

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091020\
 Data File : VU040095.D
 Acq On : 10 Sep 2020 20:45
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Quant Time: Sep 11 01:59:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 11 01:49:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	112418	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113624	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57105	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31116	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.92	69	25322	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.58	63	76729	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	4.65	46	103624	42.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.42%
24) Chloroform-d	5.08	84	63590	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.72	65	37431	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
32) Benzene-d6	5.75	84	114635	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.70	67	35718	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.60%
41) Toluene-d8	7.91	98	103912	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.18	79	16263	4.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.00%
46) 2-Hexanone-d5	8.64	63	78817	41.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.84%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	34029	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	38176	4.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	53858	4.827	ug/L 98
3) Chloromethane	1.53	50	44043	4.123	ug/L 97
5) Vinyl chloride	1.61	62	50507	4.664	ug/L 96
6) Bromomethane	1.86	94	7066	1.277	ug/L 88
8) Chloroethane	1.94	64	39278	6.036	ug/L 92
9) Trichlorofluoromethane	2.15	101	78907	5.087	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	50004	4.973	ug/L 100
12) 1,1-Dichloroethene	2.59	96	44666	5.134	ug/L 92
13) Acetone	2.66	43	110905	48.799	ug/L 97
14) Carbon disulfide	2.81	76	133529	4.787	ug/L 98
15) Methyl Acetate	2.97	43	27341	4.793	ug/L 95
16) Methylene chloride	3.06	84	58608	5.144	ug/L 90
17) Methyl tert-butyl Ether	3.38	73	123863	4.724	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	46058	4.922	ug/L 97
19) 1,1-Dichloroethane	3.89	63	97420	5.057	ug/L 98
21) 2-Butanone	4.73	43	180973	48.775	ug/L 99
22) cis-1,2-Dichloroethene	4.69	96	51319	5.100	ug/L 98

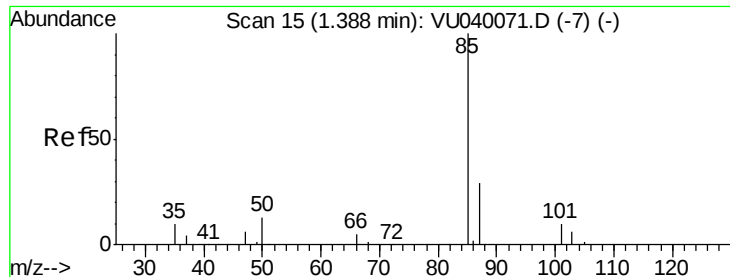
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091020\
 Data File : VU040095.D
 Acq On : 10 Sep 2020 20:45
 Operator : SY/MD
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Quant Time: Sep 11 01:59:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 11 01:49:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	23354	5.297	ug/L	99
25) Chloroform	5.11	83	99884	5.063	ug/L	100
27) 1,2-Dichloroethane	5.81	62	71452	4.944	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	85859	4.813	ug/L	99
30) Cyclohexane	5.41	56	77623	4.487	ug/L	99
31) Carbon tetrachloride	5.54	117	73896	4.840	ug/L	97
33) Benzene	5.79	78	201660	4.961	ug/L	100
34) Trichloroethene	6.56	95	52849	4.847	ug/L	95
35) Methylcyclohexane	6.77	83	72346	4.333	ug/L	98
37) 1,2-Dichloropropane	6.80	63	55554	5.047	ug/L	100
38) Bromodichloromethane	7.11	83	72936	4.854	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	74360	4.581	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	434131	48.073	ug/L	99
42) Toluene	7.98	91	211797	5.060	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	68957	4.585	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	40228	5.017	ug/L	97
47) Tetrachloroethene	8.56	164	34987	4.885	ug/L	97
48) 2-Hexanone	8.69	43	313355	47.569	ug/L	98
49) Dibromochloromethane	8.82	129	47505	4.936	ug/L	98
50) 1,2-Dibromoethane	8.93	107	38565	4.989	ug/L	92
51) Chlorobenzene	9.45	112	134229	5.165	ug/L	95
52) Ethylbenzene	9.57	91	231570	4.869	ug/L	98
53) m,p-Xylene	9.69	106	86718	5.121	ug/L	98
54) o-Xylene	10.10	106	83557	5.178	ug/L	96
55) Styrene	10.11	104	149504	5.328	ug/L	96
56) Isopropylbenzene	10.48	105	224643	5.104	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	53540	5.208	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	40627	4.982	ug/L	97
61) Bromoform	10.29	173	24282	4.636	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	105126	5.037	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	106384	5.037	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	103533	5.126	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9173	4.247	ug/L	100
67) 1,3,5-Trichlorobenzene	13.21	180	71379	4.864	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	61116	4.835	ug/L	99
69) Naphthalene	14.08	128	118608	4.501	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	58483	5.037	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.827 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

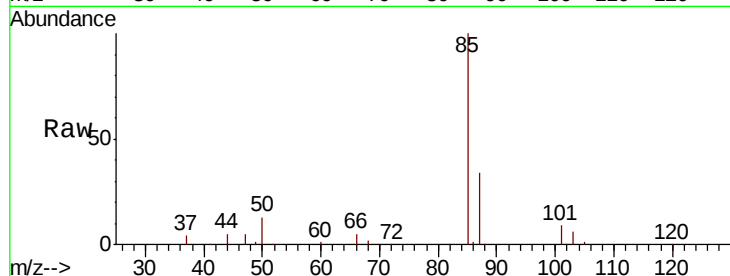
VSTD00527

Tot Ion: 85 Resp: 53858

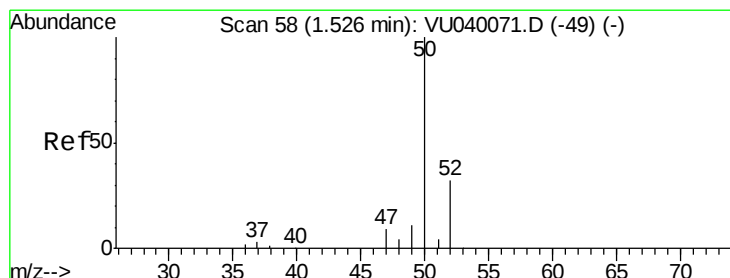
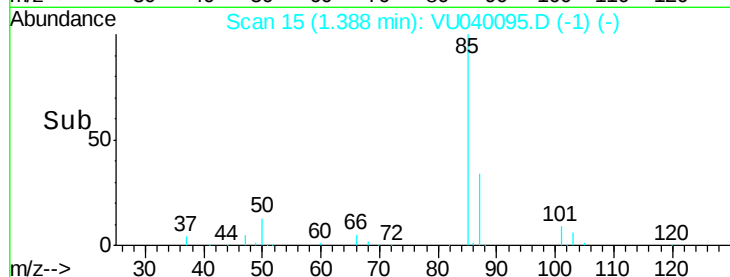
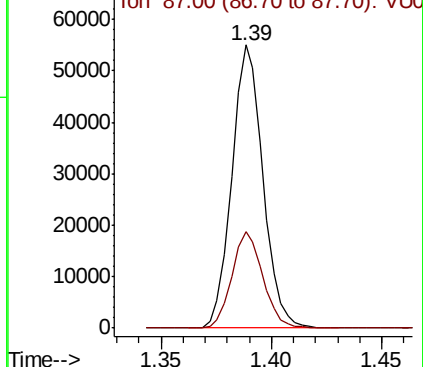
Ion Ratio Lower Upper

85 100

87 33.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040071.D (-7) (-)



