

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081720\
 Data File : VU039895.D
 Acq On : 17 Aug 2020 18:39
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: Aug 18 04:27:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 18 04:18:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	81126	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	82103	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42313	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17077	3.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.00%
7) Chloroethane-d5	1.92	69	19788	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.60%
11) 1,1-Dichloroethene-d2	2.58	63	39892	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.40%
20) 2-Butanone-d5	4.65	46	101627	52.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.50%
24) Chloroform-d	5.08	84	49420	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.72	65	29047	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	5.75	84	84206	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.70	67	29569	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.91	98	72535	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
43) trans-1,3-Dichloropropene-	8.19	79	11611	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.64	63	74481	53.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	29864	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	34288	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	29794	4.554	ug/L	97
3) Chloromethane	1.53	50	35506	5.161	ug/L	93
5) Vinyl chloride	1.61	62	34290	5.199	ug/L	96
6) Bromomethane	1.86	94	19490	4.669	ug/L	99
8) Chloroethane	1.94	64	21623	4.470	ug/L	96
9) Trichlorofluoromethane	2.15	101	49966	4.871	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	27457	4.933	ug/L	97
12) 1,1-Dichloroethene	2.59	96	24537	5.070	ug/L	89
13) Acetone	2.65	43	53423	47.032	ug/L	99
14) Carbon disulfide	2.81	76	85708	5.664	ug/L	98
15) Methyl Acetate	2.97	43	14517	5.182	ug/L	98
16) Methylene chloride	3.06	84	30543	3.915	ug/L	98
17) Methyl tert-butyl Ether	3.38	73	67770	5.274	ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	27178	5.044	ug/L	97
19) 1,1-Dichloroethane	3.89	63	50900	5.117	ug/L	96
21) 2-Butanone	4.73	43	94464	52.772	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	29285	4.997	ug/L	89

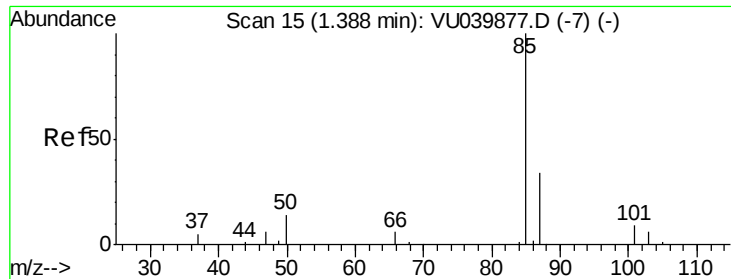
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081720\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	13589	4.937	ug/L	92
25) Chloroform	5.11	83	52470	4.907	ug/L	96
27) 1,2-Dichloroethane	5.81	62	35821	4.861	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	44178	4.824	ug/L	98
30) Cyclohexane	5.41	56	45755	5.192	ug/L	97
31) Carbon tetrachloride	5.54	117	38829	4.621	ug/L	99
33) Benzene	5.79	78	114560	5.121	ug/L	100
34) Trichloroethene	6.56	95	28982	4.989	ug/L	96
35) Methylcyclohexane	6.77	83	45078	4.861	ug/L	93
37) 1,2-Dichloropropane	6.80	63	29962	5.043	ug/L	97
38) Bromodichloromethane	7.12	83	37892	4.874	ug/L	96
39) cis-1,3-Dichloropropene	7.62	75	41100	5.072	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	223070	50.241	ug/L	99
42) Toluene	7.98	91	119195	5.070	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	36371	4.982	ug/L	93
45) 1,1,2-Trichloroethane	8.40	97	21600	4.833	ug/L	94
47) Tetrachloroethene	8.56	164	21063	4.395	ug/L	94
48) 2-Hexanone	8.69	43	162864	50.797	ug/L	98
49) Dibromochloromethane	8.82	129	25064	4.570	ug/L	94
50) 1,2-Dibromoethane	8.93	107	21151	4.826	ug/L	98
51) Chlorobenzene	9.45	112	76552	4.846	ug/L	99
52) Ethylbenzene	9.57	91	125616	4.774	ug/L	97
53) m,p-Xylene	9.69	106	50052	4.996	ug/L	97
54) o-Xylene	10.10	106	47712	4.863	ug/L	99
55) Styrene	10.11	104	82478	4.992	ug/L	100
56) Isopropylbenzene	10.48	105	123644	4.716	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	28042	4.561	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	20621	4.812	ug/L	99
61) Bromoform	10.29	173	12841	4.492	ug/L	91
62) 1,3-Dichlorobenzene	11.74	146	61348	4.954	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	61683	4.725	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	57643	4.724	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.99	75	4414	4.785	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	44171	4.706	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	37819	4.808	ug/L	100
69) Naphthalene	14.08	128	68034	4.838	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	35187	4.986	ug/L	98

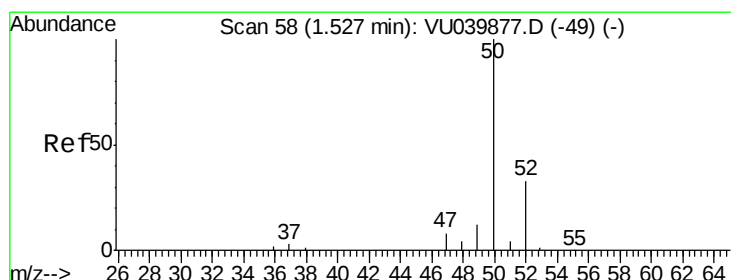
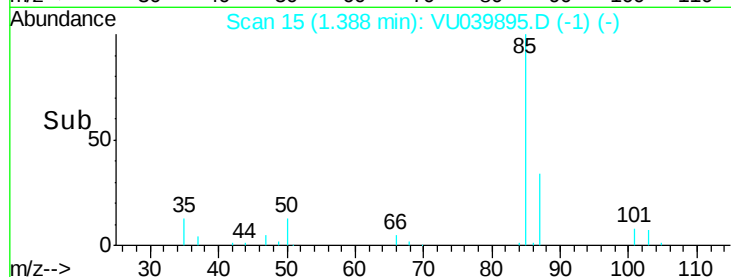
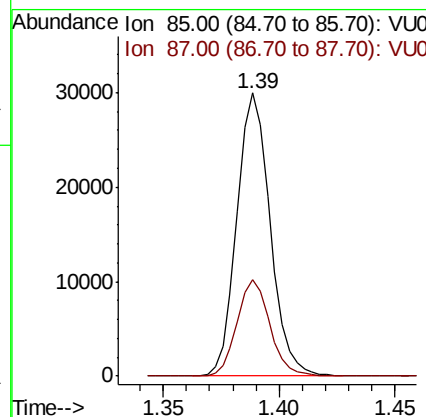
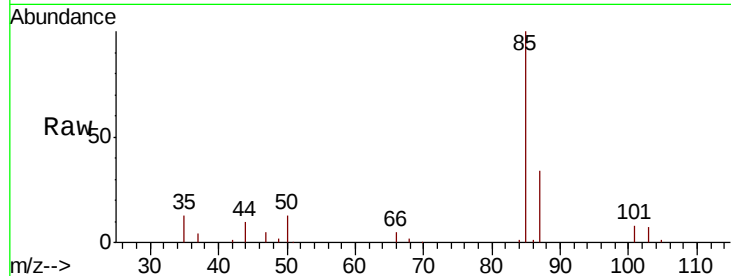
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.554 ug/L
RT: 1.39 min Scan# 15
Delta R.T. 0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39

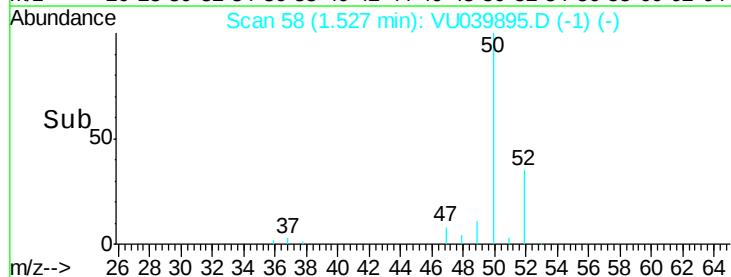
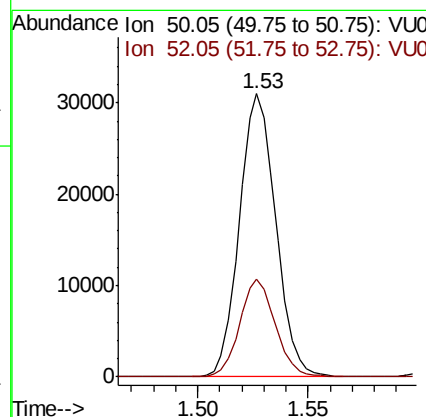
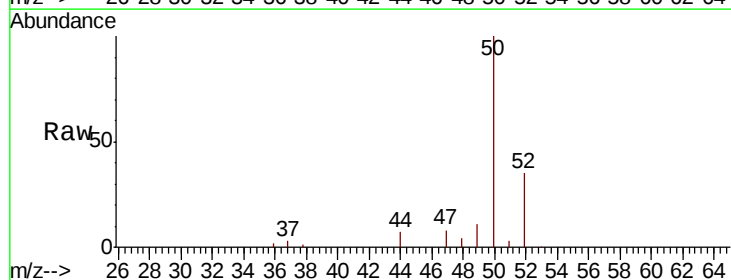
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

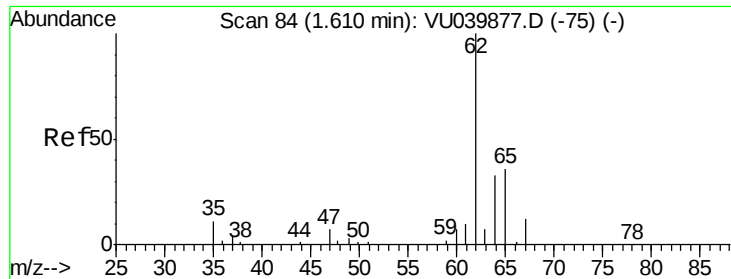
Tot Ion: 85 Resp: 29794
Ion Ratio Lower Upper
85 100
87 33.3 25.4 38.0



#3
Chloromethane
Concen: 5.161 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39

Tgt Ion: 50 Resp: 35506
Ion Ratio Lower Upper
50 100
52 34.6 21.6 40.0





#5

Vinyl chloride

Concen: 5.199 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039895.D

Acq: 17 Aug 2020 18:39

Instrument :

MSVOA_U

ClientSampled :

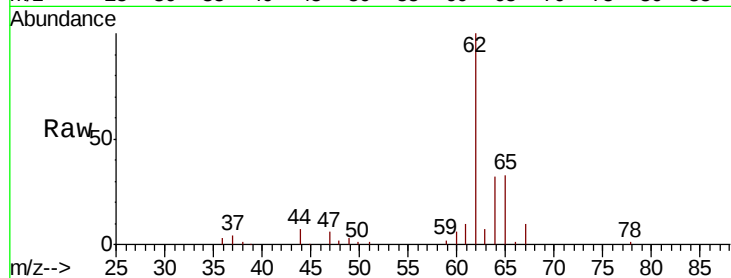
VSTD00524

Tot Ion: 62 Resp: 34290

Ion Ratio Lower Upper

62 100

64 32.0 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039877.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039877.D (-75) (-)

1.61

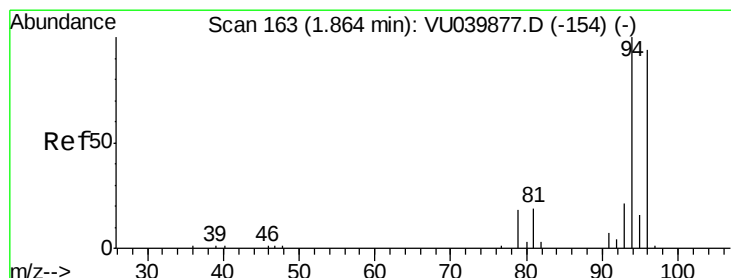
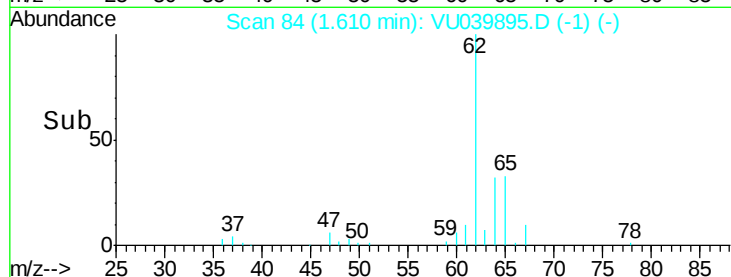
30000

20000

10000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 4.669 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU039895.D

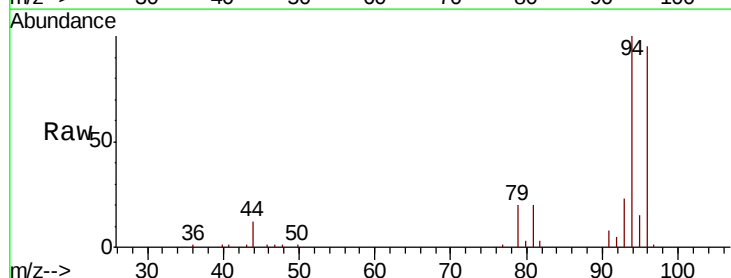
Acq: 17 Aug 2020 18:39

Tgt Ion: 94 Resp: 19490

Ion Ratio Lower Upper

94 100

96 95.1 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU039877.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU039877.D (-154) (-)

1.86

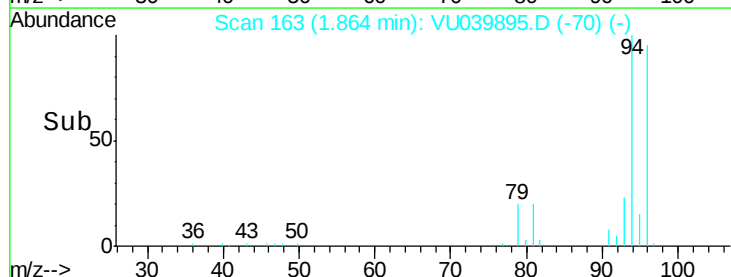
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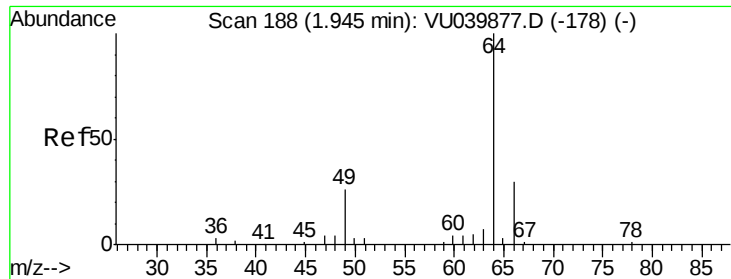
10000

5000

0

Time--> 1.80 1.85 1.90

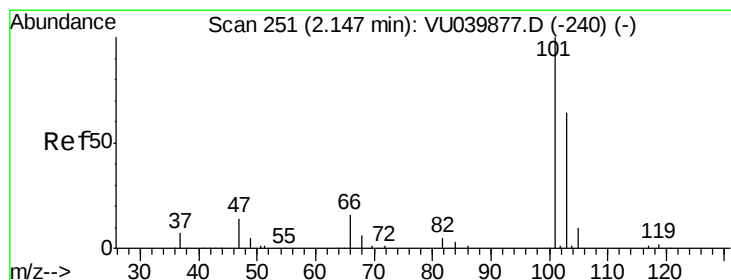
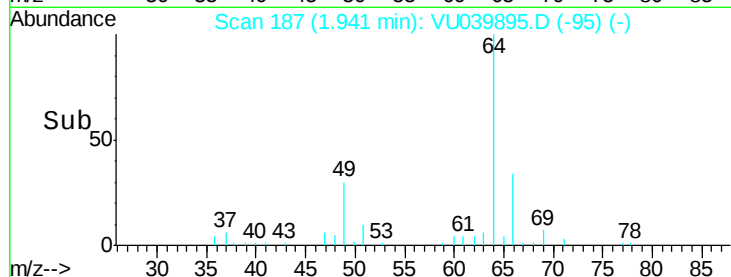
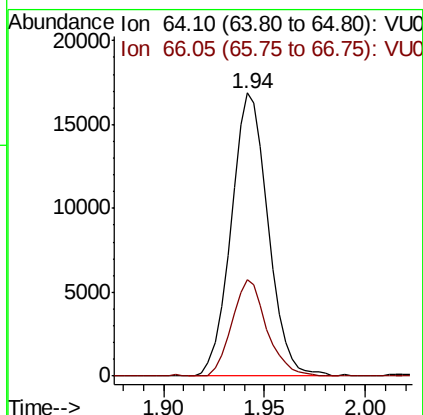
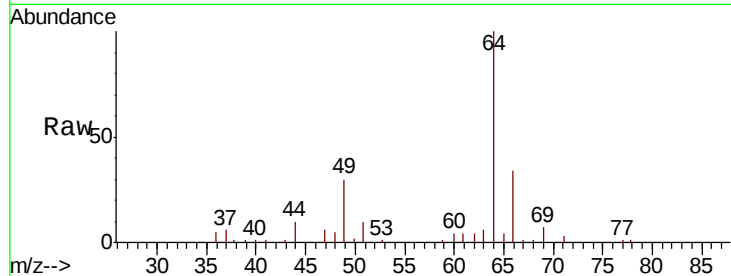




#8
Chloroethane
Concen: 4.470 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39

