

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102120\
 Data File : VU040897.D
 Acq On : 22 Oct 2020 00:51
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Quant Time: Oct 22 01:15:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 00:42:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	236744	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	236416	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	121958	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	76366	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.92	69	68601	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.58	63	164627	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	4.65	46	355475	61.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.38%
24) Chloroform-d	5.08	84	174458	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.72	65	105375	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.74	84	302743	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.70	67	103686	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.91	98	275414	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	8.19	79	43110	5.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.40%
46) 2-Hexanone-d5	8.64	63	272942	64.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.94%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	104641	5.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	105239	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	117574	4.892	ug/L 100
3) Chloromethane	1.53	50	127455	4.886	ug/L 98
5) Vinyl chloride	1.61	62	124043	5.114	ug/L 95
6) Bromomethane	1.87	94	66574	5.447	ug/L 99
8) Chloroethane	1.94	64	74860	4.774	ug/L 100
9) Trichlorofluoromethane	2.15	101	163571	5.111	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	92848	4.992	ug/L 99
12) 1,1-Dichloroethene	2.59	96	86958	5.015	ug/L 95
13) Acetone	2.66	43	236422	58.376	ug/L 98
14) Carbon disulfide	2.81	76	304831	4.941	ug/L 99
15) Methyl Acetate	2.97	43	57760	5.639	ug/L 100
16) Methylene chloride	3.06	84	113492	5.322	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	225861	5.351	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	92199	5.127	ug/L 94
19) 1,1-Dichloroethane	3.89	63	185798	5.136	ug/L 97
21) 2-Butanone	4.73	43	385063	63.082	ug/L 99
22) cis-1,2-Dichloroethene	4.69	96	96371	4.881	ug/L 99

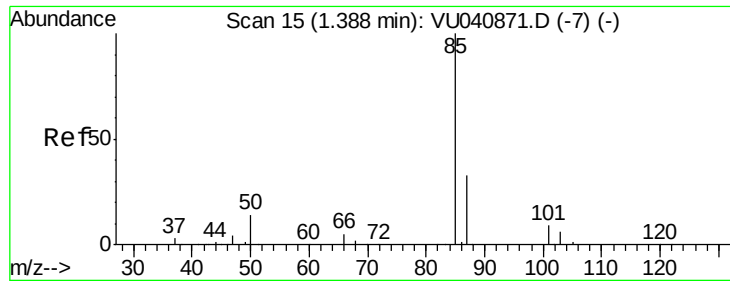
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	47182	5.346	ug/L	98
25) Chloroform	5.11	83	184579	5.000	ug/L	94
27) 1,2-Dichloroethane	5.81	62	139323	5.527	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	159000	5.173	ug/L	99
30) Cyclohexane	5.41	56	150703	4.916	ug/L	98
31) Carbon tetrachloride	5.54	117	136961	5.070	ug/L	99
33) Benzene	5.79	78	390848	5.143	ug/L	100
34) Trichloroethene	6.56	95	96363	4.982	ug/L	97
35) Methylcyclohexane	6.77	83	136268	4.707	ug/L	97
37) 1,2-Dichloropropane	6.80	63	106241	5.178	ug/L	98
38) Bromodichloromethane	7.11	83	136816	5.252	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	137660	5.016	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	898591	65.261	ug/L	99
42) Toluene	7.98	91	401131	5.255	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	132803	5.345	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	78567	5.620	ug/L	97
47) Tetrachloroethene	8.56	164	71101	4.939	ug/L	99
48) 2-Hexanone	8.69	43	684607	68.348	ug/L	100
49) Dibromochloromethane	8.82	129	92562	5.549	ug/L	93
50) 1,2-Dibromoethane	8.93	107	75418	5.775	ug/L	98
51) Chlorobenzene	9.45	112	247133	5.014	ug/L	99
52) Ethylbenzene	9.57	91	408654	4.979	ug/L	99
53) m,p-Xylene	9.69	106	154652	5.231	ug/L	90
54) o-Xylene	10.10	106	143706	5.112	ug/L	96
55) Styrene	10.11	104	260865	5.334	ug/L	100
56) Isopropylbenzene	10.48	105	385734	5.127	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	106230	5.965	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	78238	5.867	ug/L	98
61) Bromoform	10.29	173	50688	5.669	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	193831	5.016	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	193185	4.864	ug/L	92
65) 1,2-Dichlorobenzene	12.21	146	187902	5.181	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	19086	5.656	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	127170	4.483	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	107892	4.512	ug/L	99
69) Naphthalene	14.08	128	206597	4.694	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	105443	4.547	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.892 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

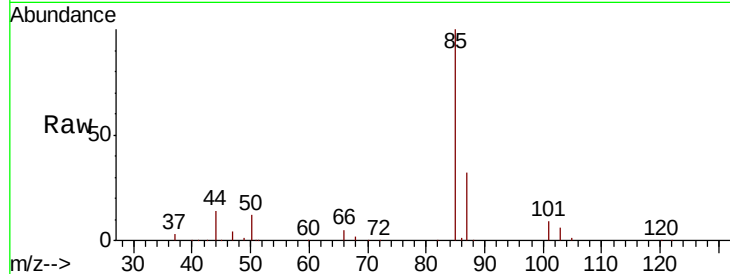
VSTD00523

Tot Ion: 85 Resp: 117574

Ion Ratio Lower Upper

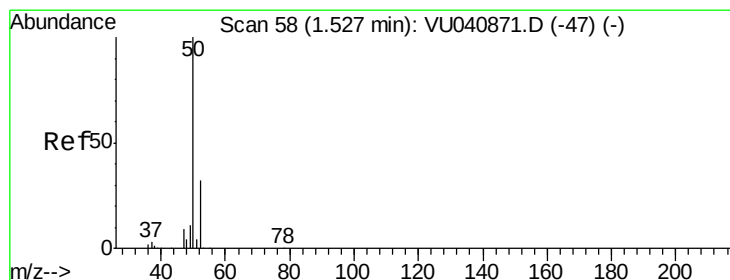
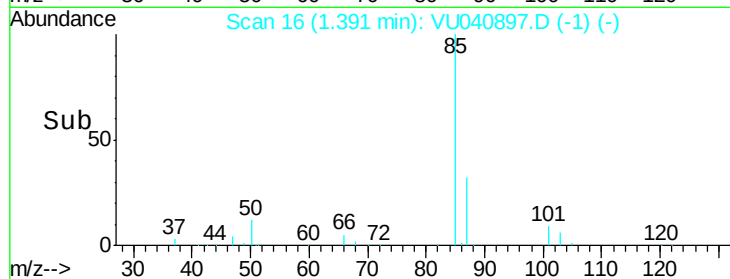
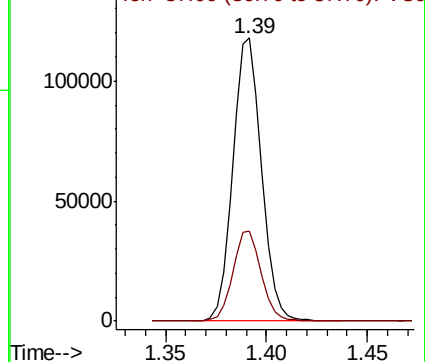
85 100

87 31.3 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.886 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040897.D

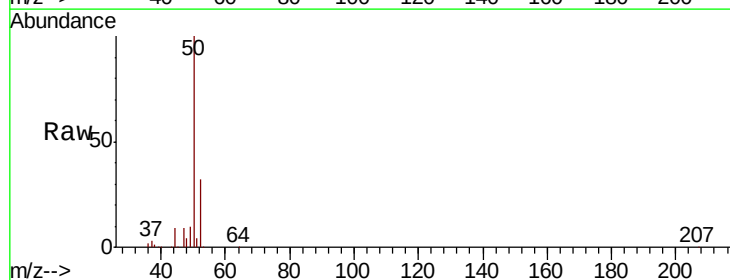
Acq: 22 Oct 2020 00:51

Tgt Ion: 50 Resp: 127455

Ion Ratio Lower Upper

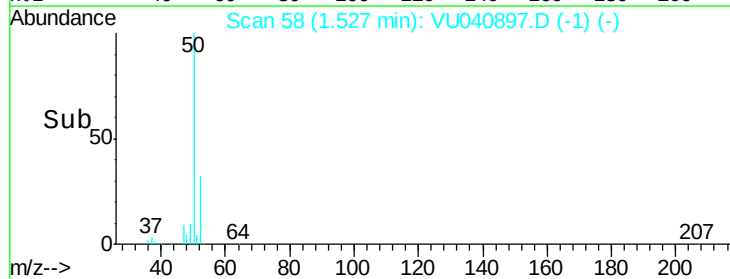
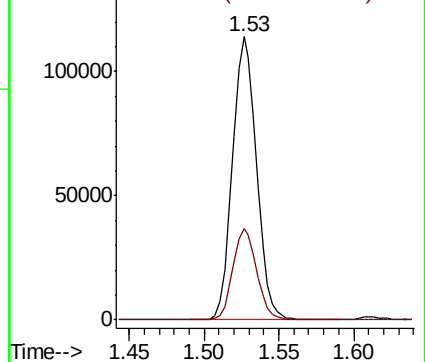
50 100

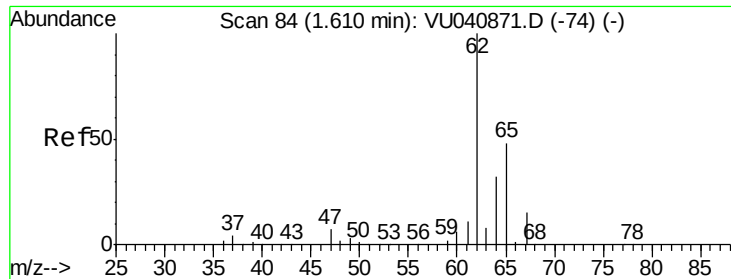
52 32.3 21.8 40.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.114 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

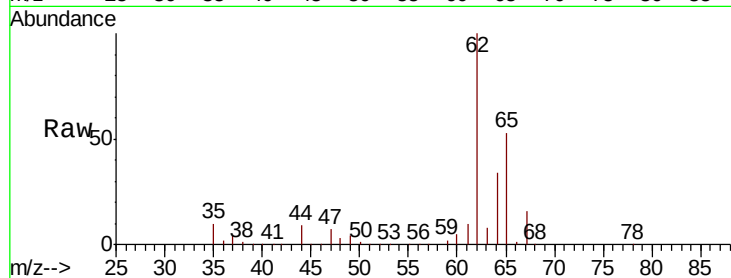
VSTD00523

Tot Ion: 62 Resp: 124043

Ion Ratio Lower Upper

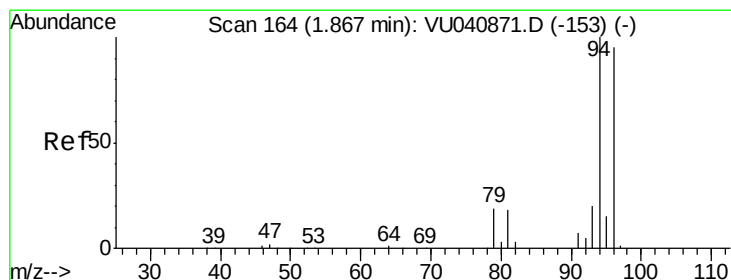
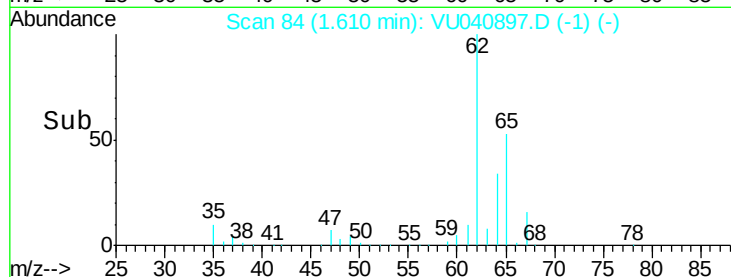
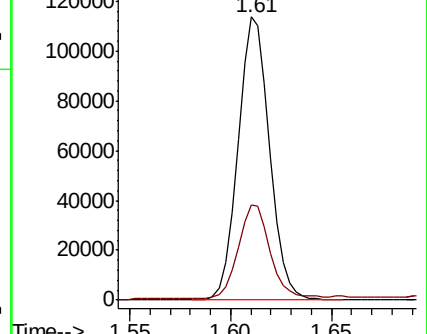
62 100

64 33.8 21.8 40.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.447 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040897.D

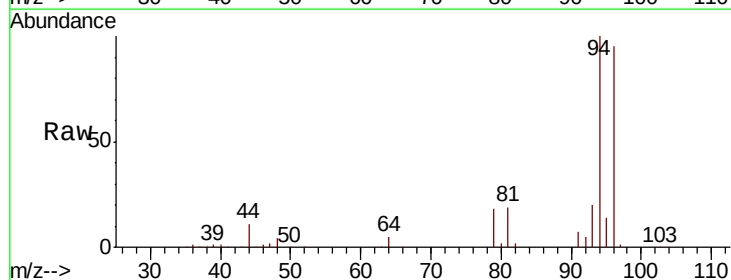
Acq: 22 Oct 2020 00:51

Tgt Ion: 94 Resp: 66574

Ion Ratio Lower Upper

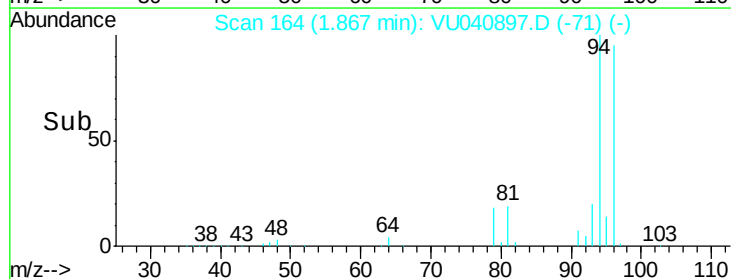
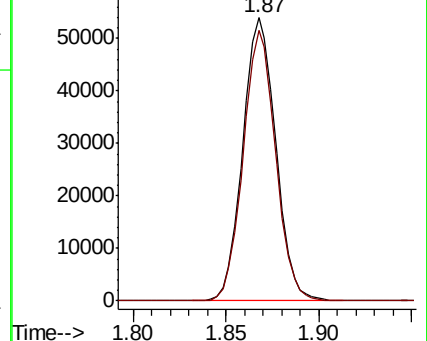
94 100

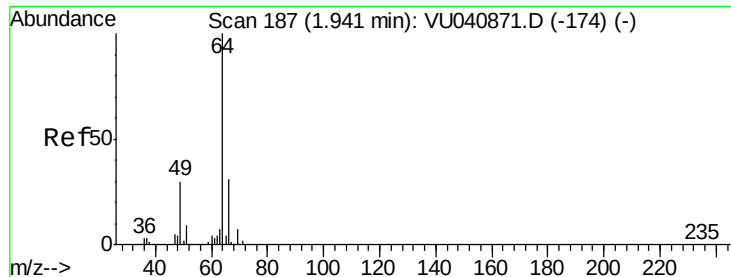
96 95.5 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.774 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

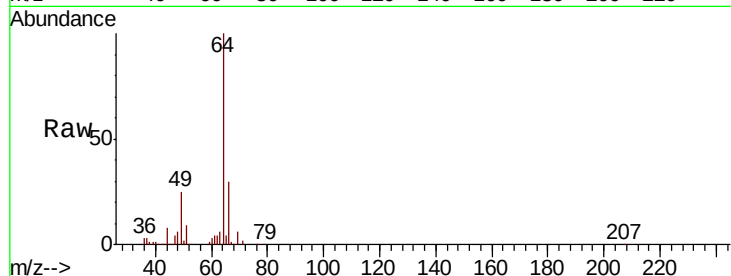
VSTD00523

Tot Ion: 64 Resp: 74860

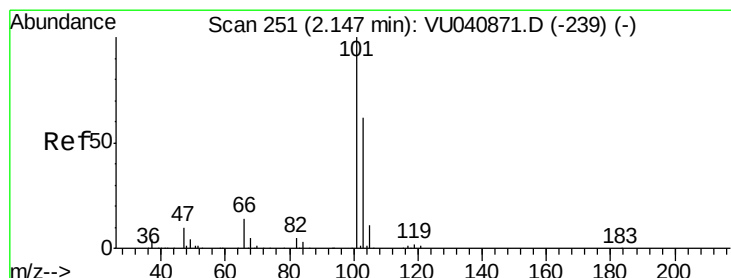
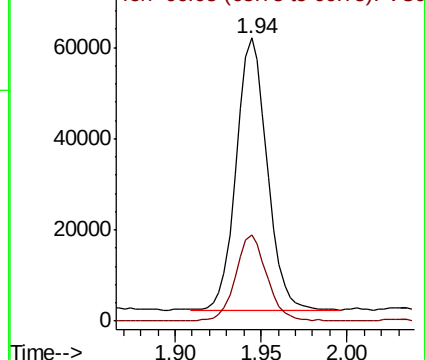
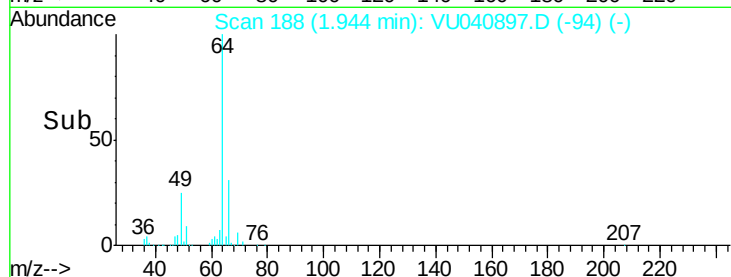
Ion Ratio Lower Upper

64 100

66 30.3 21.2 39.4



Abundance Ion 64.10 (63.80 to 64.80): VU040897.D (-94) (-)