#3

Chloromethane

Concen: 4.123 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040095.D

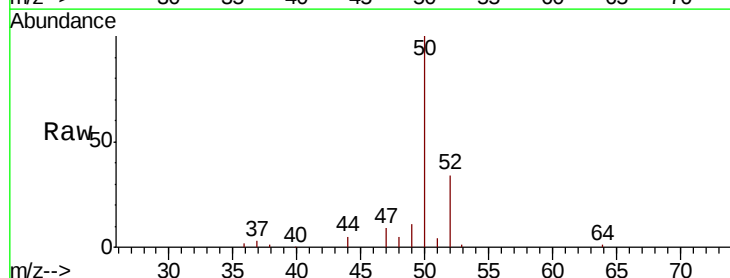
Acq: 10 Sep 2020 20:45

Tgt Ion: 50 Resp: 44043

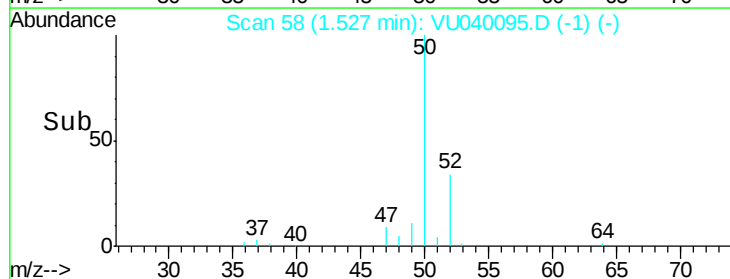
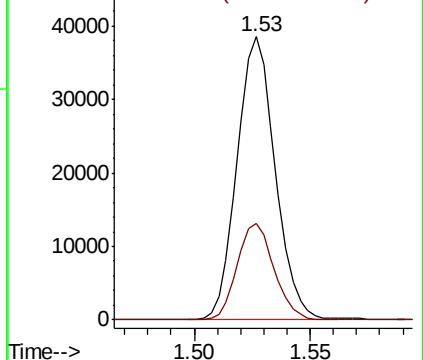
Ion Ratio Lower Upper

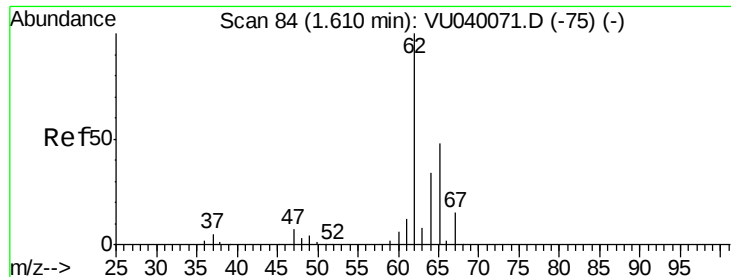
50 100

52 34.1 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040071.D (-49) (-)





#5

Vinyl chloride

Concen: 4.664 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

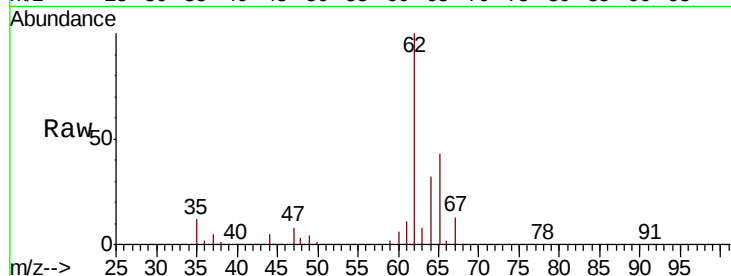
VSTD00527

Tot Ion: 62 Resp: 50507

Ion Ratio Lower Upper

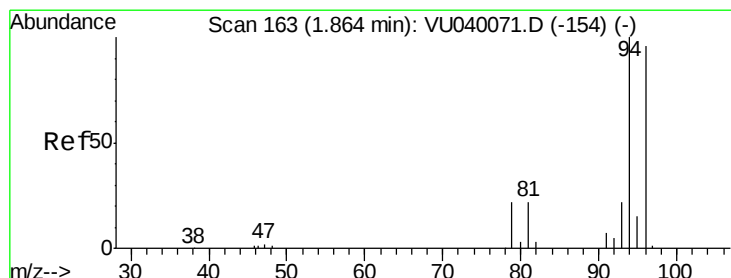
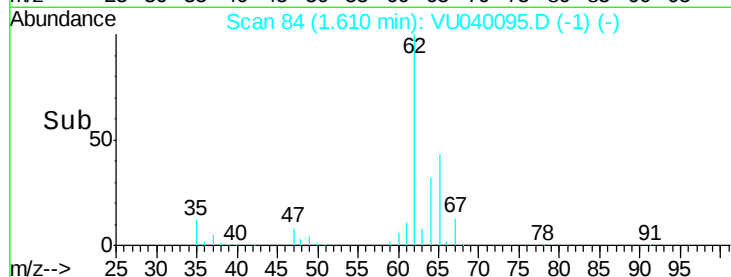
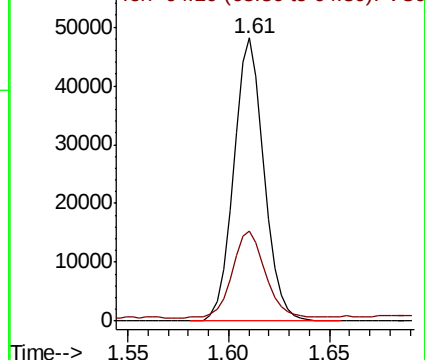
62 100

64 31.8 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 1.277 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040095.D

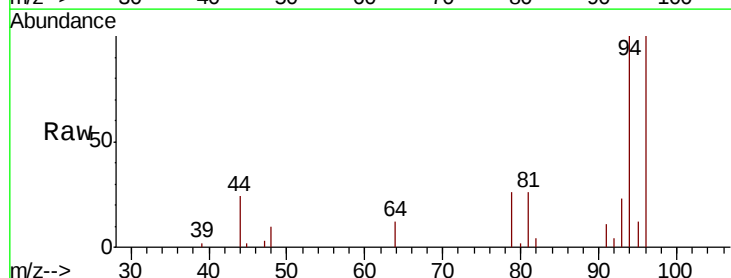
Acq: 10 Sep 2020 20:45

Tgt Ion: 94 Resp: 7066

Ion Ratio Lower Upper

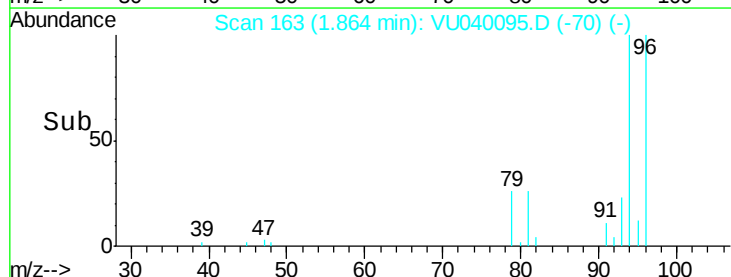
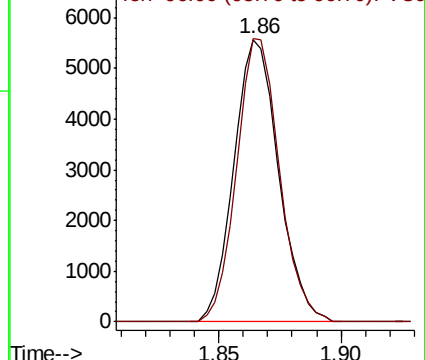
94 100

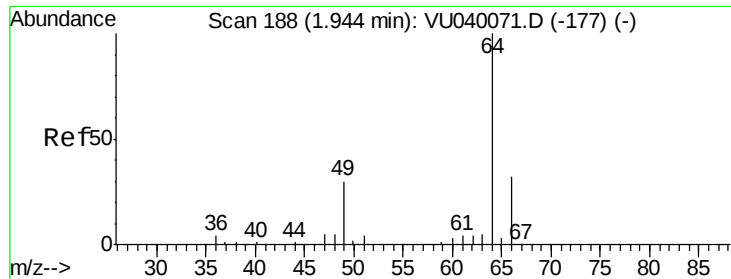
96 100.2 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