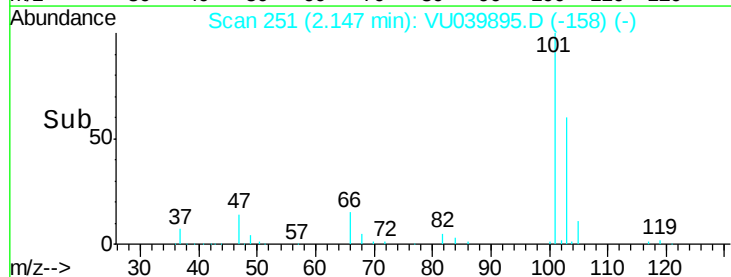
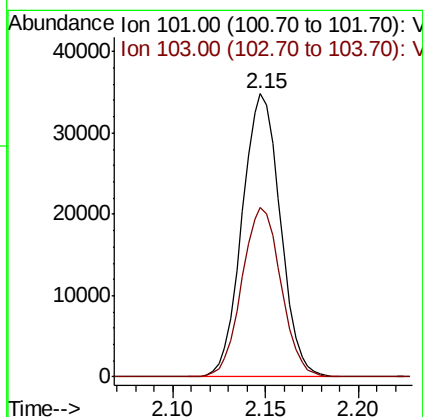
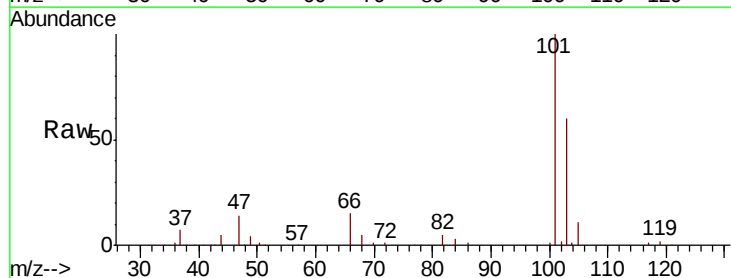
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

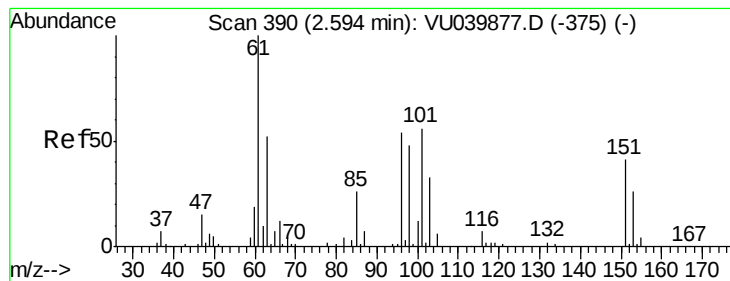
Tot Ion: 64 Resp: 21623
Ion Ratio Lower Upper
64 100
66 34.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.871 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39

Tgt Ion:101 Resp: 49966
Ion Ratio Lower Upper
101 100
103 61.2 51.4 77.2





#10

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

Concen: 4.933 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039895.D

Acq: 17 Aug 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

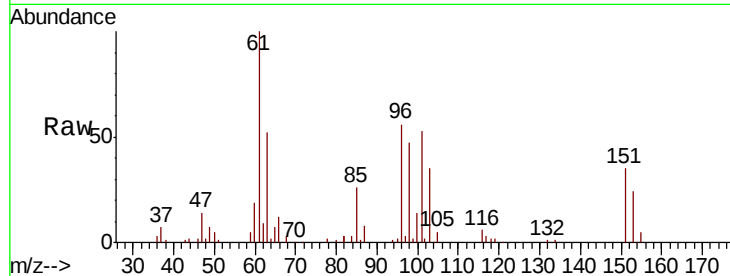
Tot Ion:101 Resp: 27457

Ion Ratio Lower Upper

101 100

85 45.0 37.9 56.9

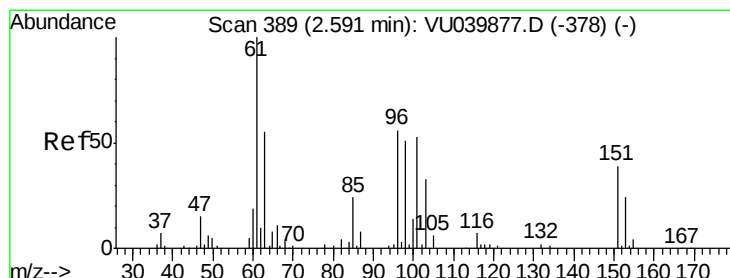
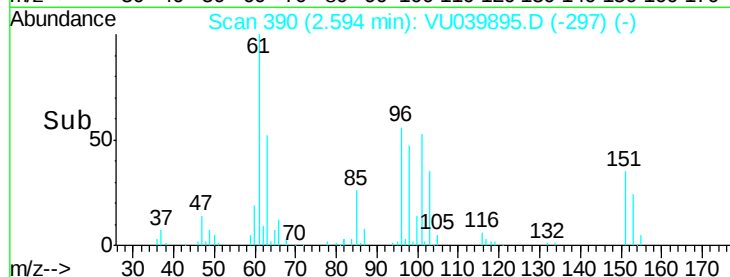
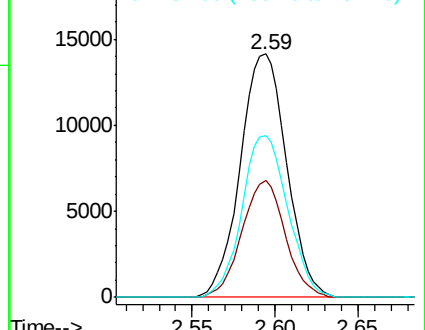
151 65.7 54.7 82.1



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: 5.070 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039895.D

Acq: 17 Aug 2020 18:39

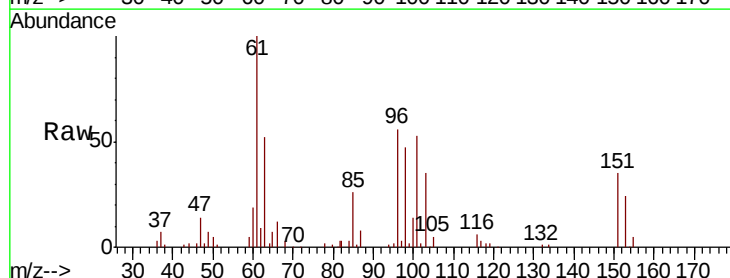
Tgt Ion: 96 Resp: 24537

Ion Ratio Lower Upper

96 100

61 178.2 121.7 225.9

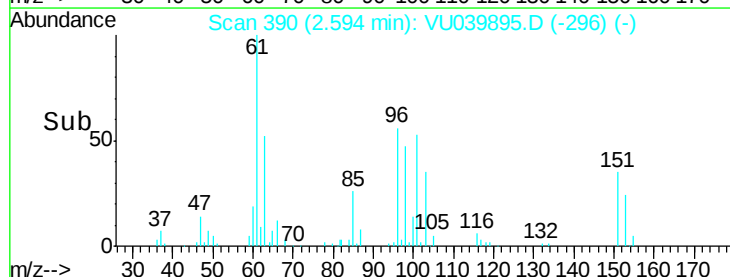
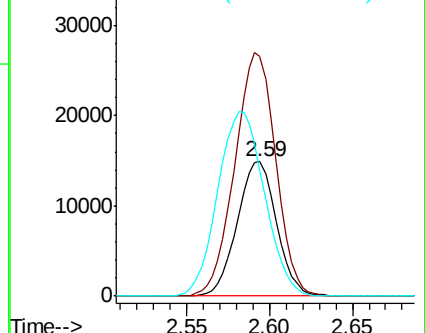
63 93.3 82.1 152.5

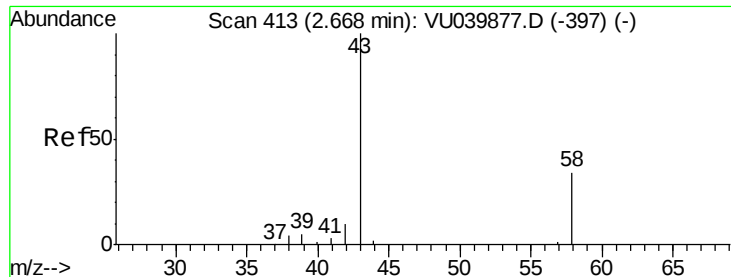


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.032 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.02 min

Lab File: VU039895.D

Acq: 17 Aug 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

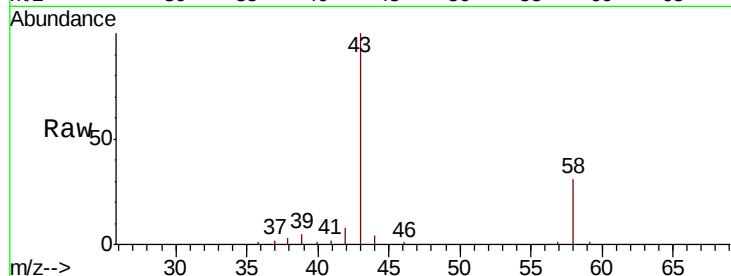
VSTD00524

Tot Ion: 43 Resp: 53423

Ion Ratio Lower Upper

43 100

58 31.2 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039877.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU039877.D (-397) (-)

2.65

20000

15000

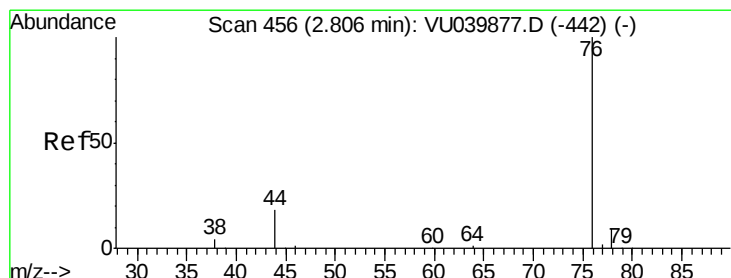
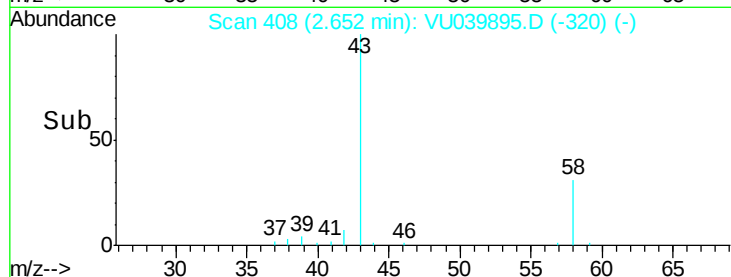
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5000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 5.664 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039895.D

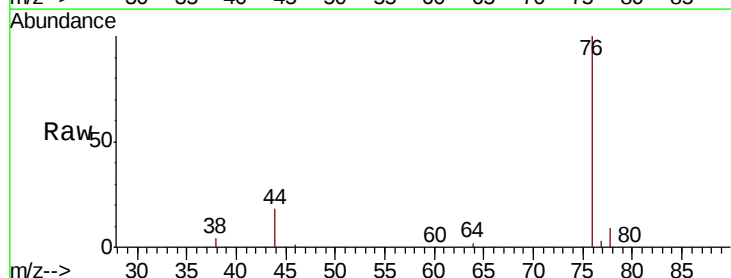
Acq: 17 Aug 2020 18:39

Tgt Ion: 76 Resp: 85708

Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039877.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU039877.D (-442) (-)

2.81

60000

50000

40000

30000

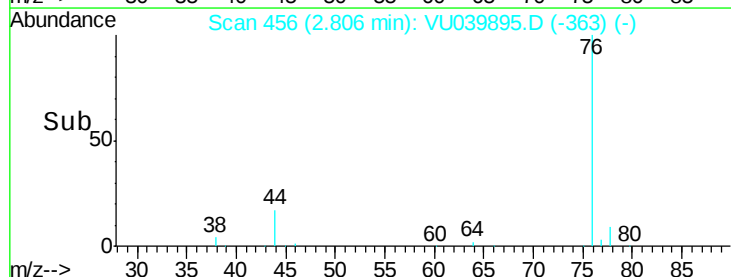
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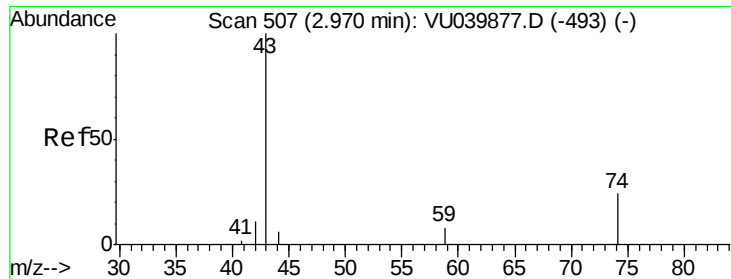
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0

Time-->

2.75 2.80 2.85 2.90

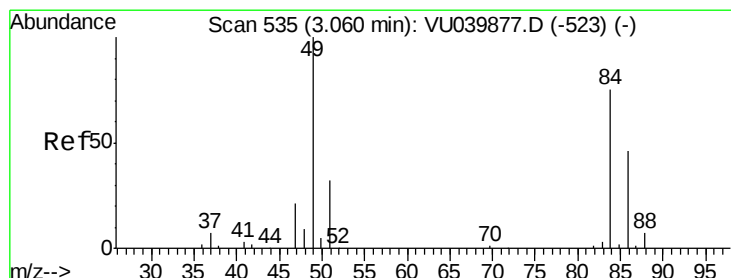
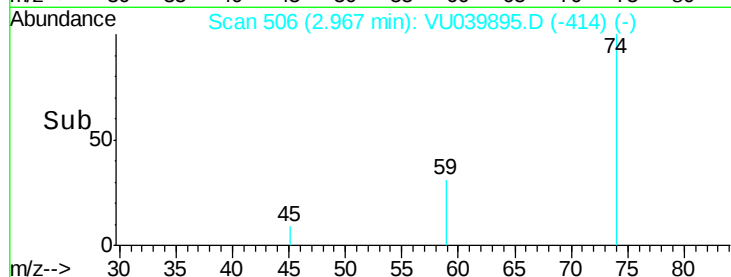
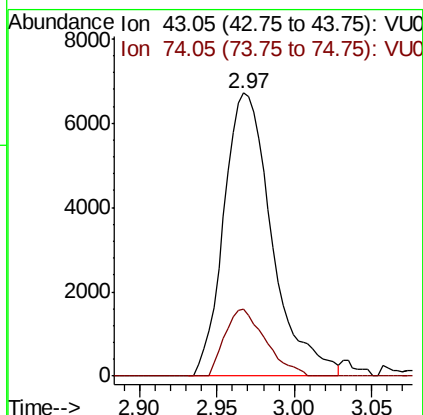
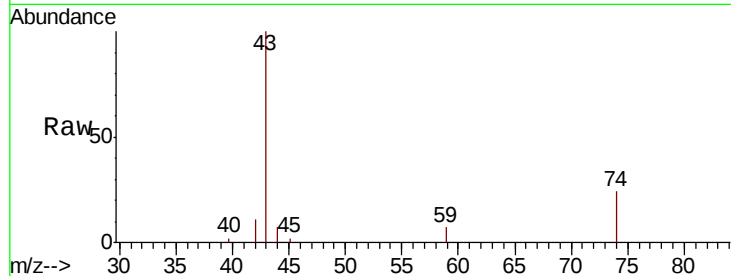




#15
Methvl Acetate
Concen: 5.182 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39

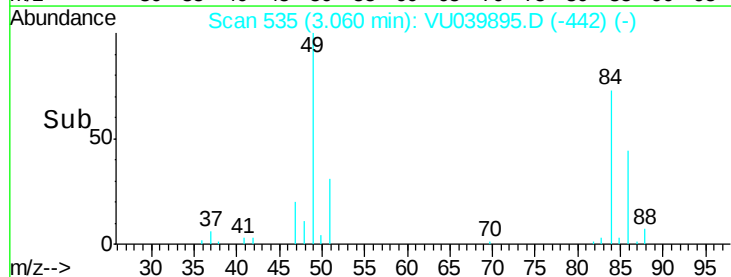
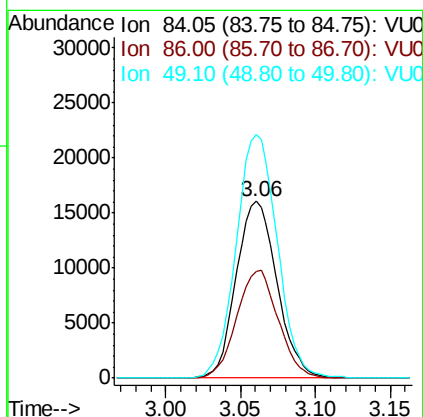
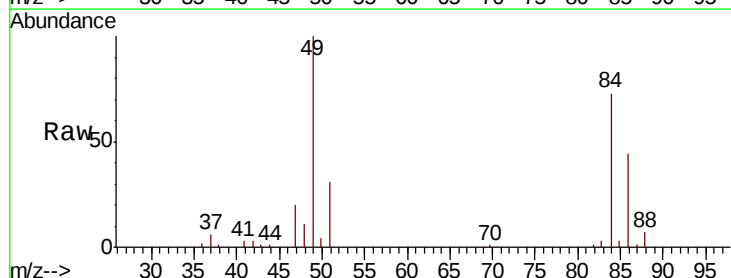
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

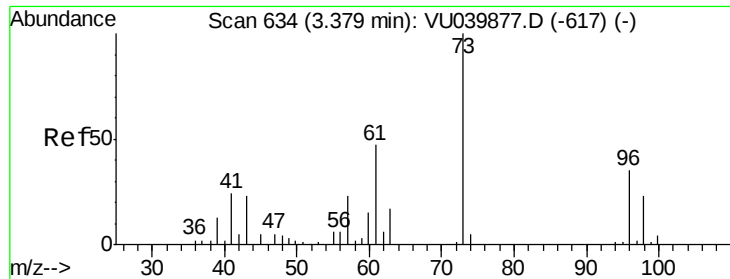
Tot Ion: 43 Resp: 14517
Ion Ratio Lower Upper
43 100
74 20.0 16.6 25.0



#16
Methylene chloride
Concen: 3.915 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39

Tgt Ion: 84 Resp: 30543
Ion Ratio Lower Upper
84 100
86 60.7 43.9 81.5
49 137.9 94.4 175.4