#9

Trichlorofluoromethane

Concen: 5.111 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040897.D

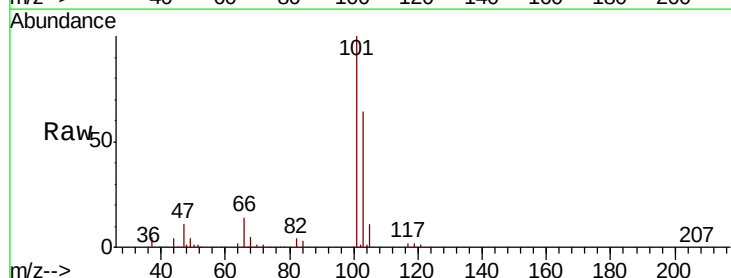
Acq: 22 Oct 2020 00:51

Tgt Ion:101 Resp: 163571

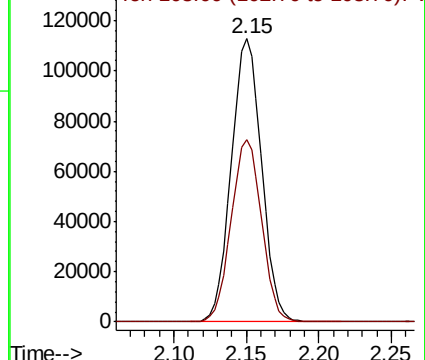
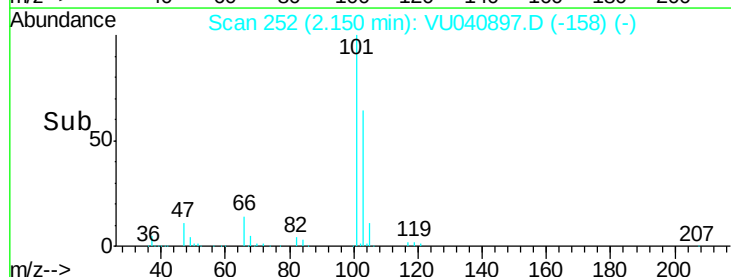
Ion Ratio Lower Upper

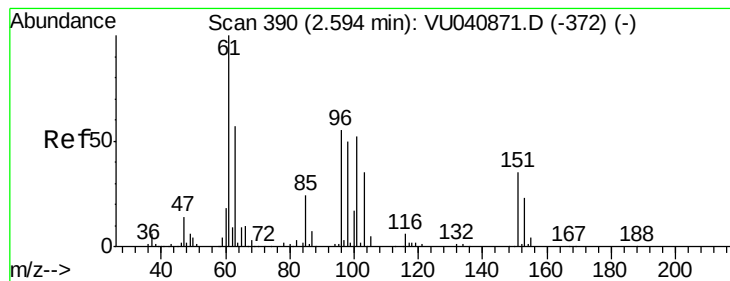
101 100

103 64.6 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU040897.D (-158) (-)





#10

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

Concen: 4.992 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

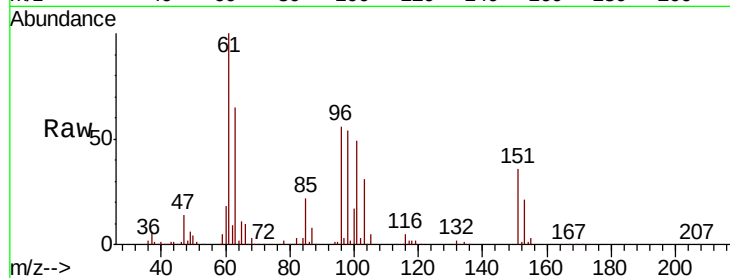
Tot Ion:101 Resp: 92848

Ion Ratio Lower Upper

101 100

85 44.3 36.4 54.6

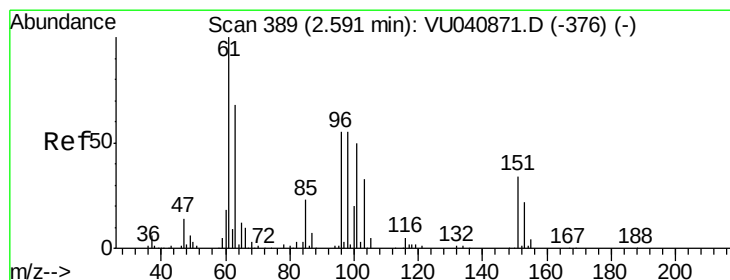
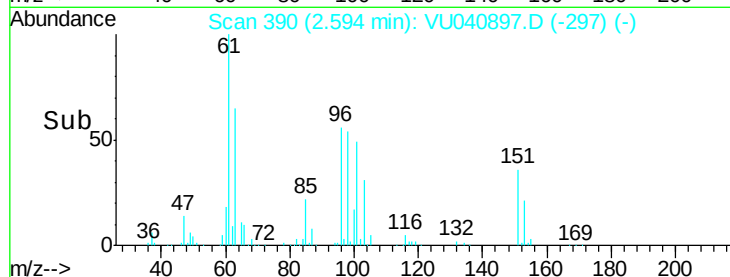
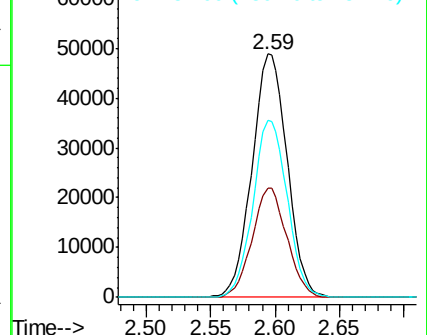
151 70.8 56.3 84.5



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: 5.015 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

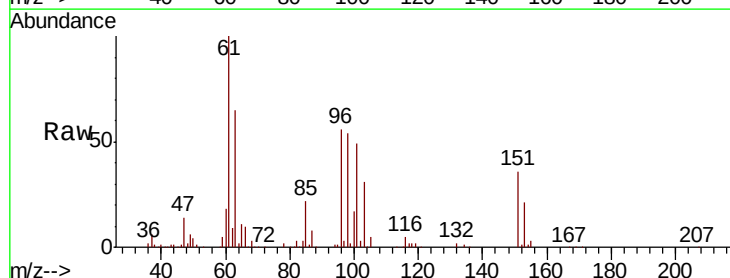
Tgt Ion: 96 Resp: 86958

Ion Ratio Lower Upper

96 100

61 179.3 130.9 243.1

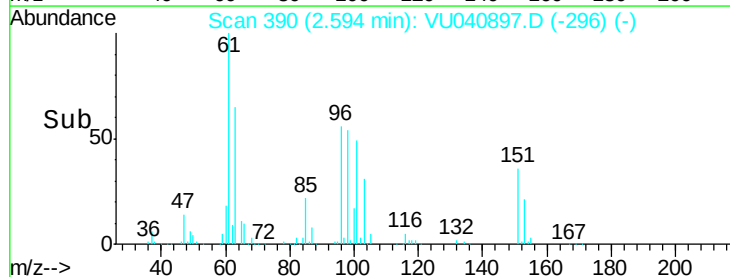
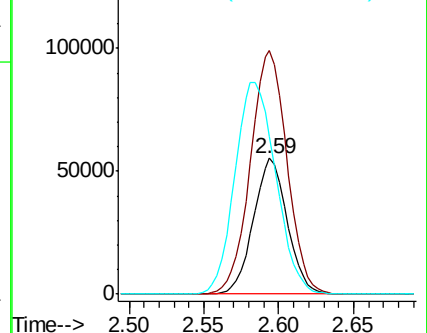
63 116.4 85.4 158.6

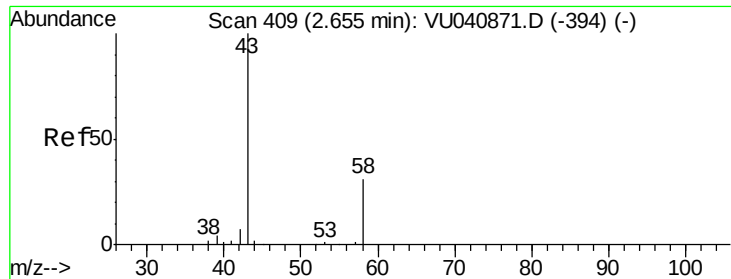


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 58.376 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

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Acq: 22 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

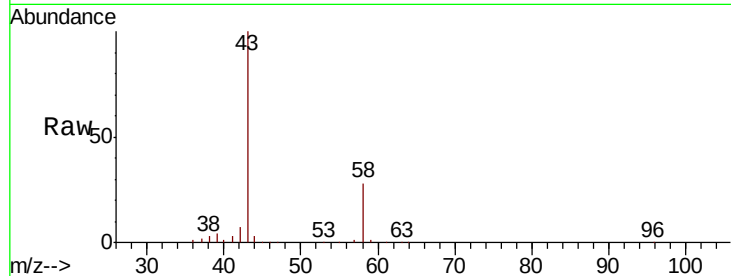
VSTD00523

Tot Ion: 43 Resp: 236422

Ion Ratio Lower Upper

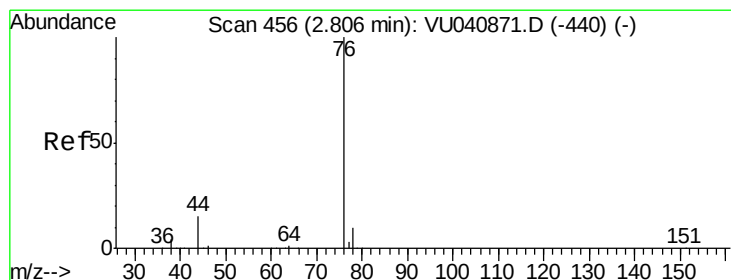
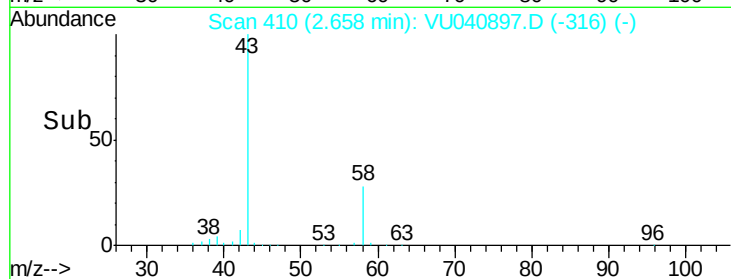
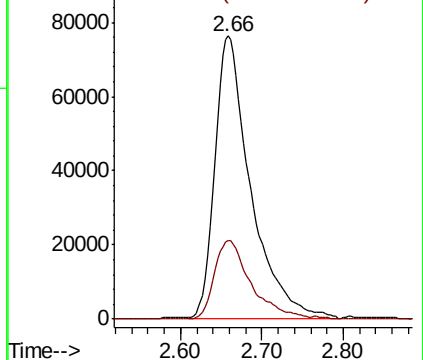
43 100

58 28.0 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.941 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040897.D

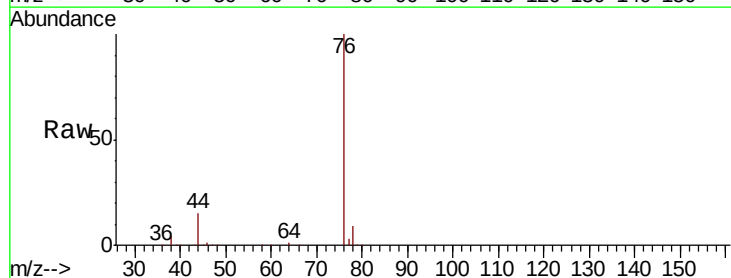
Acq: 22 Oct 2020 00:51

Tgt Ion: 76 Resp: 304831

Ion Ratio Lower Upper

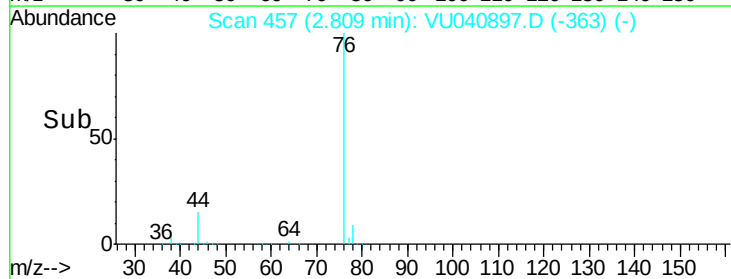
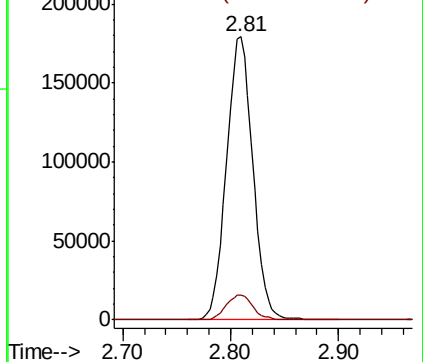
76 100

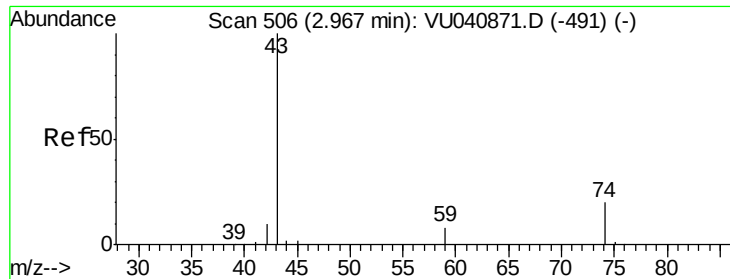
78 9.0 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

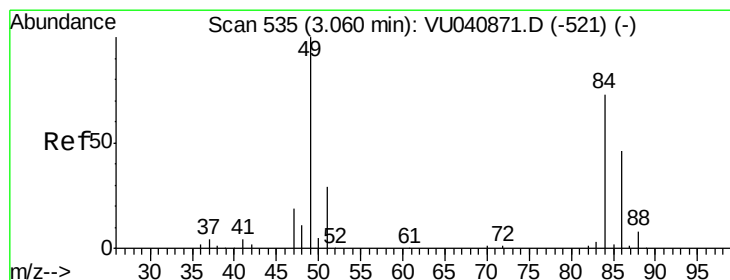
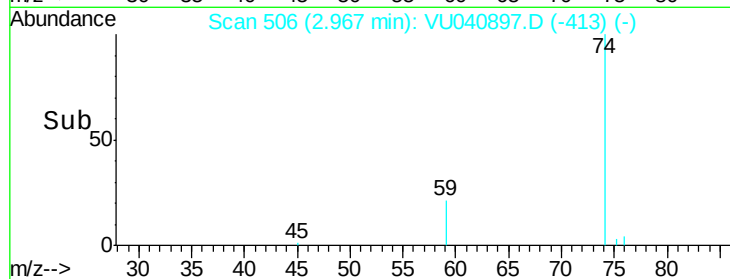
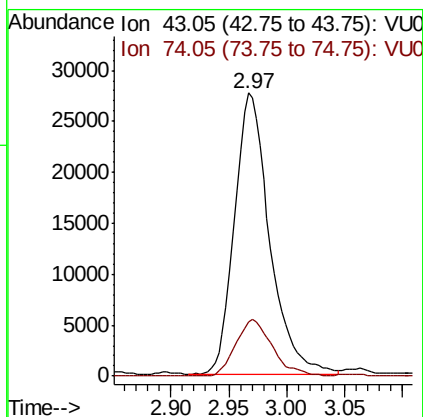
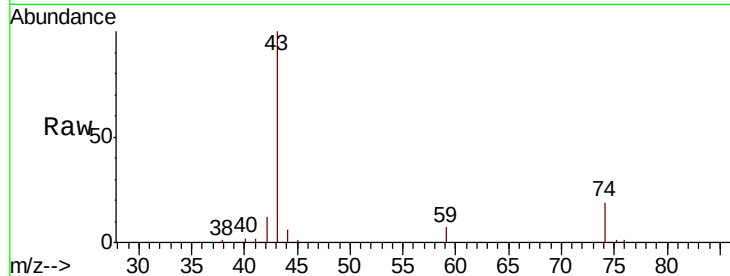




#15
Methvl Acetate
Concen: 5.639 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU040897.D
Acq: 22 Oct 2020 00:51

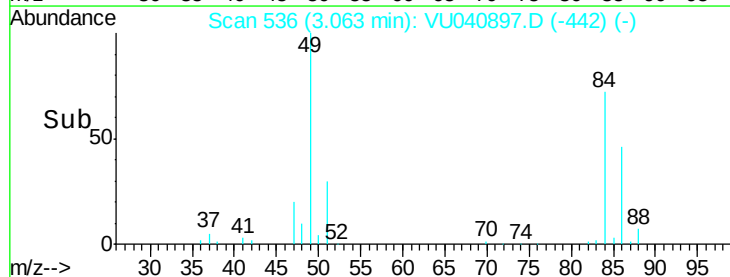
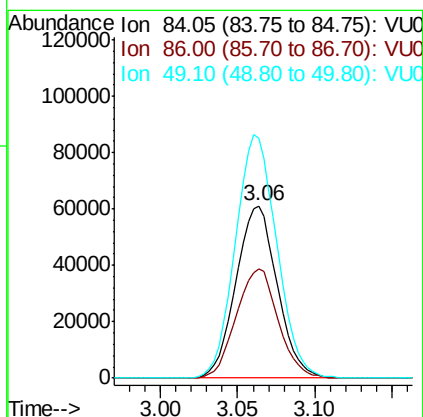
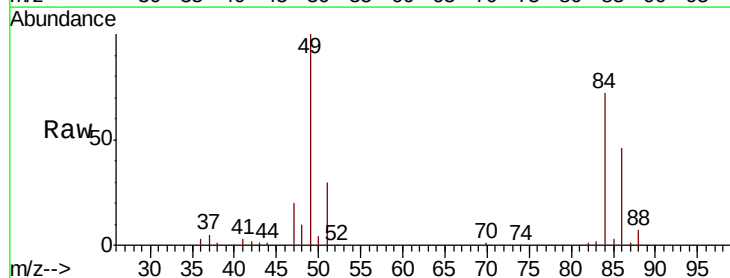
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

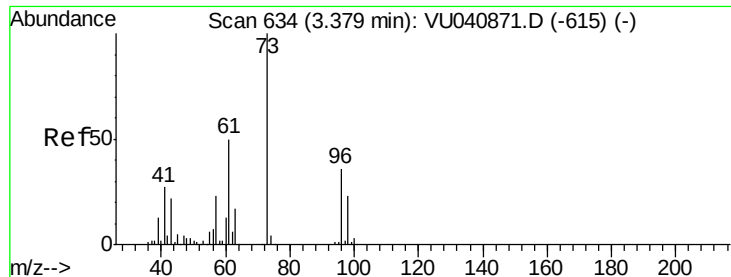
Tot Ion: 43 Resp: 57760
Ion Ratio Lower Upper
43 100
74 21.0 16.6 25.0



#16
Methylene chloride
Concen: 5.322 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040897.D
Acq: 22 Oct 2020 00:51

Tgt Ion: 84 Resp: 113492
Ion Ratio Lower Upper
84 100
86 63.5 44.9 83.5
49 139.4 94.7 175.9