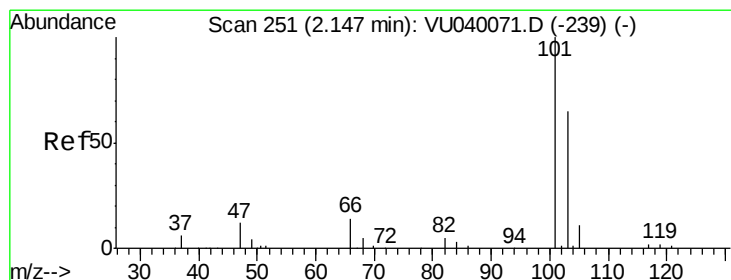
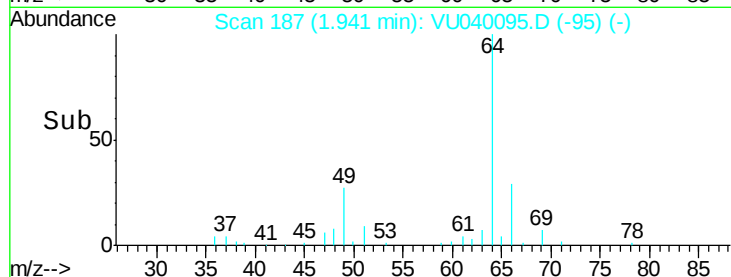
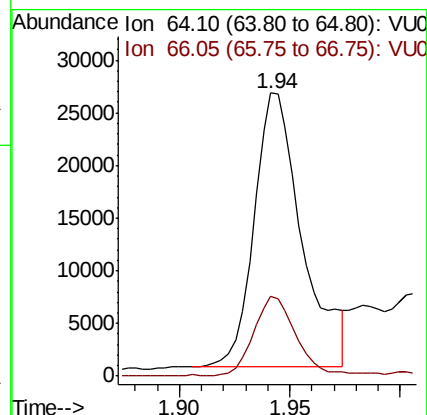
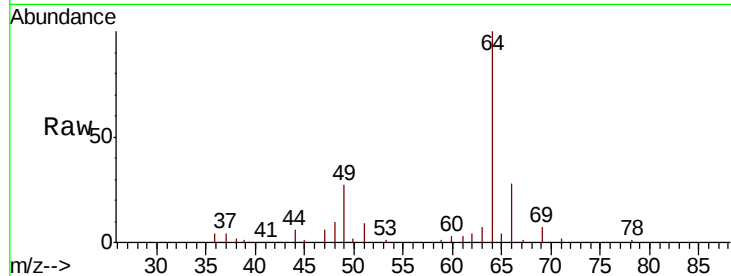




#8
 Chloroethane
 Concen: 6.036 ug/L
 RT: 1.94 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

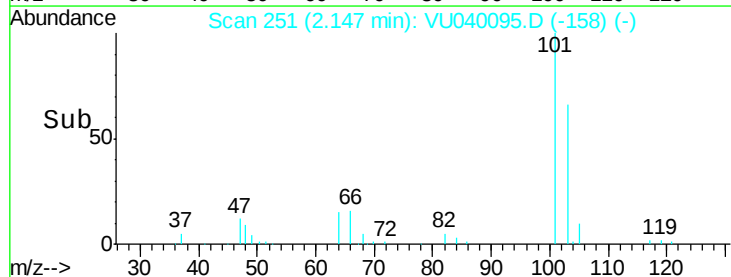
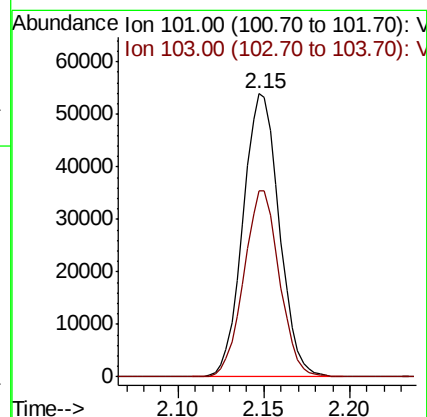
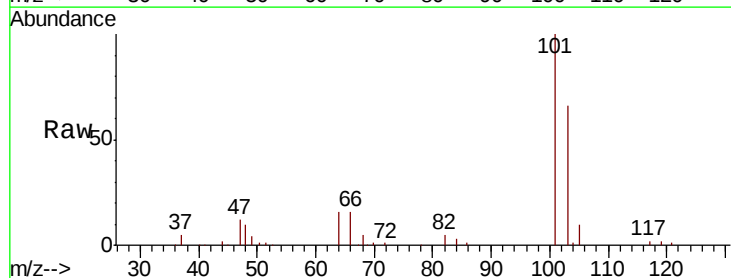
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

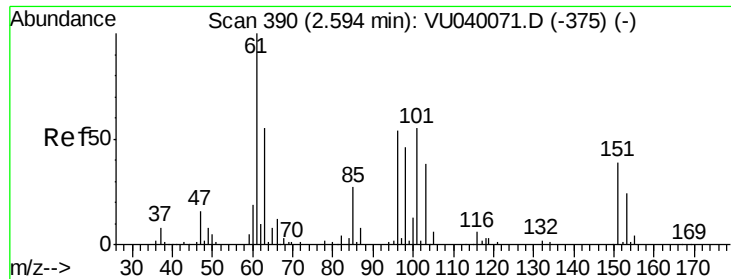
Tot Ion: 64 Resp: 39278
 Ion Ratio Lower Upper
 64 100
 66 28.0 22.7 42.1



#9
 Trichlorofluoromethane
 Concen: 5.087 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

Tgt Ion:101 Resp: 78907
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.3 76.9





#10

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

Concen: 4.973 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

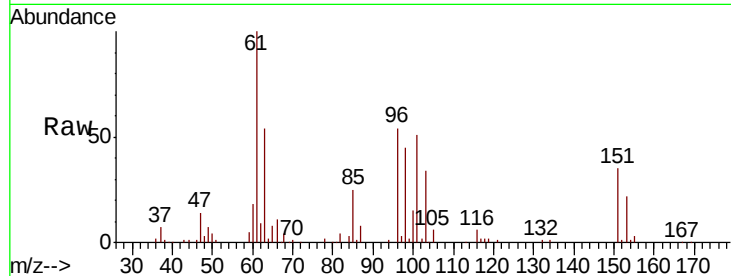
Tot Ion:101 Resp: 50004

Ion Ratio Lower Upper

101 100

85 47.3 37.7 56.5

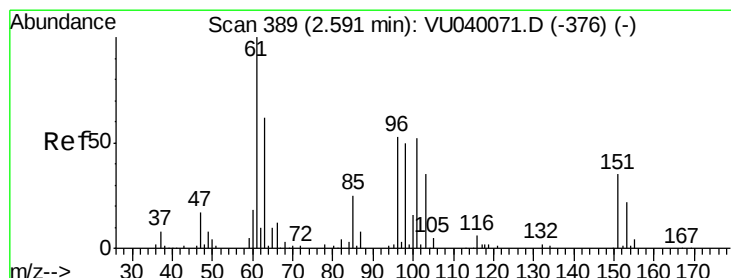
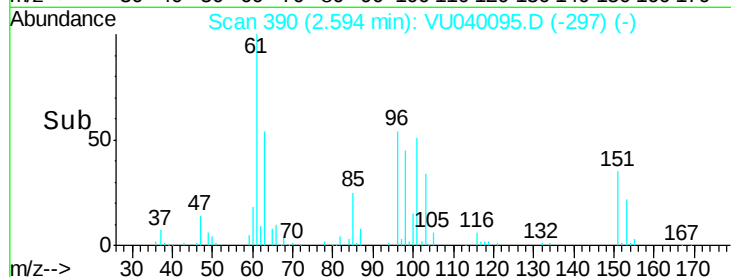
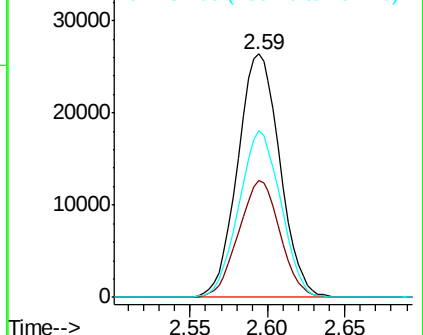
151 67.9 53.9 80.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.134 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