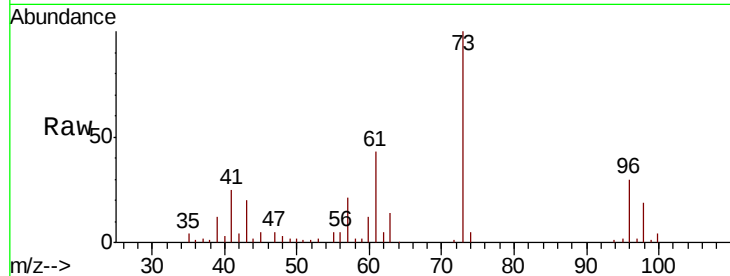




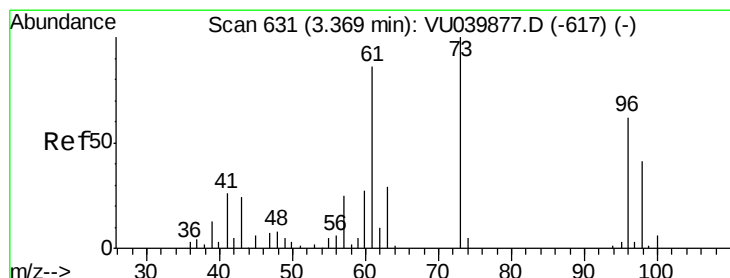
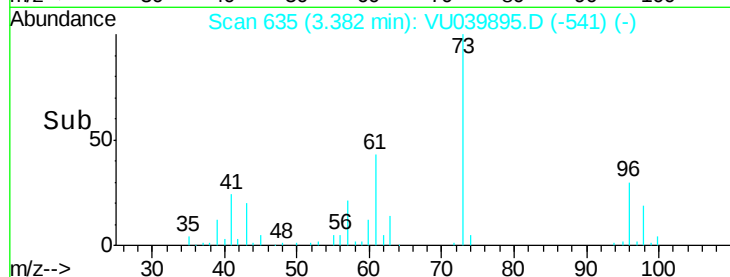
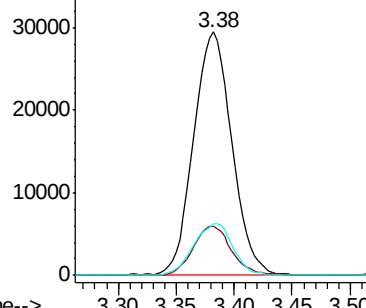
#17
Methvl tert-butvl Ether
Concen: 5.274 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion: 73 Resp: 67770
Ion Ratio Lower Upper
73 100
43 20.3 18.2 27.4
57 21.7 17.8 26.8

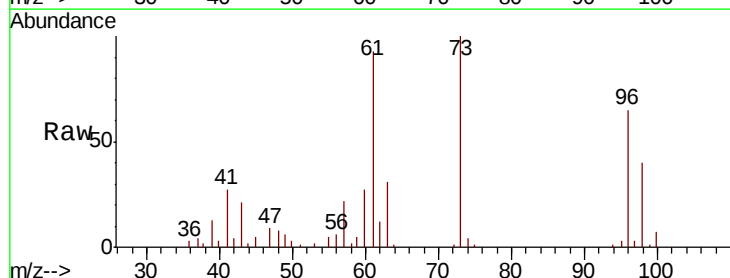


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

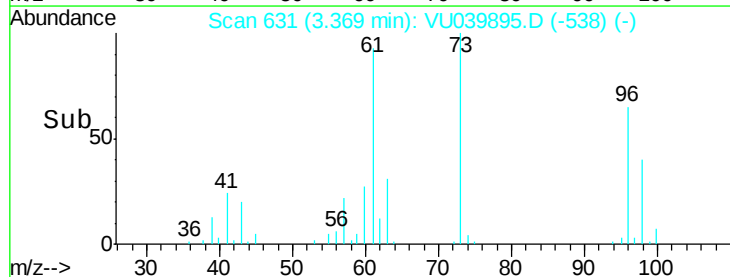
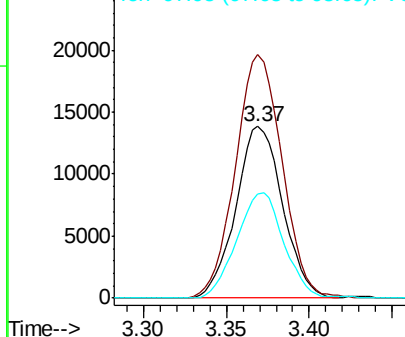


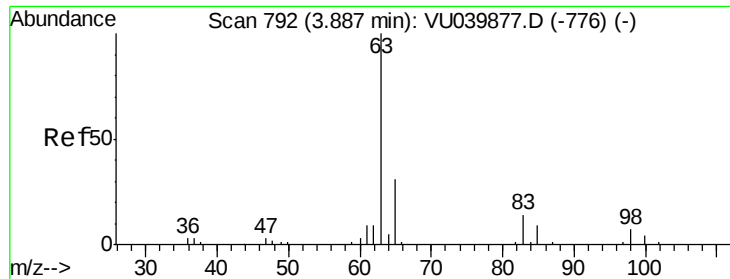
#18
trans-1,2-Dichloroethene
Concen: 5.044 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39

Tgt Ion: 96 Resp: 27178
Ion Ratio Lower Upper
96 100
61 142.0 96.5 179.1
98 61.0 40.9 76.0



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

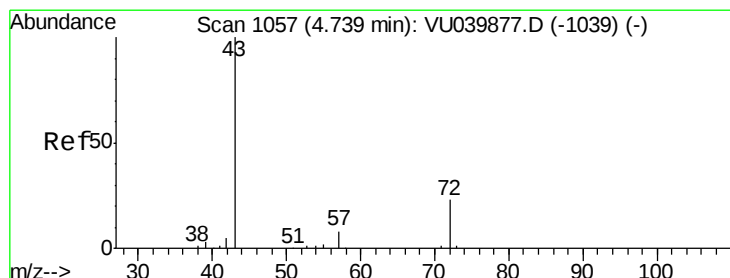
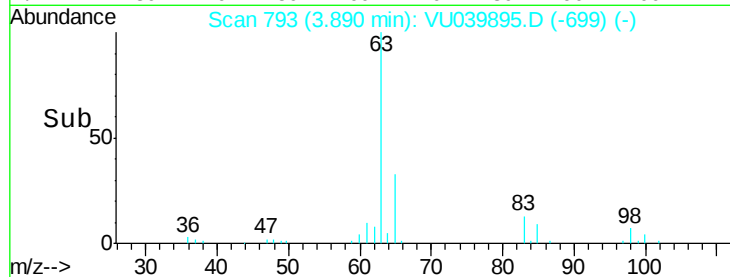
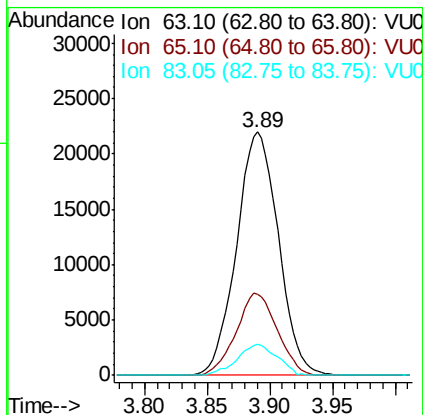
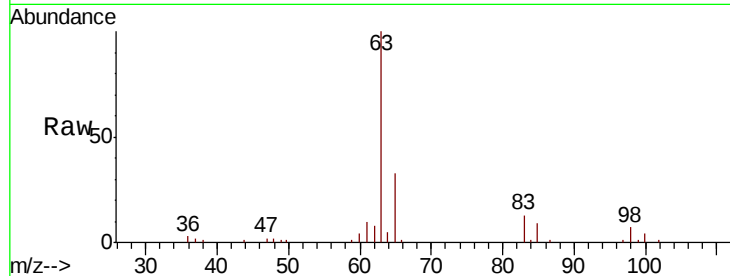




#19
 1,1-Dichloroethane
 Concen: 5.117 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

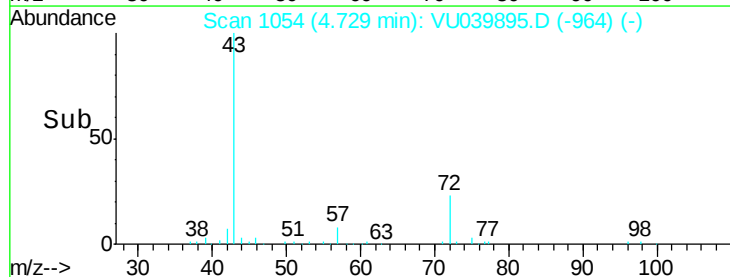
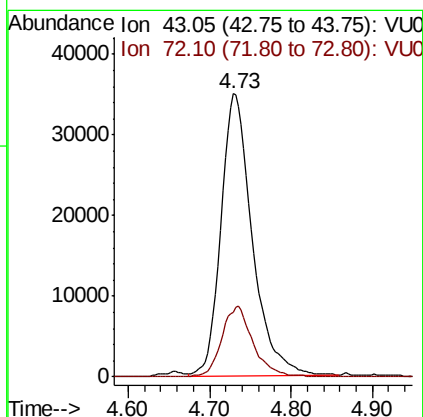
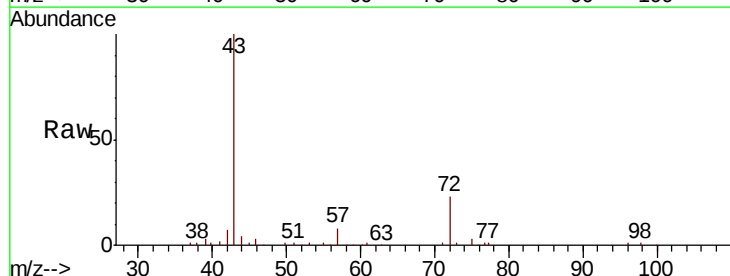
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

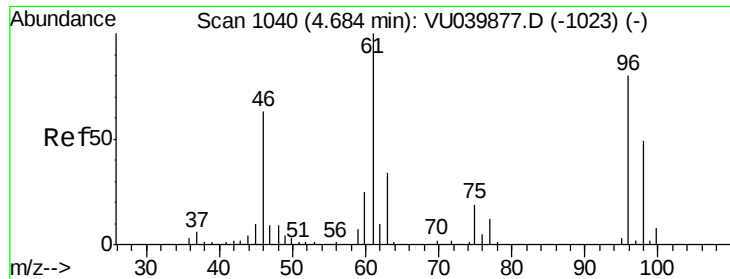
Tot Ion: 63 Resp: 50900
 Ion Ratio Lower Upper
 63 100
 65 33.5 22.0 41.0
 83 12.9 10.9 20.2



#21
 2-Butanone
 Concen: 52.772 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

Tgt Ion: 43 Resp: 94464
 Ion Ratio Lower Upper
 43 100
 72 25.1 13.0 39.0

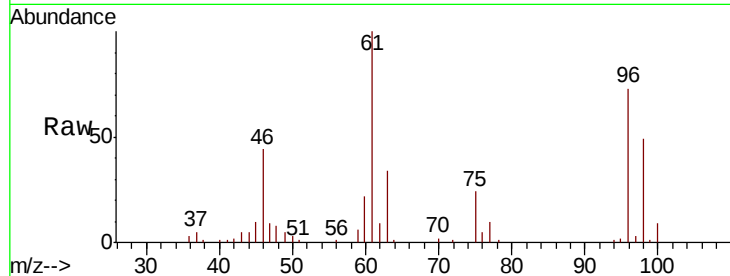




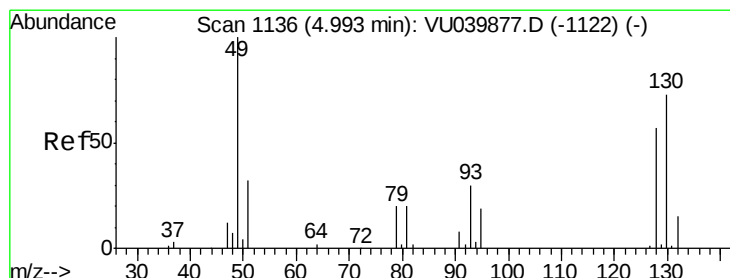
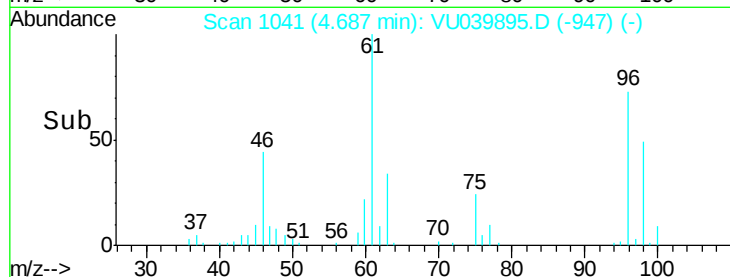
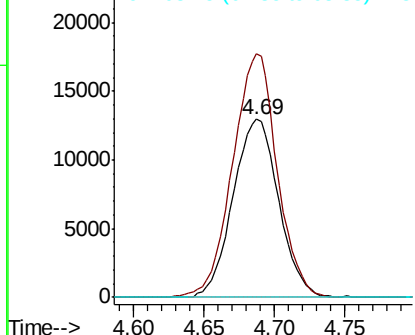
#22
 cis-1,2-Dichloroethene
 Concen: 4.997 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion: 96 Resp: 29285
 Ion Ratio Lower Upper
 96 100
 61 136.9 87.4 162.2
 68 0.0 0.0 0.0

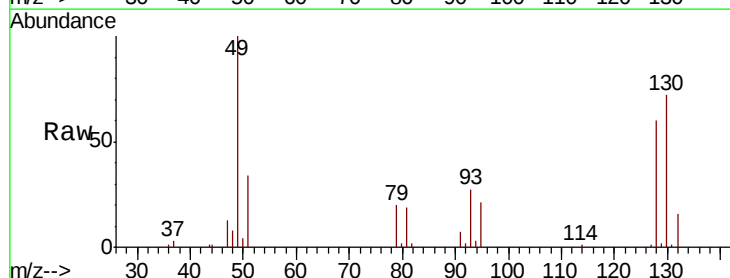


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

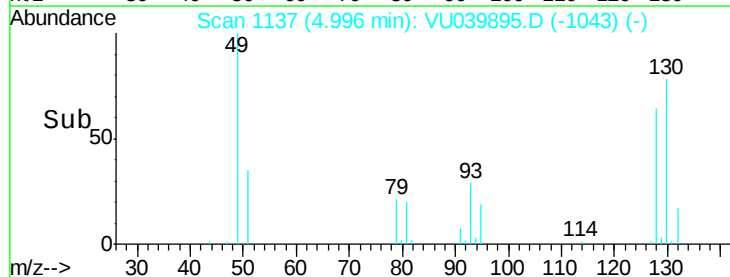
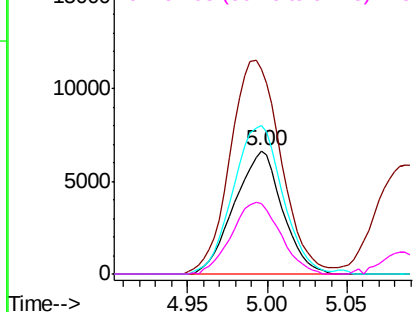


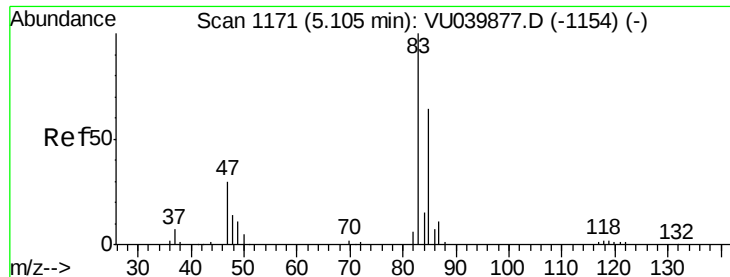
#23
 Bromochloromethane
 Concen: 4.937 ug/L
 RT: 5.00 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

Tgt Ion: 128 Resp: 13589
 Ion Ratio Lower Upper
 128 100
 49 172.3 110.3 204.9
 130 120.5 82.0 152.4
 51 57.0 40.8 61.2



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

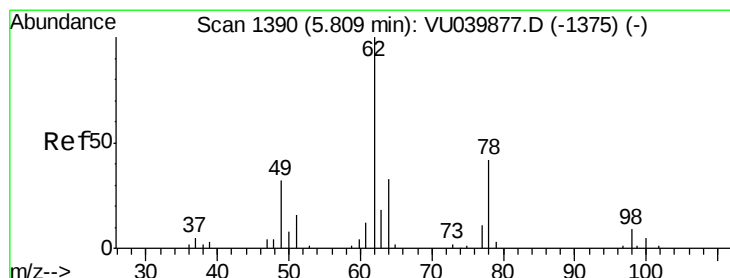
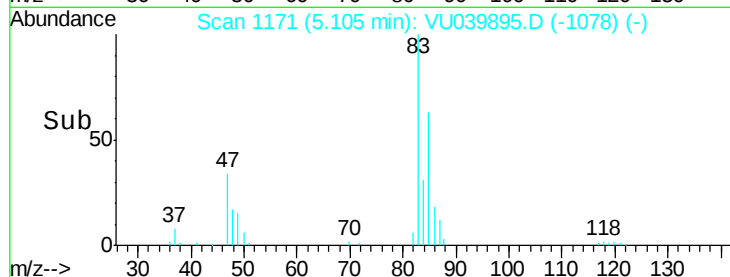
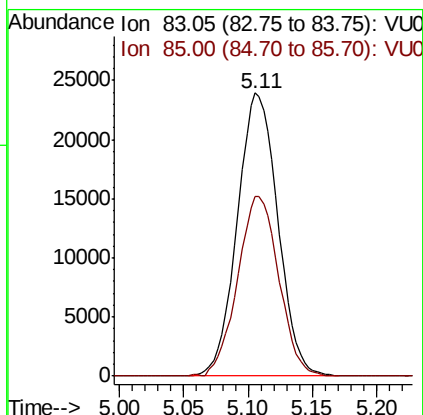
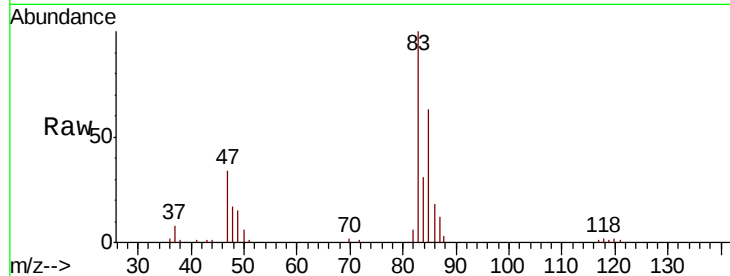




#25
Chloroform
Concen: 4.907 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39