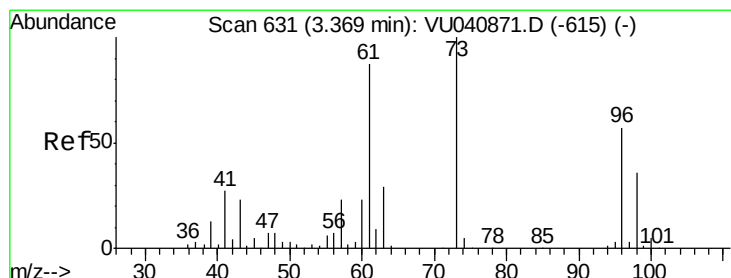
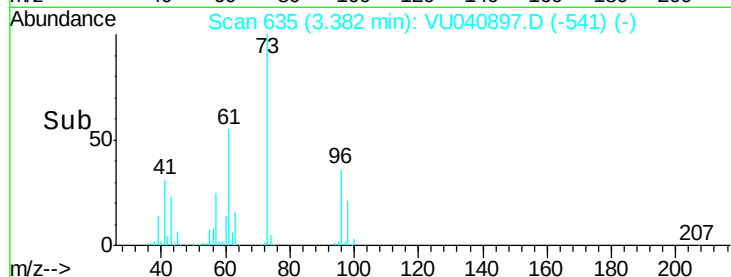
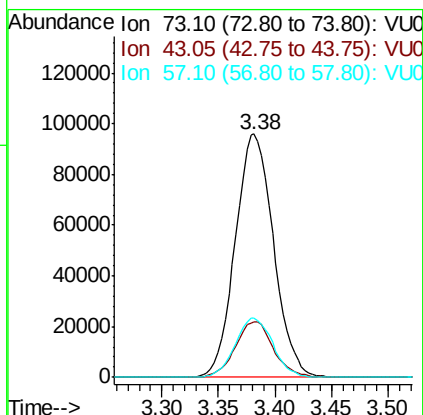
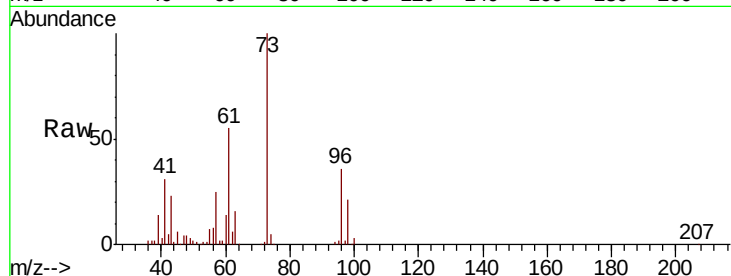




#17
Methyl tert-butyl Ether
Concen: 5.351 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040897.D
Acq: 22 Oct 2020 00:51

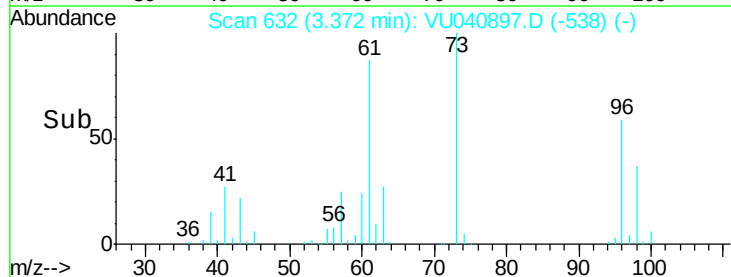
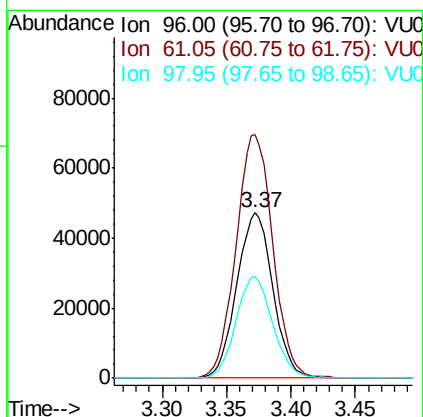
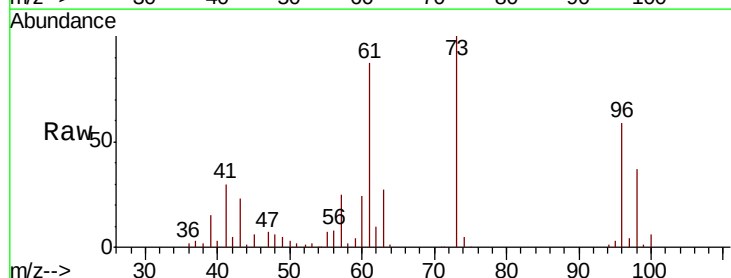
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

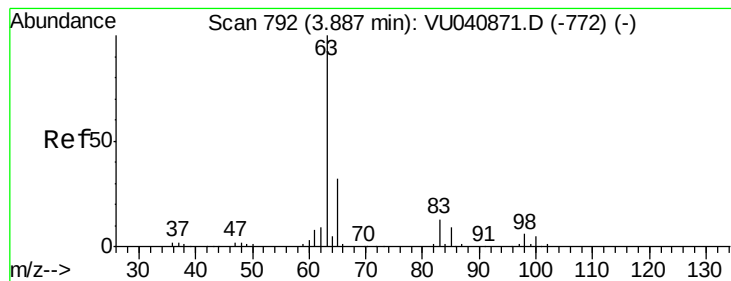
Tot Ion: 73 Resp: 225861
Ion Ratio Lower Upper
73 100
43 22.7 18.6 27.8
57 24.1 18.5 27.7



#18
trans-1,2-Dichloroethene
Concen: 5.127 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040897.D
Acq: 22 Oct 2020 00:51

Tgt Ion: 96 Resp: 92199
Ion Ratio Lower Upper
96 100
61 147.6 107.9 200.3
98 61.9 47.5 88.1





#19

1,1-Dichloroethane

Concen: 5.136 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

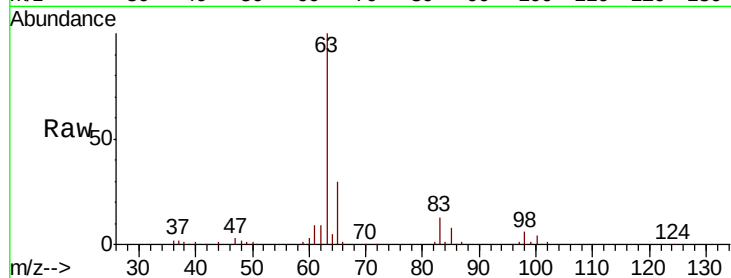
Tot Ion: 63 Resp: 185798

Ion Ratio Lower Upper

63 100

65 30.3 22.6 42.0

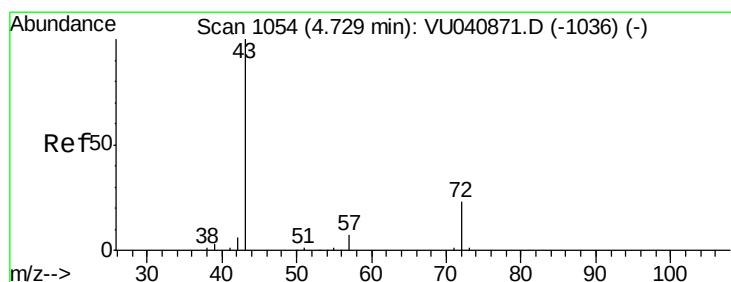
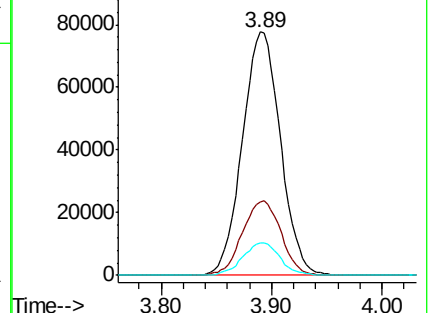
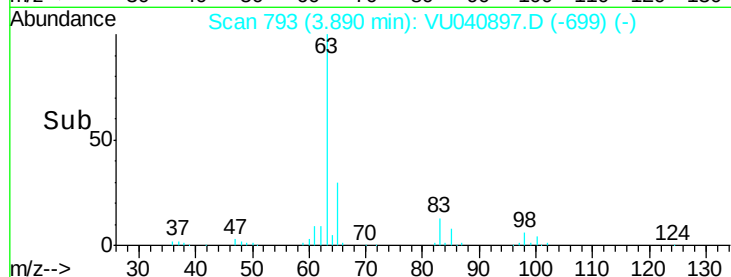
83 13.2 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU040897.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU040897.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU040897.D (-699) (-)



#21

2-Butanone

Concen: 63.082 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU040897.D

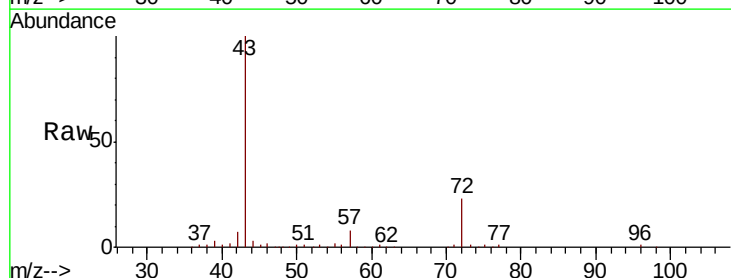
Acq: 22 Oct 2020 00:51

Tgt Ion: 43 Resp: 385063

Ion Ratio Lower Upper

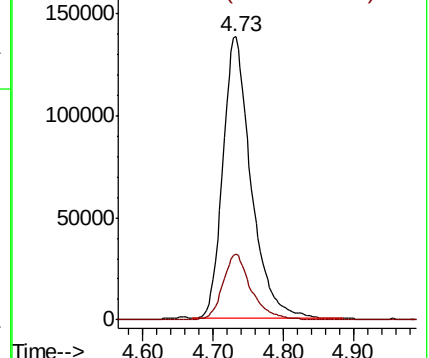
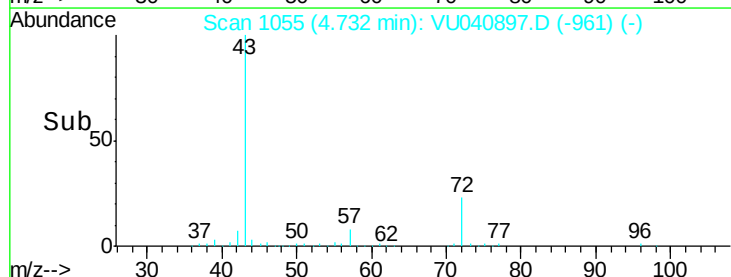
43 100

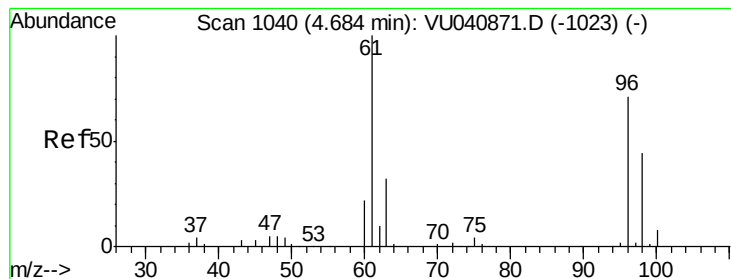
72 23.6 12.2 36.4



Abundance Ion 43.05 (42.75 to 43.75): VU040897.D (-961) (-)

Ion 72.10 (71.80 to 72.80): VU040897.D (-961) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.881 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

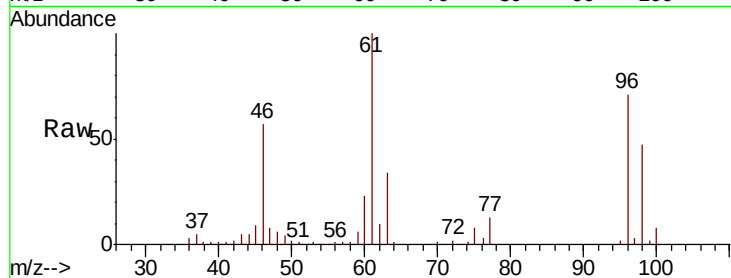
Tot Ion: 96 Resp: 96371

Ion Ratio Lower Upper

96 100

61 141.2 100.0 185.6

68 0.0 0.0 0.0

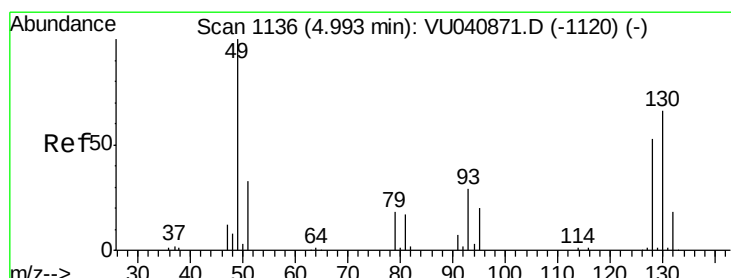
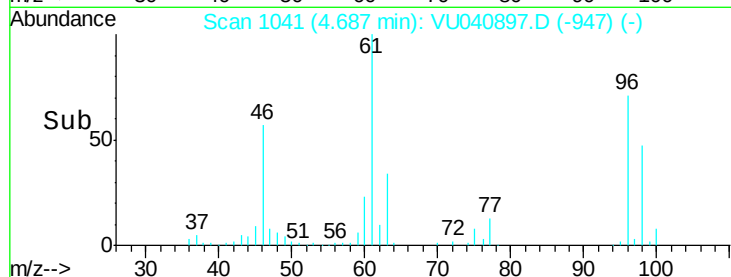
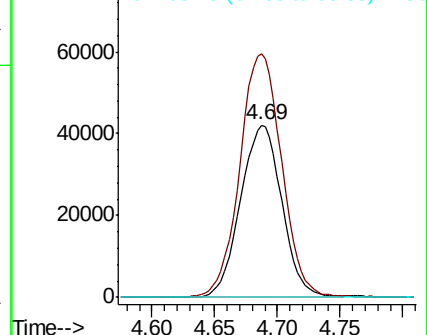


Abundance

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: 5.346 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

Tgt Ion:128 Resp: 47182

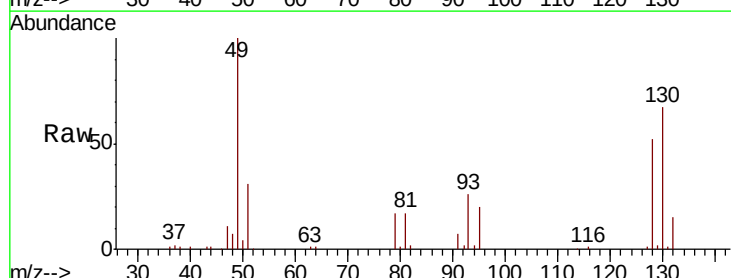
Ion Ratio Lower Upper

128 100

49 192.4 133.2 247.4

130 128.9 86.6 160.8

51 60.4 48.8 73.2



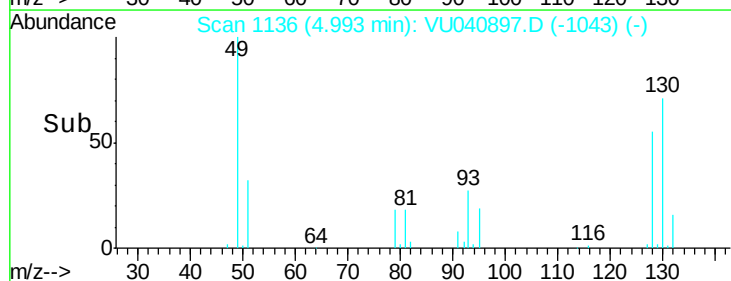
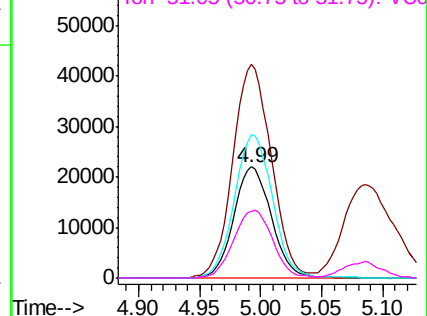
Abundance

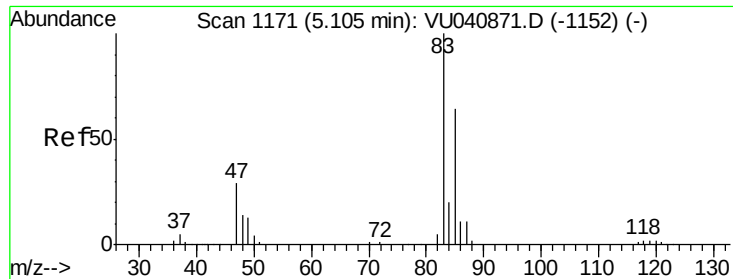
Ion 127.90 (127.60 to 128.60): V

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

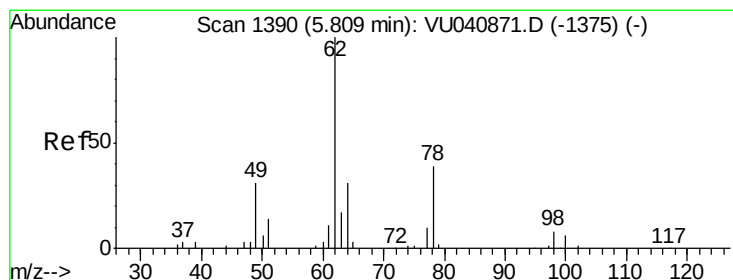
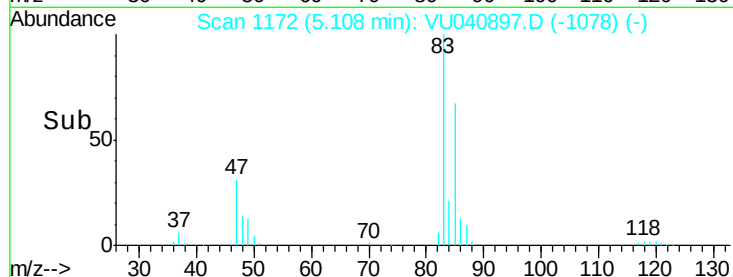
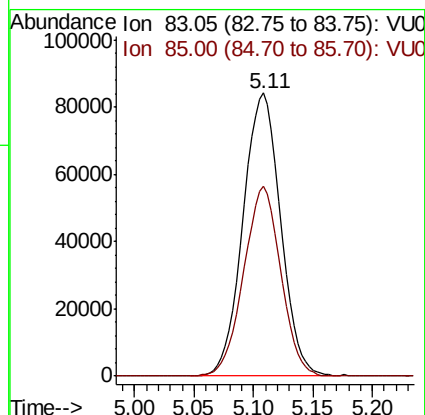
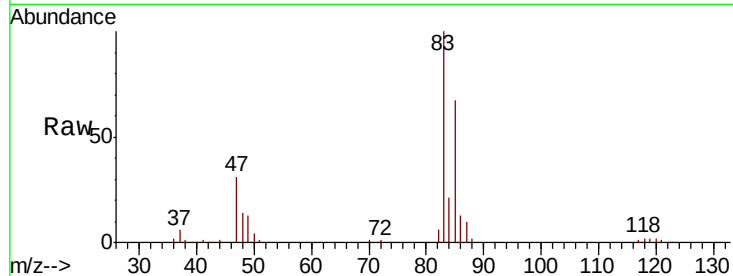