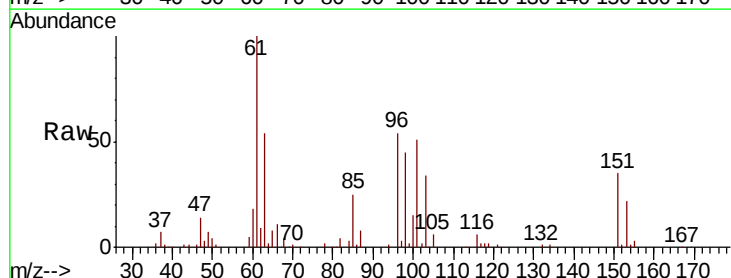
Tgt Ion: 96 Resp: 44666

Ion Ratio Lower Upper

96 100

61 186.3 138.3 256.8

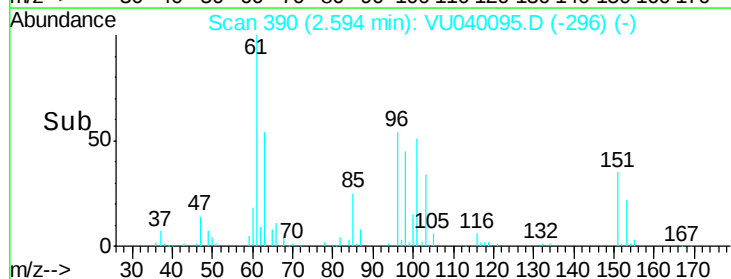
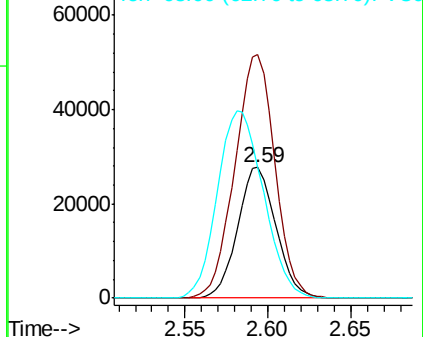
63 100.7 77.6 144.2

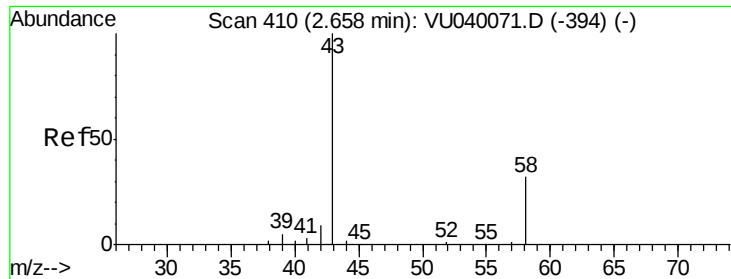


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.799 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

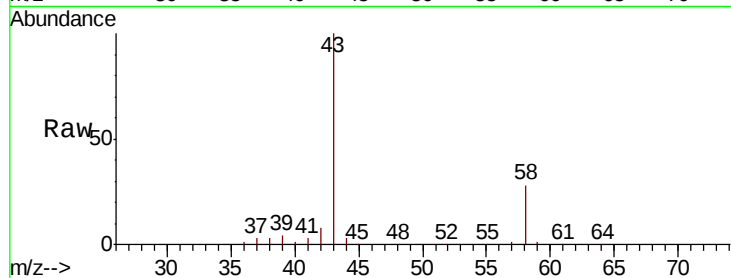
VSTD00527

Tot Ion: 43 Resp: 110905

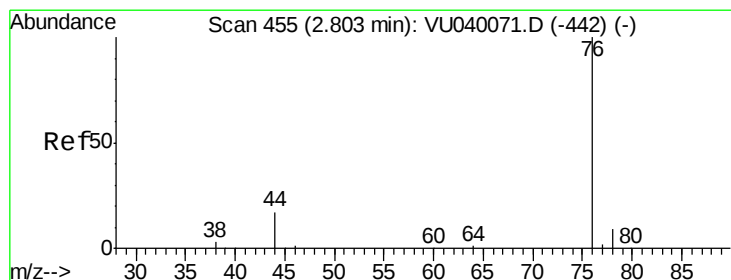
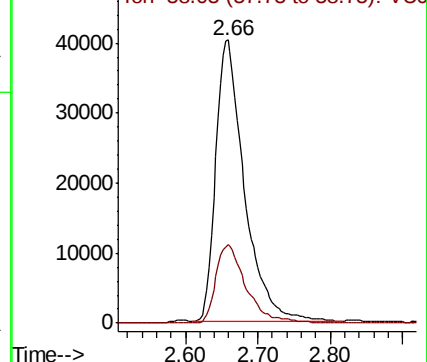
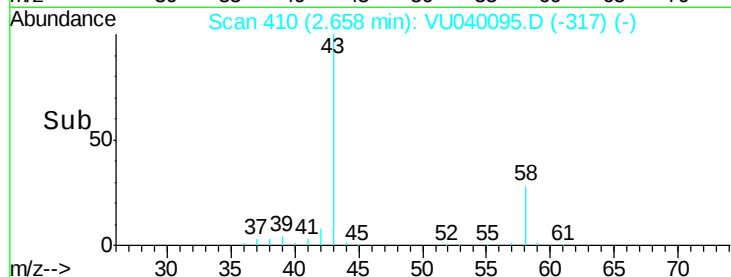
Ion Ratio Lower Upper

43 100

58 29.2 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040095.D (-317) (-)



#14

Carbon disulfide

Concen: 4.787 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040095.D

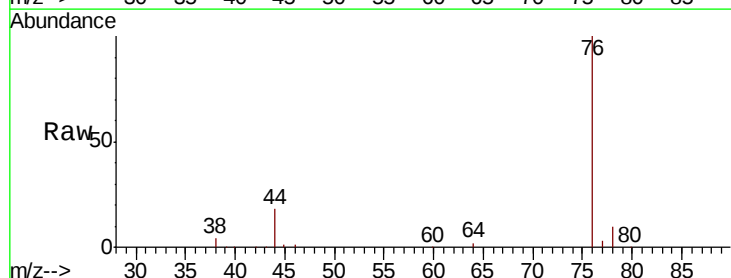
Acq: 10 Sep 2020 20:45

Tgt Ion: 76 Resp: 133529

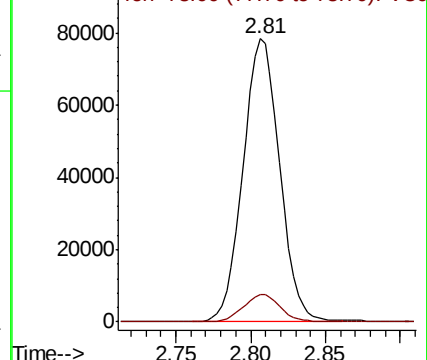
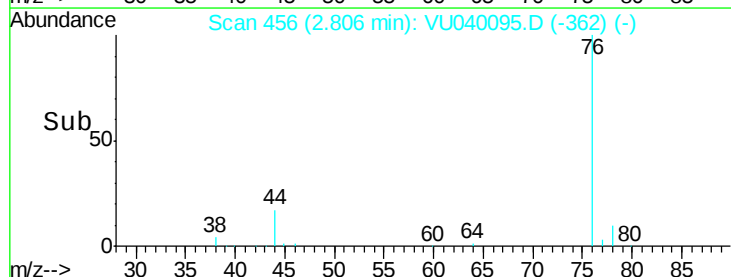
Ion Ratio Lower Upper

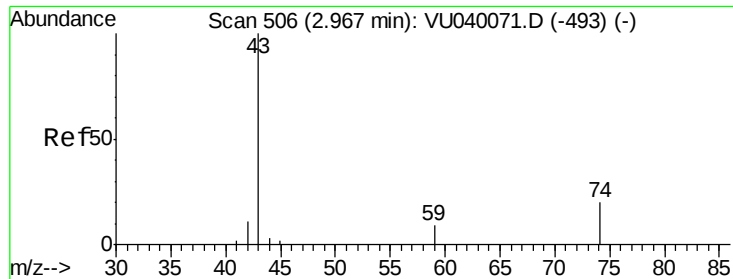
76 100

78 9.6 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040095.D (-362) (-)

