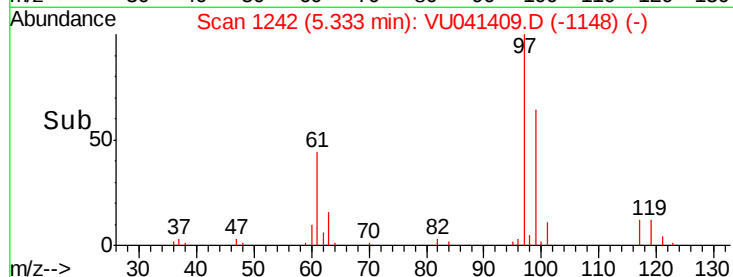
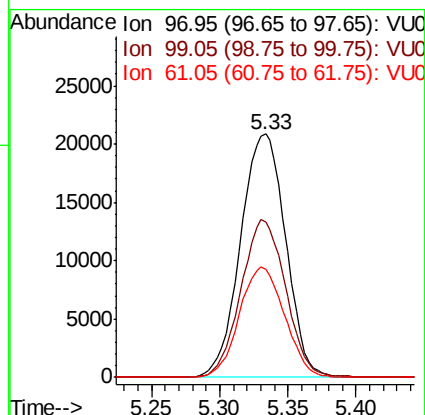
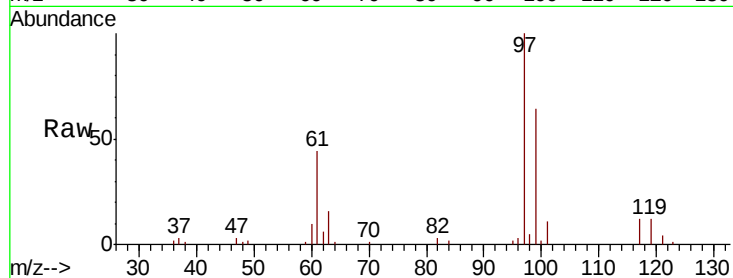




#29
 1,1,1-Trichloroethane
 Concen: 5.185 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041409.D
 Acq: 24 Nov 2020 10:17

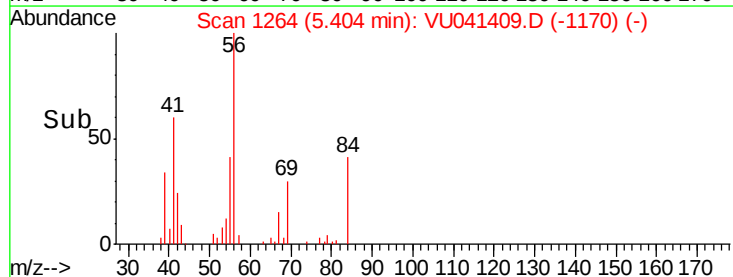
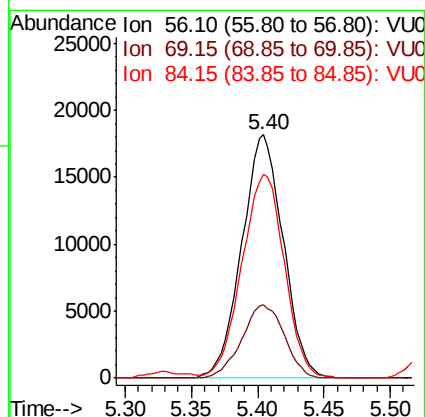
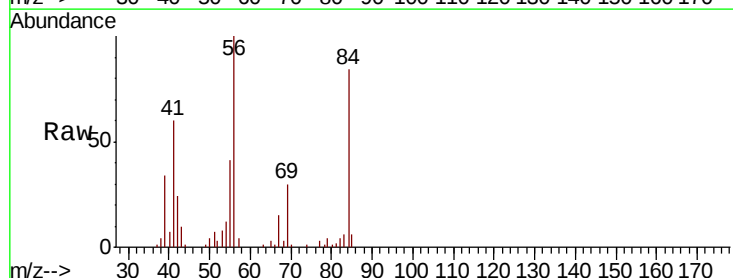
Instrument :
 MSVOA_U
 ClientSampled :

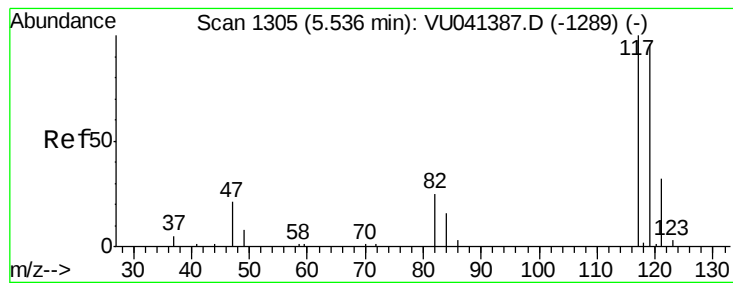
Tot Ion: 97 Resp: 47775
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.8 77.6
 61 45.4 37.8 56.6



#30
 Cyclohexane
 Concen: 5.040 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041409.D
 Acq: 24 Nov 2020 10:17

Tgt Ion: 56 Resp: 39595
 Ion Ratio Lower Upper
 56 100
 69 30.7 23.8 35.6
 84 85.8 64.6 97.0





#31

Carbon tetrachloride

Concen: 5.223 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

Instrument :

MSVOA_U

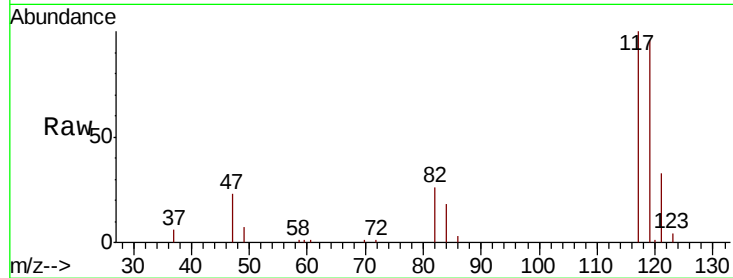
ClientSampleId :

Tot Ion:117 Resp: 43315

Ion Ratio Lower Upper

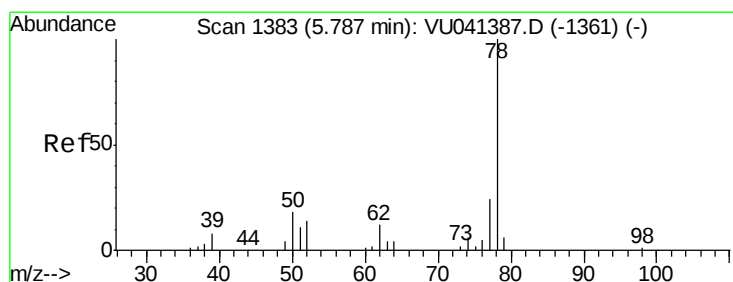
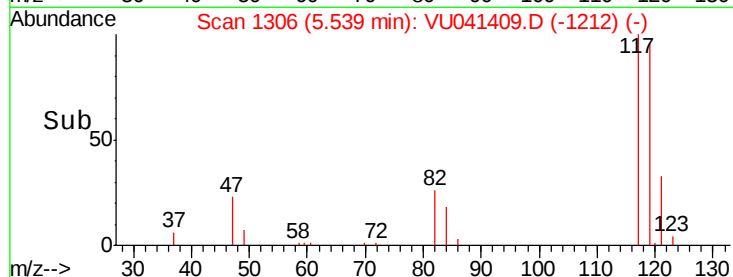
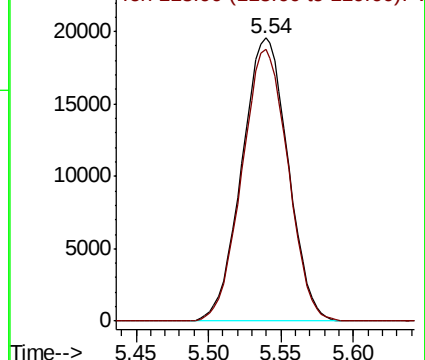
117 100

119 95.5 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.232 ug/L

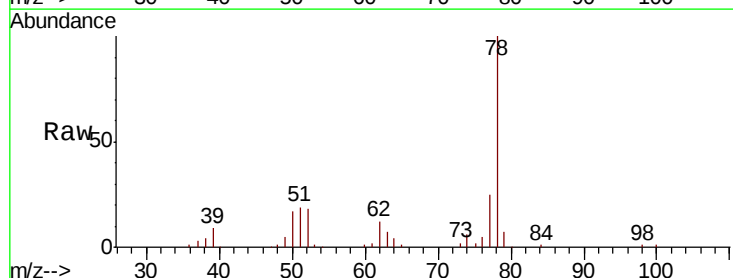
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

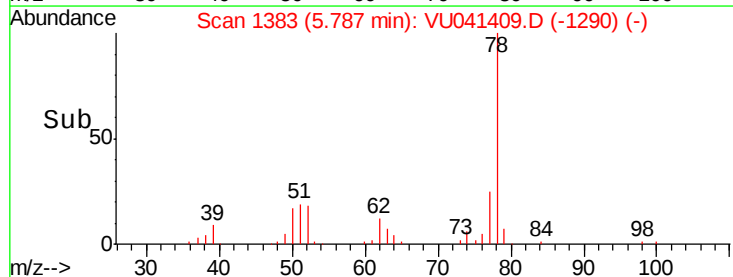
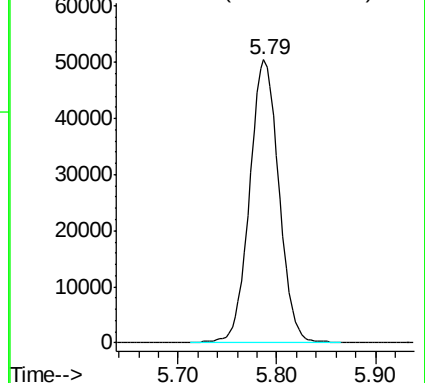
Lab File: VU041409.D