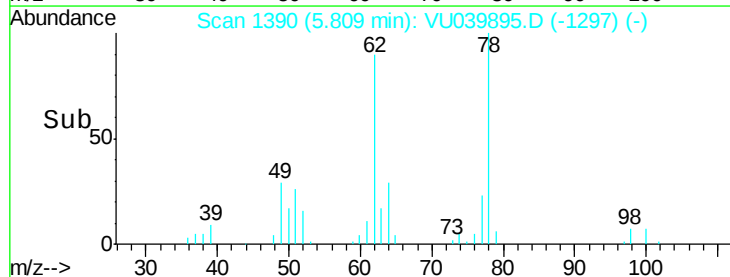
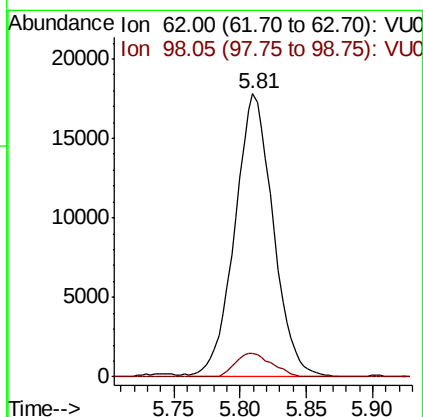
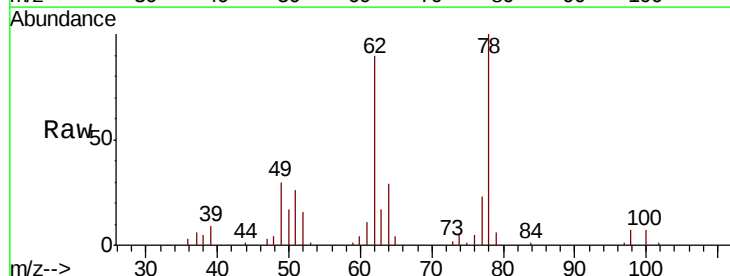
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

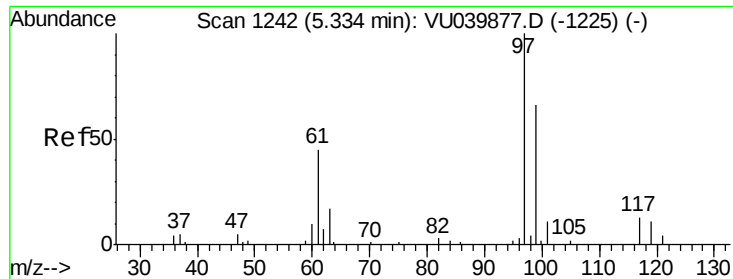
Tot Ion: 83 Resp: 52470
Ion Ratio Lower Upper
83 100
85 63.3 42.1 78.3



#27
1,2-Dichloroethane
Concen: 4.861 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39

Tgt Ion: 62 Resp: 35821
Ion Ratio Lower Upper
62 100
98 8.3 7.3 10.9

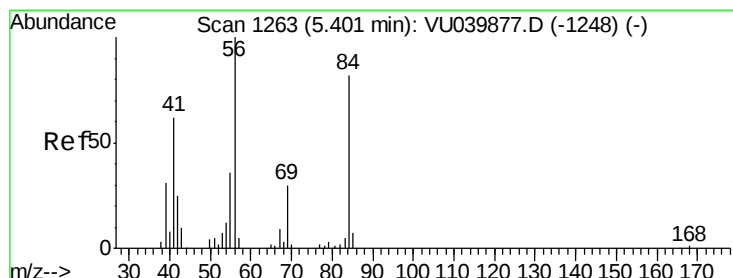
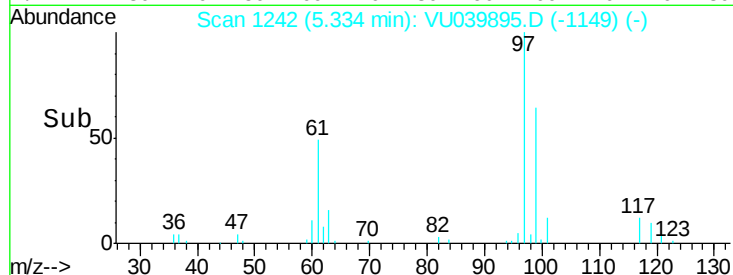
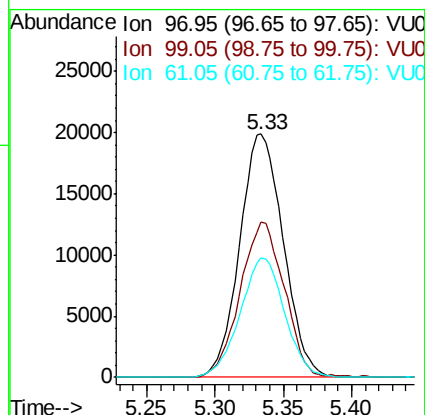
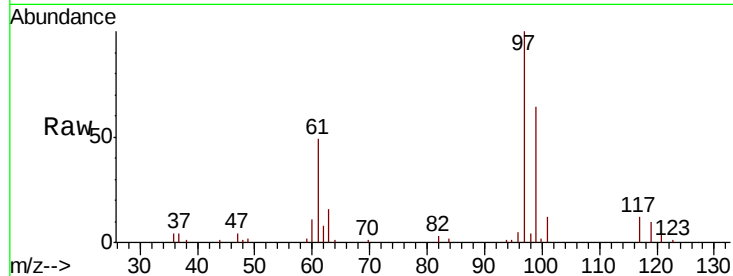




#29
 1,1,1-Trichloroethane
 Concen: 4.824 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

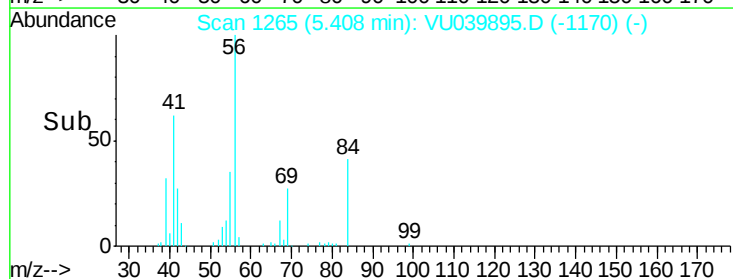
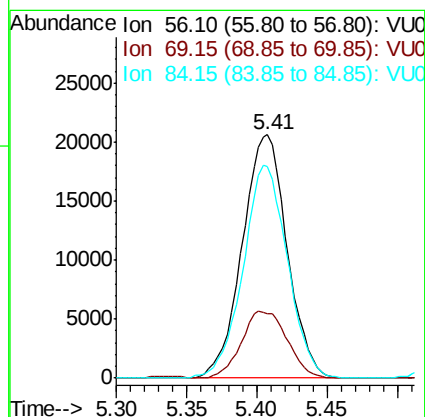
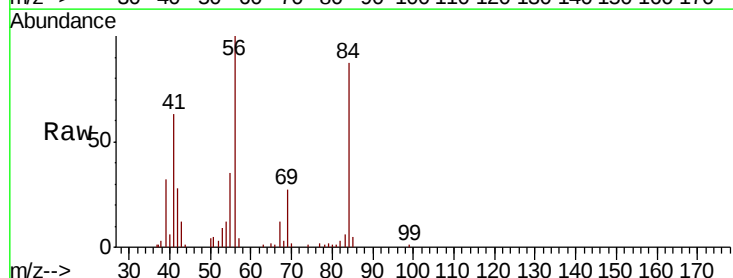
Instrument :
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 ClientSampleId :
 VSTD00524

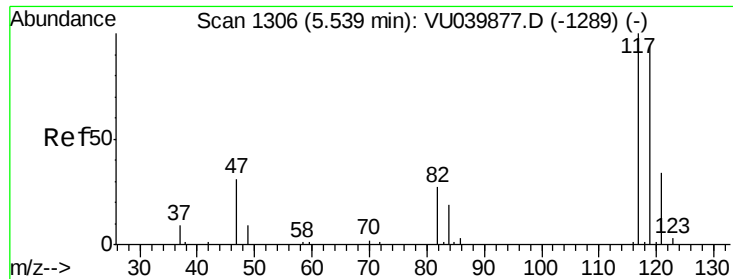
Tot Ion: 97 Resp: 44178
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.8 79.2
 61 50.0 40.5 60.7



#30
 Cyclohexane
 Concen: 5.192 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

Tgt Ion: 56 Resp: 45755
 Ion Ratio Lower Upper
 56 100
 69 28.0 24.4 36.6
 84 86.6 71.3 106.9

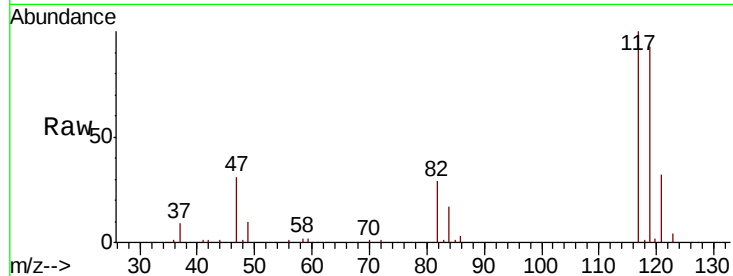




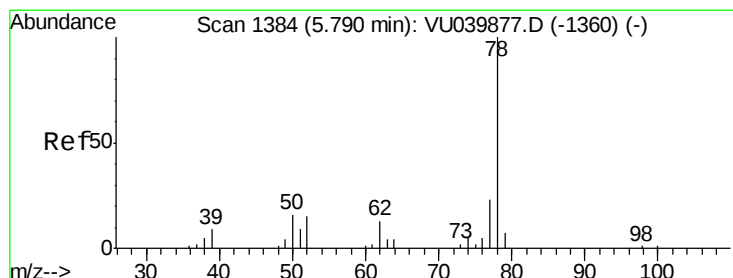
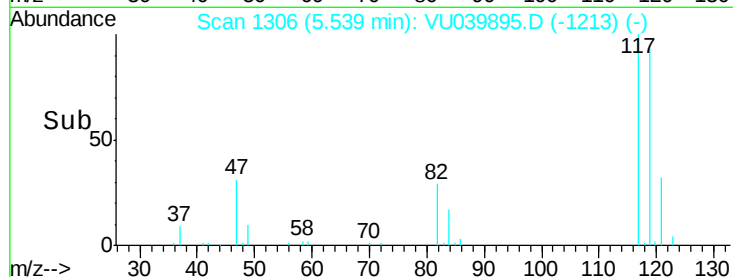
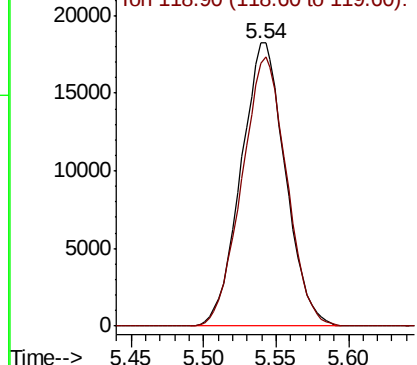
#31
Carbon tetrachloride
Concen: 4.621 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

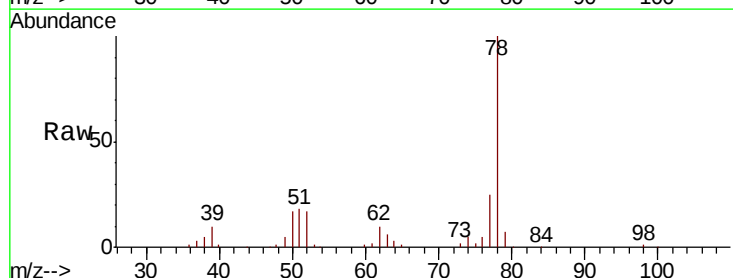
Tot Ion:117 Resp: 38829
Ion Ratio Lower Upper
117 100
119 95.7 75.5 113.3



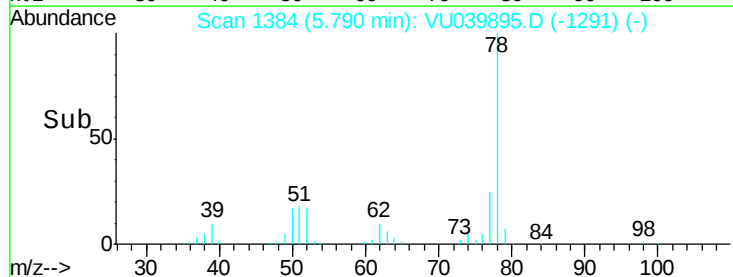
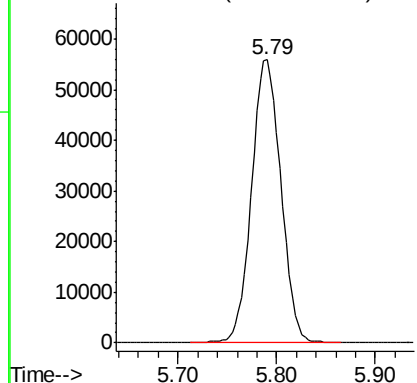
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

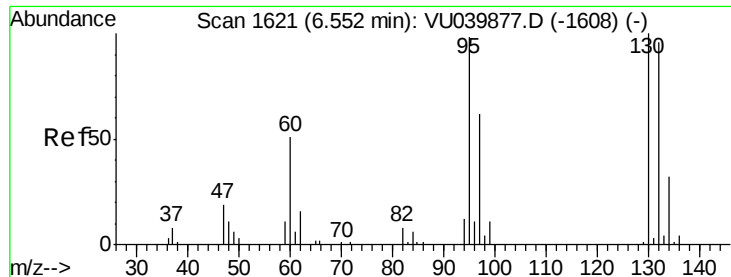


#33
Benzene
Concen: 5.121 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39
Tgt Ion: 78 Resp: 114560



Abundance Ion 78.10 (77.80 to 78.80): VU0

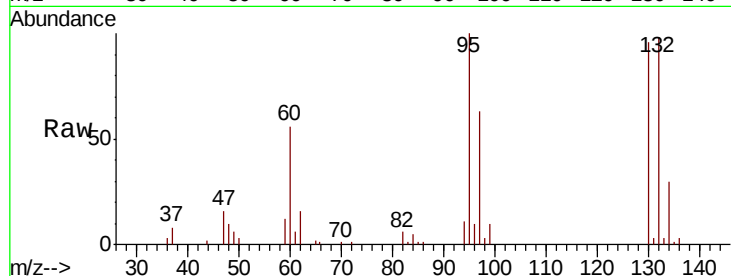




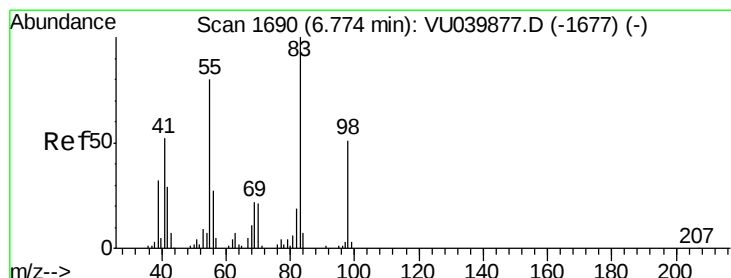
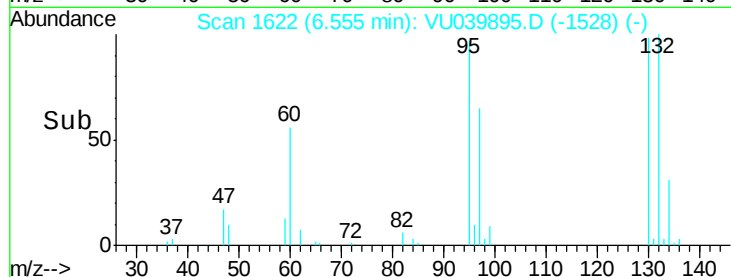
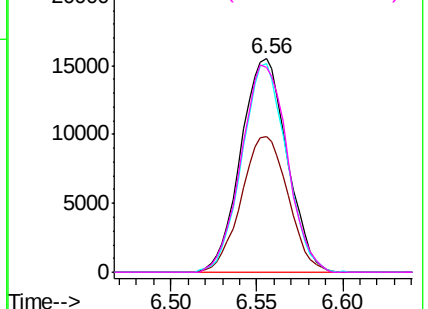
#34
 Trichloroethene
 Concen: 4.989 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion: 95 Resp: 28982
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.0 81.8
 132 98.0 71.7 133.3
 130 96.1 71.1 132.1

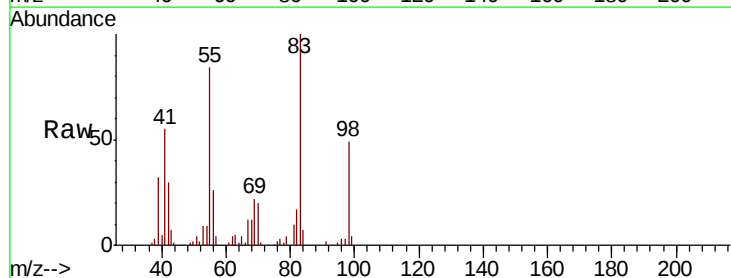


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

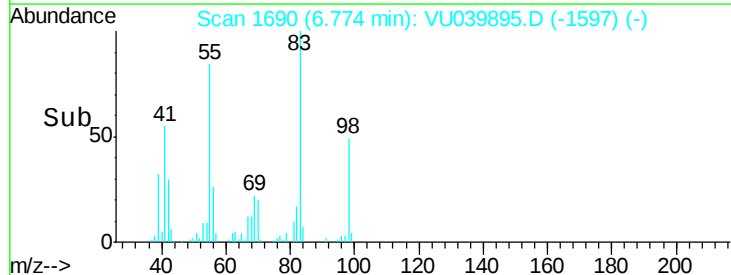
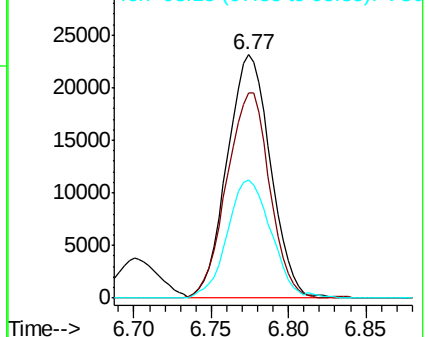


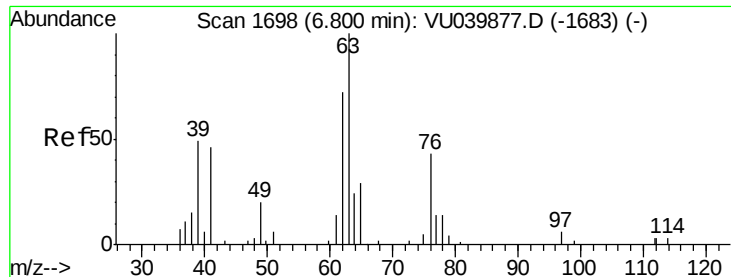
#35
 Methylcyclohexane
 Concen: 4.861 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