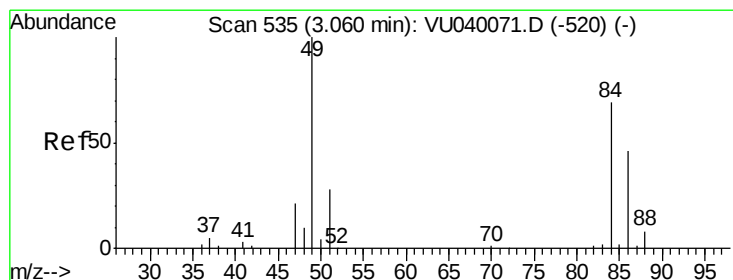
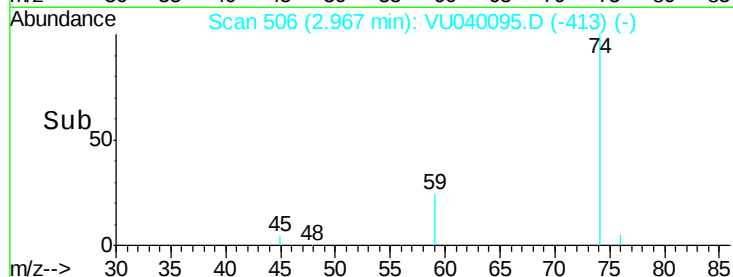
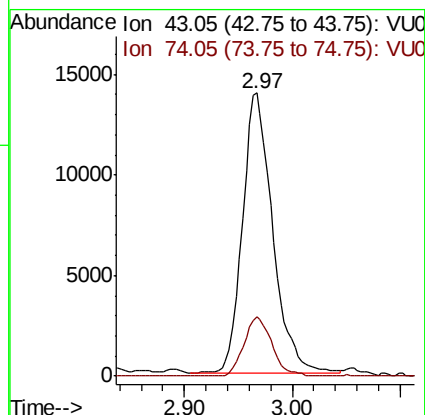
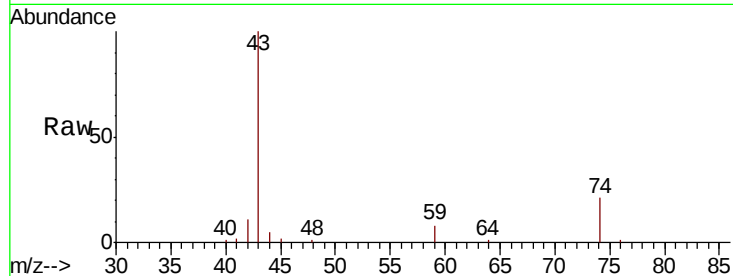




#15
Methvl Acetate
Concen: 4.793 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU040095.D
Acq: 10 Sep 2020 20:45

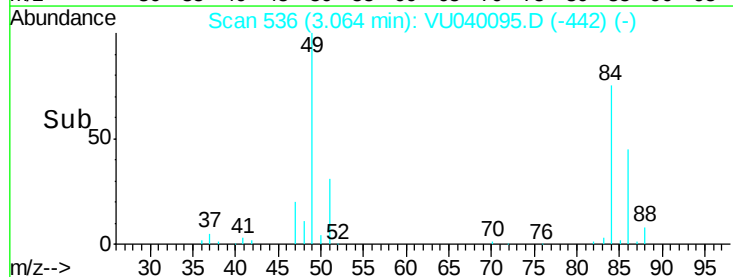
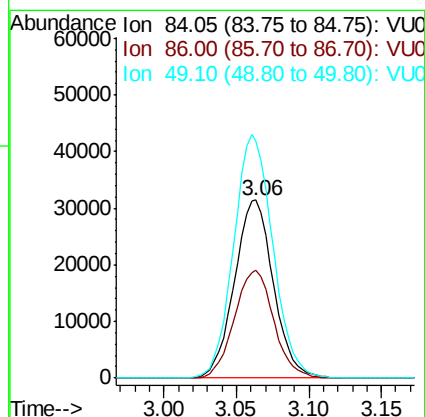
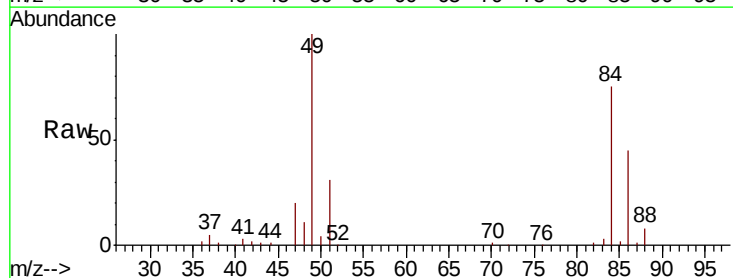
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

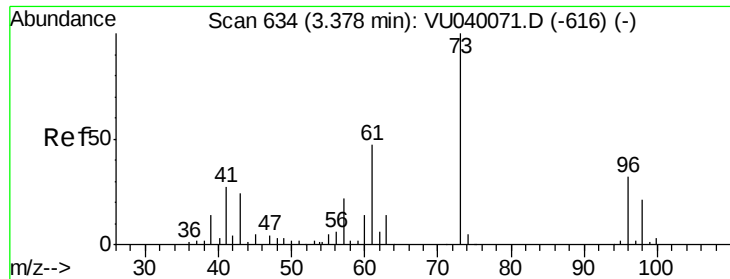
Tot Ion: 43 Resp: 27341
Ion Ratio Lower Upper
43 100
74 19.4 17.4 26.0



#16
Methylene chloride
Concen: 5.144 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040095.D
Acq: 10 Sep 2020 20:45

Tgt Ion: 84 Resp: 58608
Ion Ratio Lower Upper
84 100
86 60.4 45.2 84.0
49 133.6 104.0 193.2

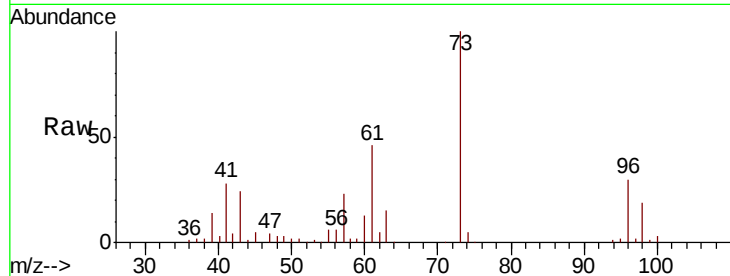




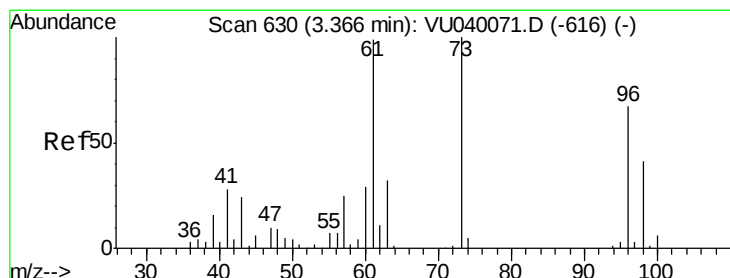
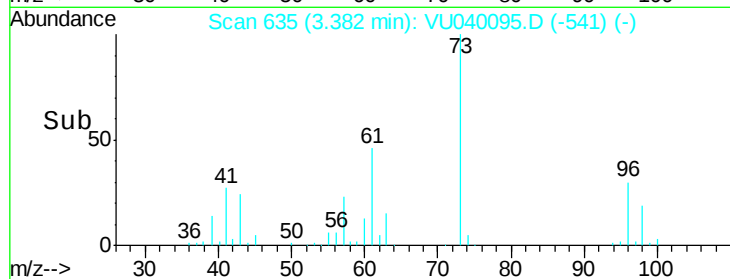
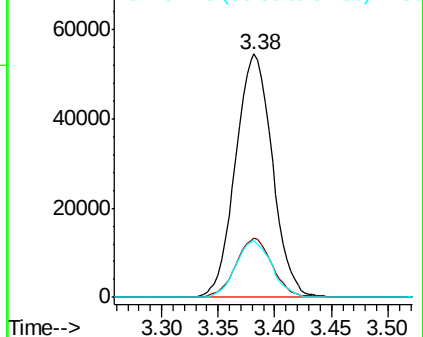
#17
Methvl tert-butvl Ether
Concen: 4.724 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040095.D
Acq: 10 Sep 2020 20:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion: 73 Resp: 123863
Ion Ratio Lower Upper
73 100
43 24.1 19.1 28.7
57 22.9 18.3 27.5