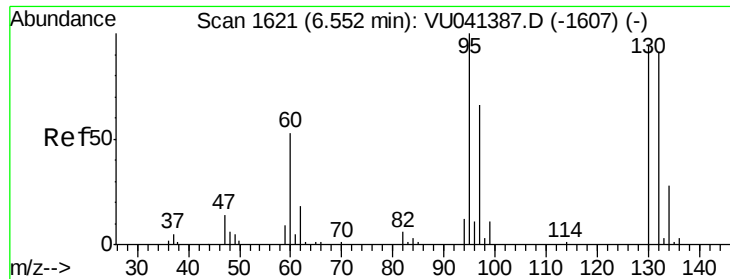
Acq: 24 Nov 2020 10:17

Tgt Ion: 78 Resp: 103498



Abundance Ion 78.10 (77.80 to 78.80): VU0

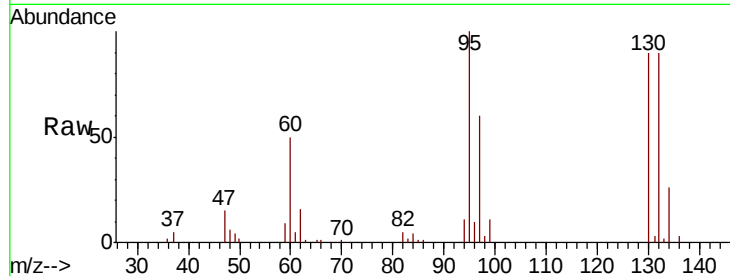




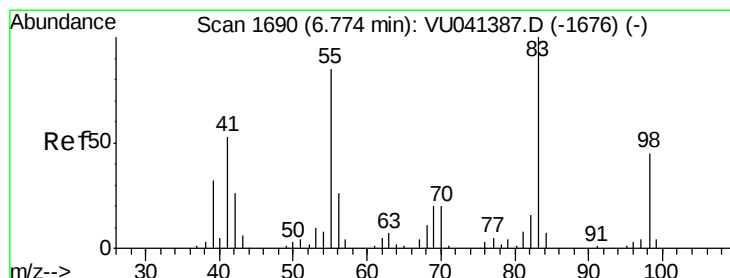
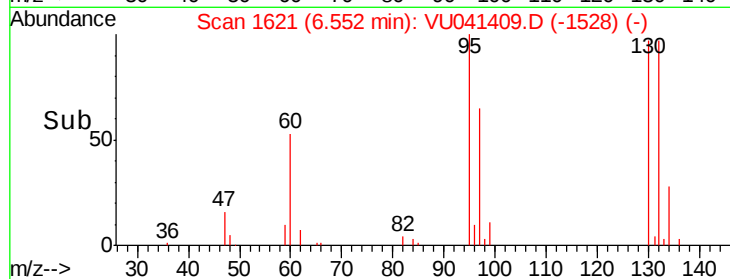
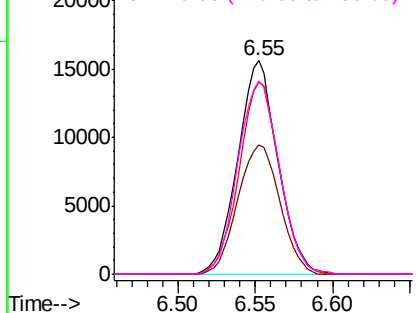
#34
 Trichloroethene
 Concen: 5.208 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041409.D
 Acq: 24 Nov 2020 10:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 28056
 Ion Ratio Lower Upper
 95 100
 97 60.3 46.5 86.5
 132 90.1 60.8 113.0
 130 90.5 63.3 117.7

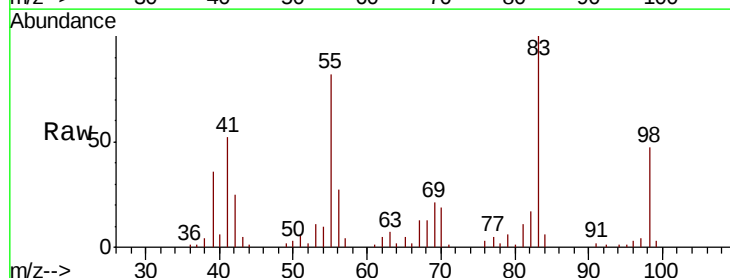


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

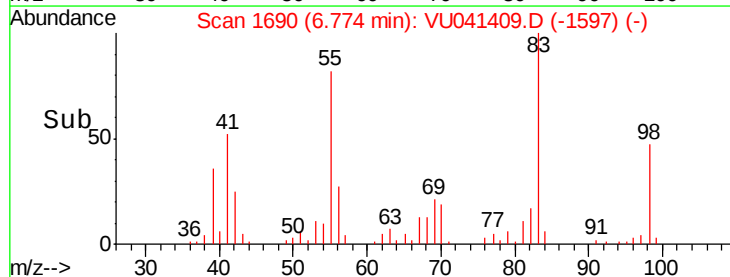
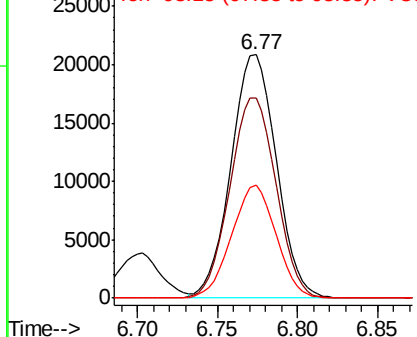


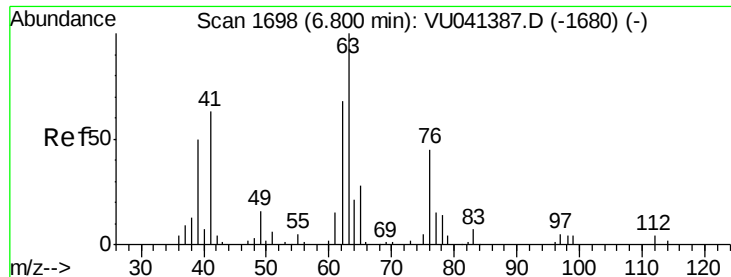
#35
 Methylcyclohexane
 Concen: 5.151 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041409.D
 Acq: 24 Nov 2020 10:17

Tgt Ion: 83 Resp: 40465
 Ion Ratio Lower Upper
 83 100
 55 83.4 68.4 102.6
 98 45.2 36.5 54.7



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

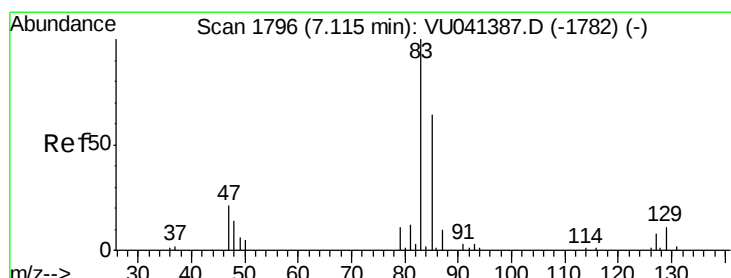
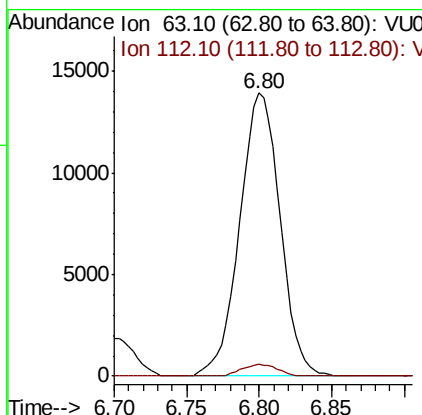
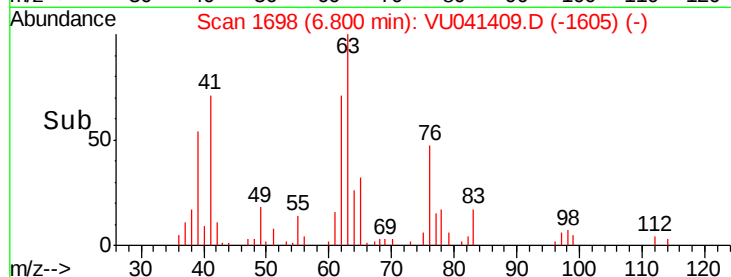
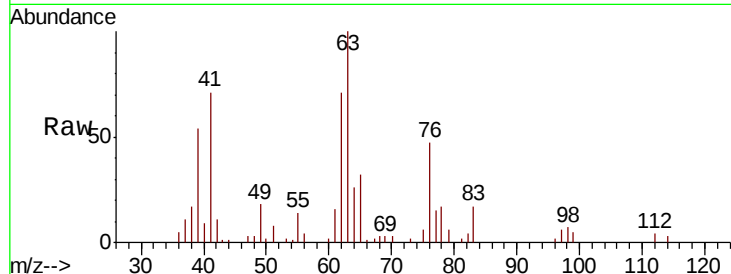




#37
 1,2-Dichloropropane
 Concen: 4.981 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU041409.D
 Acq: 24 Nov 2020 10:17

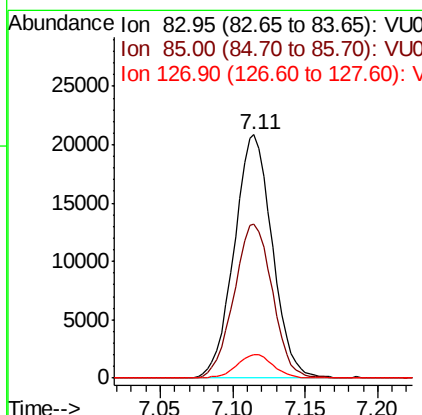
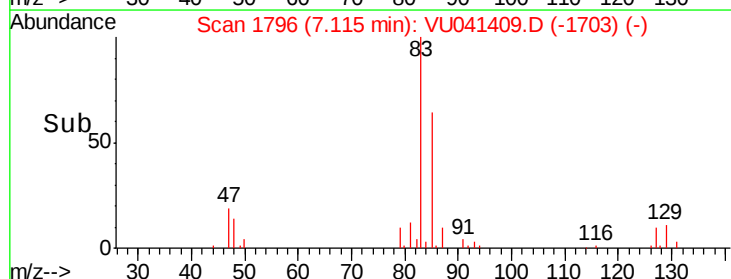
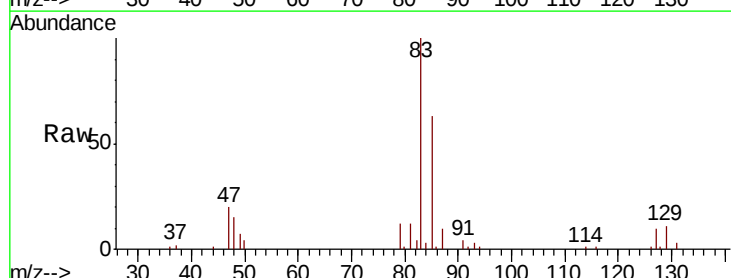
Instrument :
 MSVOA_U
 ClientSampled :

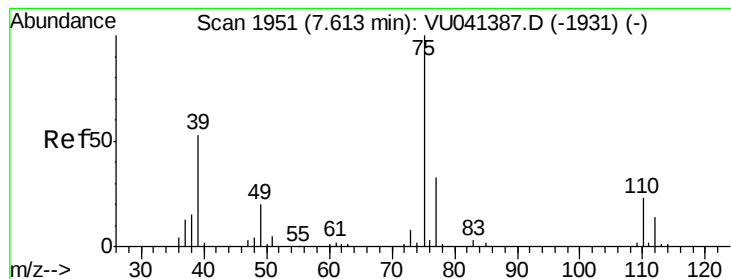
Tot Ion: 63 Resp: 27030
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.6 4.0



#38
 Bromodichloromethane
 Concen: 5.167 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041409.D
 Acq: 24 Nov 2020 10:17

Tgt Ion: 83 Resp: 37974
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.7 84.9
 127 9.7 7.1 10.7