#25
Chloroform
Concen: 5.000 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040897.D
Acq: 22 Oct 2020 00:51

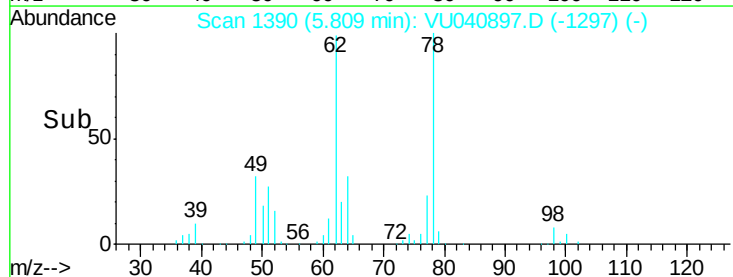
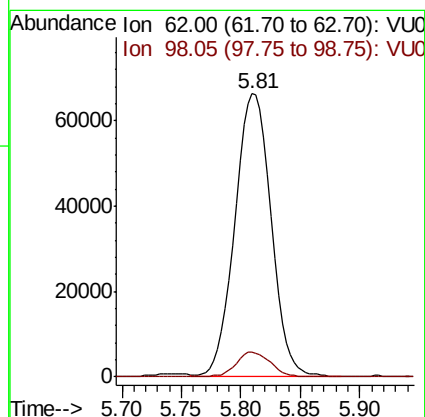
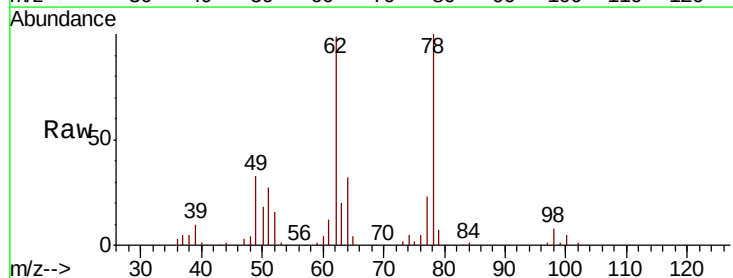
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

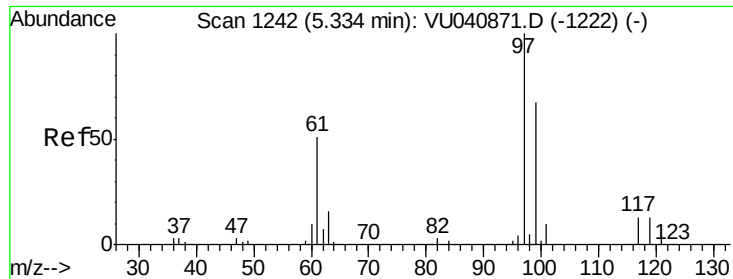
Tot Ion: 83 Resp: 184579
Ion Ratio Lower Upper
83 100
85 66.9 43.4 80.6



#27
1,2-Dichloroethane
Concen: 5.527 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040897.D
Acq: 22 Oct 2020 00:51

Tgt Ion: 62 Resp: 139323
Ion Ratio Lower Upper
62 100
98 8.6 7.0 10.6

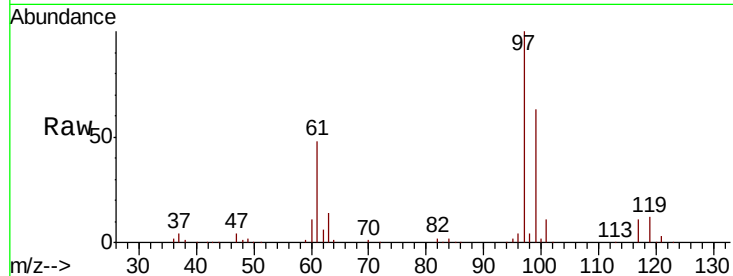




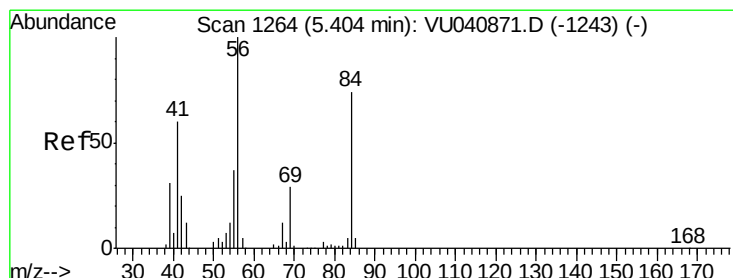
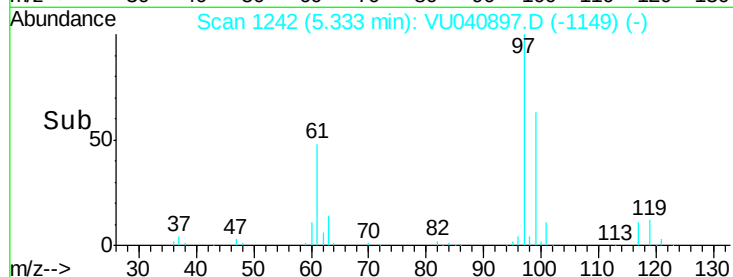
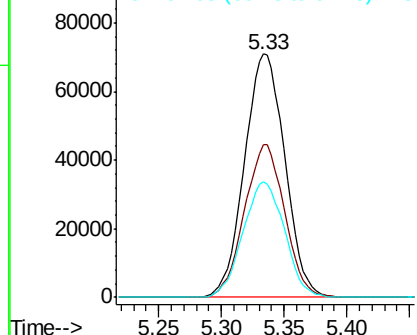
#29
 1,1,1-Trichloroethane
 Concen: 5.173 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion: 97 Resp: 159000
 Ion Ratio Lower Upper
 97 100
 99 62.5 51.2 76.8
 61 49.0 39.0 58.6

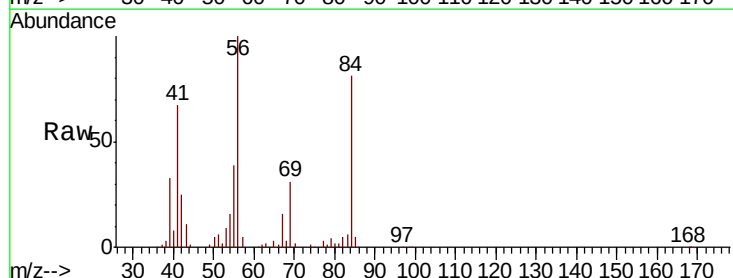


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

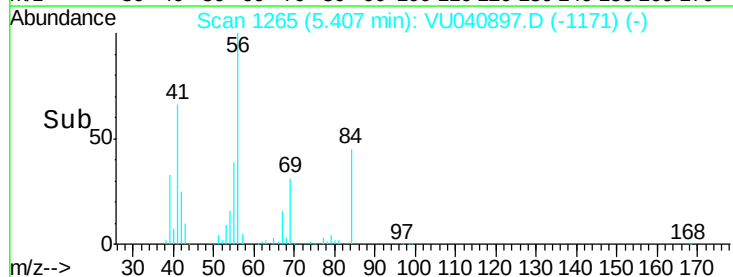
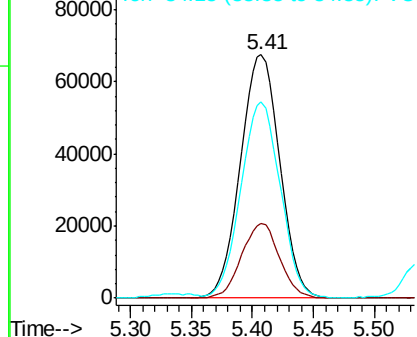


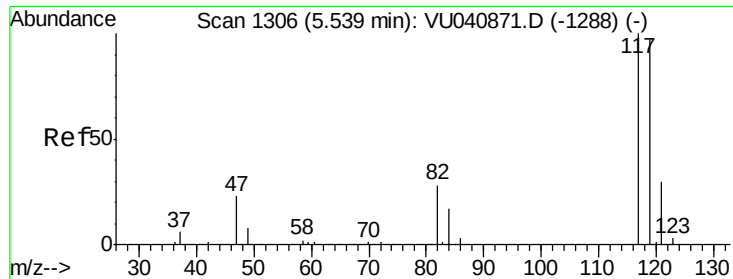
#30
 Cyclohexane
 Concen: 4.916 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

Tgt Ion: 56 Resp: 150703
 Ion Ratio Lower Upper
 56 100
 69 29.4 22.6 33.8
 84 80.9 63.0 94.6



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: 5.070 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

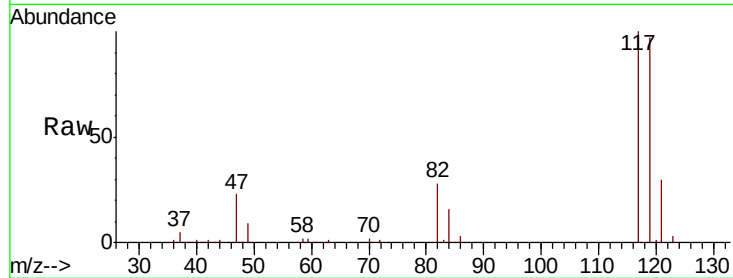
VSTD00523

Tot Ion:117 Resp: 136961

Ion Ratio Lower Upper

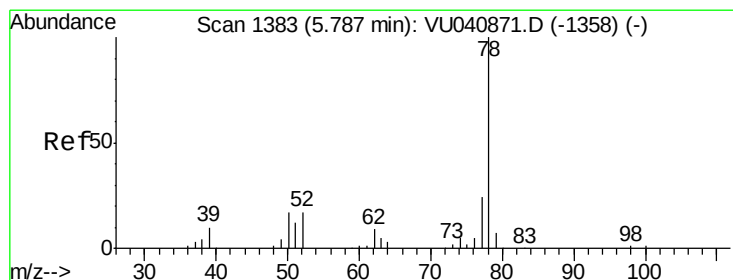
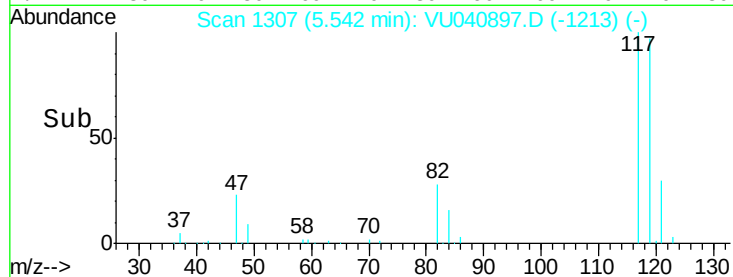
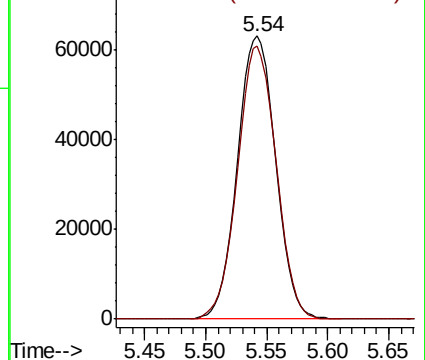
117 100

119 97.3 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.143 ug/L

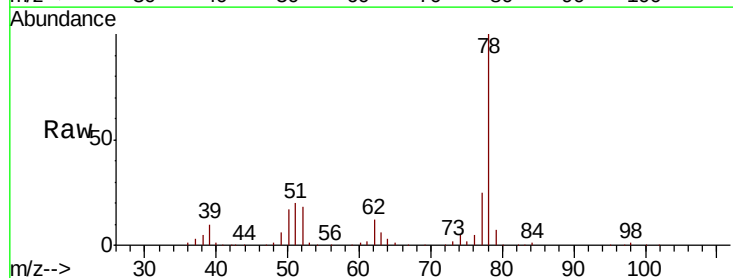
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

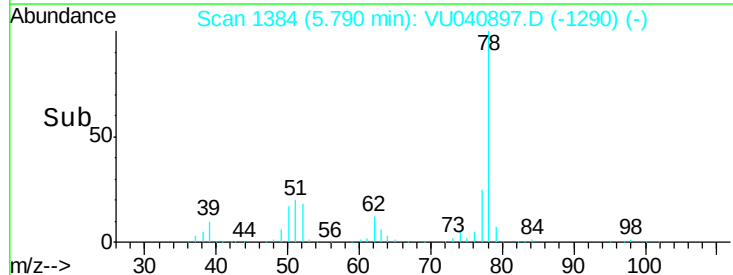
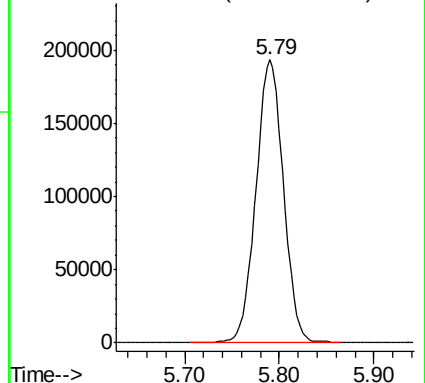
Lab File: VU040897.D

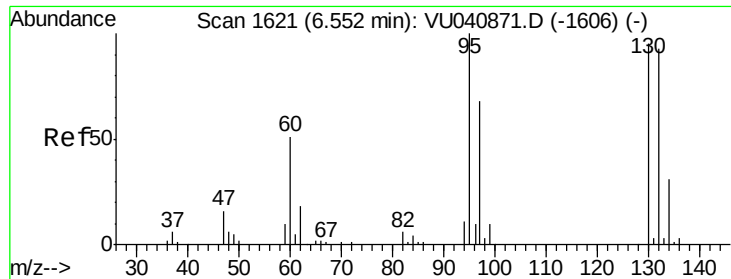
Acq: 22 Oct 2020 00:51

Tgt Ion: 78 Resp: 390848



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.982 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

Tot Ion: 95 Resp: 96363

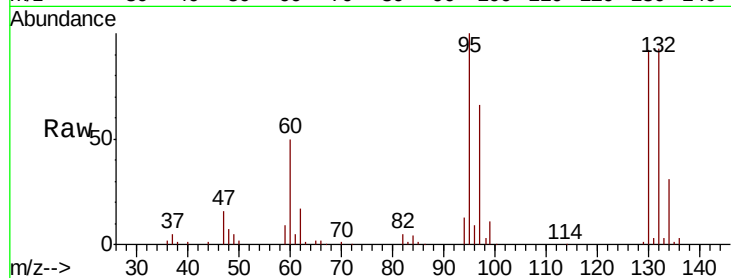
Ion Ratio Lower Upper

95 100

97 65.5 46.0 85.4

132 92.6 63.6 118.2

130 92.0 68.6 127.4

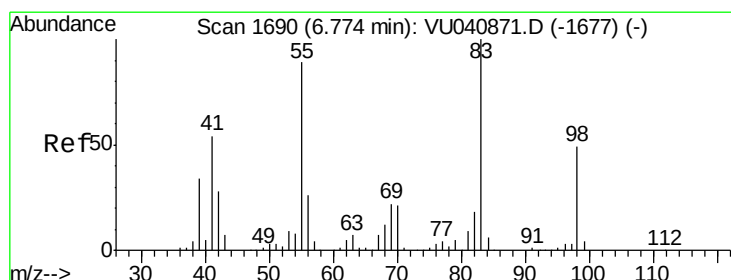
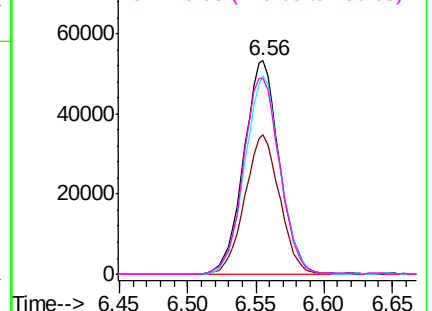
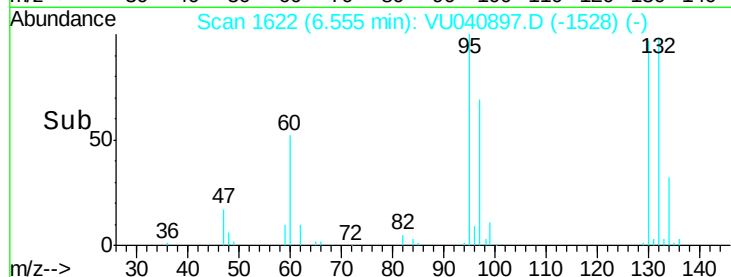


Abundance Ion 95.00 (94.70 to 95.70): VU040897.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU040897.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU040897.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU040897.D (-1528) (-)



#35

Methylcyclohexane

Concen: 4.707 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

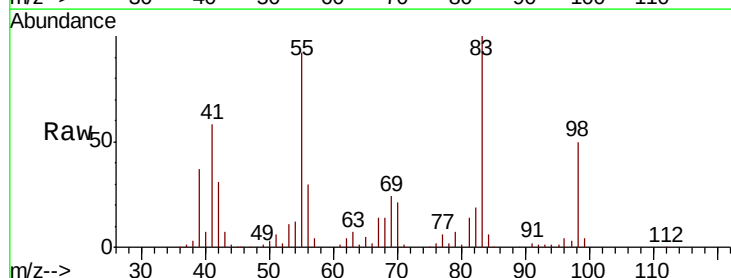
Tgt Ion: 83 Resp: 136268

Ion Ratio Lower Upper

83 100

55 90.7 69.1 103.7

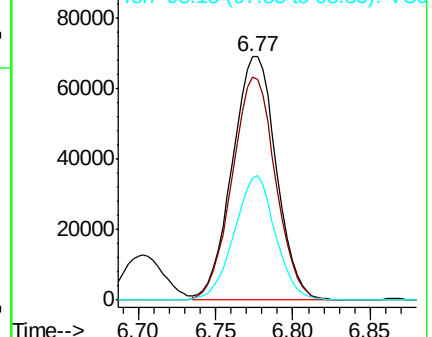
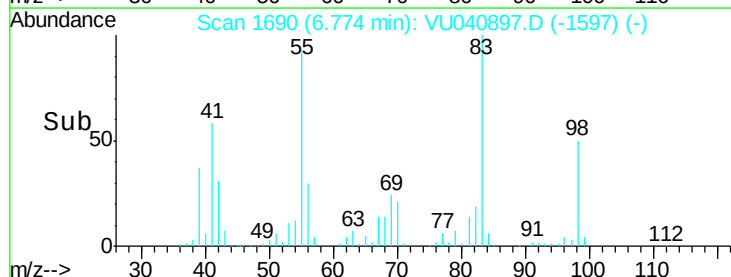
98 48.1 37.8 56.6