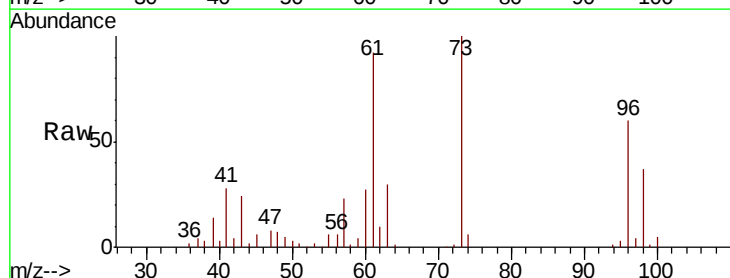


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

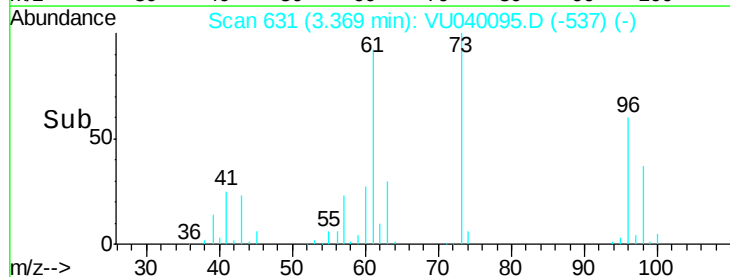
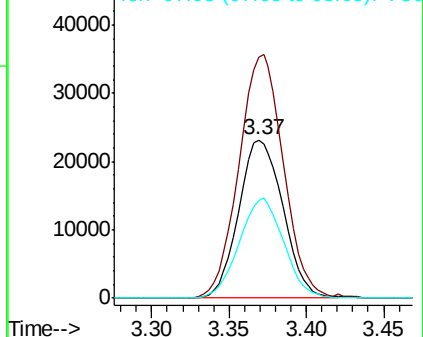


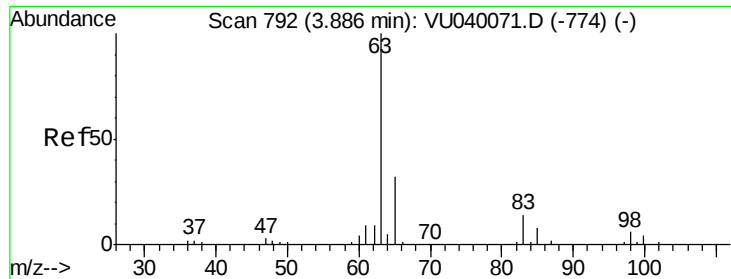
#18
trans-1,2-Dichloroethene
Concen: 4.922 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040095.D
Acq: 10 Sep 2020 20:45

Tgt Ion: 96 Resp: 46058
Ion Ratio Lower Upper
96 100
61 152.3 110.5 205.3
98 62.1 43.2 80.2



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

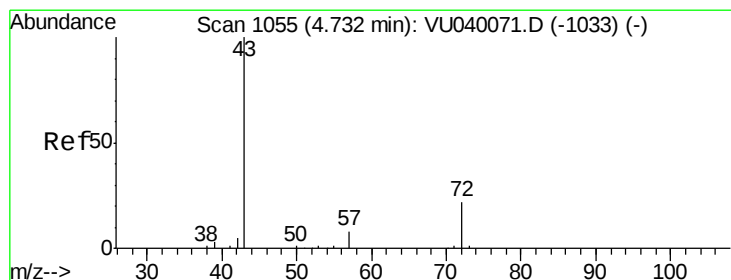
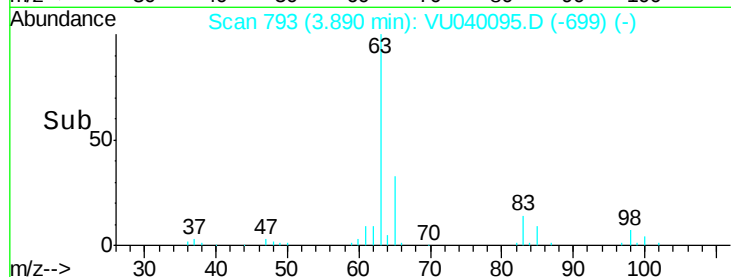
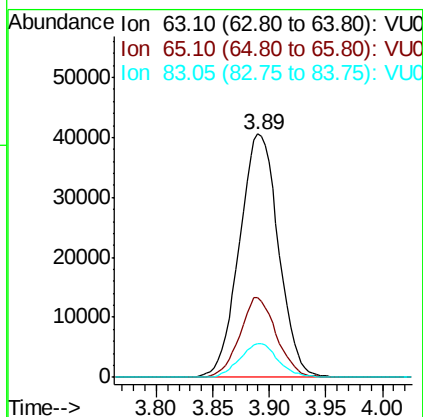
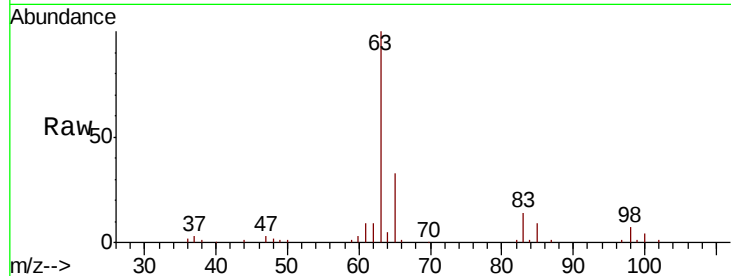




#19
 1,1-Dichloroethane
 Concen: 5.057 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

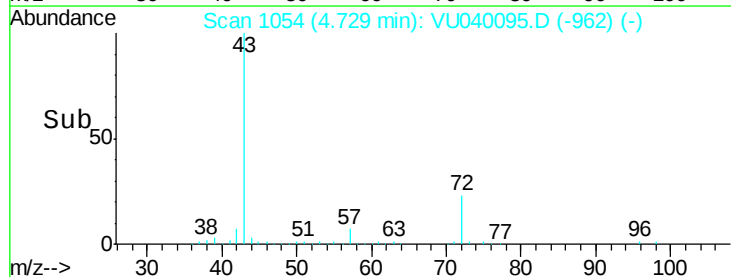
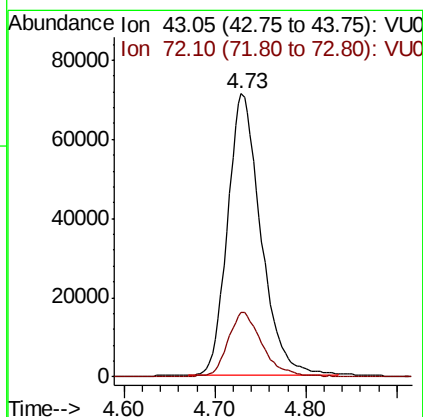
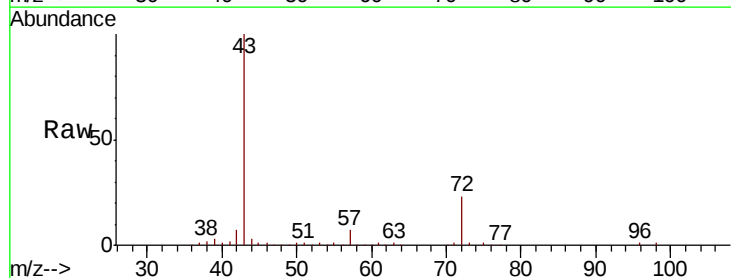
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00527

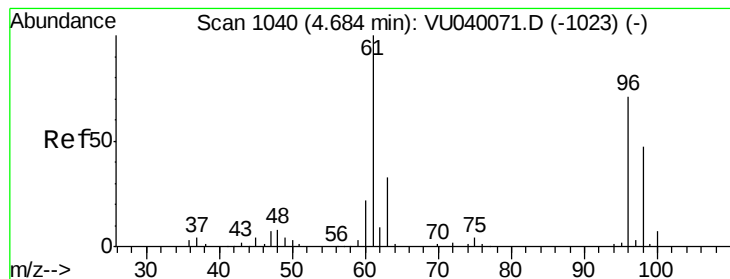
Tot Ion: 63 Resp: 97420
 Ion Ratio Lower Upper
 63 100
 65 32.9 22.2 41.2
 83 13.7 9.4 17.6



#21
 2-Butanone
 Concen: 48.775 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