Tgt Ion: 83 Resp: 45078
 Ion Ratio Lower Upper
 83 100
 55 83.7 59.4 89.0
 98 49.3 39.0 58.4



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

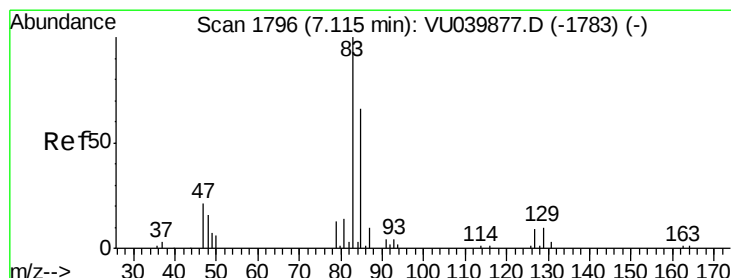
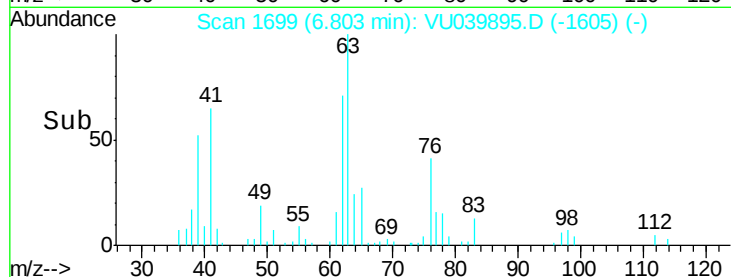
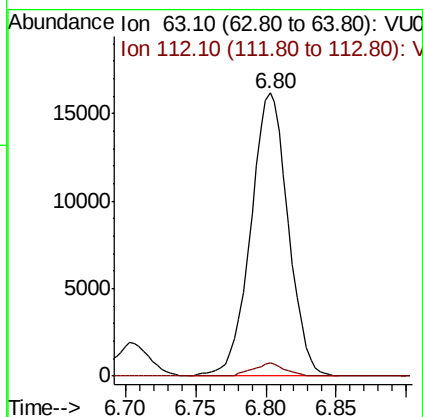
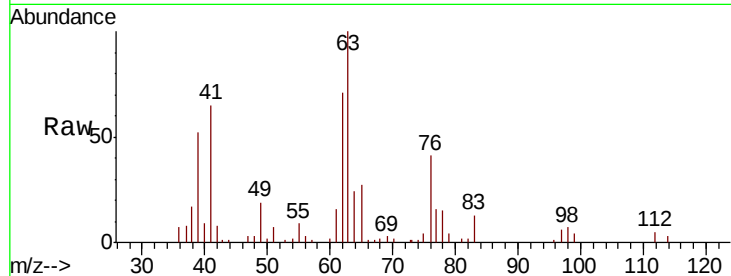




#37
 1,2-Dichloropropane
 Concen: 5.043 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

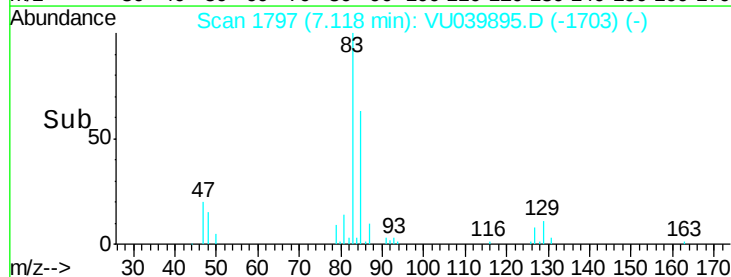
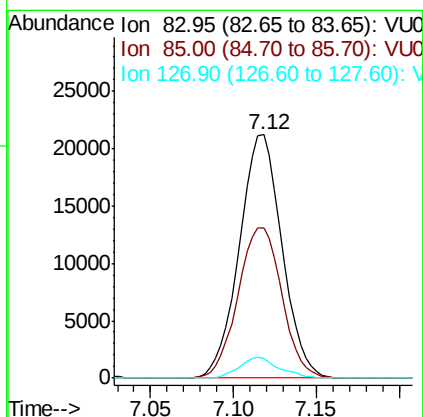
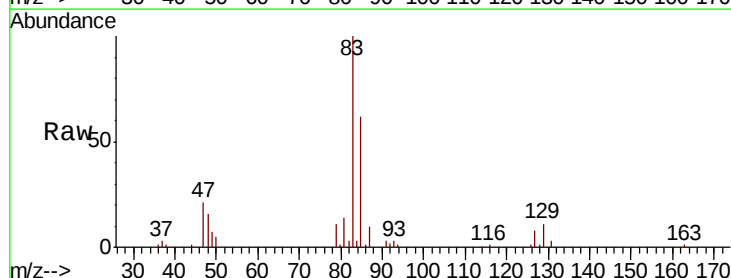
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

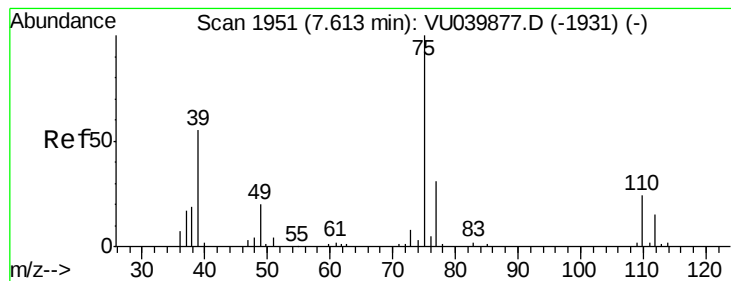
Tot Ion: 63 Resp: 29962
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.874 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

Tgt Ion: 83 Resp: 37892
 Ion Ratio Lower Upper
 83 100
 85 61.8 45.3 84.1
 127 7.9 7.5 11.3



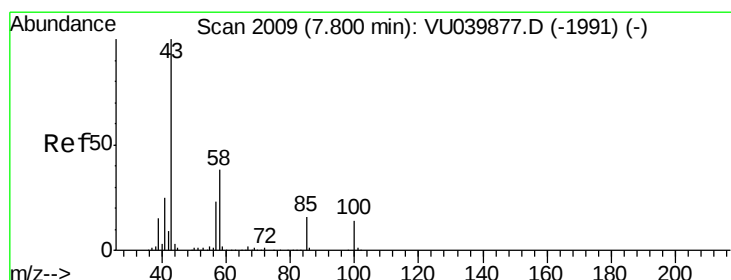
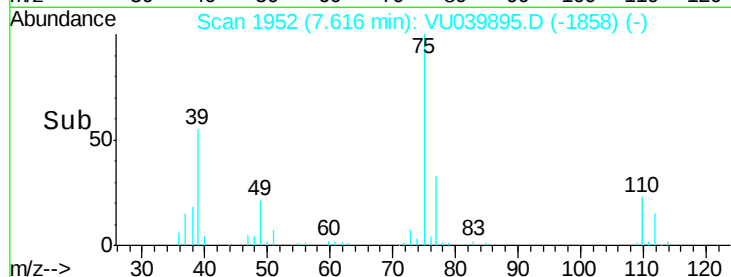
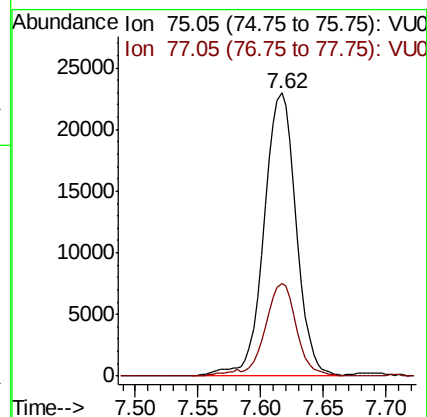
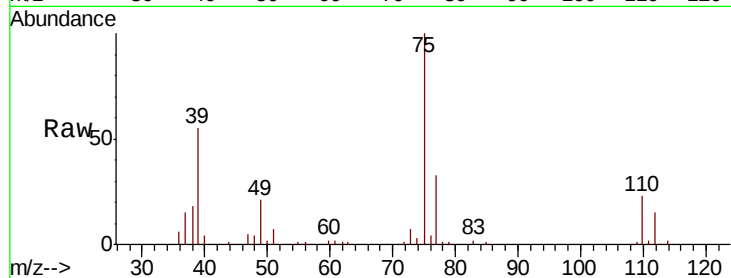


#39

cis-1,3-Dichloropropene
 Concen: 5.072 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

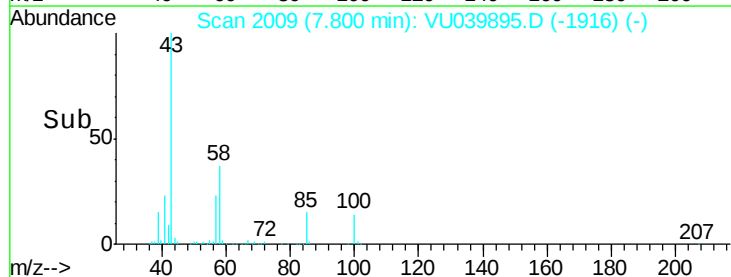
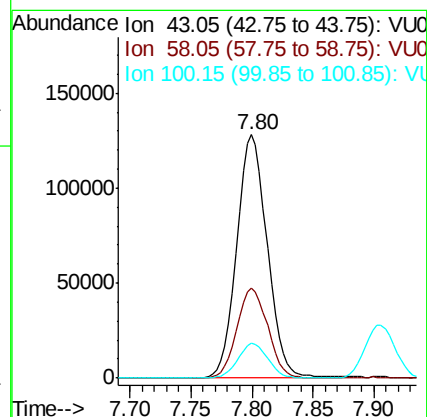
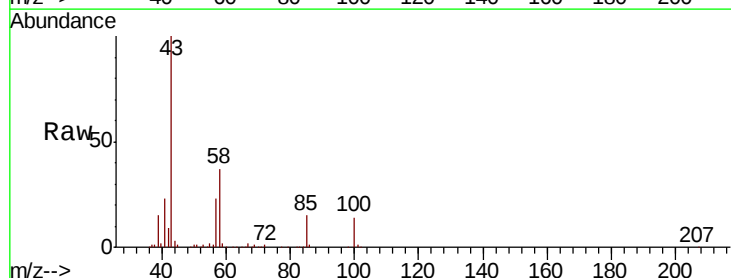
Tot Ion: 75 Resp: 41100
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.4 41.6

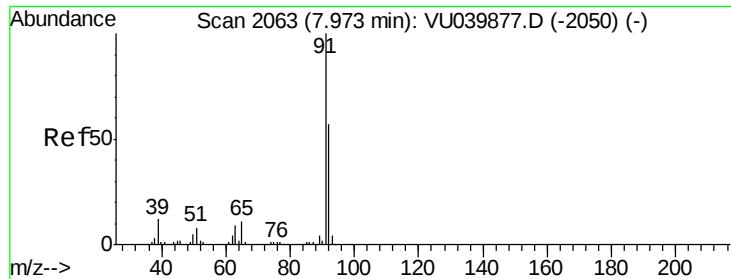


#40

4-Methyl-2-pentanone
 Concen: 50.241 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

Tgt Ion: 43 Resp: 223070
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.4 44.2
 100 13.9 11.7 17.5





#42

Toluene

Concen: 5.070 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039895.D

Acq: 17 Aug 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

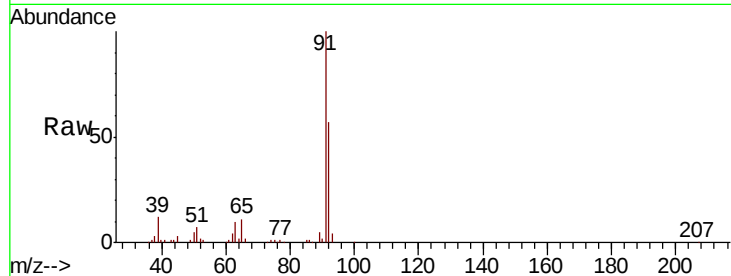
VSTD00524

Tot Ion: 91 Resp: 119195

Ion Ratio Lower Upper

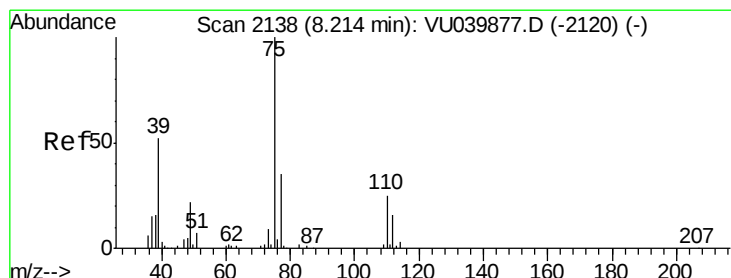
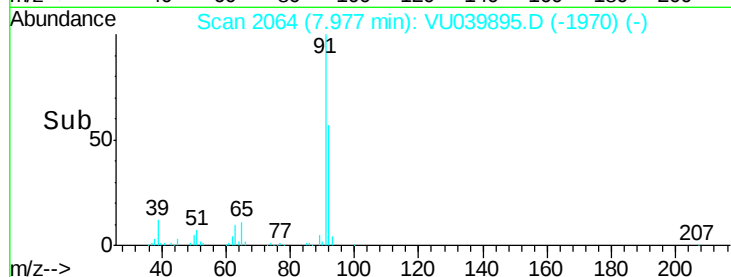
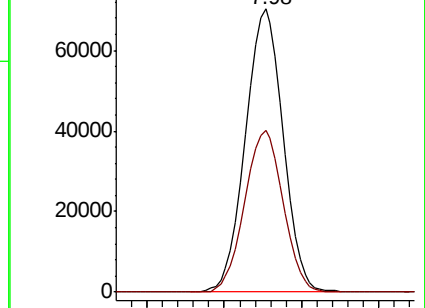
91 100

92 57.3 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039877.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039895.D (-1970) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.982 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039895.D

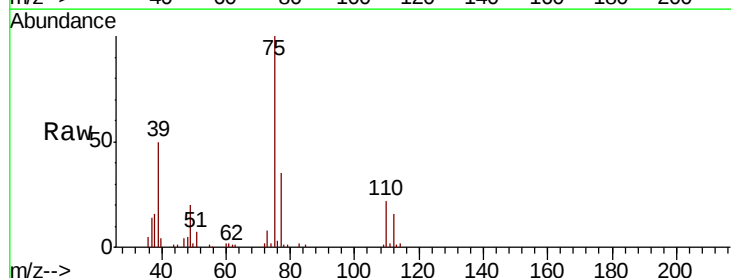
Acq: 17 Aug 2020 18:39

Tgt Ion: 75 Resp: 36371

Ion Ratio Lower Upper

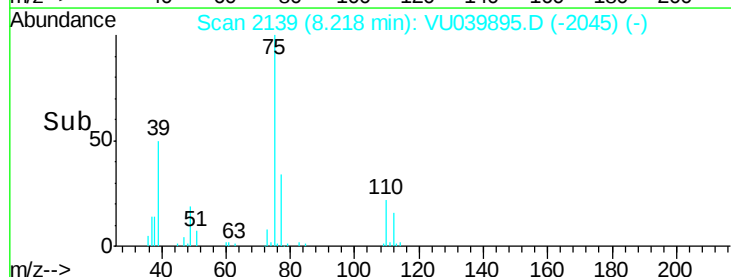
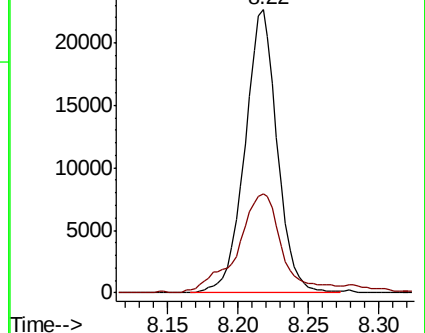
75 100

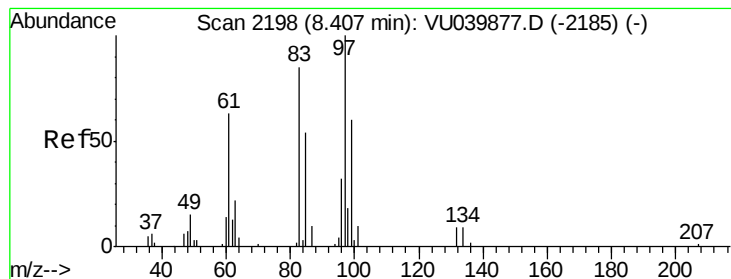
77 34.9 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU039877.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU039895.D (-2045) (-)





#45

1,1,2-Trichloroethane

Concen: 4.833 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU039895.D

Acq: 17 Aug 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

Tot Ion: 97 Resp: 21600

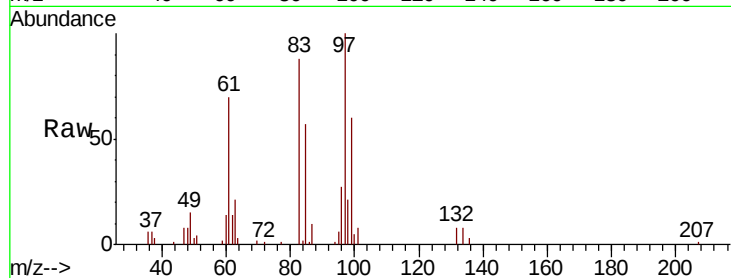
Ion Ratio Lower Upper

97 100

99 59.9 42.0 78.0

83 88.5 55.2 102.4

85 57.0 37.0 68.6

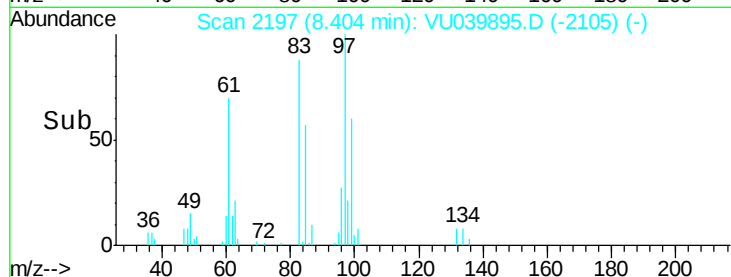


Abundance Ion 96.95 (96.65 to 97.65): VU0

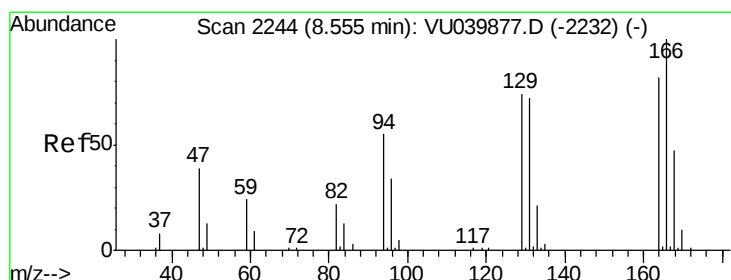
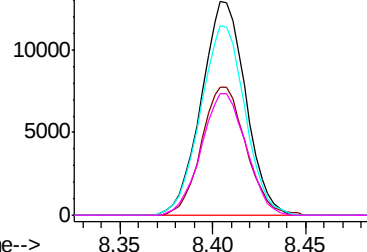
Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