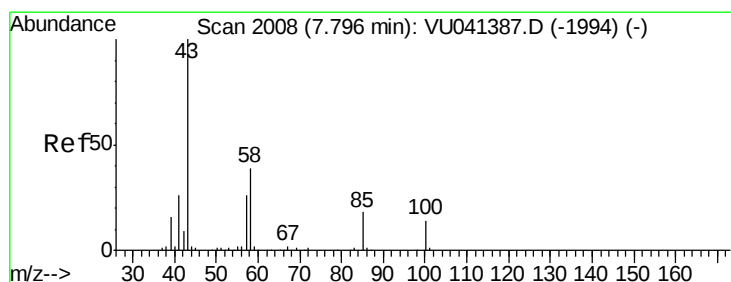
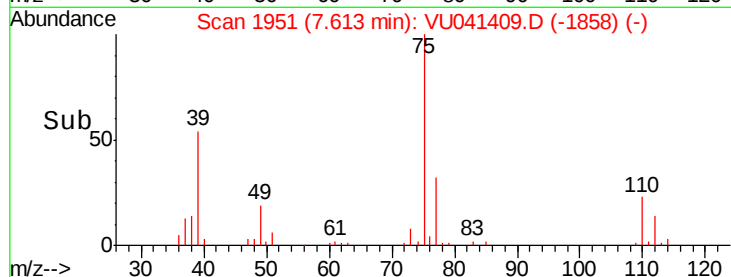
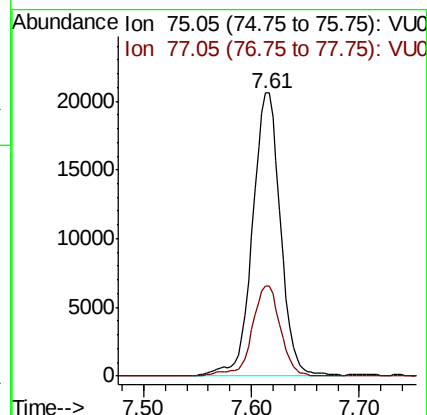
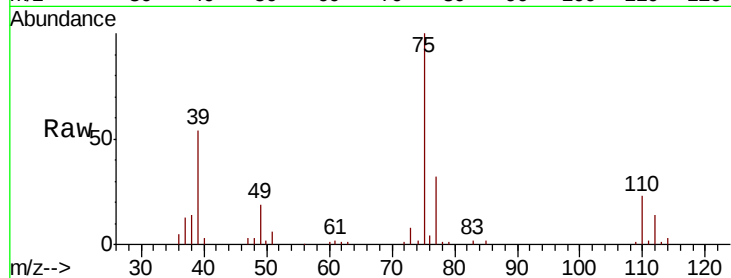


#39

cis-1,3-Dichloropropene
 Concen: 4.952 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041409.D
 Acq: 24 Nov 2020 10:17

Instrument :
 MSVOA_U
 ClientSampleId :

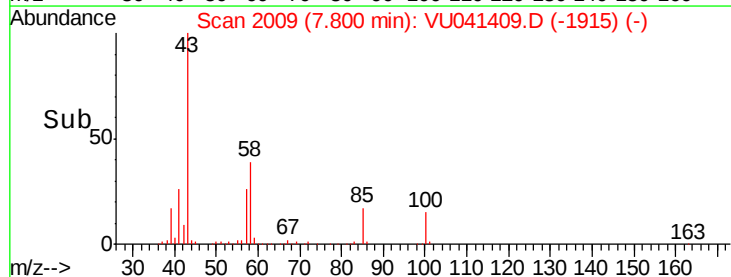
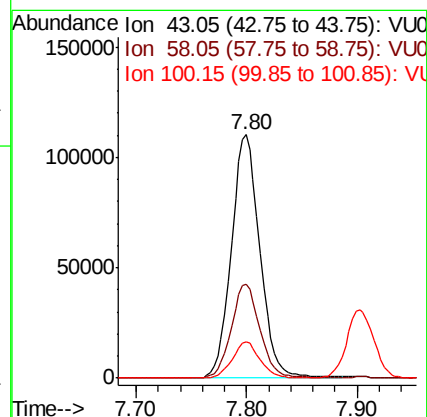
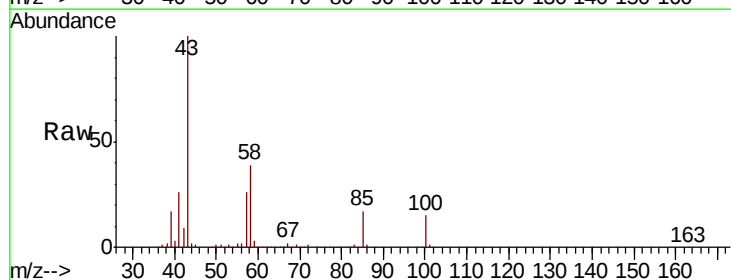
Tot Ion: 75 Resp: 37094
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.1 41.1

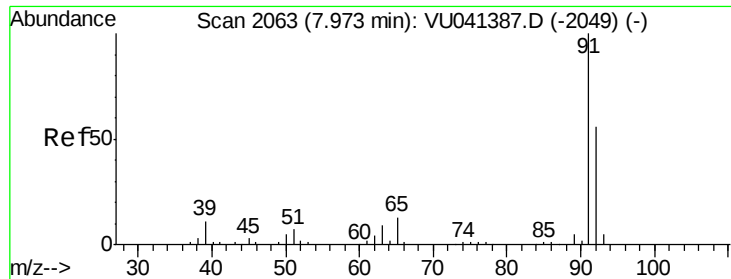


#40

4-Methyl-2-pentanone
 Concen: 59.348 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041409.D
 Acq: 24 Nov 2020 10:17

Tgt Ion: 43 Resp: 197627
 Ion Ratio Lower Upper
 43 100
 58 38.7 29.8 44.8
 100 14.5 10.9 16.3





#42

Toluene

Concen: 5.014 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

Instrument :

MSVOA_U

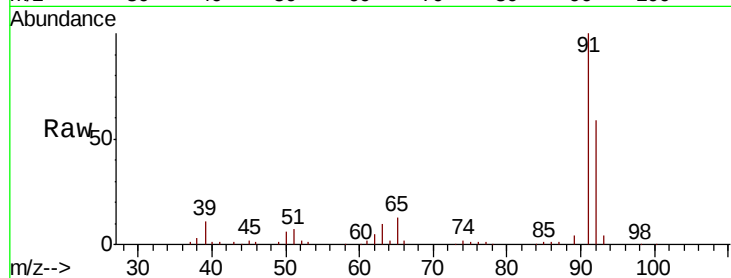
ClientSampleId :

Tot Ion: 91 Resp: 105763

Ion Ratio Lower Upper

91 100

92 58.7 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU041387.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041387.D (-2049) (-)

7.97

60000

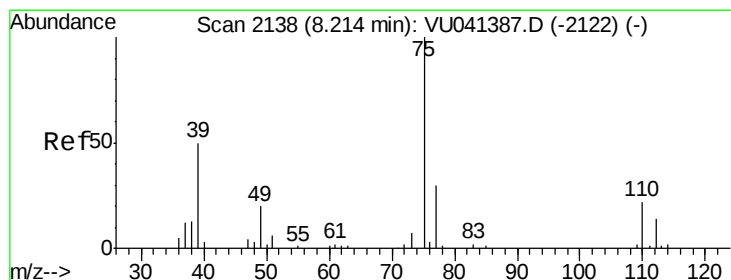
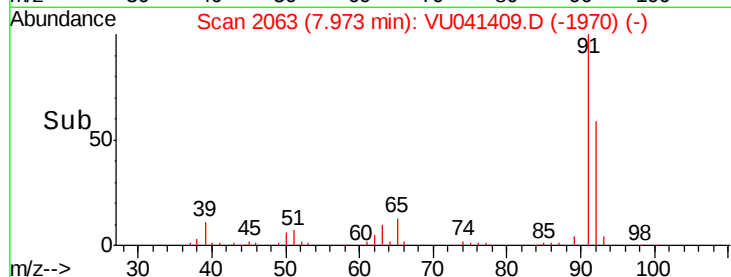
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.707 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041409.D

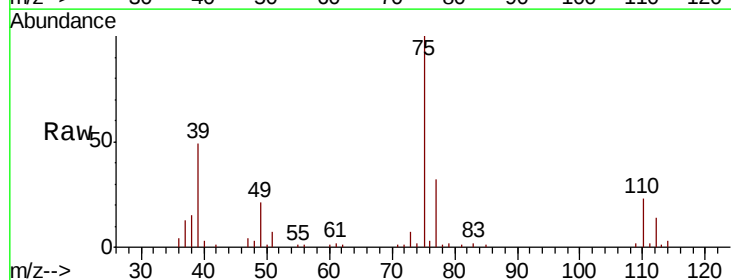
Acq: 24 Nov 2020 10:17

Tgt Ion: 75 Resp: 39011

Ion Ratio Lower Upper

75 100

77 32.0 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU041387.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041387.D (-2122) (-)

8.21

25000

20000

15000

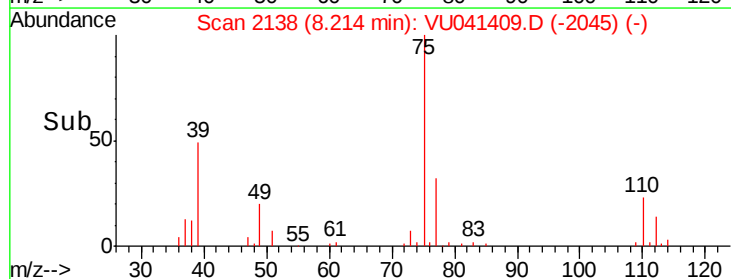
10000

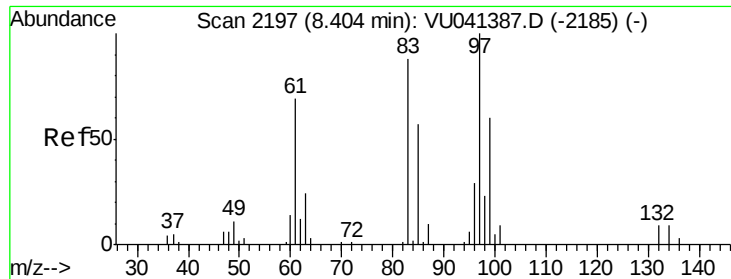
5000

0

8.10 8.15 8.20 8.25 8.30

Time-->

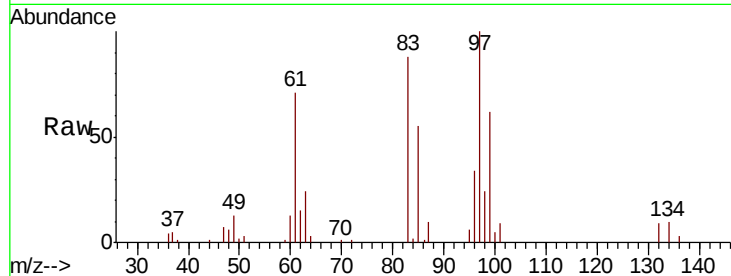




#45
1,1,2-Trichloroethane
Concen: 5.691 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	21170
Ion	Ratio	Lower	Upper
97	100		
99	62.1	41.5	77.1
83	88.1	65.5	121.6
85	54.5	40.1	74.5

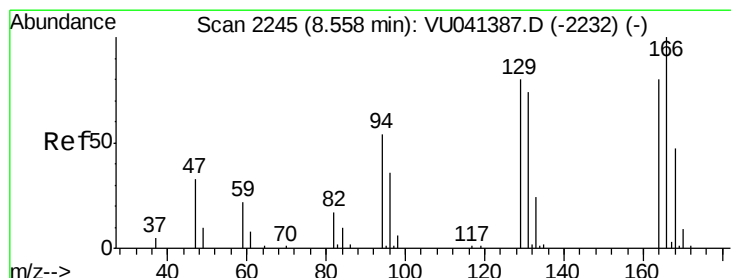
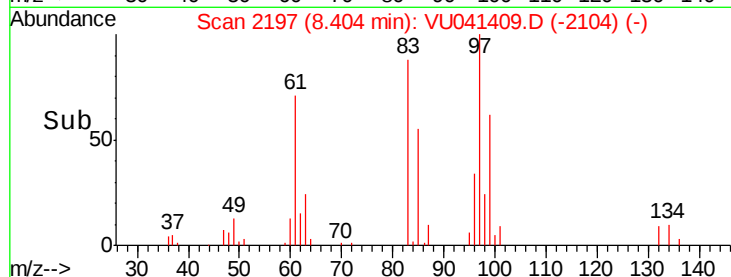
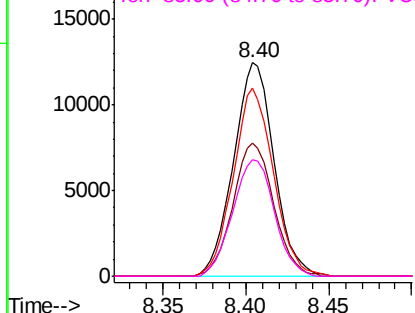