Tgt Ion: 43 Resp: 180973
 Ion Ratio Lower Upper
 43 100
 72 23.8 11.7 35.0





#22

cis-1,2-Dichloroethene

Concen: 5.100 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

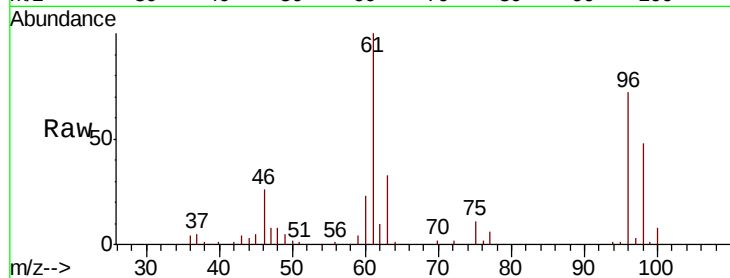
Tot Ion: 96 Resp: 51319

Ion Ratio Lower Upper

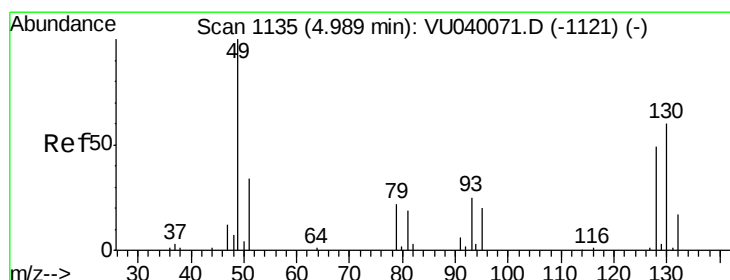
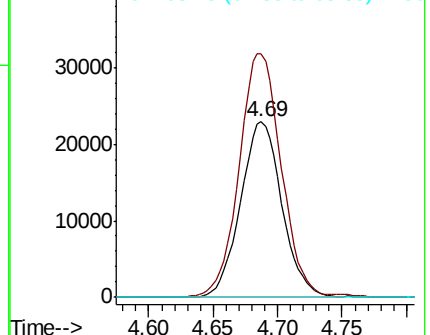
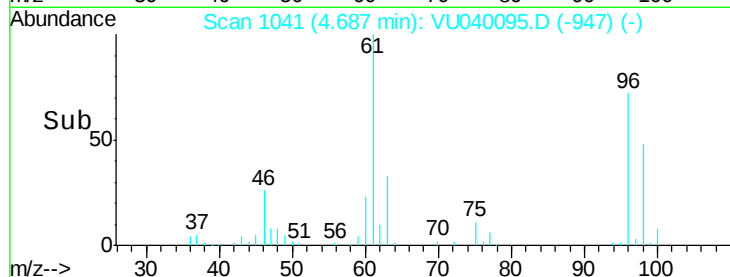
96 100

61 138.7 98.8 183.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040095.D (-1042) (-)



#23

Bromochloromethane

Concen: 5.297 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

Tgt Ion: 128 Resp: 23354

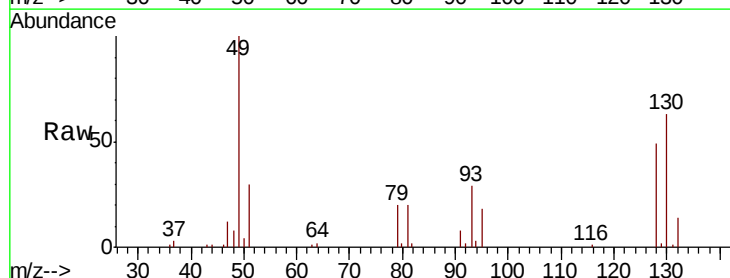
Ion Ratio Lower Upper

128 100

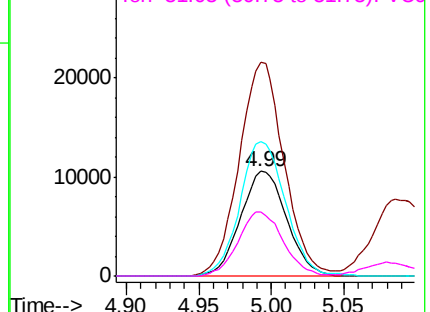
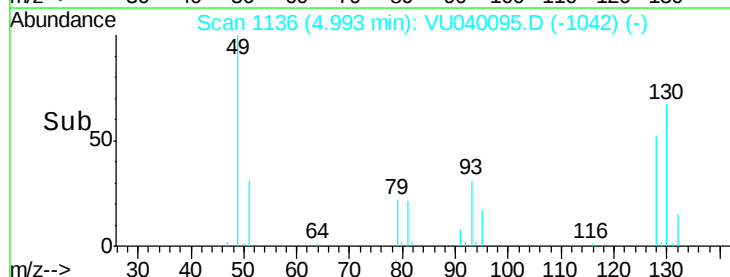
49 204.5 143.4 266.4

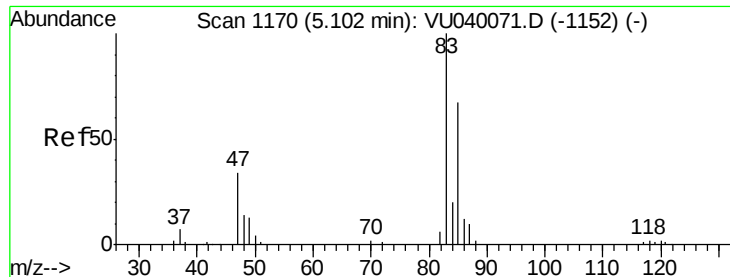
130 128.7 89.5 166.3

51 60.9 51.0 76.4



Abundance Ion 127.90 (127.60 to 128.60): VU040095.D (-1042) (-)

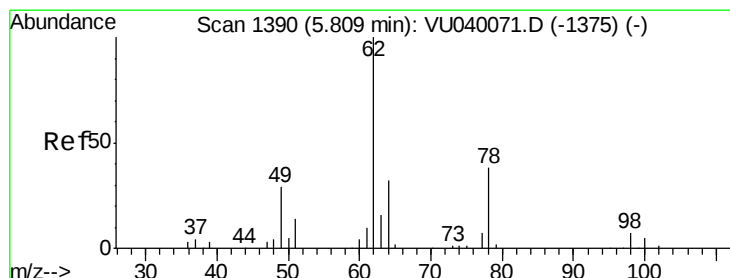
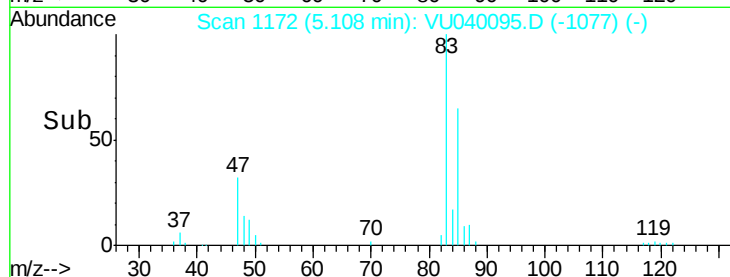
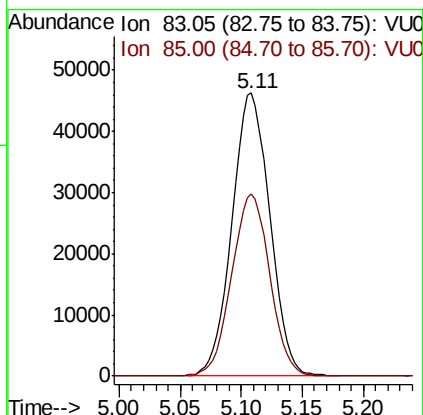
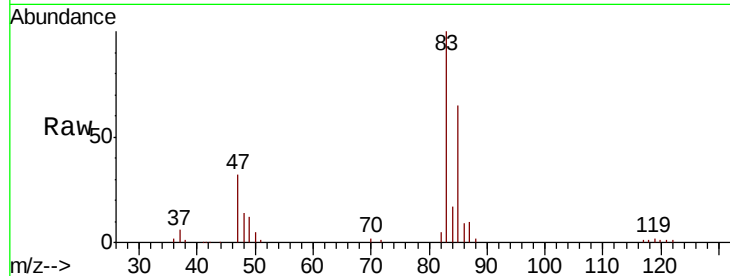




#25
Chloroform
Concen: 5.063 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040095.D
Acq: 10 Sep 2020 20:45