Time-->



#47

Tetrachloroethene

Concen: 4.395 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039895.D

Acq: 17 Aug 2020 18:39

Tgt Ion: 164 Resp: 21063

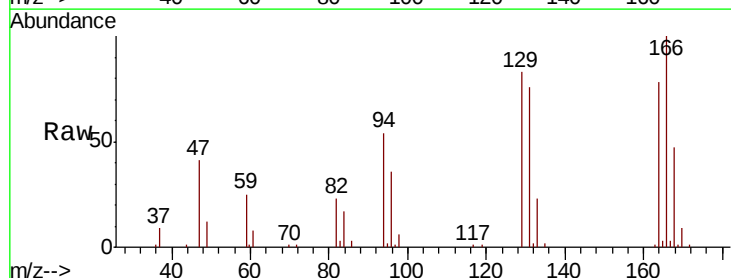
Ion Ratio Lower Upper

164 100

129 106.3 65.9 122.5

131 97.4 68.1 126.5

166 128.3 84.5 156.9

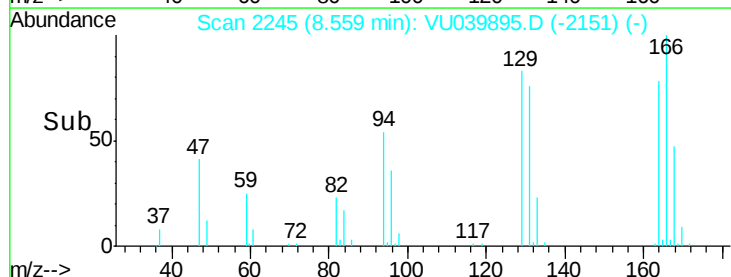


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

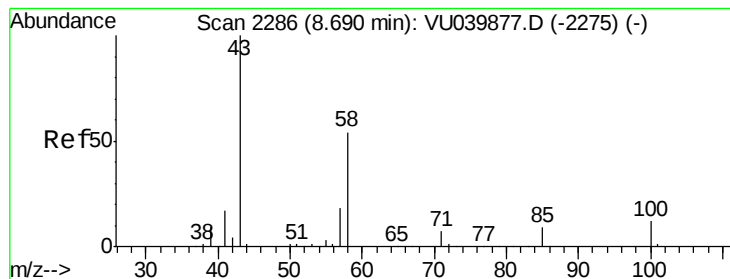
Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



Time-->





#48

2-Hexanone

Concen: 50.797 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU039895.D

Acq: 17 Aug 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

Tot Ion: 43 Resp: 162864

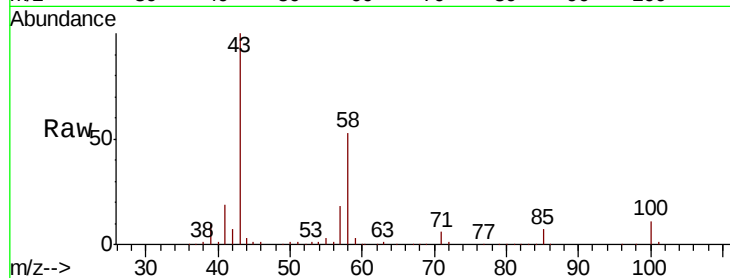
Ion Ratio Lower Upper

43 100

58 51.2 41.8 62.8

57 17.4 14.2 21.4

100 10.9 9.4 14.2

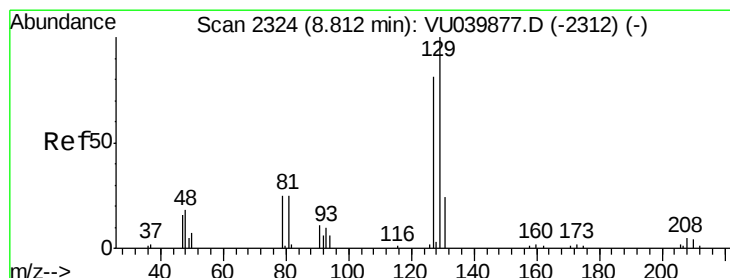
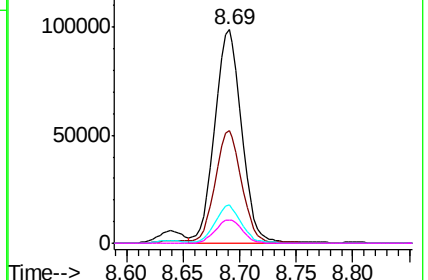
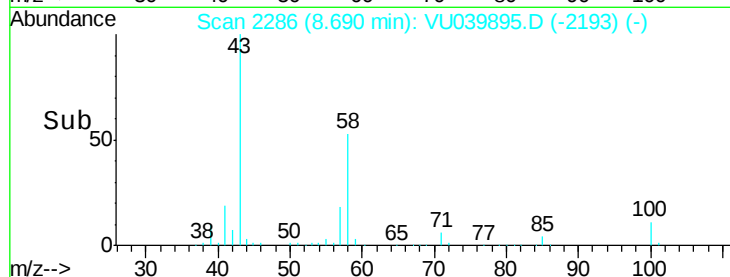


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 4.570 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU039895.D

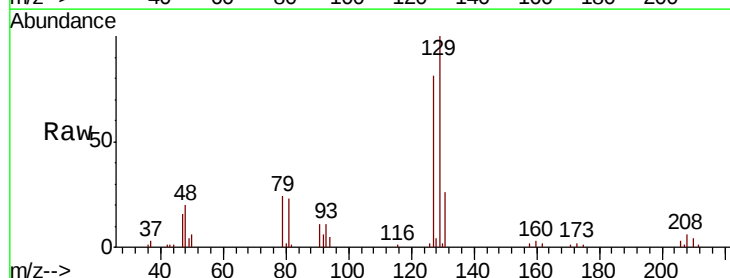
Acq: 17 Aug 2020 18:39

Tgt Ion: 129 Resp: 25064

Ion Ratio Lower Upper

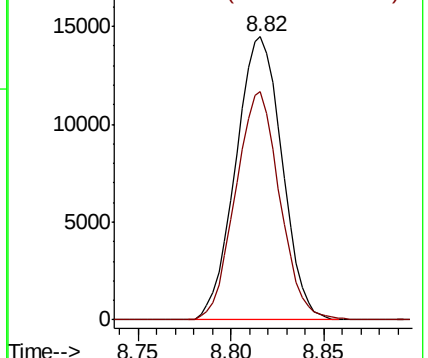
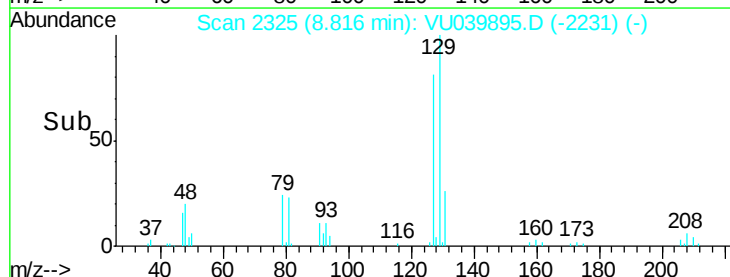
129 100

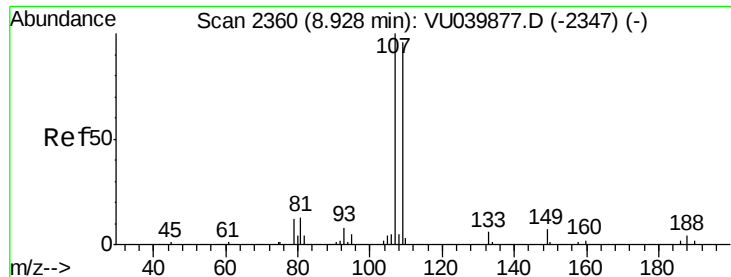
127 80.7 53.0 98.4



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

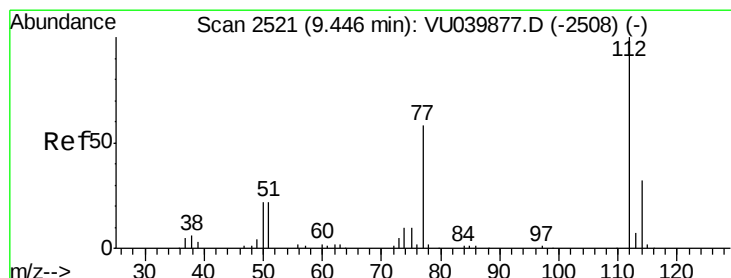
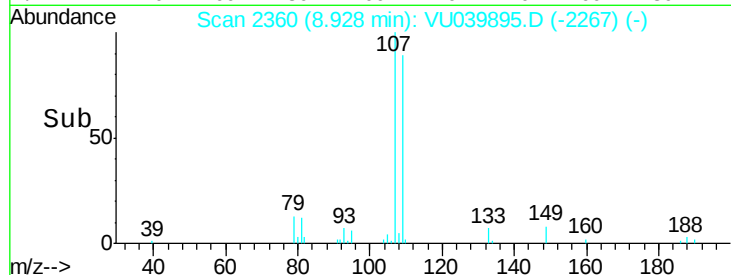
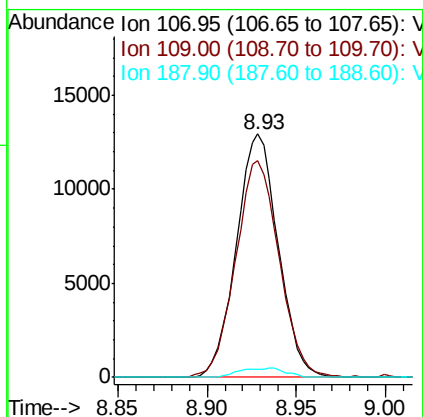
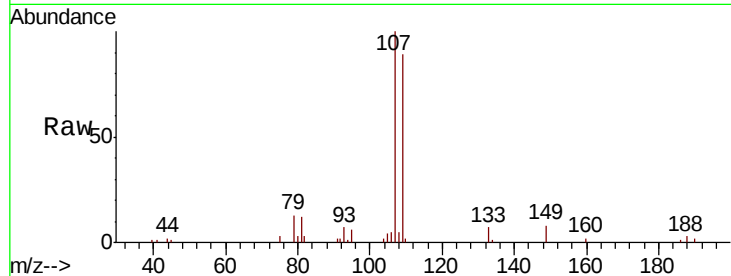




#50
 1,2-Dibromoethane
 Concen: 4.826 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

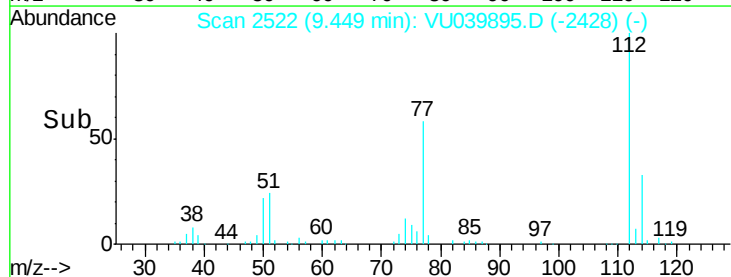
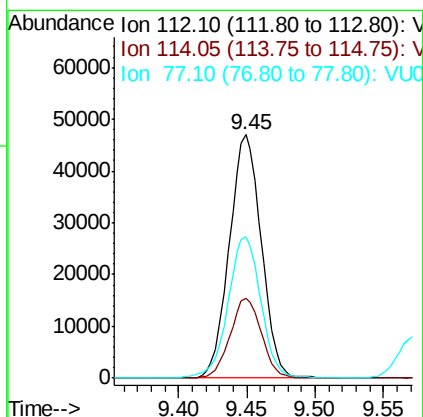
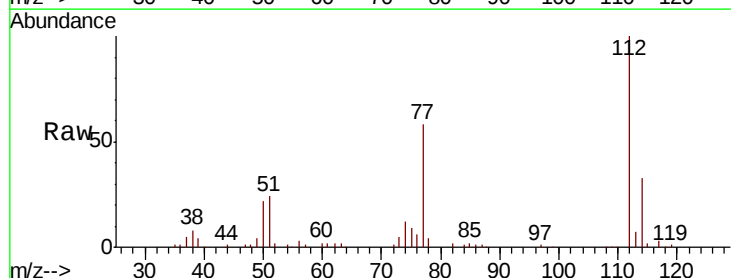
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

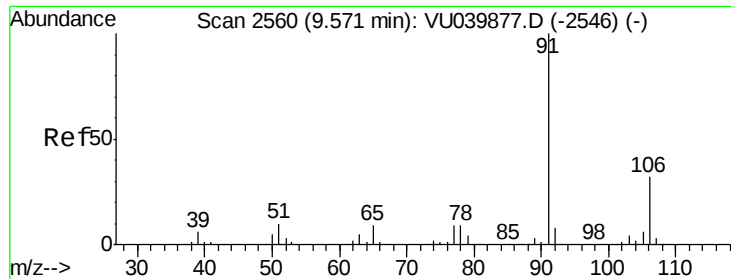
Tot Ion:107 Resp: 21151
 Ion Ratio Lower Upper
 107 100
 109 89.0 63.9 118.7
 188 3.3 2.9 4.3



#51
 Chlorobenzene
 Concen: 4.846 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

Tgt Ion:112 Resp: 76552
 Ion Ratio Lower Upper
 112 100
 114 32.9 23.2 43.0
 77 58.3 47.8 71.6





#52

Ethylbenzene

Concen: 4.774 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039895.D

Acq: 17 Aug 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

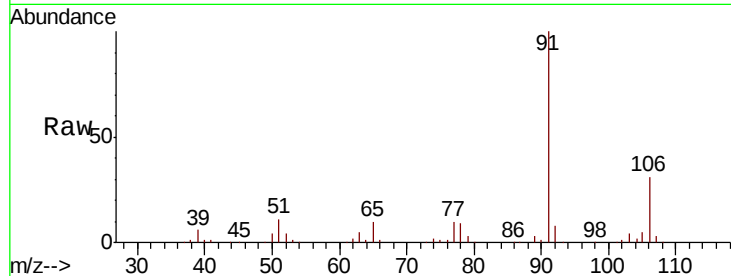
VSTD00524

Tot Ion: 91 Resp: 125616

Ion Ratio Lower Upper

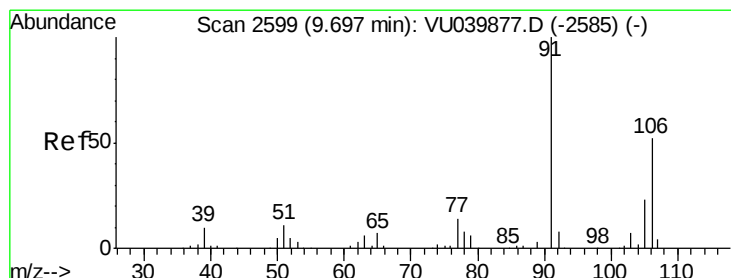
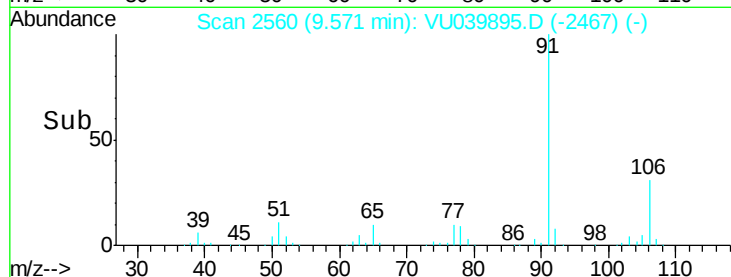
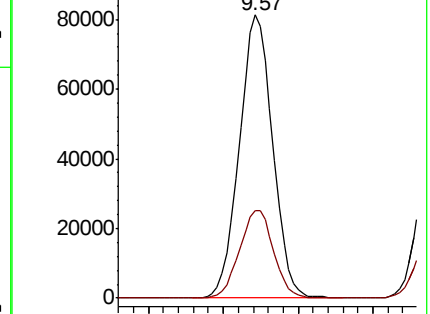
91 100

106 31.1 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039877.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU039877.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.996 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039895.D

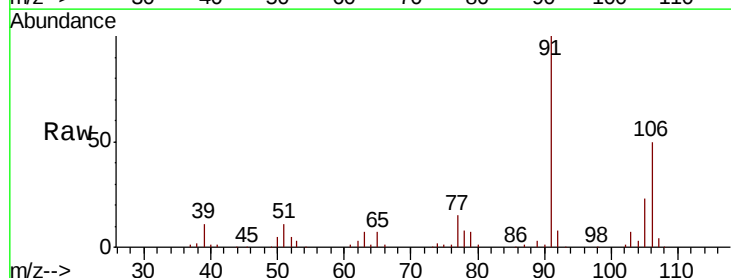
Acq: 17 Aug 2020 18:39

Tgt Ion: 106 Resp: 50052

Ion Ratio Lower Upper

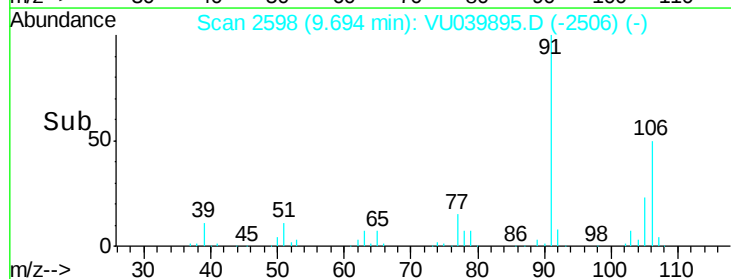
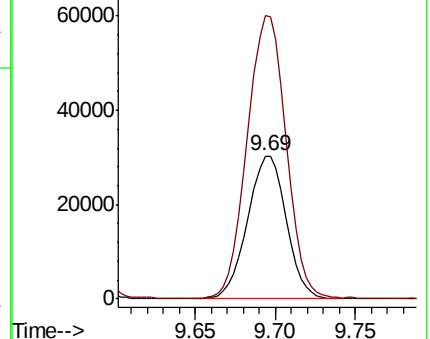
106 100