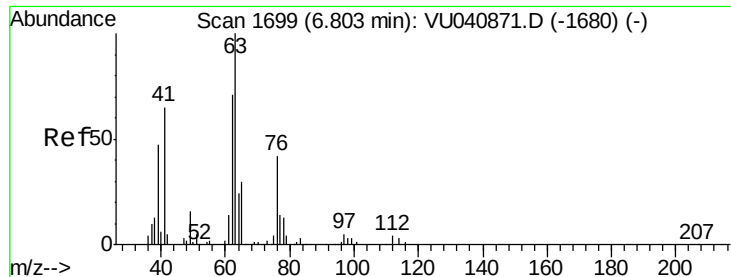


Abundance Ion 83.15 (82.85 to 83.85): VU040897.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU040897.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU040897.D (-1597) (-)

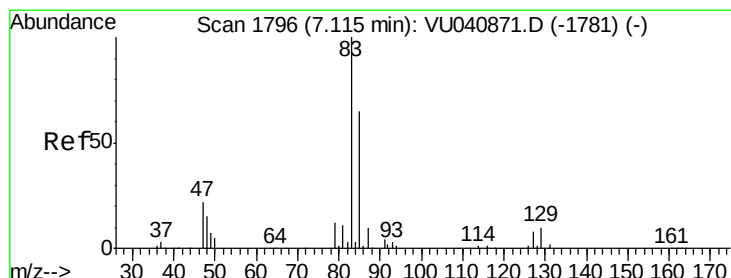
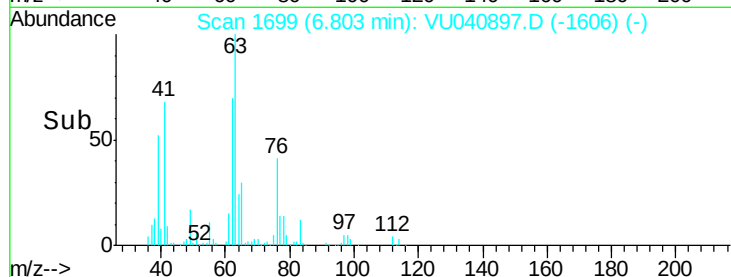
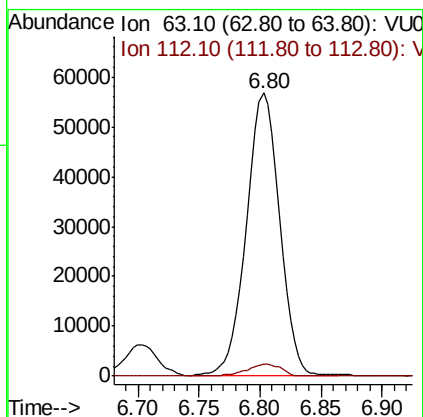
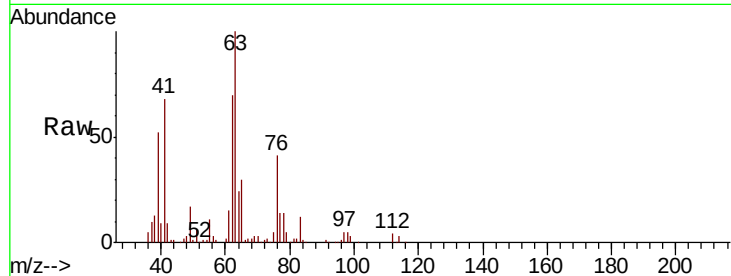




#37
 1,2-Dichloropropane
 Concen: 5.178 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

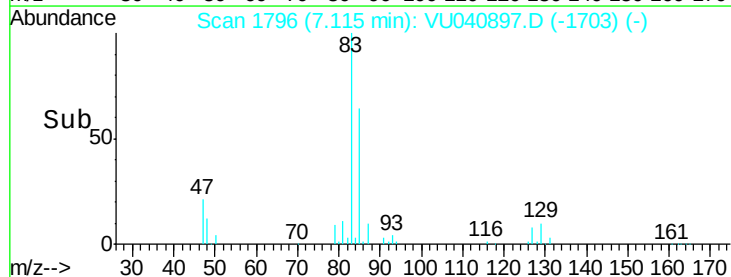
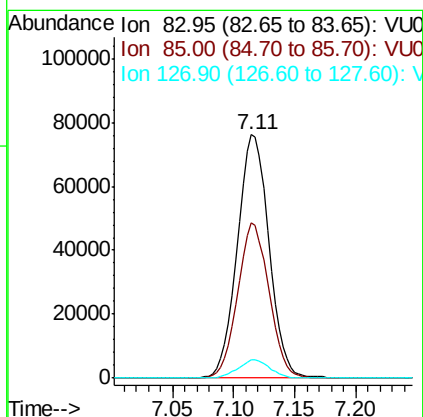
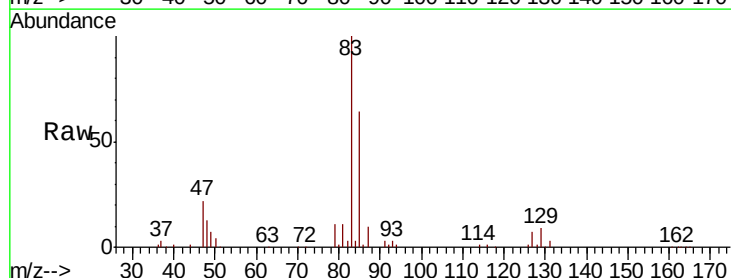
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

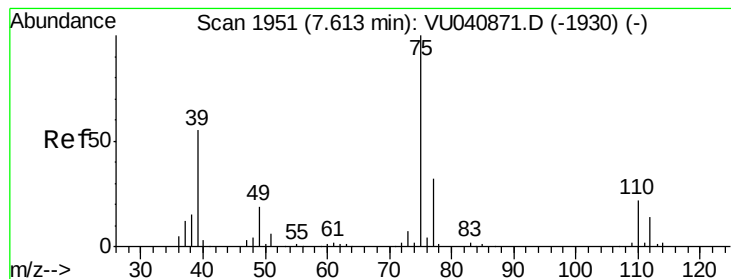
Tot Ion: 63 Resp: 106241
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.0 4.6



#38
 Bromodichloromethane
 Concen: 5.252 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

Tgt Ion: 83 Resp: 136816
 Ion Ratio Lower Upper
 83 100
 85 63.6 43.3 80.5
 127 7.5 6.2 9.4



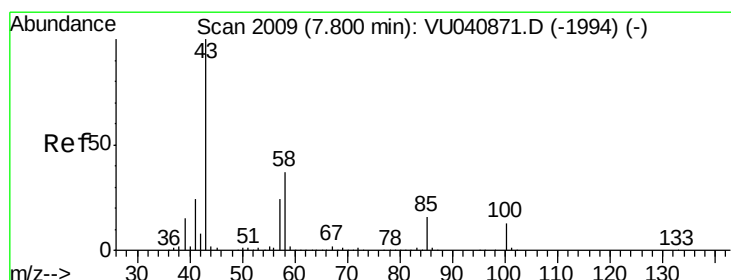
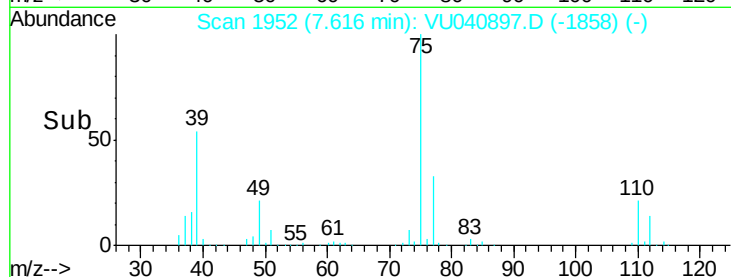
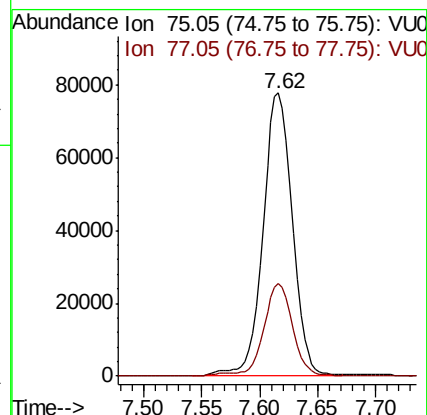
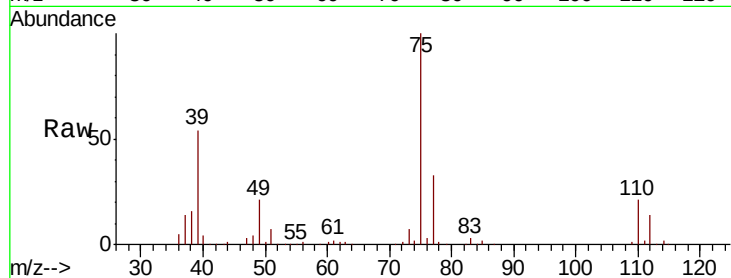


#39

cis-1,3-Dichloropropene
 Concen: 5.016 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

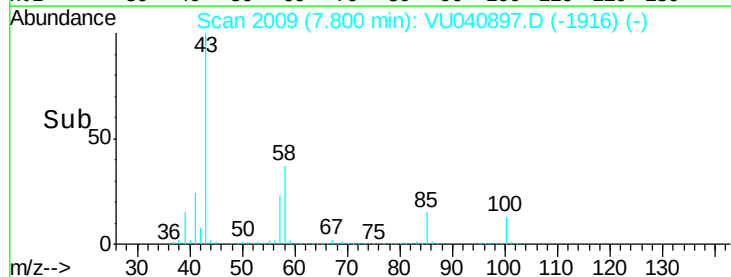
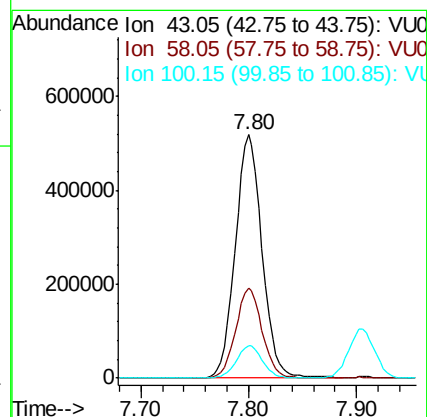
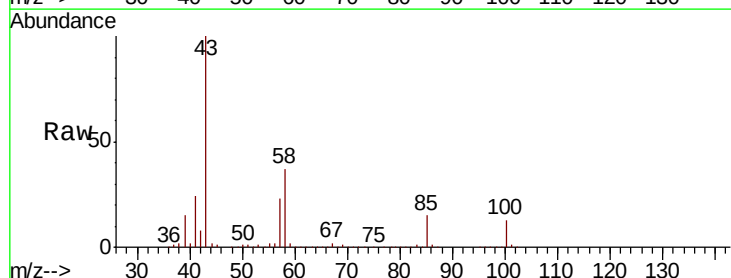
Tot Ion: 75 Resp: 137660
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.6 40.2

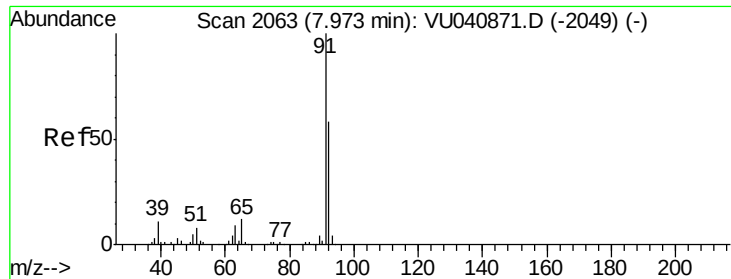


#40

4-Methyl-2-pentanone
 Concen: 65.261 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

Tgt Ion: 43 Resp: 898591
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.7 44.5
 100 13.1 10.6 16.0





#42

Toluene

Concen: 5.255 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

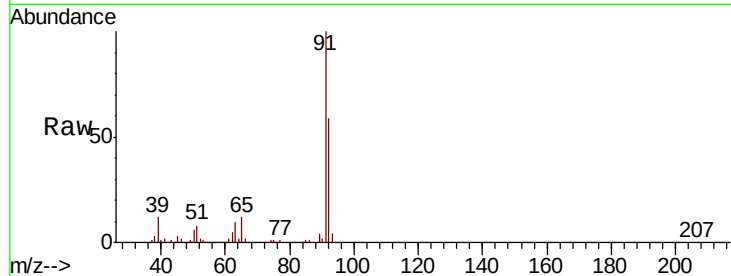
VSTD00523

Tot Ion: 91 Resp: 401131

Ion Ratio Lower Upper

91 100

92 58.7 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU040897.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU040897.D (-1970) (-)

7.98

250000

200000

150000

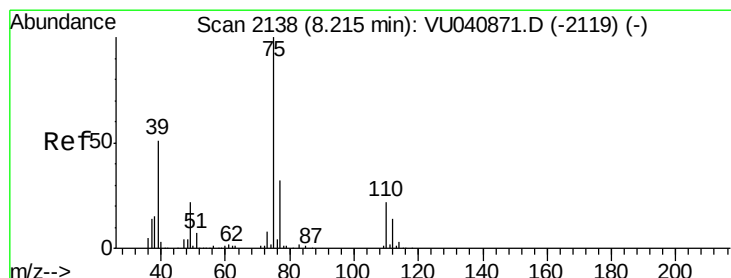
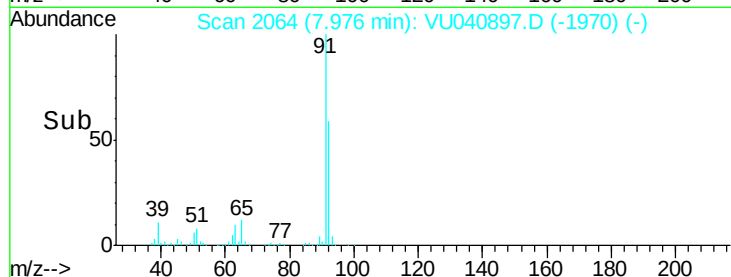
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.345 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040897.D

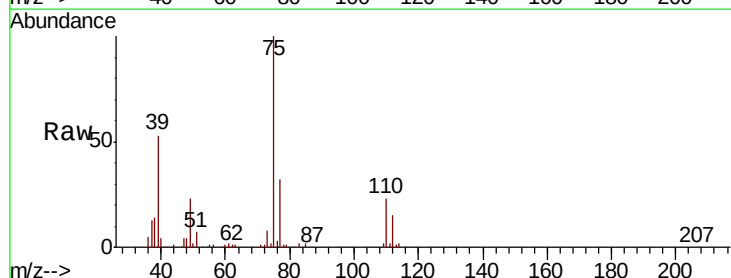
Acq: 22 Oct 2020 00:51

Tgt Ion: 75 Resp: 132803

Ion Ratio Lower Upper

75 100

77 32.2 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU040897.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU040897.D (-2045) (-)

8.22

80000

60000

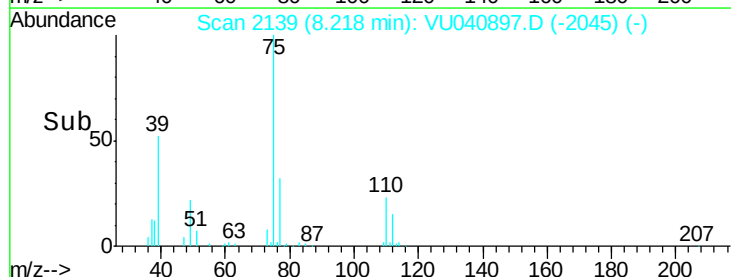
40000

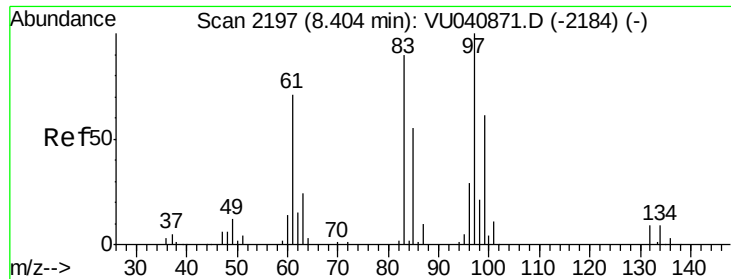
20000

0

8.10 8.15 8.20 8.25 8.30

Time-->

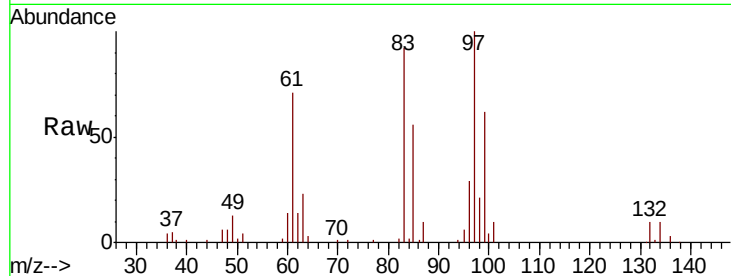




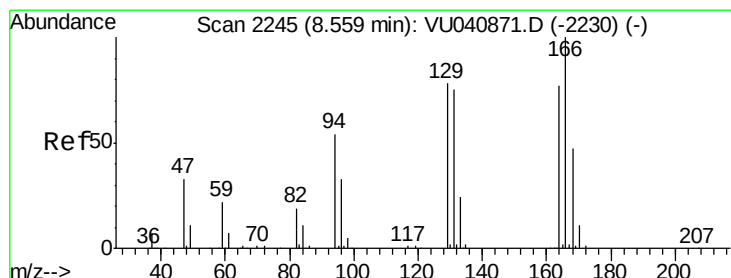
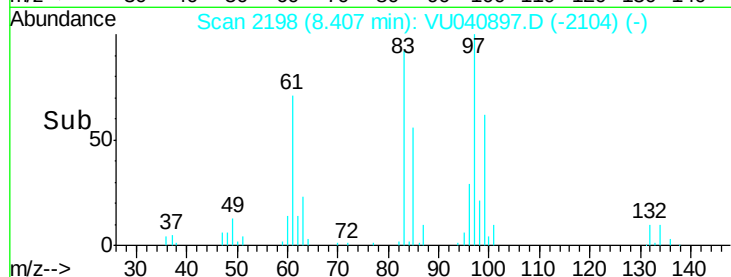
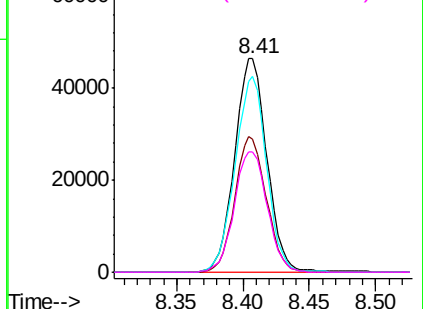
#45
 1,1,2-Trichloroethane
 Concen: 5.620 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion:	97	Resp:	78567
Ion	Ratio	Lower	Upper
97	100		
99	62.1	42.1	78.1
83	91.7	62.0	115.2
85	56.5	40.3	74.8