Abundance Ion 96.95 (96.65 to 97.65): VU041409.D (-2197) (-)

Ion 99.05 (98.75 to 99.75): VU041409.D (-2197) (-)

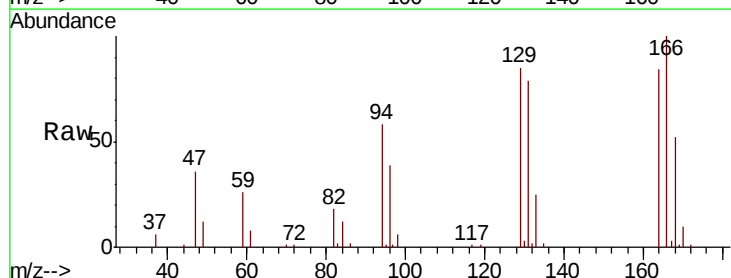
Ion 82.95 (82.65 to 83.65): VU041409.D (-2197) (-)

Ion 85.00 (84.70 to 85.70): VU041409.D (-2197) (-)



#47
Tetrachloroethene
Concen: 5.298 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

Tgt Ion:	164	Resp:	21367
Ion	Ratio	Lower	Upper
164	100		
129	101.5	71.0	131.9
131	94.4	69.0	128.1
166	118.8	92.4	171.6

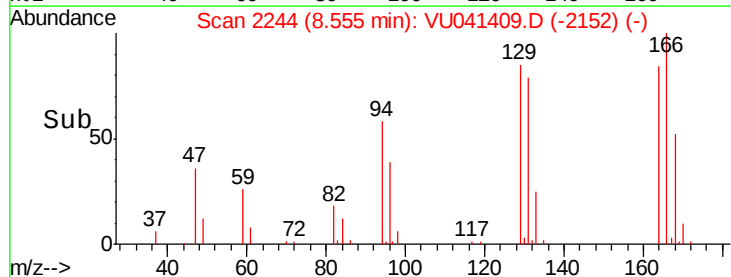
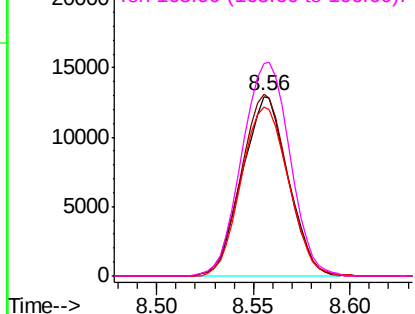


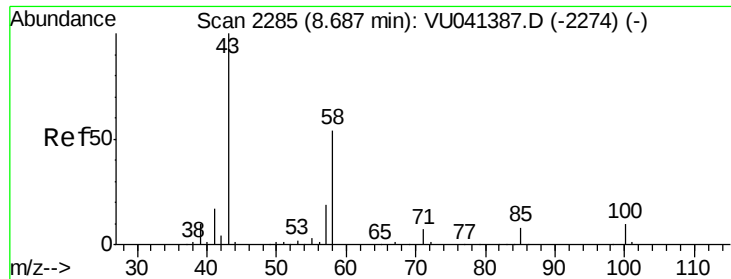
Abundance Ion 163.90 (163.60 to 164.60): VU041409.D (-2245) (-)

Ion 128.95 (128.65 to 129.65): VU041409.D (-2245) (-)

Ion 130.95 (130.65 to 131.65): VU041409.D (-2245) (-)

Ion 165.90 (165.60 to 166.60): VU041409.D (-2245) (-)

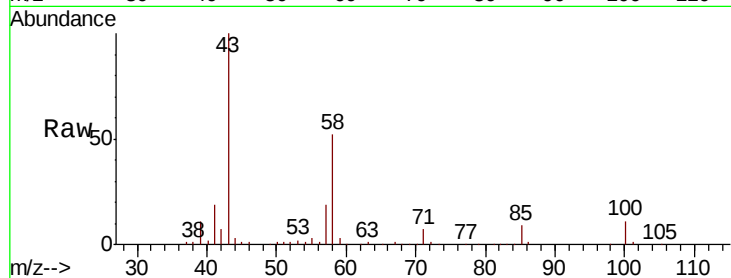




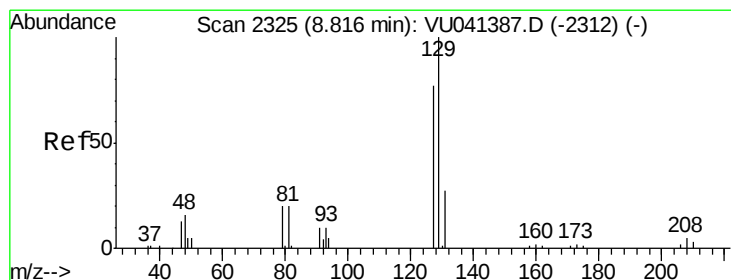
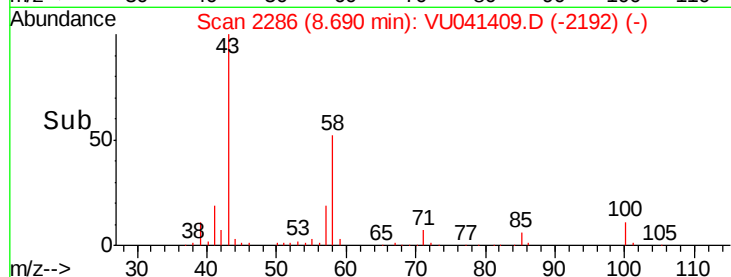
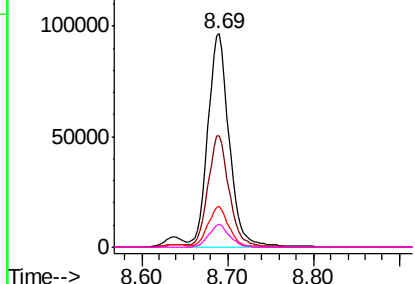
#48
2-Hexanone
Concen: 68.920 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 168369
Ion Ratio Lower Upper
43 100
58 51.5 42.0 63.0
57 18.5 15.0 22.4
100 10.5 8.4 12.6

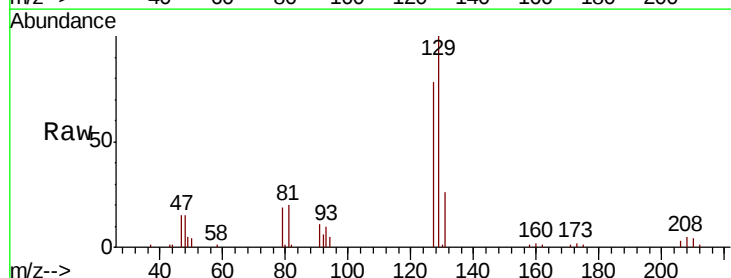


Abundance Ion 43.05 (42.75 to 43.75): VU041409.D (-2285) (-)
Ion 58.05 (57.75 to 58.75): VU041409.D (-2285) (-)
Ion 57.20 (56.90 to 57.90): VU041409.D (-2285) (-)
Ion 100.15 (99.85 to 100.85): VU041409.D (-2285) (-)

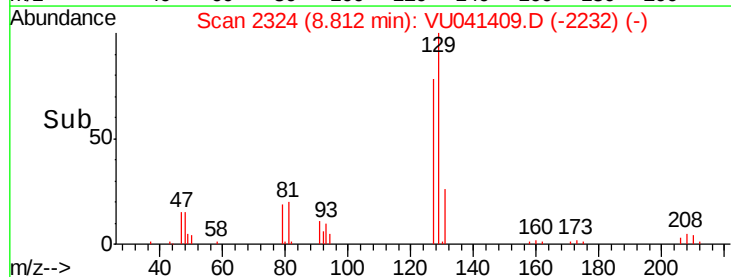
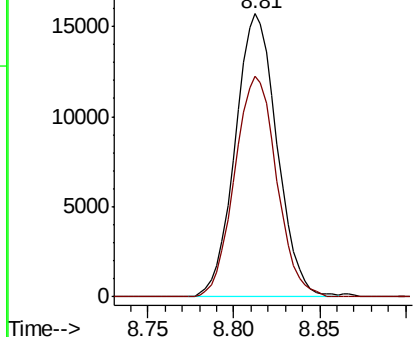


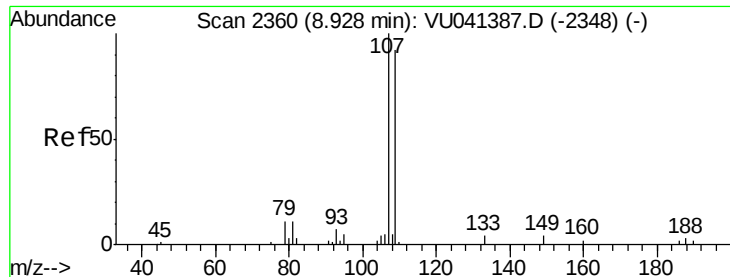
#49
Dibromochloromethane
Concen: 5.614 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

Tgt Ion: 129 Resp: 26591
Ion Ratio Lower Upper
129 100
127 77.8 55.6 103.4



Abundance Ion 128.95 (128.65 to 129.65): VU041409.D (-2325) (-)
Ion 126.90 (126.60 to 127.60): VU041409.D (-2325) (-)

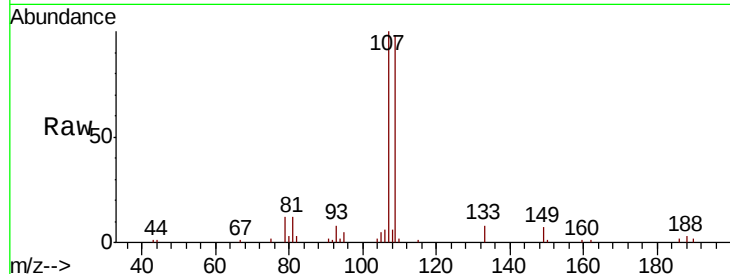




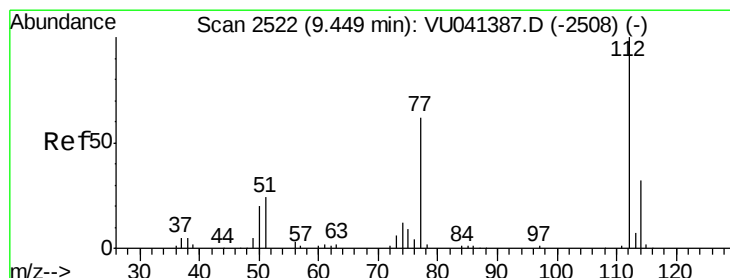
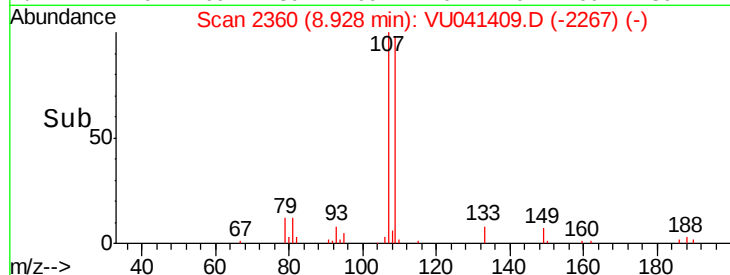
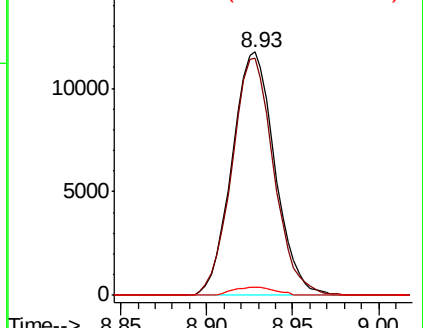
#50
1,2-Dibromoethane
Concen: 5.733 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 20394
Ion Ratio Lower Upper
107 100
109 97.7 63.4 117.8
188 3.4 2.2 3.4#