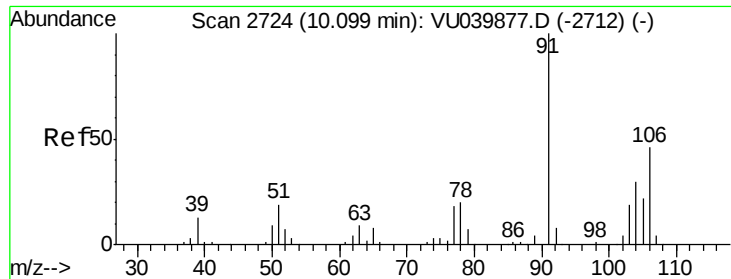
91 198.5 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039877.D (-2585) (-)

Ion 91.15 (90.85 to 91.85): VU039877.D (-2585) (-)

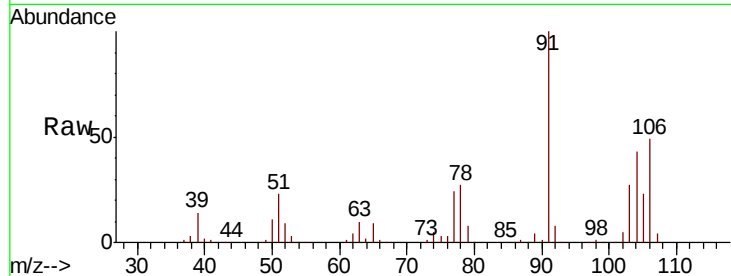




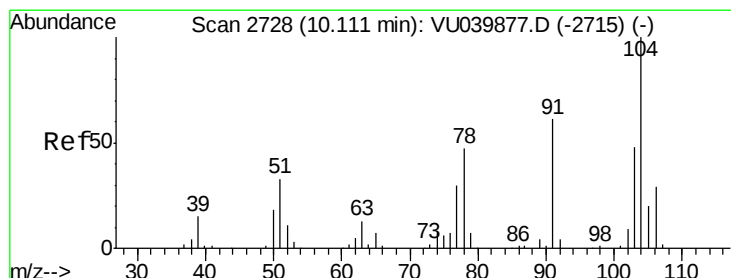
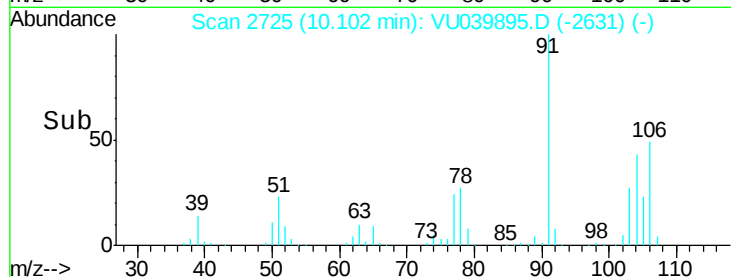
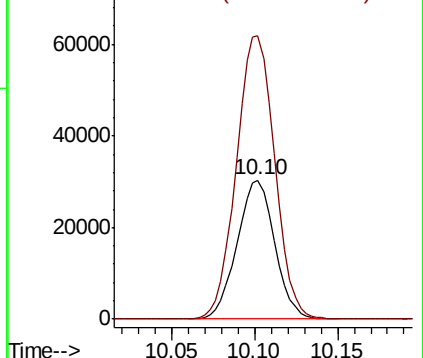
#54
o-Xylene
Concen: 4.863 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion:106 Resp: 47712
Ion Ratio Lower Upper
106 100
91 203.1 140.8 261.6

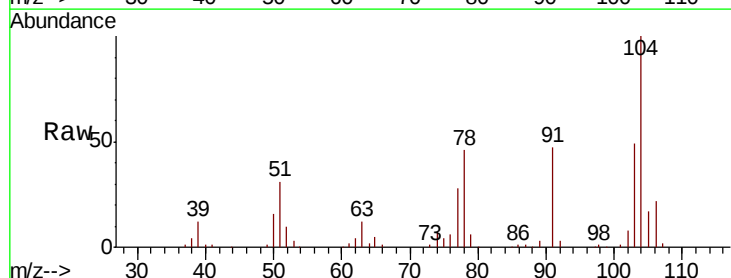


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

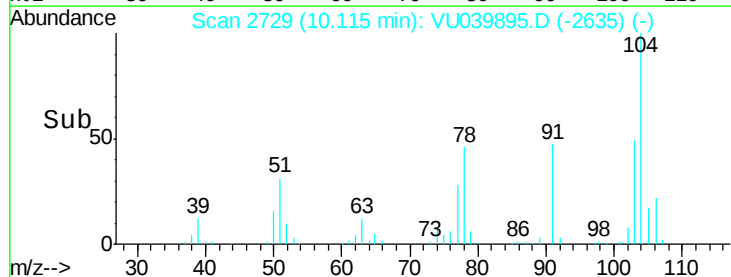
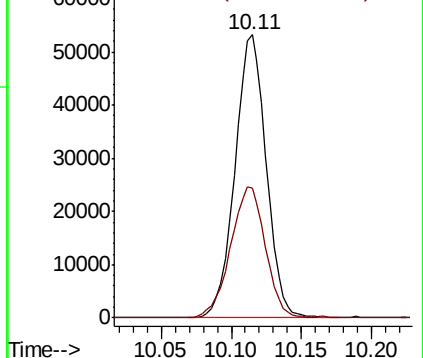


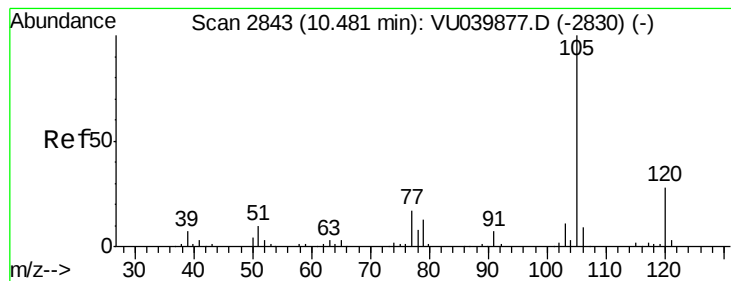
#55
Styrene
Concen: 4.992 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39

Tgt Ion:104 Resp: 82478
Ion Ratio Lower Upper
104 100
78 46.0 32.3 60.1



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





#56

Isopropylbenzene

Concen: 4.716 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039895.D

Acq: 17 Aug 2020 18:39

Instrument :

MSVOA_U

ClientSampleID :

VSTD00524

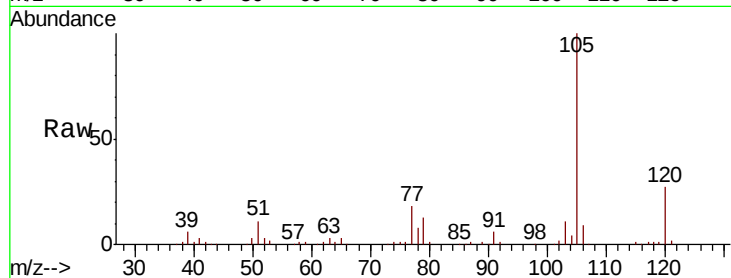
Tot Ion:105 Resp: 123644

Ion Ratio Lower Upper

105 100

120 27.2 21.0 31.6

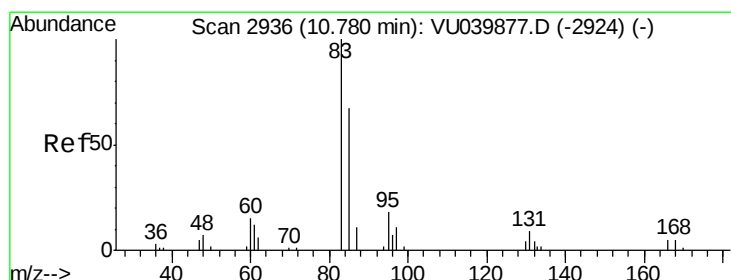
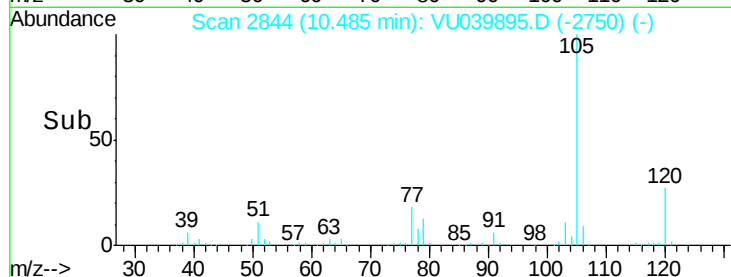
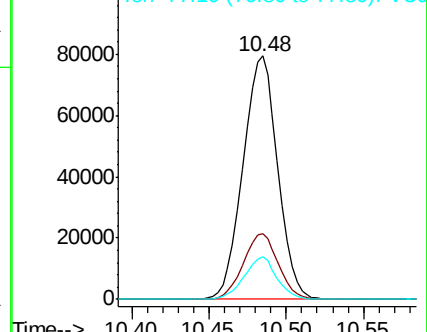
77 16.4 12.9 19.3



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: 4.561 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU039895.D

Acq: 17 Aug 2020 18:39

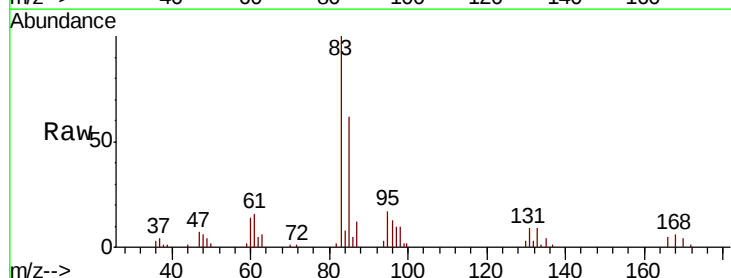
Tgt Ion: 83 Resp: 28042

Ion Ratio Lower Upper

83 100

85 62.3 44.4 82.4

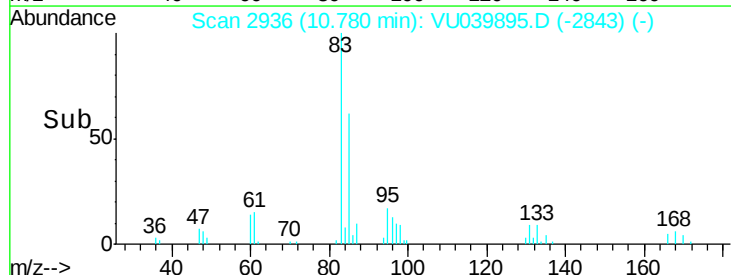
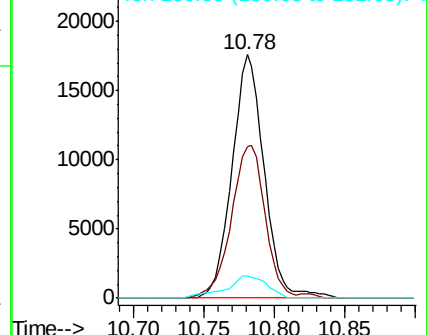
131 9.1 7.4 11.0

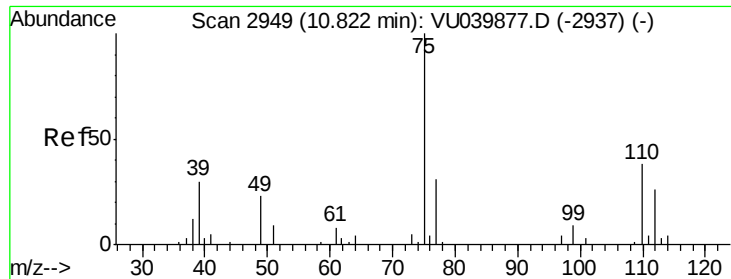


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.812 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039895.D

Acq: 17 Aug 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

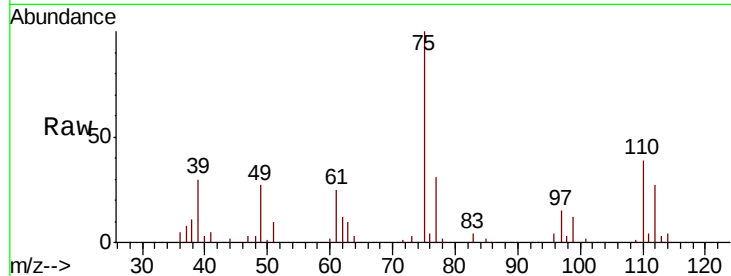
VSTD00524

Tot Ion: 75 Resp: 20621

Ion Ratio Lower Upper

75 100

77 30.3 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU039877.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039877.D (-2937) (-)

10.82

15000

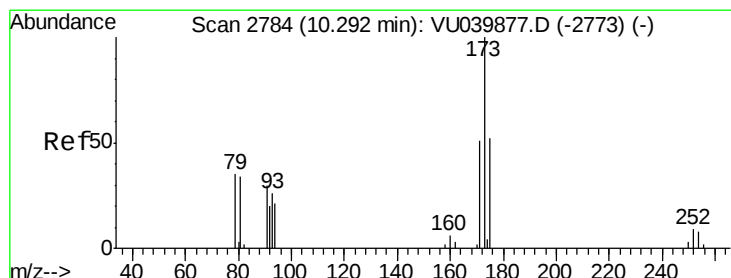
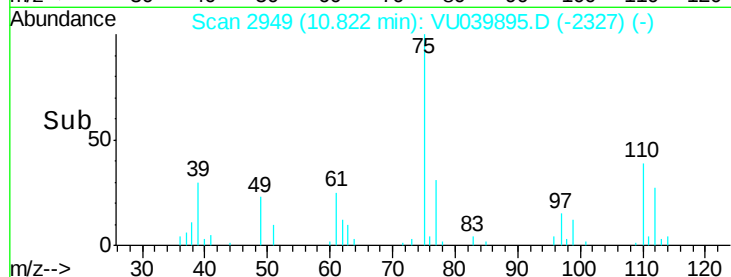
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 4.492 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039895.D

Acq: 17 Aug 2020 18:39

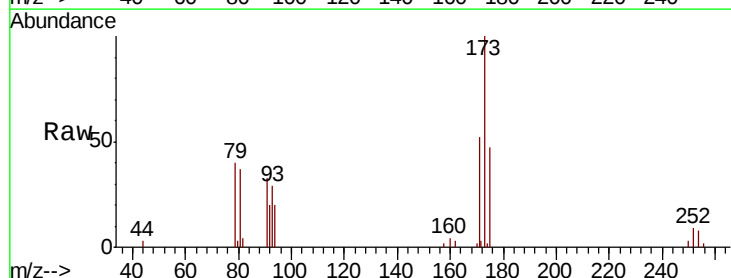
Tgt Ion: 173 Resp: 12841

Ion Ratio Lower Upper

173 100

175 48.4 33.8 50.8

254 7.6 5.5 8.3



Abundance Ion 172.90 (172.60 to 173.60): VU039877.D (-2773) (-)

Ion 174.90 (174.60 to 175.60): VU039877.D (-2773) (-)

Ion 253.75 (253.45 to 254.45): VU039877.D (-2773) (-)

10.29

10000

8000

6000

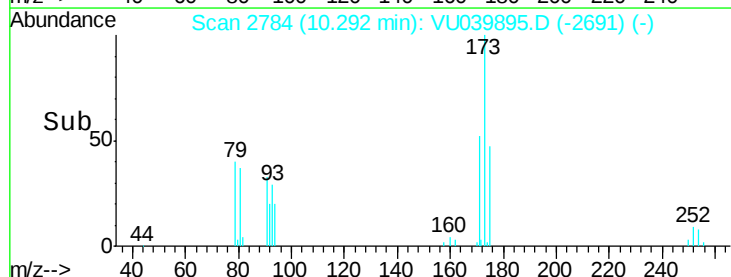
4000

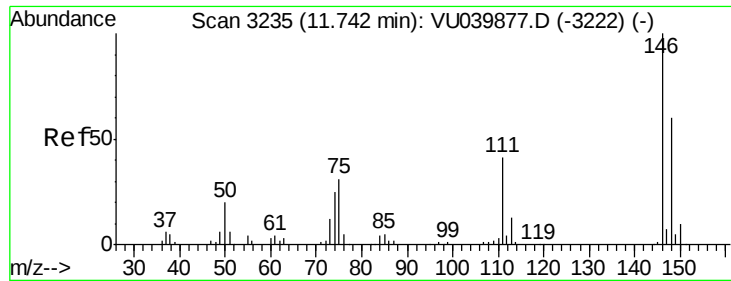
2000

0

Time-->

10.25 10.30 10.35

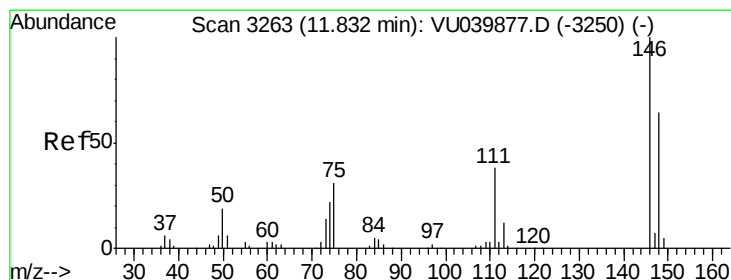
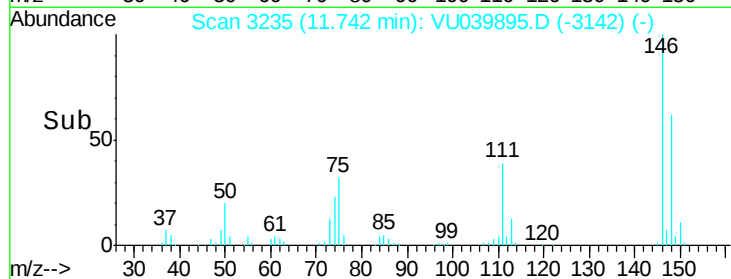
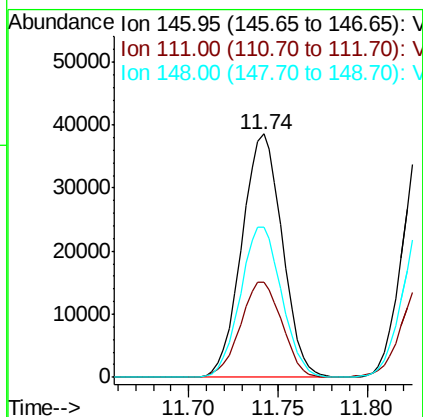
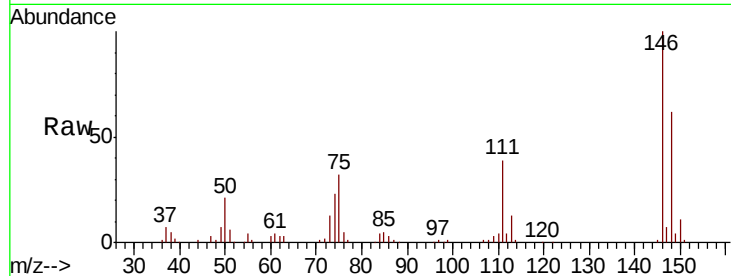