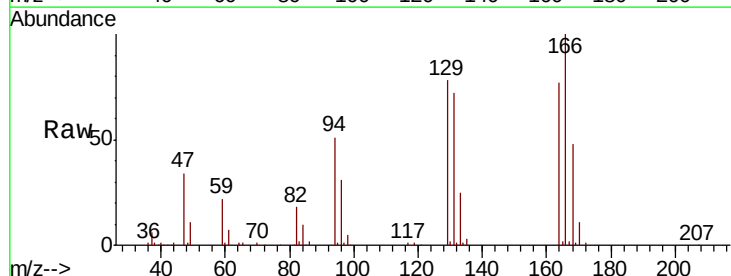


Abundance Ion 96.95 (96.65 to 97.65): VU040897.D (-2184) (-)
 Ion 99.05 (98.75 to 99.75): VU040897.D (-2184) (-)
 Ion 82.95 (82.65 to 83.65): VU040897.D (-2184) (-)
 Ion 85.00 (84.70 to 85.70): VU040897.D (-2184) (-)

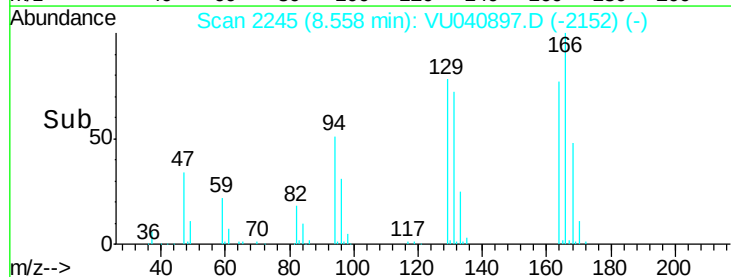
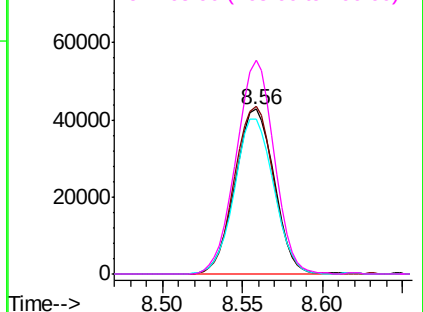


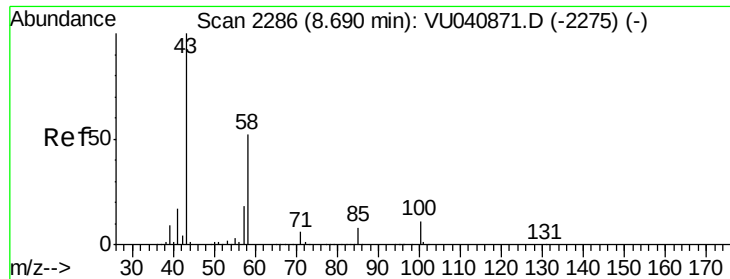
#47
 Tetrachloroethene
 Concen: 4.939 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

Tgt Ion:	164	Resp:	71101
Ion	Ratio	Lower	Upper
164	100		
129	101.6	69.7	129.4
131	93.7	65.4	121.4
166	129.5	90.0	167.2



Abundance Ion 163.90 (163.60 to 164.60): VU040897.D (-2230) (-)
 Ion 128.95 (128.65 to 129.65): VU040897.D (-2230) (-)
 Ion 130.95 (130.65 to 131.65): VU040897.D (-2230) (-)
 Ion 165.90 (165.60 to 166.60): VU040897.D (-2230) (-)

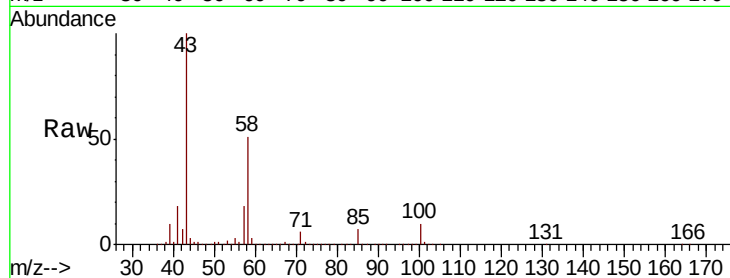




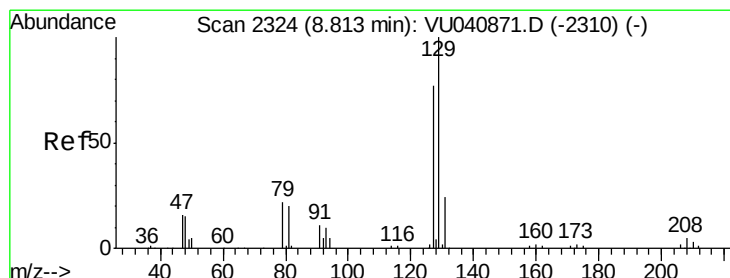
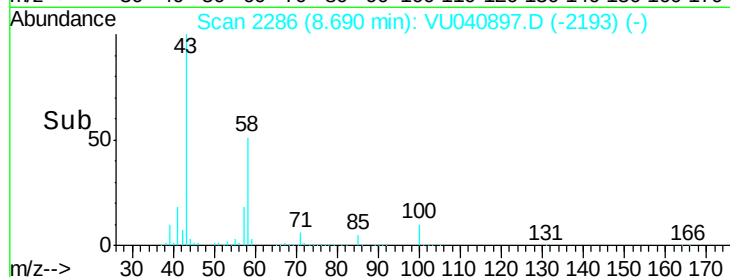
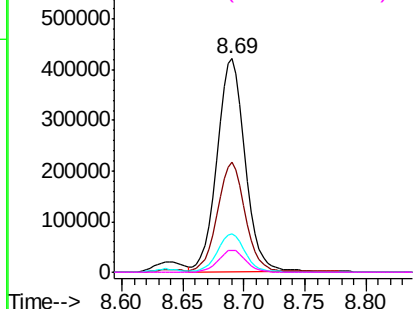
#48
2-Hexanone
Concen: 68.348 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040897.D
Acq: 22 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tot Ion: 43 Resp: 684607
Ion Ratio Lower Upper
43 100
58 51.1 40.9 61.3
57 17.7 14.4 21.6
100 10.1 8.3 12.5

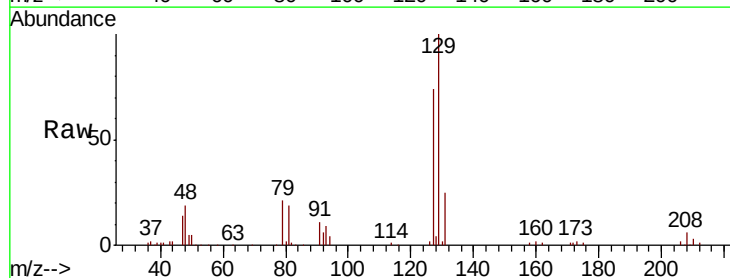


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

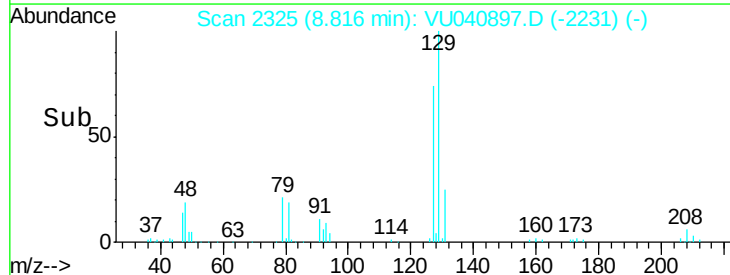
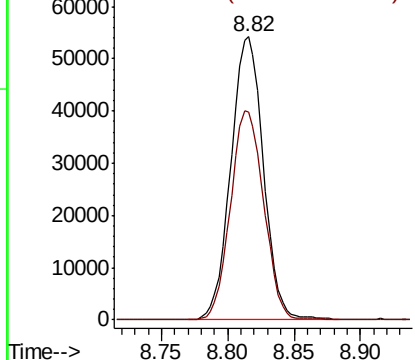


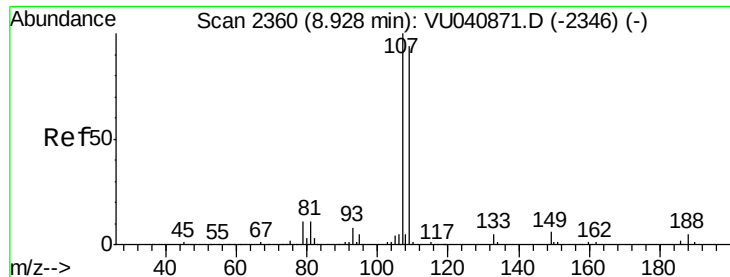
#49
Dibromochloromethane
Concen: 5.549 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040897.D
Acq: 22 Oct 2020 00:51

Tgt Ion: 129 Resp: 92562
Ion Ratio Lower Upper
129 100
127 73.7 55.9 103.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

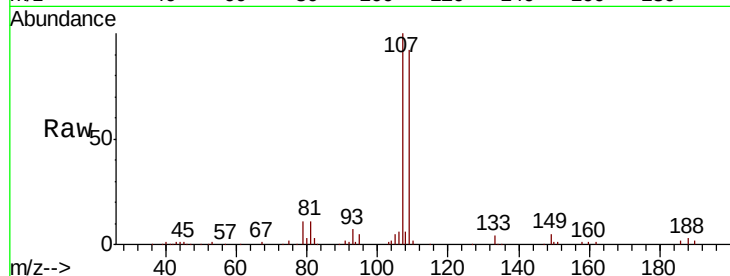




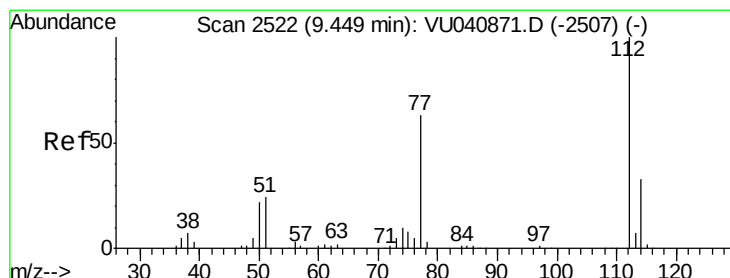
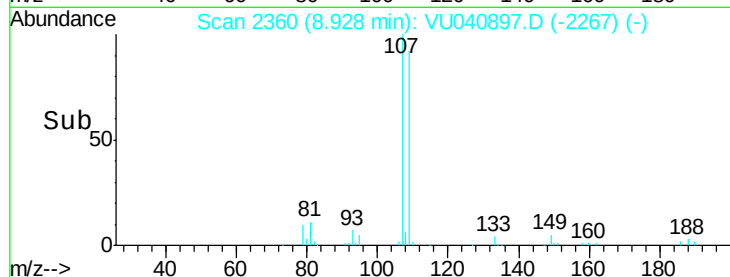
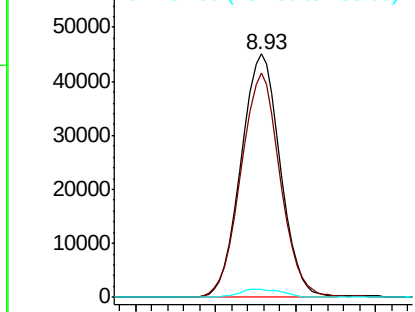
#50
 1,2-Dibromoethane
 Concen: 5.775 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion:107 Resp: 75418
 Ion Ratio Lower Upper
 107 100
 109 92.2 66.2 123.0
 188 3.3 3.1 4.7

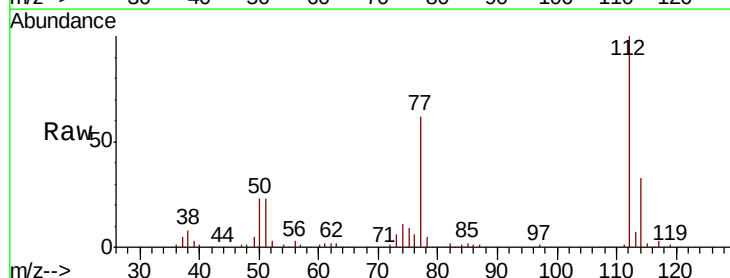


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

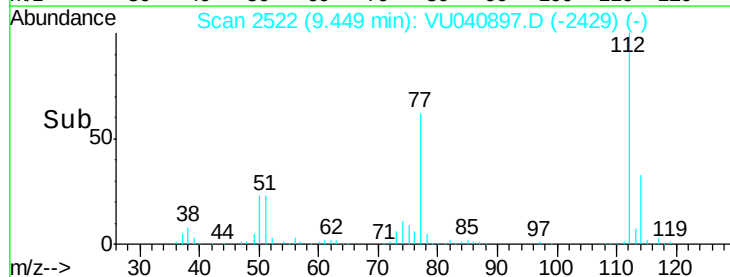
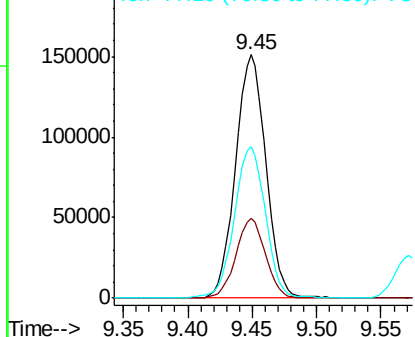


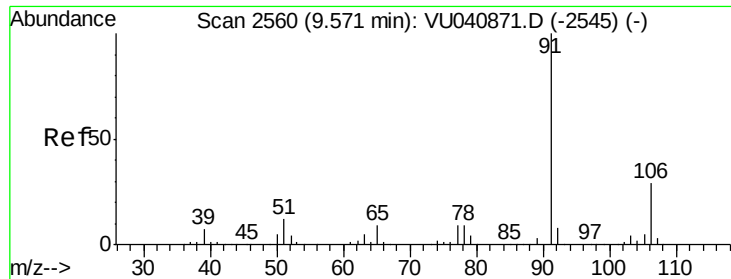
#51
 Chlorobenzene
 Concen: 5.014 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

Tgt Ion:112 Resp: 247133
 Ion Ratio Lower Upper
 112 100
 114 32.7 22.3 41.3
 77 62.5 49.8 74.6



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

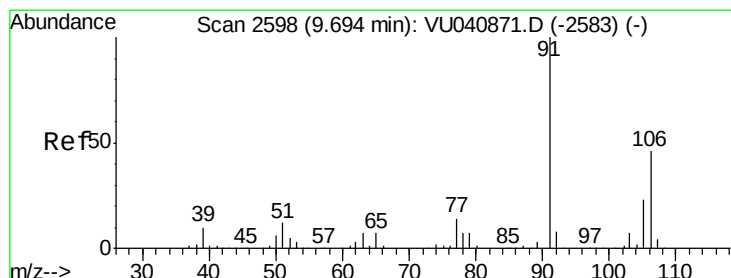
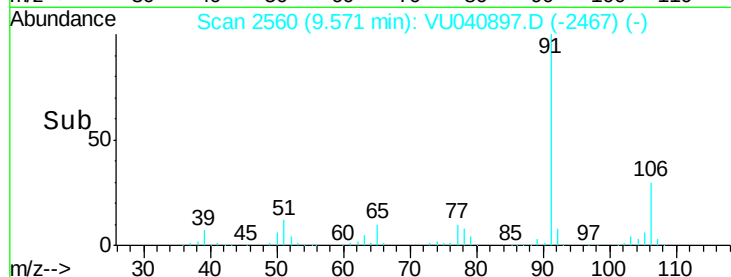
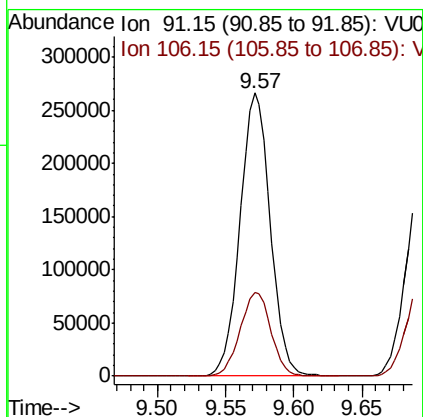
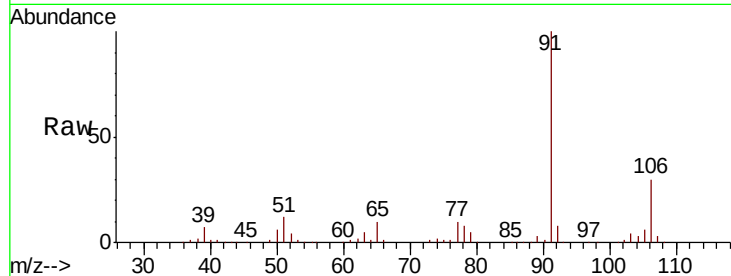




#52
Ethylbenzene
Concen: 4.979 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040897.D
Acq: 22 Oct 2020 00:51

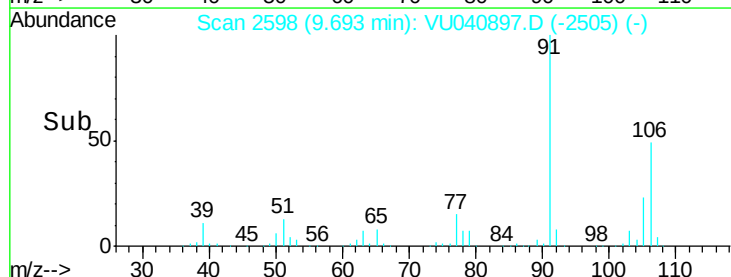
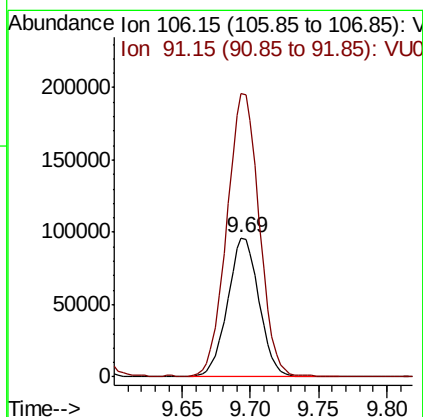
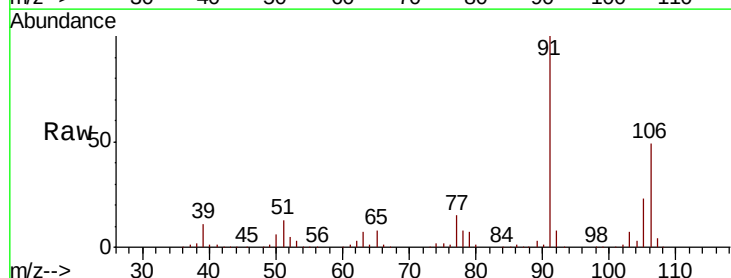
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