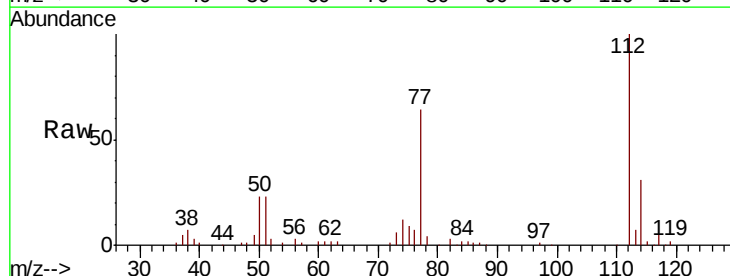


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

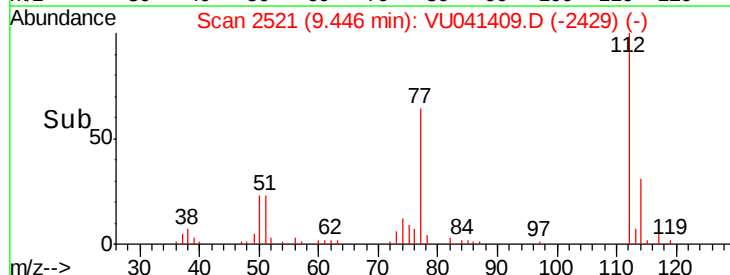
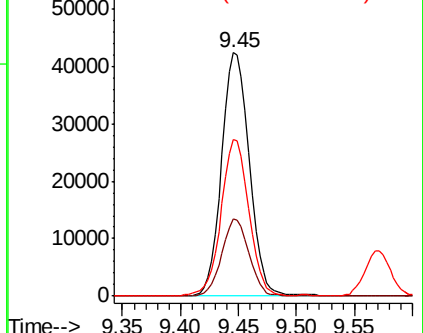


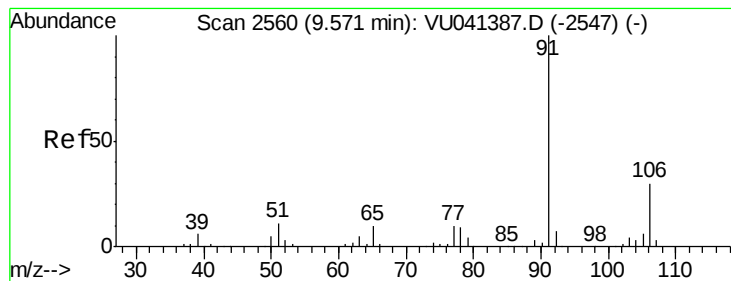
#51
Chlorobenzene
Concen: 5.140 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

Tgt Ion:112 Resp: 70170
Ion Ratio Lower Upper
112 100
114 31.5 22.3 41.3
77 64.2 52.2 78.4



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





#52

Ethylbenzene

Concen: 5.163 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

Instrument :

MSVOA_U

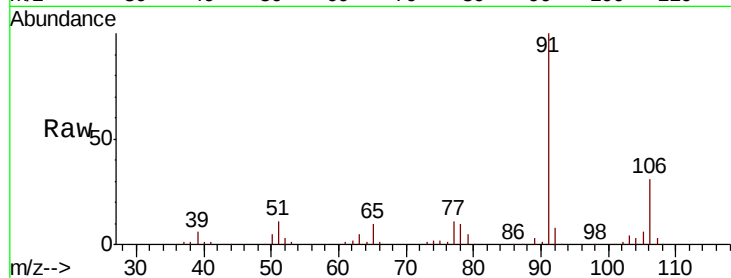
ClientSampleId :

Tot Ion: 91 Resp: 116405

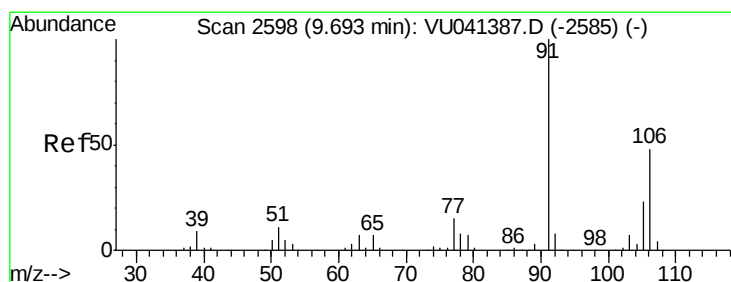
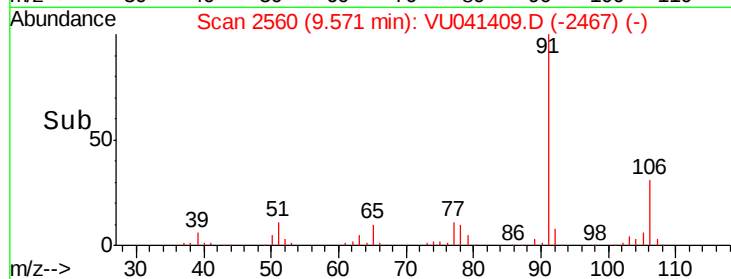
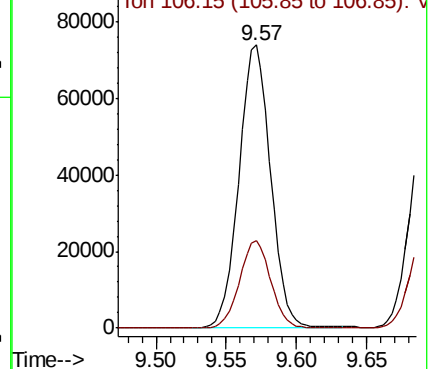
Ion Ratio Lower Upper

91 100

106 30.9 20.6 38.2



Abundance Ion 91.15 (90.85 to 91.85): VU041387.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.457 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041409.D

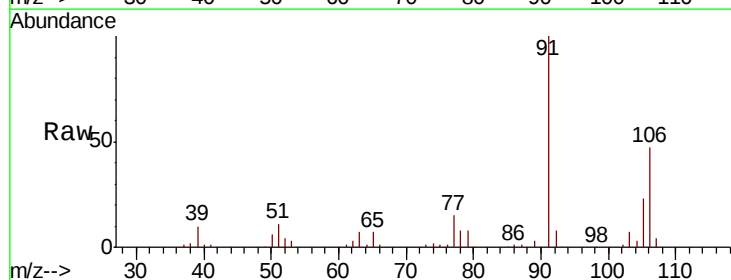
Acq: 24 Nov 2020 10:17

Tgt Ion: 106 Resp: 45056

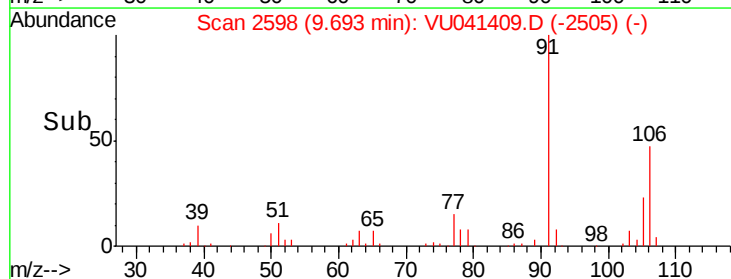
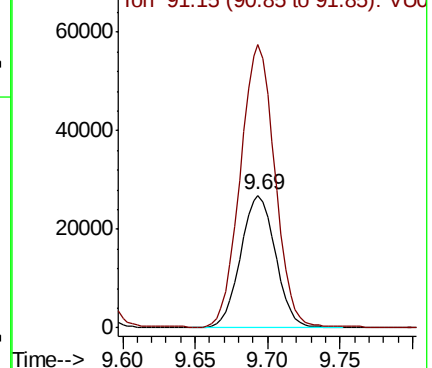
Ion Ratio Lower Upper

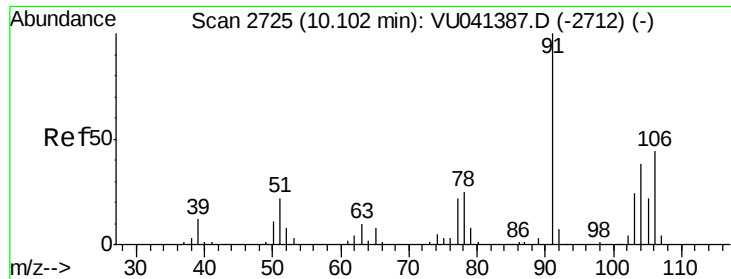
106 100

91 213.6 145.0 269.4



Abundance Ion 106.15 (105.85 to 106.85): VU041387.D (-2585) (-)

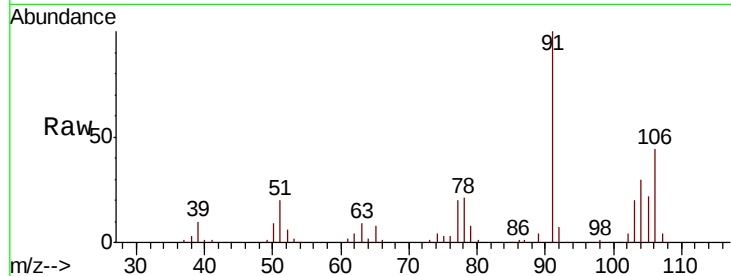




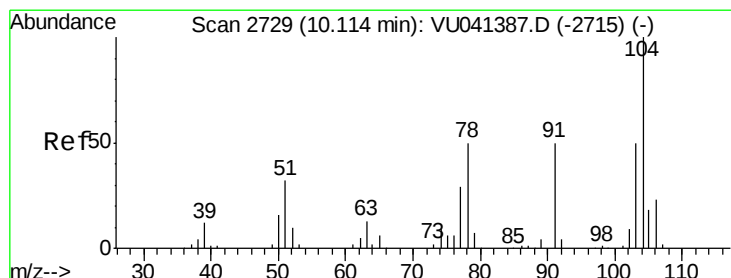
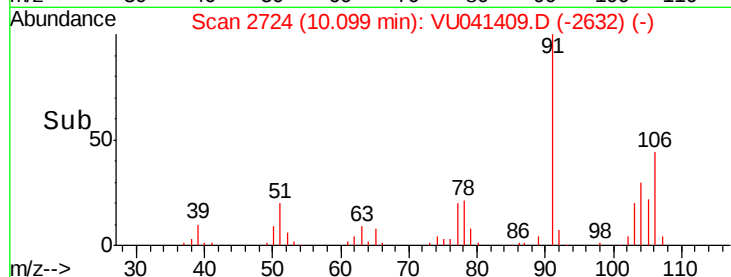
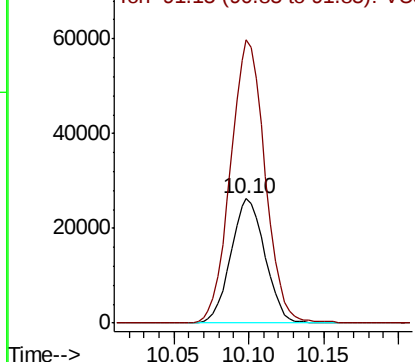
#54
o-Xylene
Concen: 5.264 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 41872
Ion Ratio Lower Upper
106 100
91 227.9 162.0 300.8