#62
 1,3-Dichlorobenzene
 Concen: 4.954 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

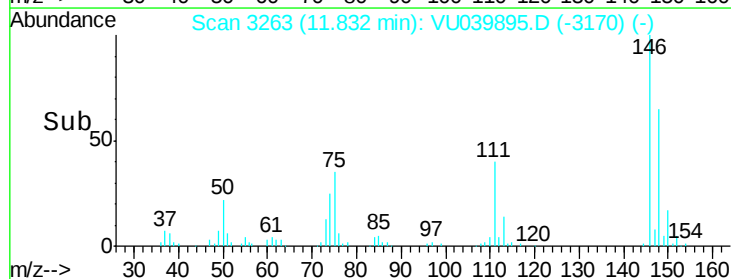
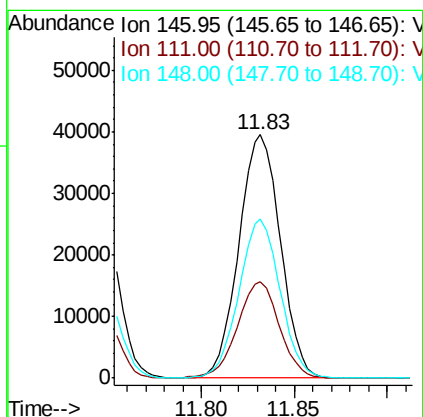
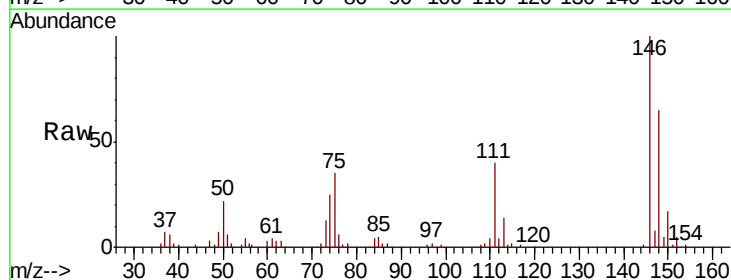
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

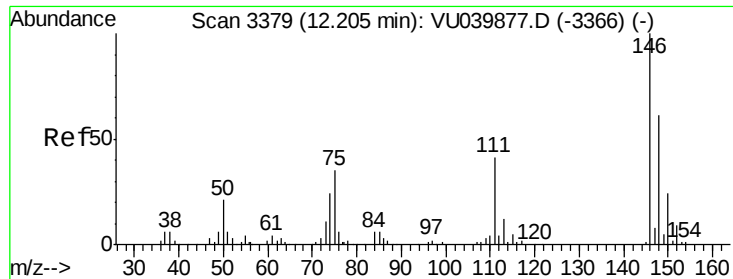
Tot Ion:146 Resp: 61348
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.7 51.5
 148 61.7 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 4.725 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

Tgt Ion:146 Resp: 61683
 Ion Ratio Lower Upper
 146 100
 111 39.8 26.5 49.3
 148 65.4 45.3 84.1





#65

1,2-Dichlorobenzene

Concen: 4.724 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039895.D

Acq: 17 Aug 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

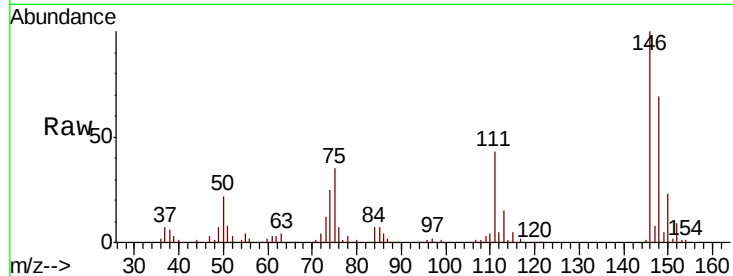
Tot Ion:146 Resp: 57643

Ion Ratio Lower Upper

146 100

111 43.3 33.1 49.7

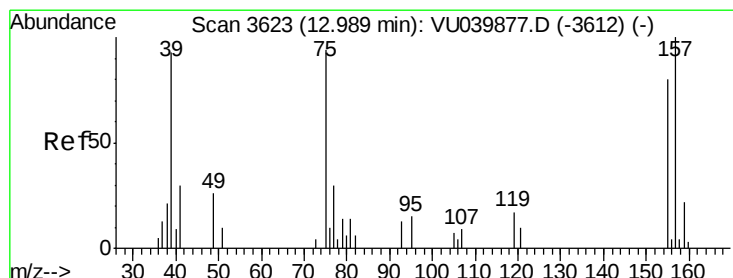
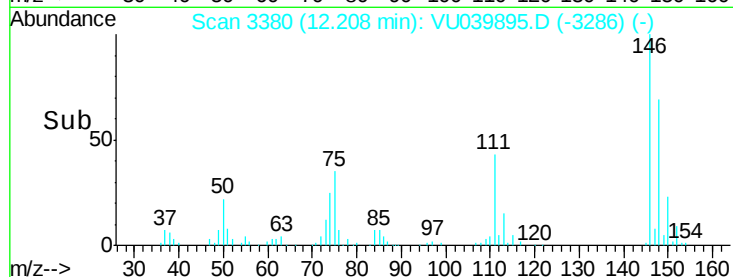
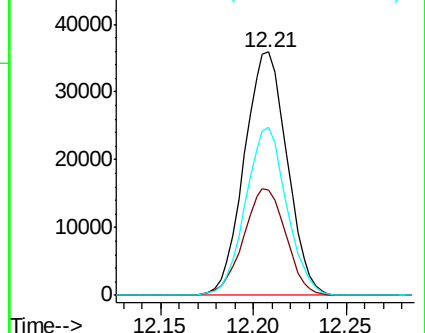
148 68.8 51.5 77.3



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: 4.785 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039895.D

Acq: 17 Aug 2020 18:39

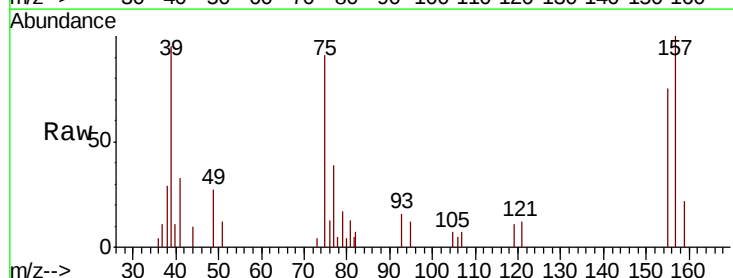
Tgt Ion: 75 Resp: 4414

Ion Ratio Lower Upper

75 100

155 82.3 64.0 96.0

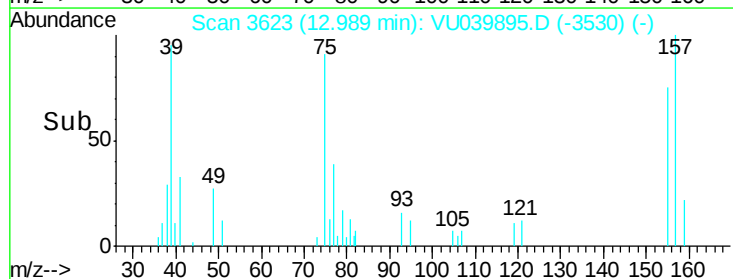
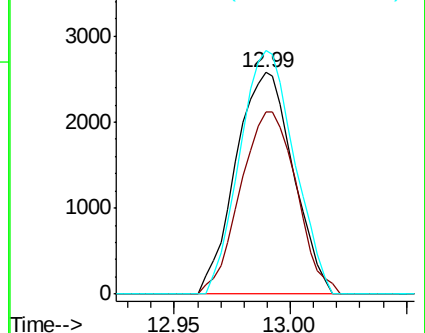
157 110.0 77.0 115.6

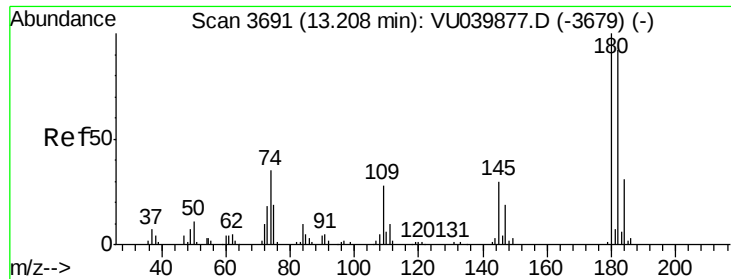


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

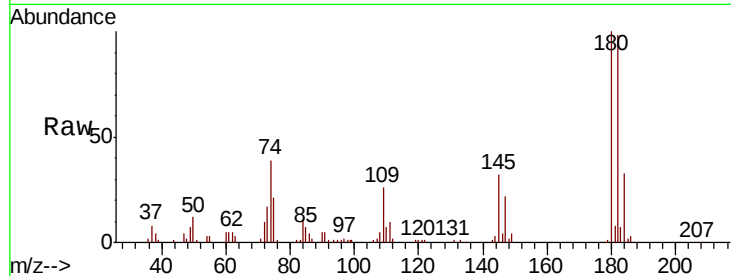




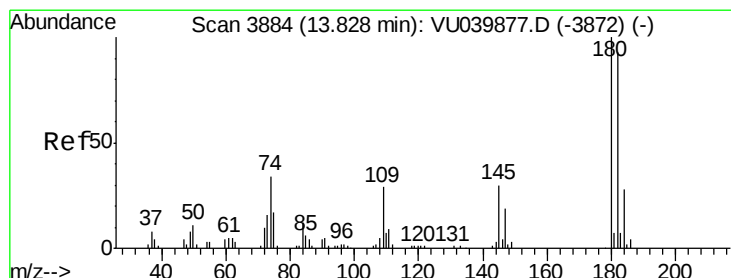
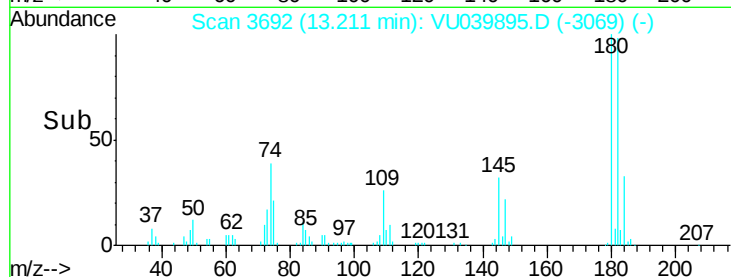
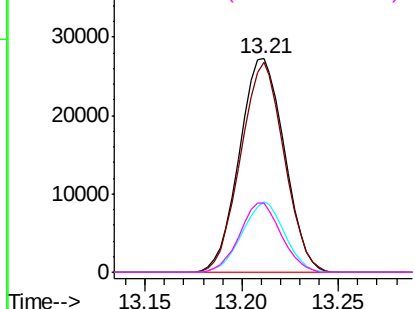
#67
 1,3,5-Trichlorobenzene
 Concen: 4.706 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion:180	Resp:	44171
Ion	Ratio	Lower Upper
180	100	
182	95.0	74.9 112.3
184	30.7	25.3 37.9
145	30.2	25.0 37.6

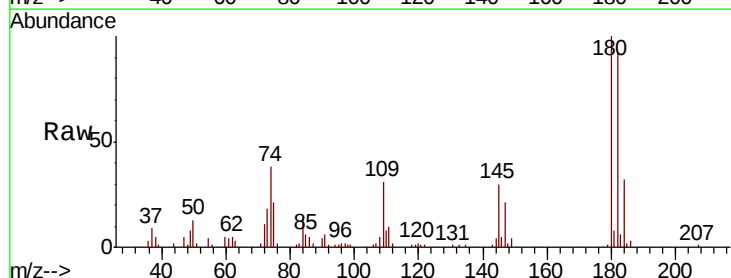


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

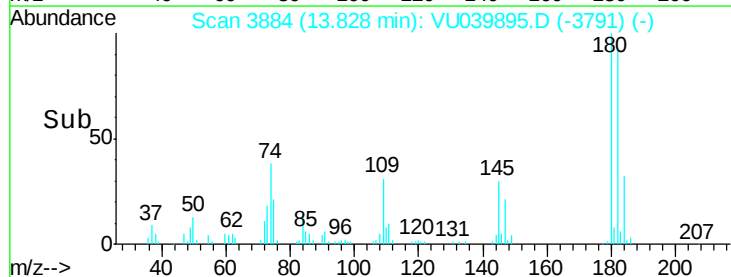
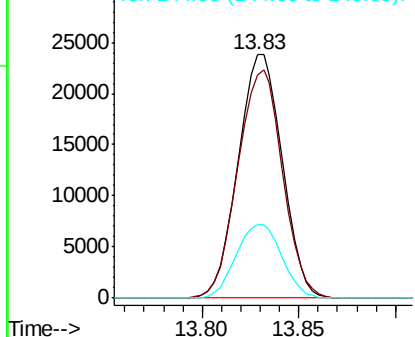


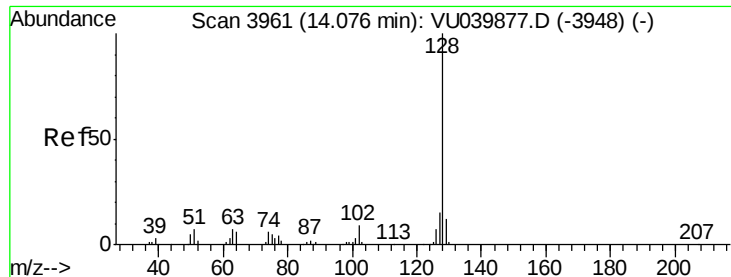
#68
 1,2,4-trichlorobenzene
 Concen: 4.808 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU039895.D
 Acq: 17 Aug 2020 18:39

Tgt Ion:180	Resp:	37819
Ion	Ratio	Lower Upper
180	100	
182	94.9	75.7 113.5
145	31.1	25.1 37.7



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

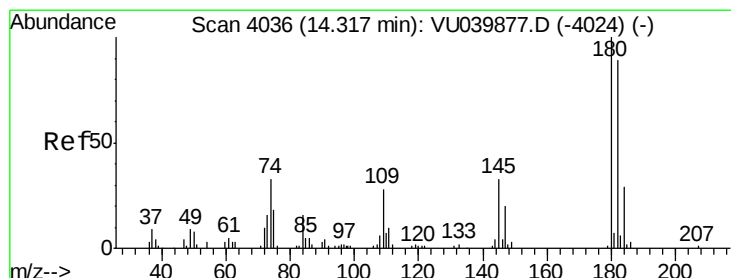
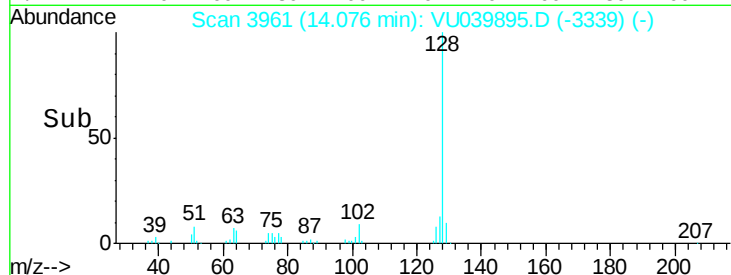
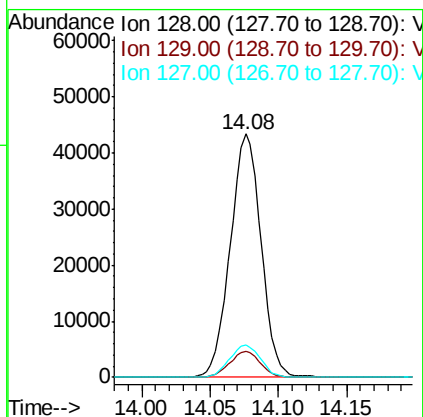
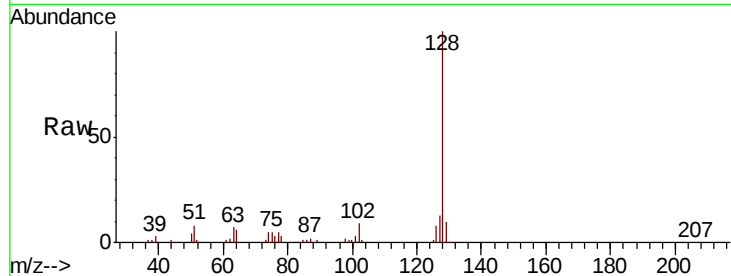




#69
Naphthalene
Concen: 4.838 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion:128 Resp: 68034
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 13.3 10.1 15.1



#70
1,2,3-Trichlorobenzene
Concen: 4.986 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU039895.D
Acq: 17 Aug 2020 18:39

Tgt Ion:180 Resp: 35187
Ion Ratio Lower Upper
180 100
182 93.2 76.1 114.1
145 33.1 27.4 41.0