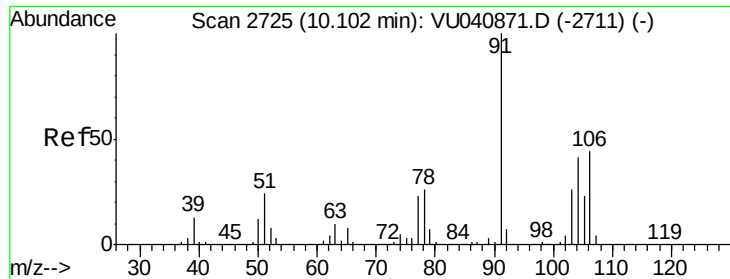
Tot Ion: 91 Resp: 408654
Ion Ratio Lower Upper
91 100
106 29.5 21.2 39.4



#53
m,p-Xylene
Concen: 5.231 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040897.D
Acq: 22 Oct 2020 00:51

Tgt Ion: 106 Resp: 154652
Ion Ratio Lower Upper
106 100
91 203.3 153.3 284.7

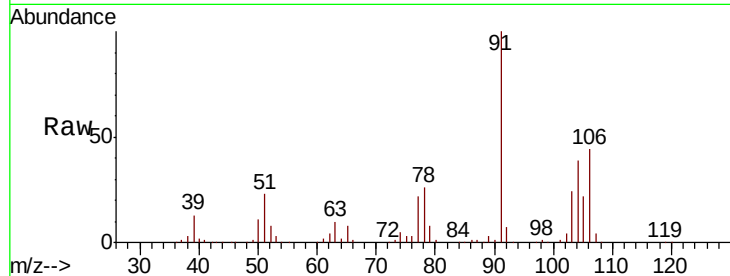




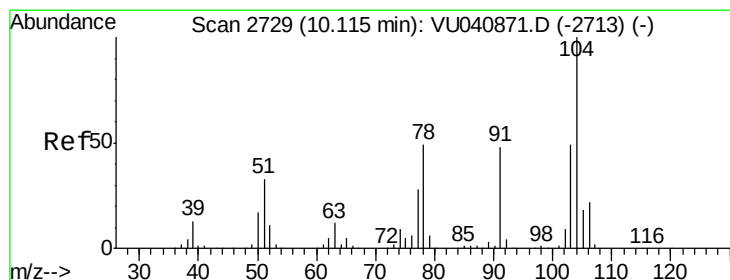
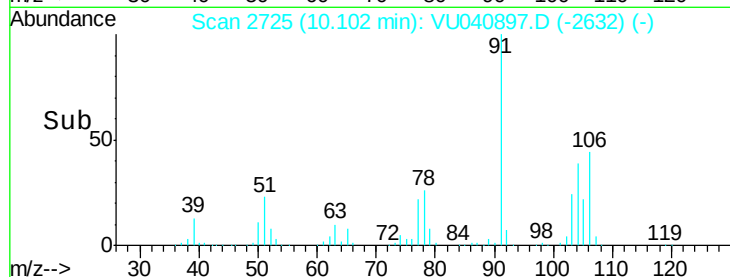
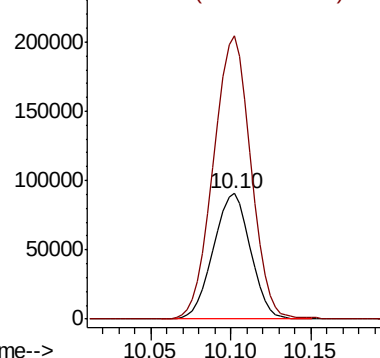
#54
o-Xylene
Concen: 5.112 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040897.D
Acq: 22 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tot Ion:106 Resp: 143706
Ion Ratio Lower Upper
106 100
91 225.6 153.6 285.2

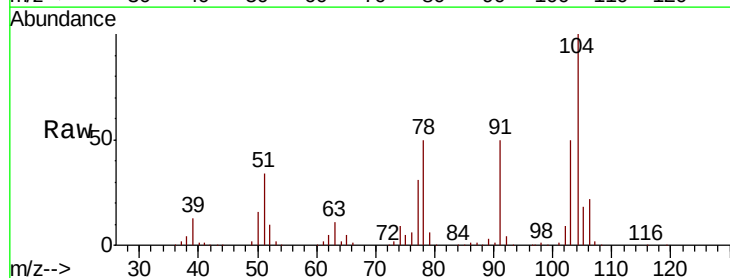


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

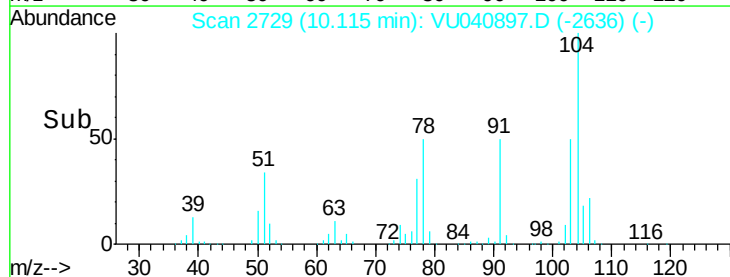
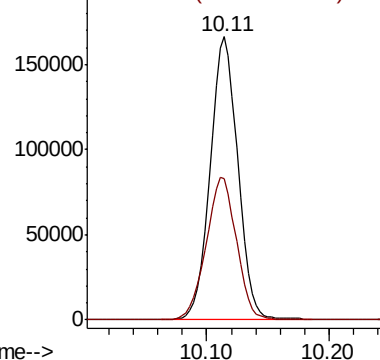


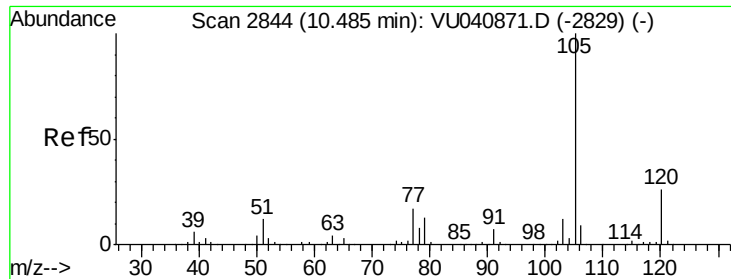
#55
Styrene
Concen: 5.334 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040897.D
Acq: 22 Oct 2020 00:51

Tgt Ion:104 Resp: 260865
Ion Ratio Lower Upper
104 100
78 49.8 34.6 64.3



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





#56

Isopropylbenzene

Concen: 5.127 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

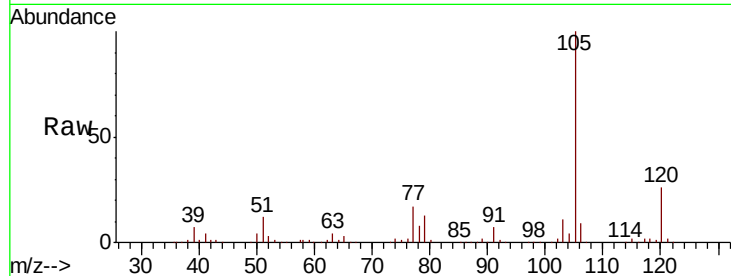
Tot Ion:105 Resp: 385734

Ion Ratio Lower Upper

105 100

120 25.9 20.2 30.4

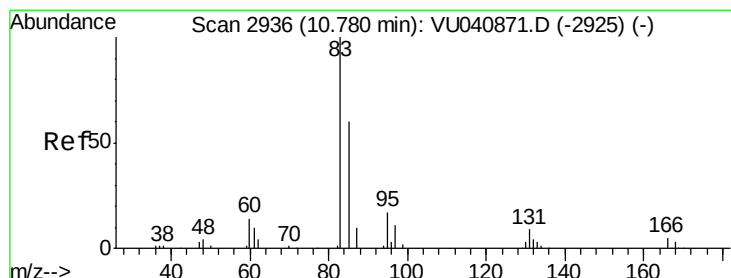
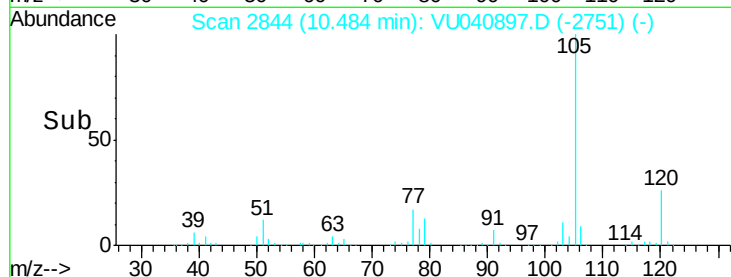
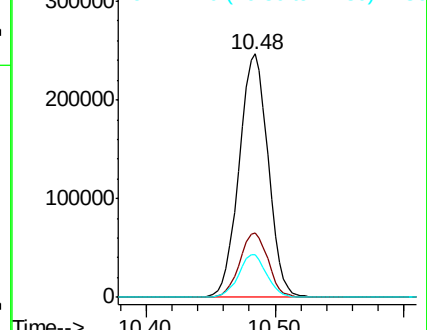
77 17.1 13.6 20.4



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: 5.965 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

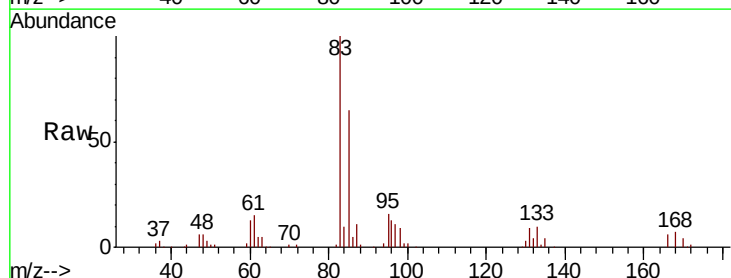
Tgt Ion: 83 Resp: 106230

Ion Ratio Lower Upper

83 100

85 65.1 44.1 81.9

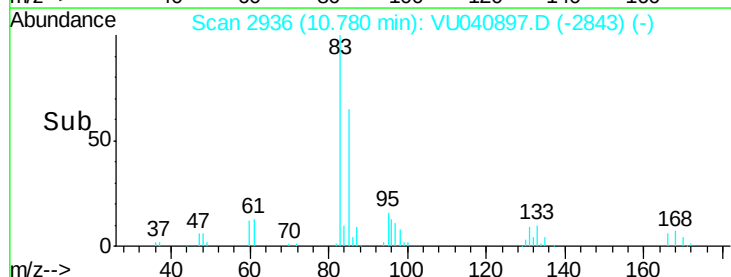
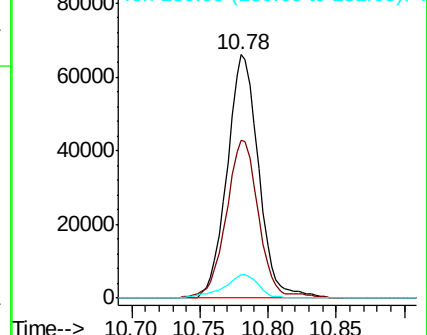
131 9.4 8.1 12.1

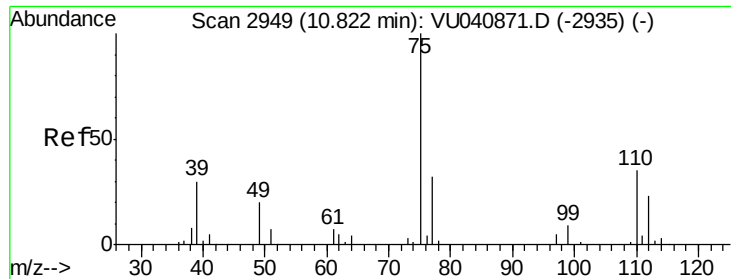


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.867 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

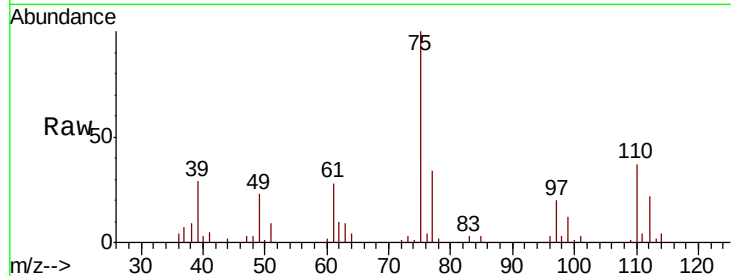
VSTD00523

Tot Ion: 75 Resp: 78238

Ion Ratio Lower Upper

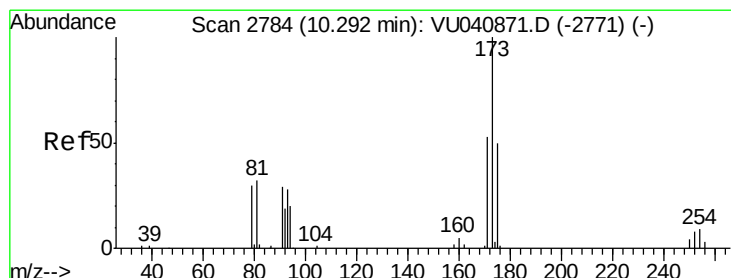
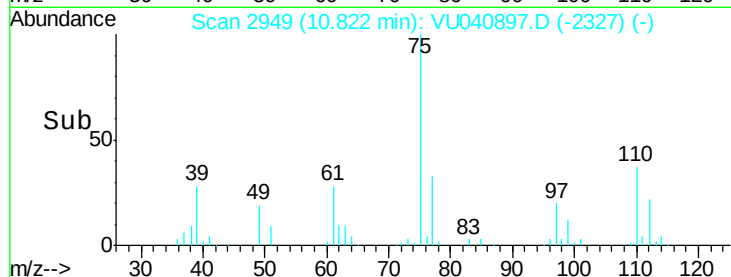
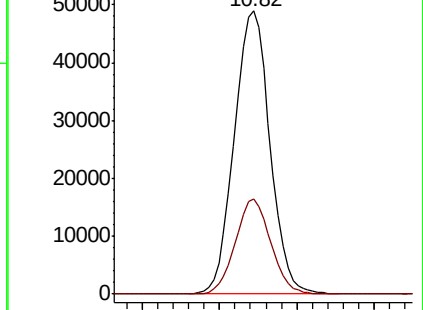
75 100

77 33.2 27.5 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU040871.D (-2935) (-)

Ion 77.00 (76.70 to 77.70): VU040871.D (-2935) (-)



#61

Bromoform

Concen: 5.669 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

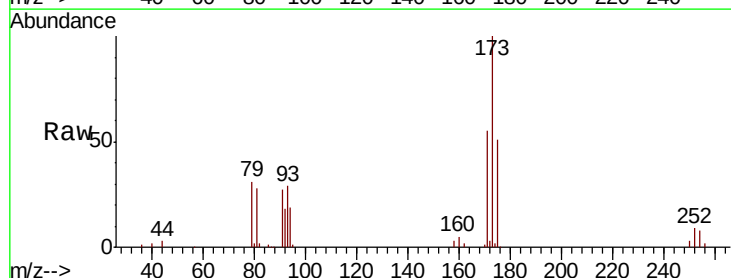
Tgt Ion: 173 Resp: 50688

Ion Ratio Lower Upper

173 100

175 50.5 39.0 58.6

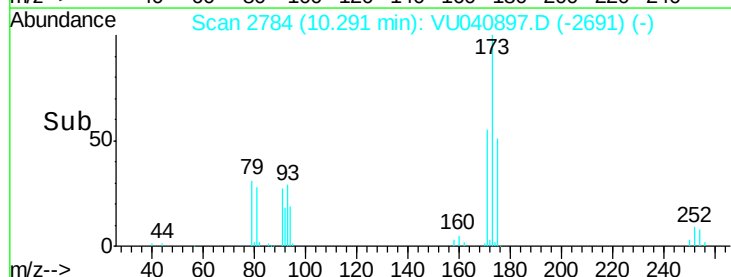
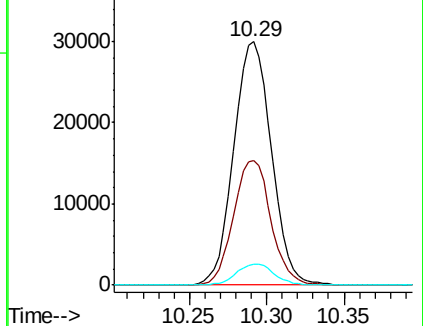
254 8.6 6.9 10.3

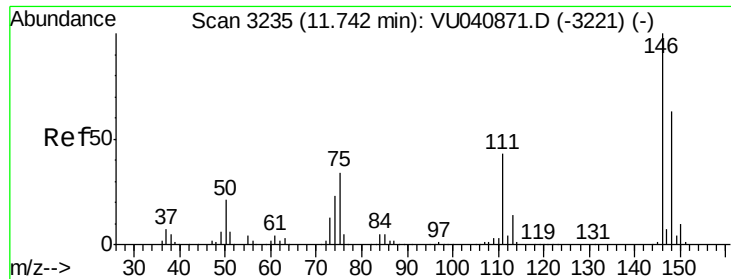


Abundance Ion 172.90 (172.60 to 173.60): VU040871.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040871.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040871.D (-2771) (-)