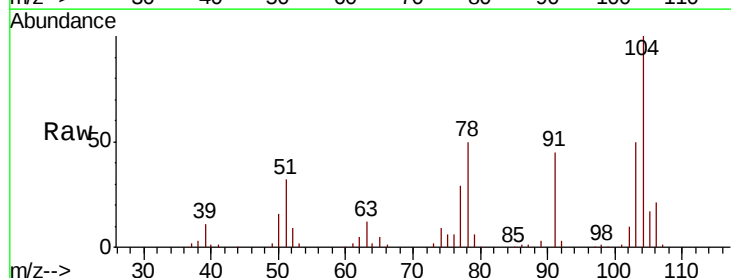


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

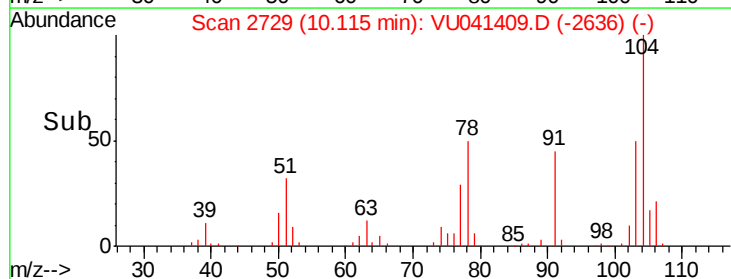
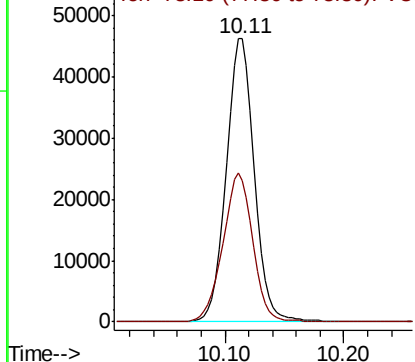


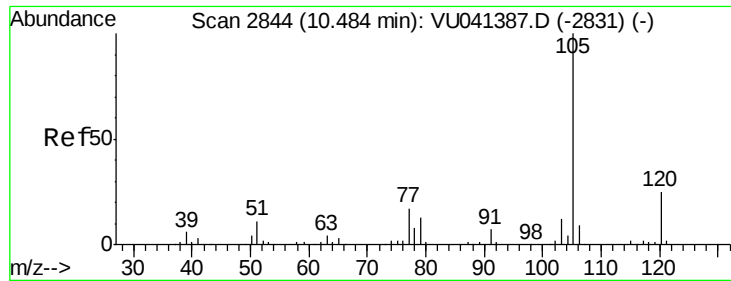
#55
Styrene
Concen: 5.671 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041409.D
Acq: 24 Nov 2020 10:17

Tgt Ion:104 Resp: 75280
Ion Ratio Lower Upper
104 100
78 50.0 35.9 66.7



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





#56

Isopropylbenzene

Concen: 5.456 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

Instrument :

MSVOA_U

ClientSampled :

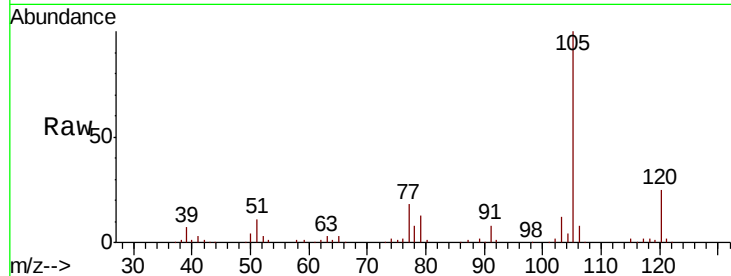
Tot Ion:105 Resp: 116536

Ion Ratio Lower Upper

105 100

120 24.8 20.1 30.1

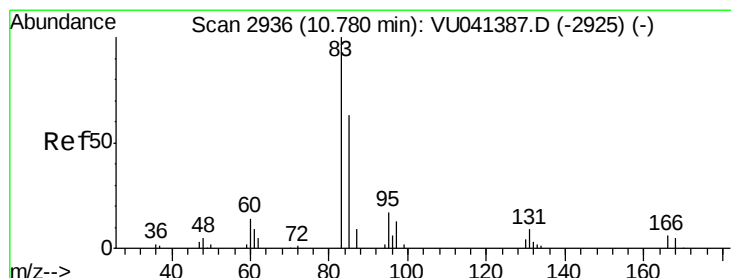
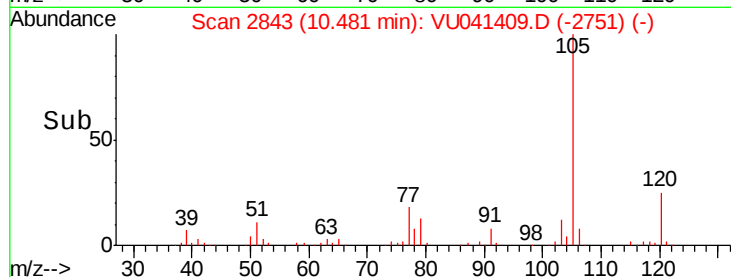
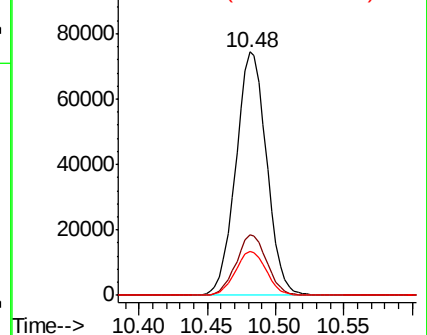
77 18.1 14.0 21.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 6.045 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

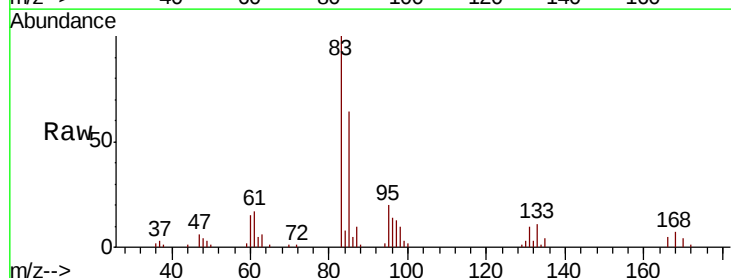
Tgt Ion: 83 Resp: 27975

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.9

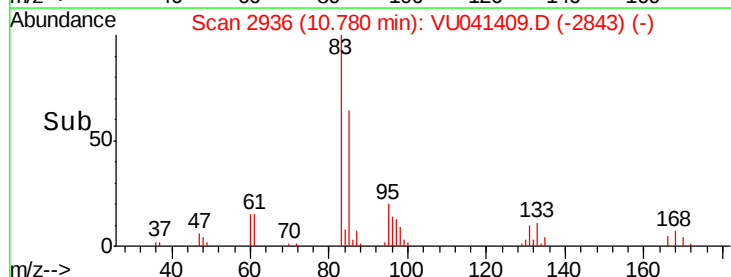
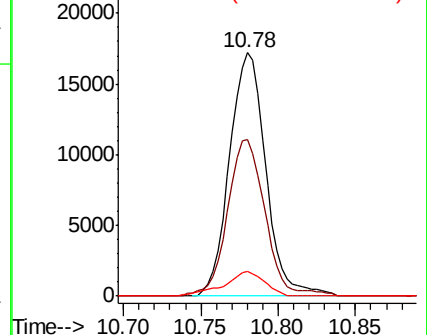
131 10.1 7.6 11.4

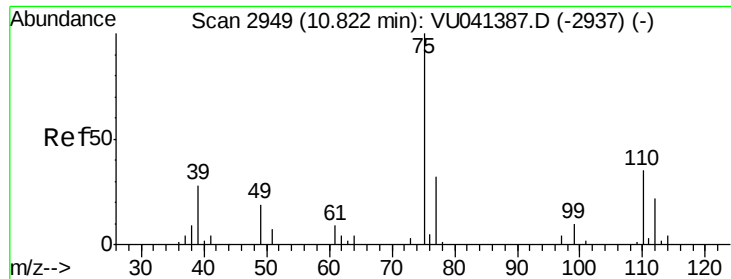


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 6.276 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

Instrument :

MSVOA_U

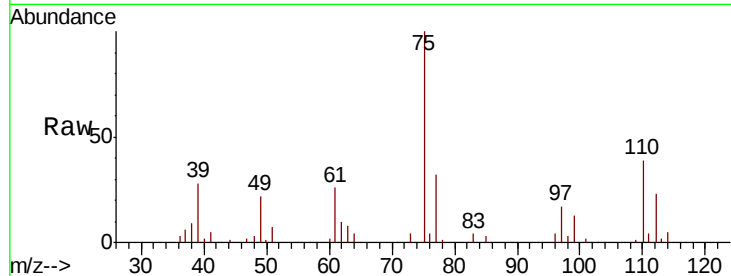
ClientSampleId :

Tot Ion: 75 Resp: 22250

Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VU041387.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041387.D (-2937) (-)

10.82

15000

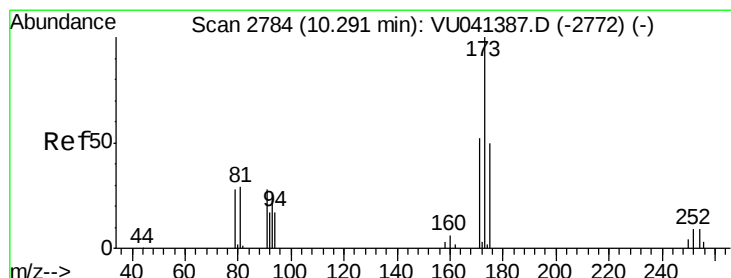
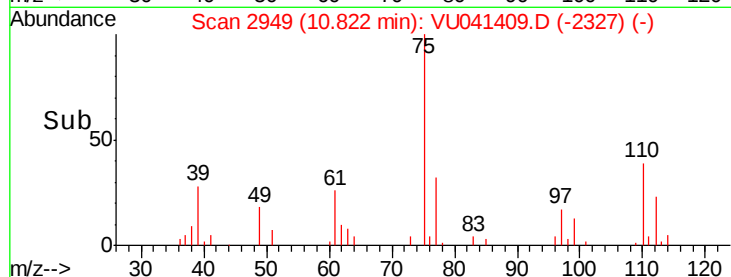
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 5.716 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

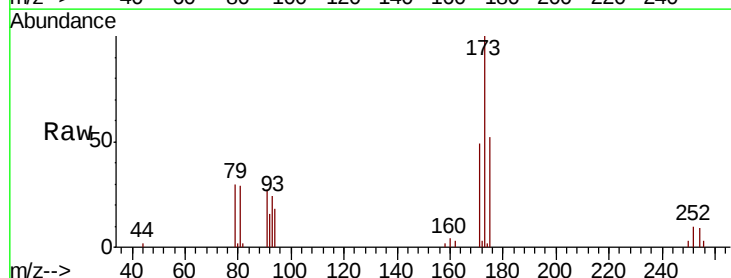
Tgt Ion: 173 Resp: 15913

Ion Ratio Lower Upper

173 100

175 48.7 37.9 56.9

254 9.0 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): VU041387.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041387.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041387.D (-2772) (-)

10.29

12000

10000

8000

6000

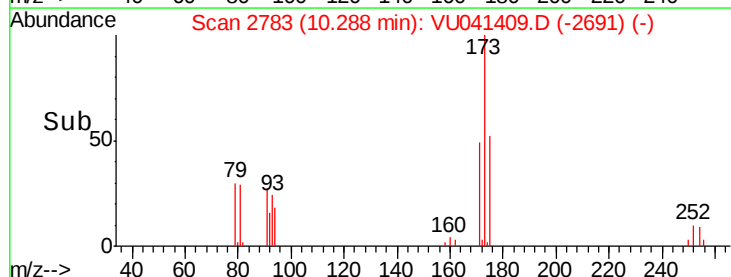
4000

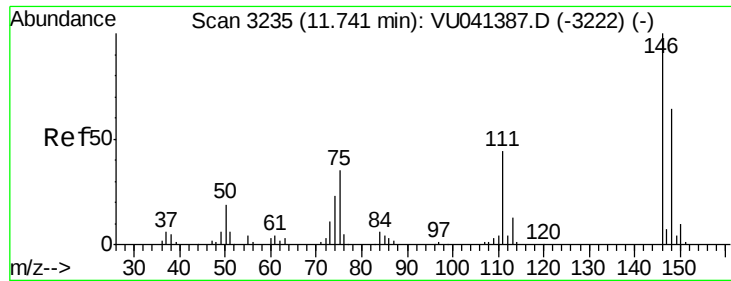
2000

0

Time-->

10.25 10.30 10.35

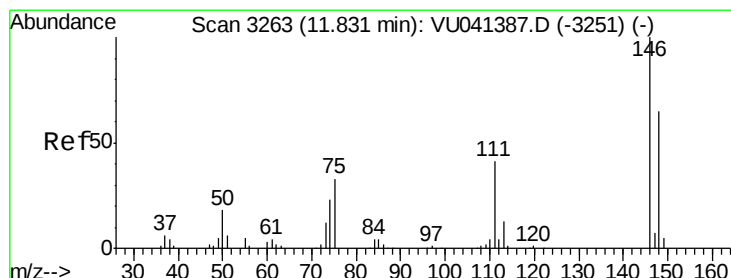
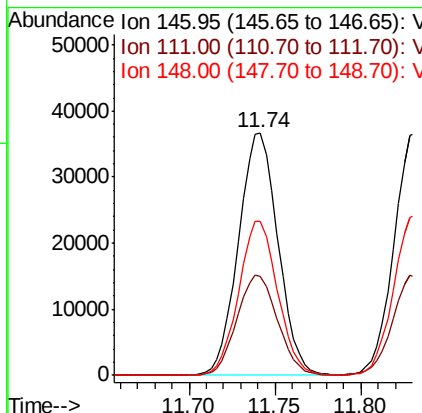
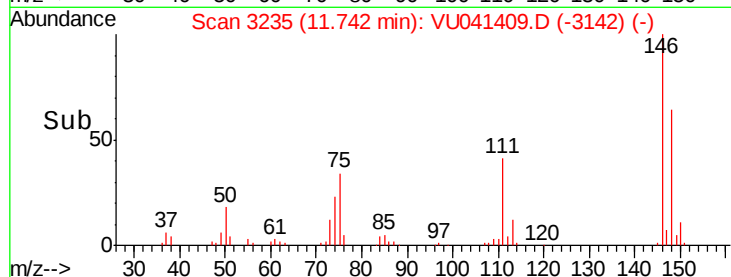
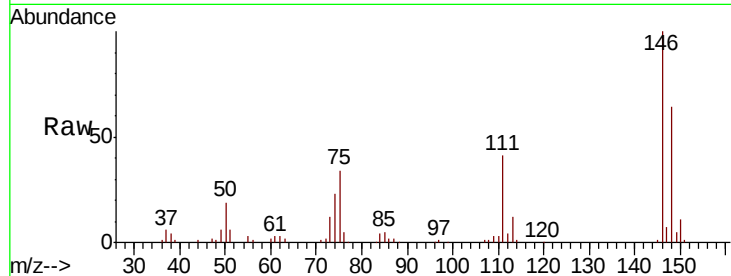




#62
 1,3-Dichlorobenzene
 Concen: 5.131 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041409.D
 Acq: 24 Nov 2020 10:17

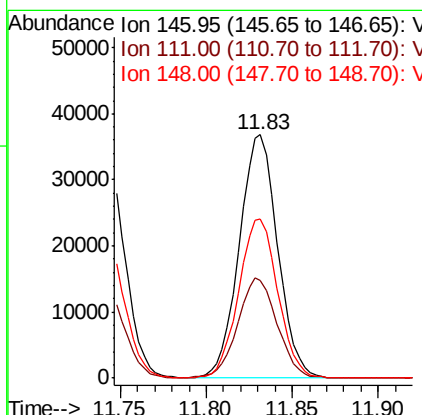
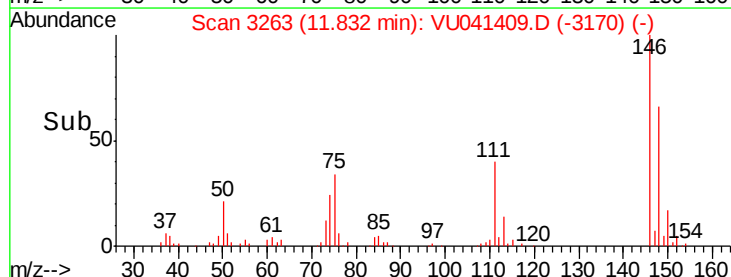
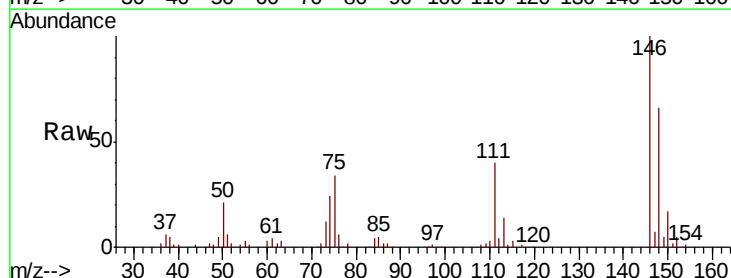
Instrument :
 MSVOA_U
 ClientSampled :

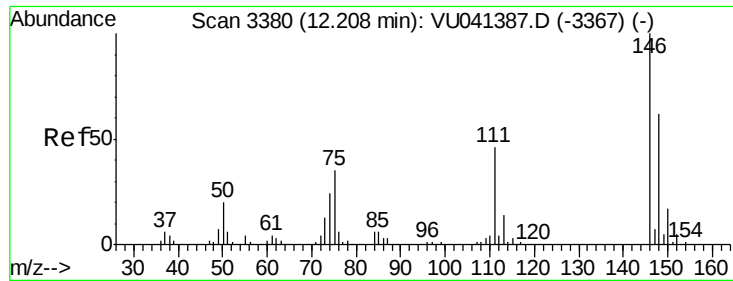
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	29.5	54.7
148	63.6	46.3	85.9



#63
 1,4-Dichlorobenzene
 Concen: 5.037 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041409.D
 Acq: 24 Nov 2020 10:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	30.0	55.6
148	65.6	44.4	82.5

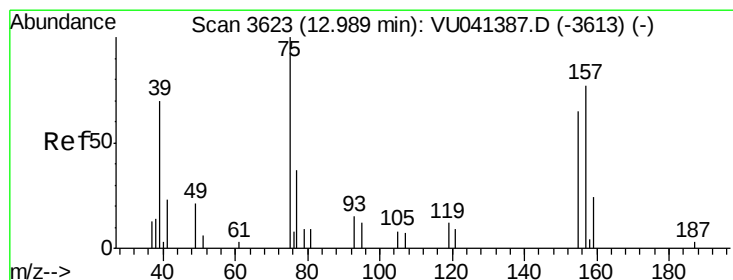
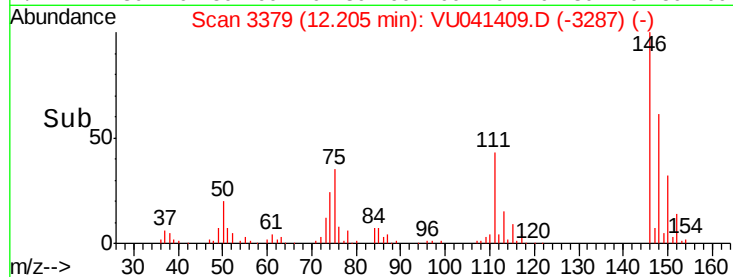
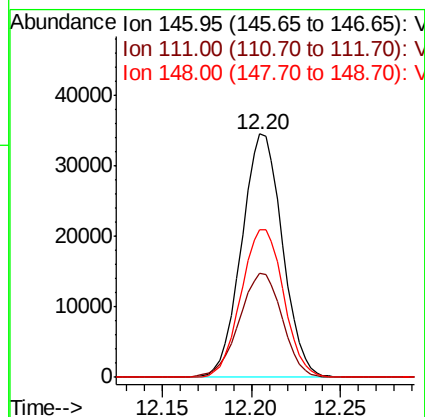
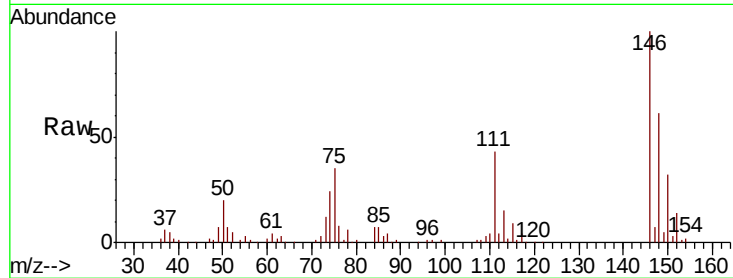




#65
 1,2-Dichlorobenzene
 Concen: 5.214 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041409.D
 Acq: 24 Nov 2020 10:17