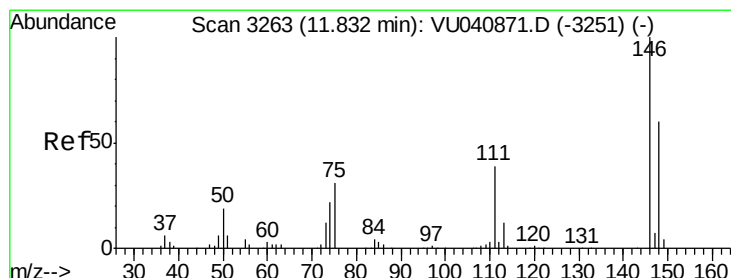
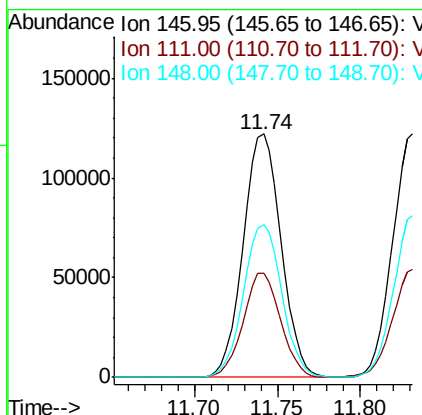
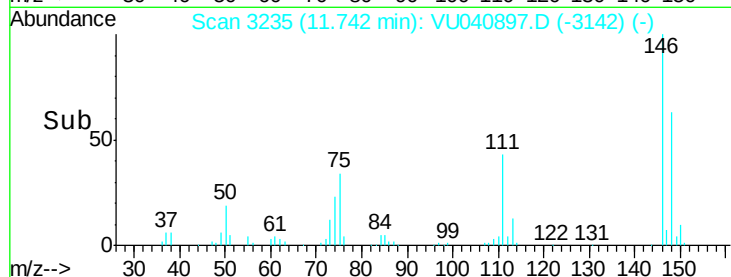
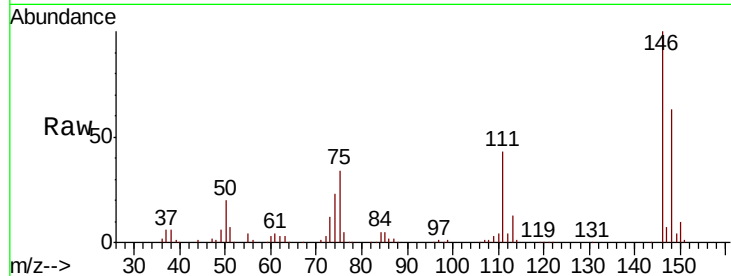




#62
 1,3-Dichlorobenzene
 Concen: 5.016 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

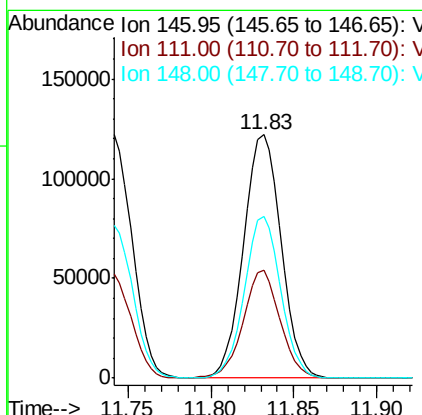
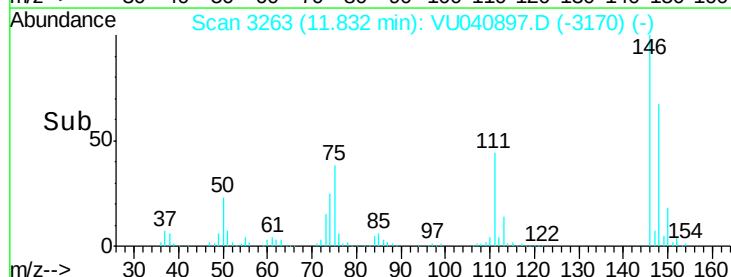
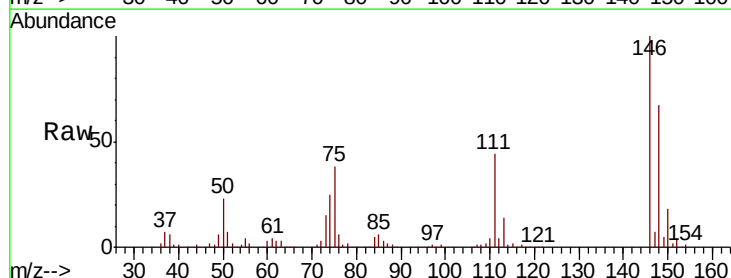
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

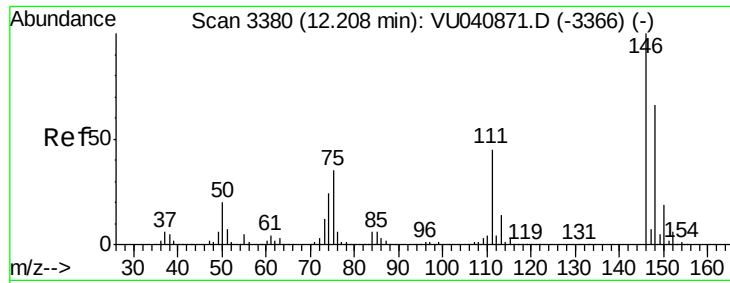
Tot Ion:146 Resp: 193831
 Ion Ratio Lower Upper
 146 100
 111 43.0 30.2 56.2
 148 62.8 43.7 81.1



#63
 1,4-Dichlorobenzene
 Concen: 4.864 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

Tgt Ion:146 Resp: 193185
 Ion Ratio Lower Upper
 146 100
 111 44.1 27.6 51.4
 148 66.7 42.4 78.8

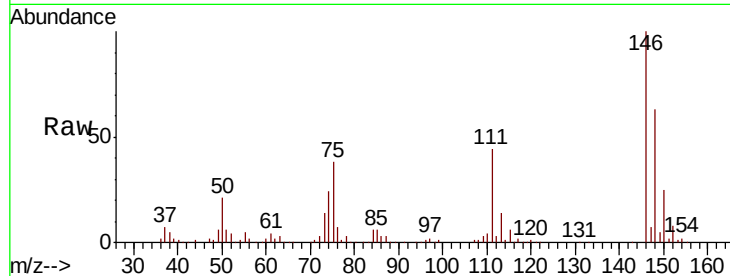




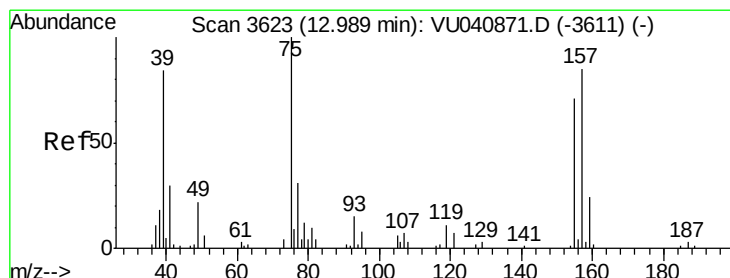
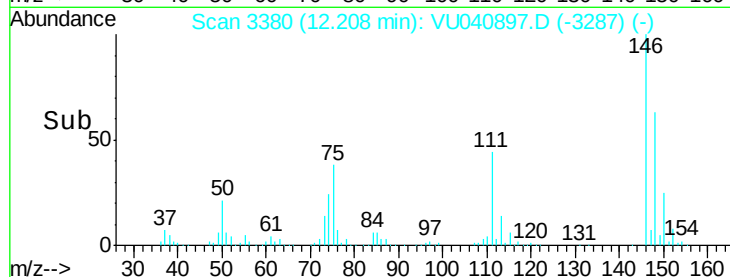
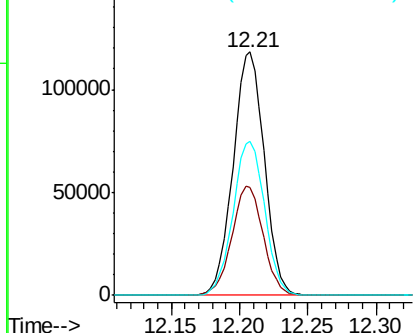
#65
 1,2-Dichlorobenzene
 Concen: 5.181 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion:146 Resp: 187902
 Ion Ratio Lower Upper
 146 100
 111 44.3 35.4 53.2
 148 63.3 50.7 76.1

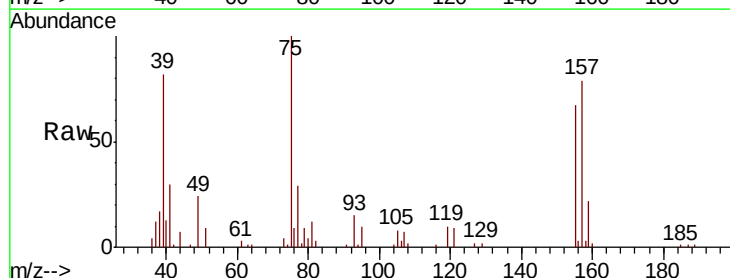


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

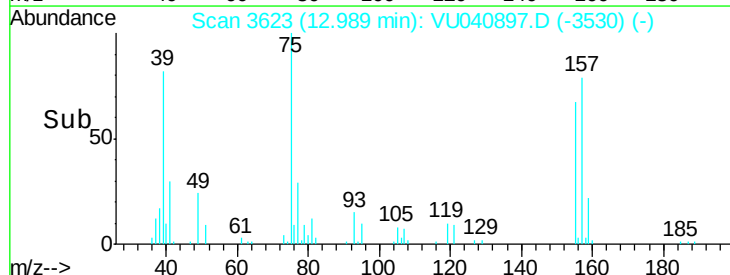
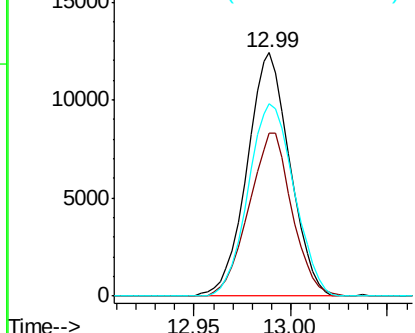


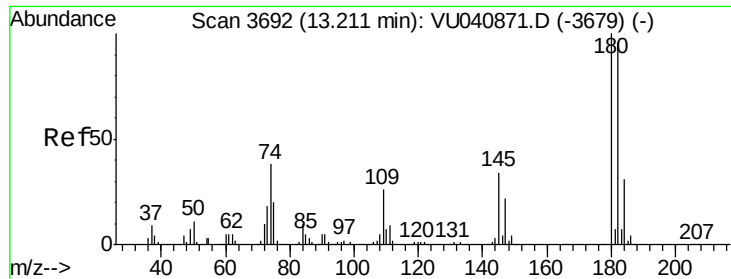
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.656 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

Tgt Ion: 75 Resp: 19086
 Ion Ratio Lower Upper
 75 100
 155 66.7 51.7 77.5
 157 78.9 66.9 100.3



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

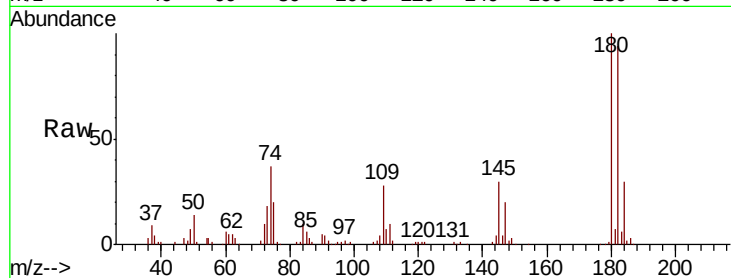




#67
 1,3,5-Trichlorobenzene
 Concen: 4.483 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.6	116.4
184	30.5	24.7	37.1
145	31.1	25.9	38.9



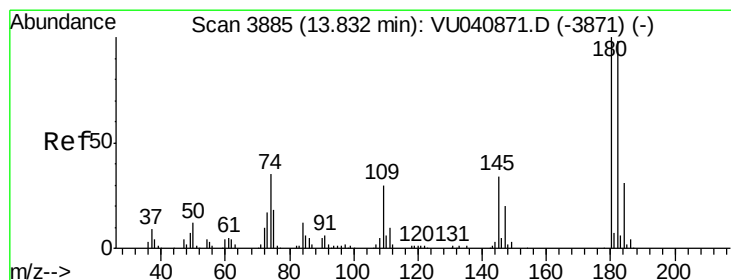
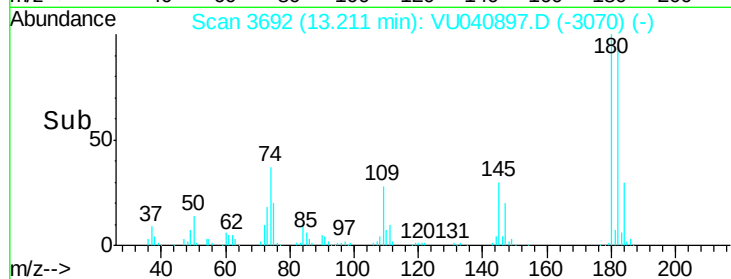
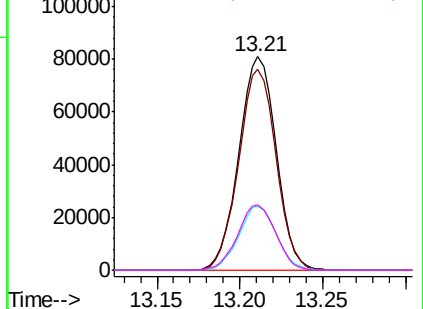
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

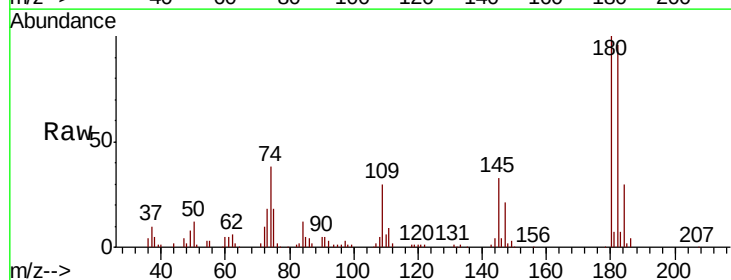
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.512 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040897.D
 Acq: 22 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.4	114.6
145	32.0	26.2	39.2

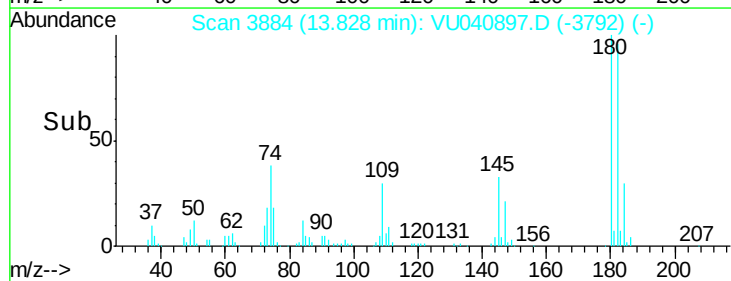
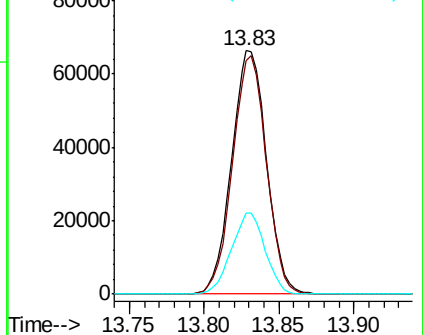


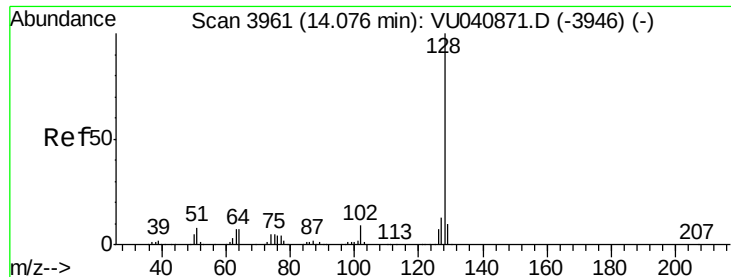
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.694 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

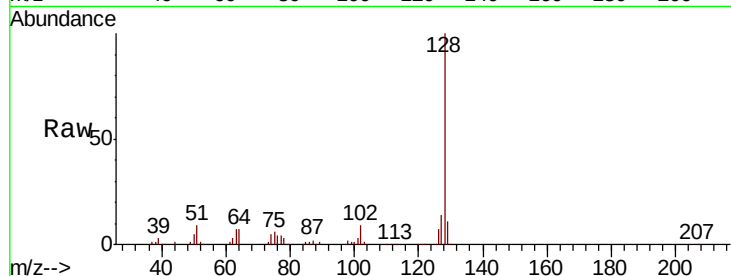
Tot Ion:128 Resp: 206597

Ion Ratio Lower Upper

128 100

129 10.3 8.9 13.3

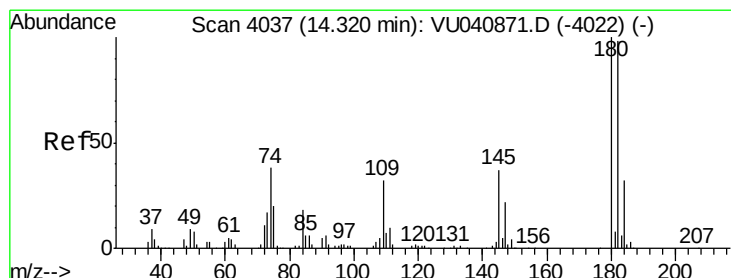
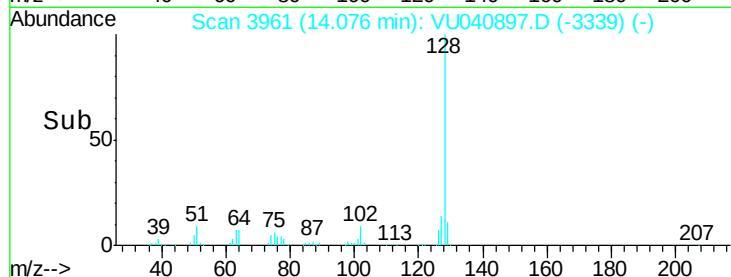
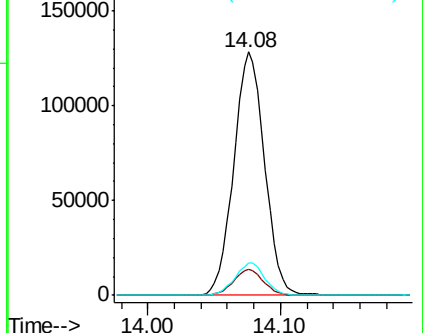
127 13.0 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.547 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU040897.D

Acq: 22 Oct 2020 00:51

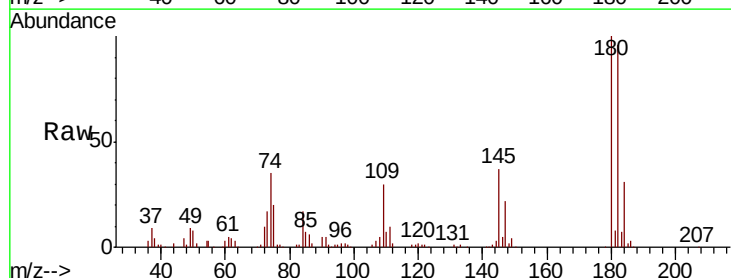
Tgt Ion:180 Resp: 105443

Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.6

145 34.7 28.2 42.2



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