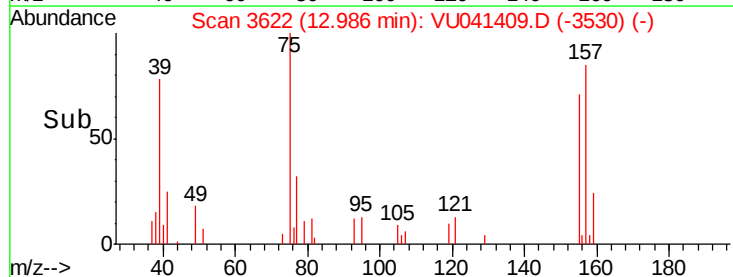
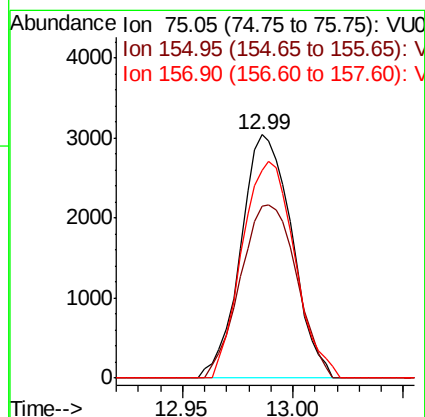
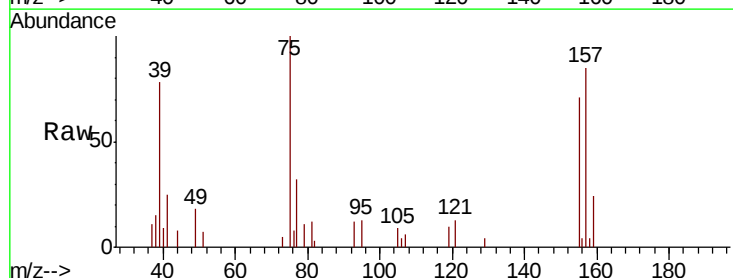
Instrument :
 MSVOA_U
 ClientSampleId :

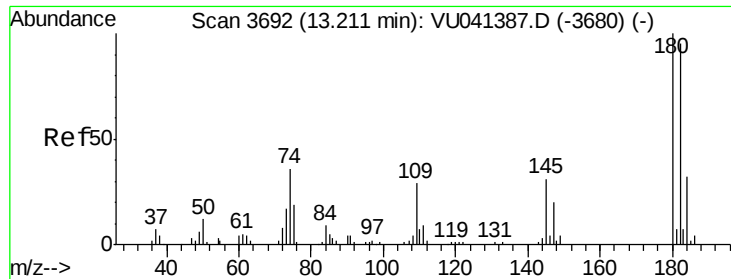
Tot Ion:146 Resp: 55078
 Ion Ratio Lower Upper
 146 100
 111 42.7 35.3 52.9
 148 60.7 48.6 73.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.877 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041409.D
 Acq: 24 Nov 2020 10:17

Tgt Ion: 75 Resp: 4865
 Ion Ratio Lower Upper
 75 100
 155 70.6 51.9 77.9
 157 85.3 71.5 107.3

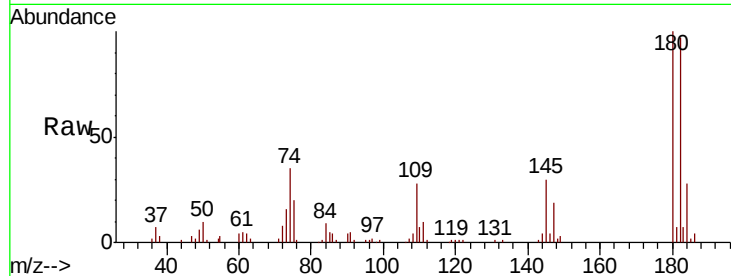




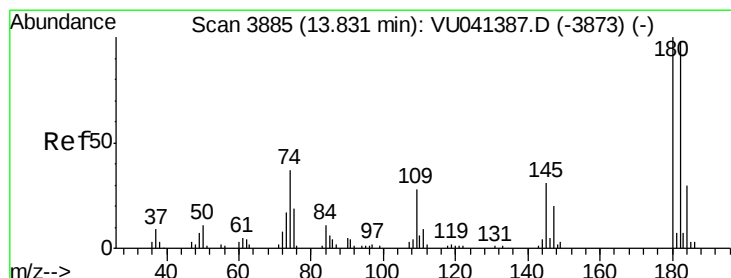
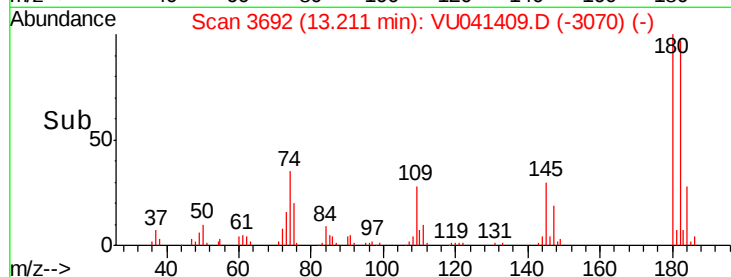
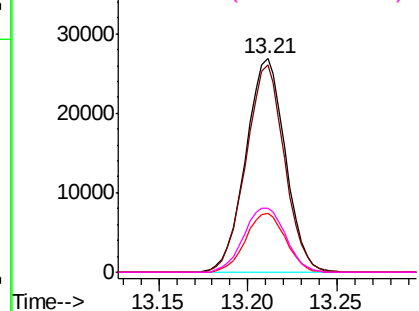
#67
 1,3,5-Trichlorobenzene
 Concen: 5.188 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041409.D
 Acq: 24 Nov 2020 10:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 41636
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.5 116.3
 184 28.1 25.7 38.5
 145 32.0 26.2 39.2

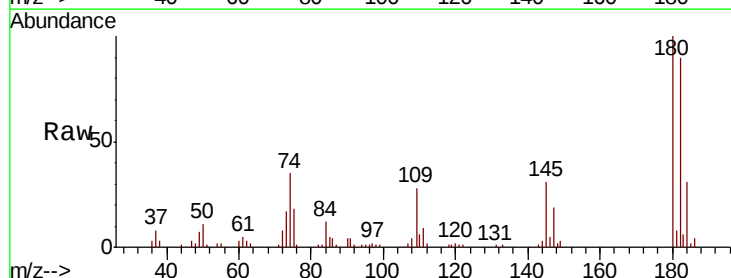


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

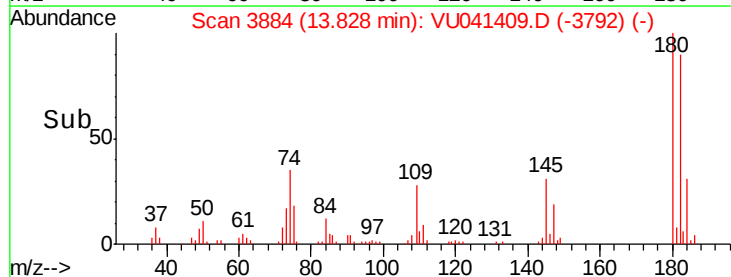
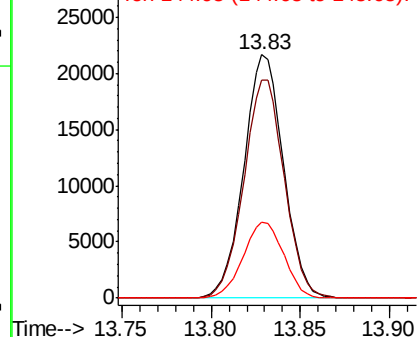


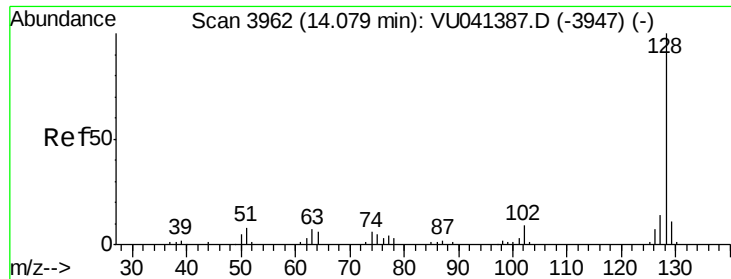
#68
 1,2,4-trichlorobenzene
 Concen: 5.345 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041409.D
 Acq: 24 Nov 2020 10:17

Tgt Ion:180 Resp: 33669
 Ion Ratio Lower Upper
 180 100
 182 91.4 76.0 114.0
 145 31.8 25.7 38.5



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





#69

Naphthalene

Concen: 5.333 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

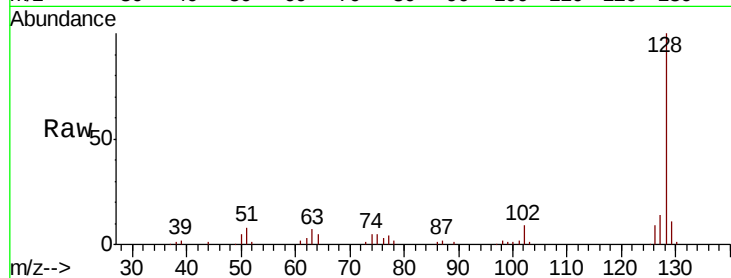
Tot Ion:128 Resp: 52781

Ion Ratio Lower Upper

128 100

129 10.7 8.3 12.5

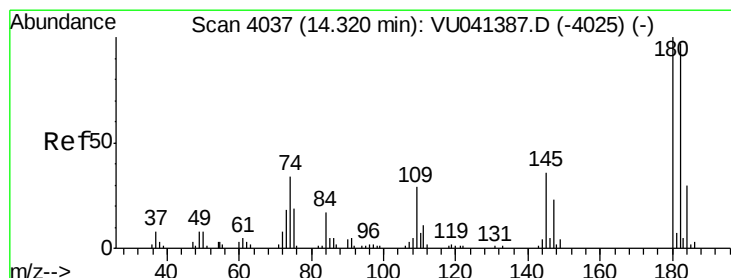
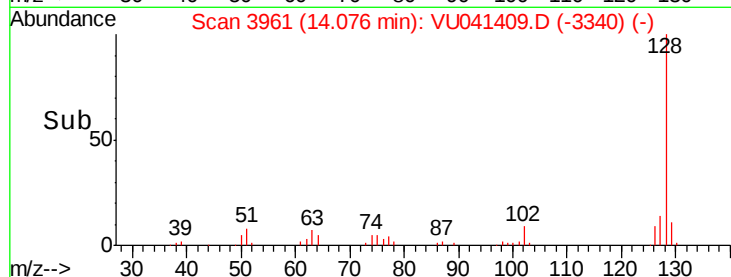
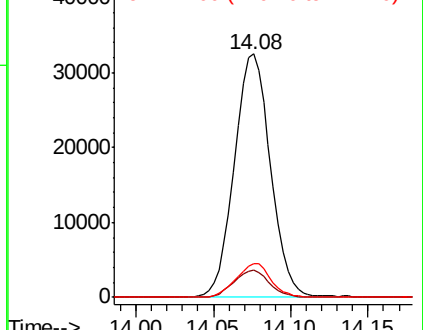
127 13.3 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.437 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041409.D

Acq: 24 Nov 2020 10:17

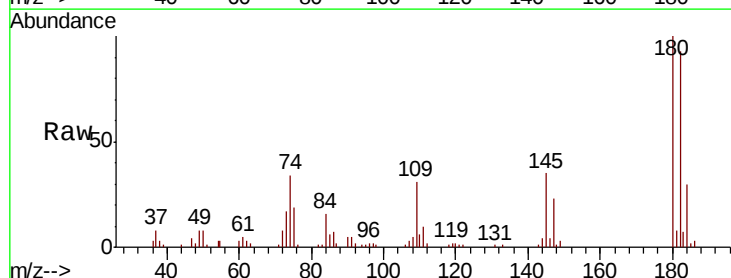
Tgt Ion:180 Resp: 31298

Ion Ratio Lower Upper

180 100

182 93.7 75.9 113.9

145 35.0 27.7 41.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