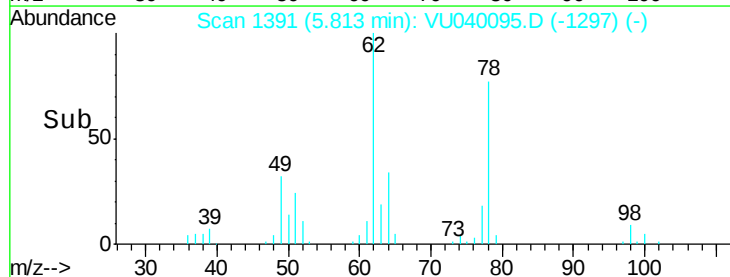
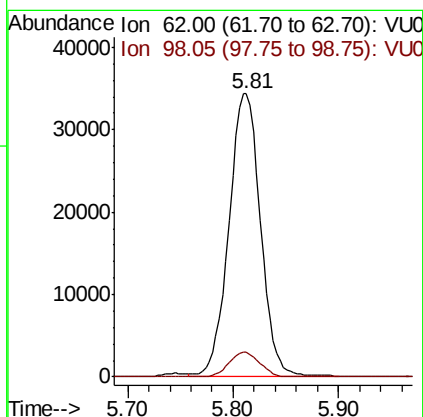
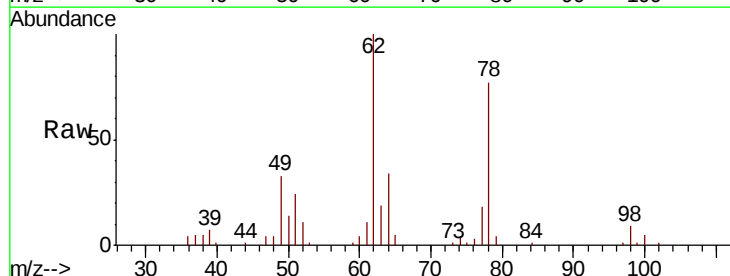
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

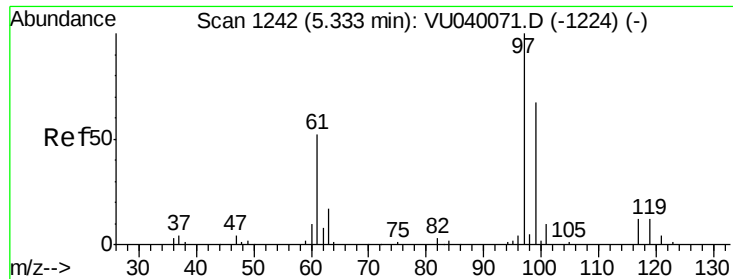
Tot Ion: 83 Resp: 99884
Ion Ratio Lower Upper
83 100
85 64.5 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.944 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040095.D
Acq: 10 Sep 2020 20:45

Tgt Ion: 62 Resp: 71452
Ion Ratio Lower Upper
62 100
98 8.7 6.1 9.1

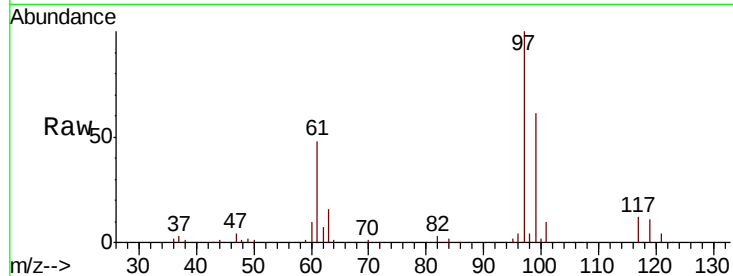




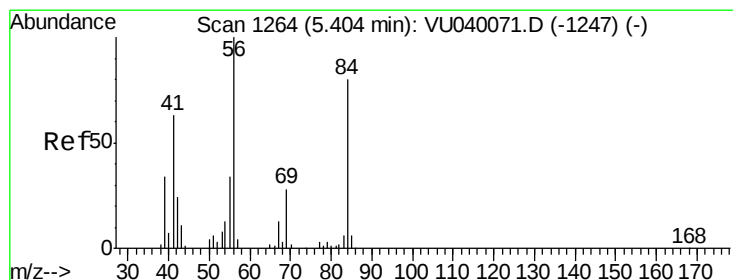
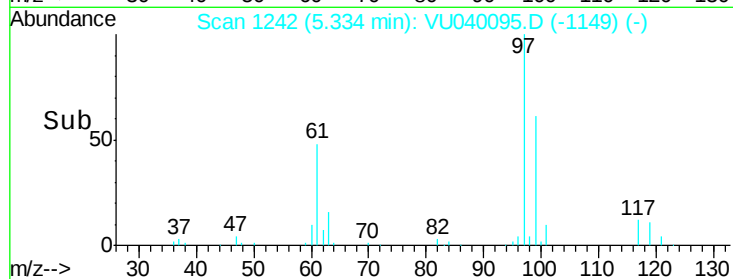
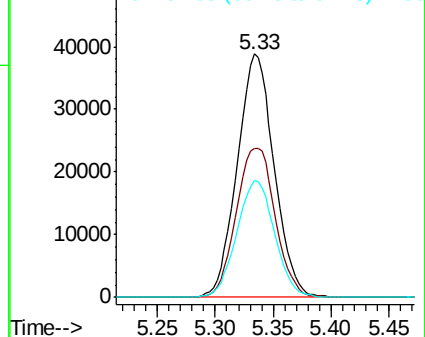
#29
 1,1,1-Trichloroethane
 Concen: 4.813 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion: 97 Resp: 85859
 Ion Ratio Lower Upper
 97 100
 99 64.9 50.9 76.3
 61 49.1 39.5 59.3

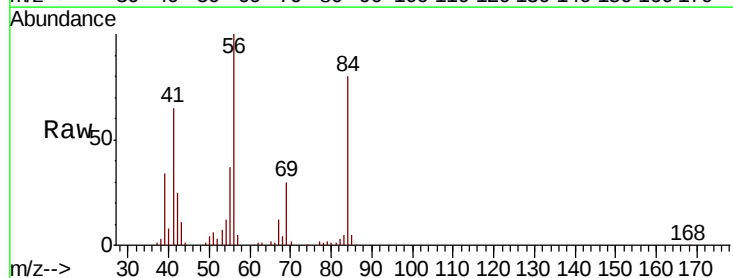


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

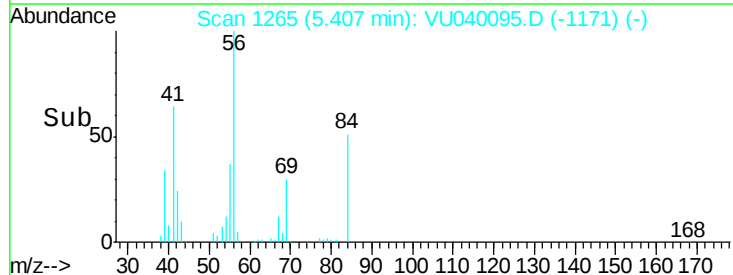
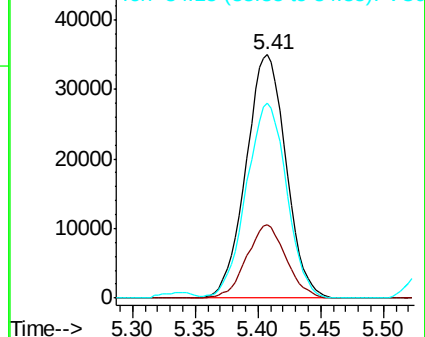


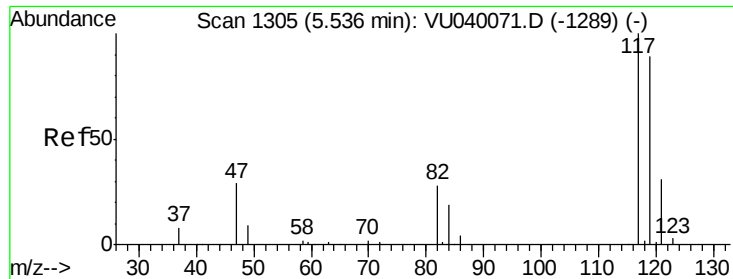
#30
 Cyclohexane
 Concen: 4.487 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

Tgt Ion: 56 Resp: 77623
 Ion Ratio Lower Upper
 56 100
 69 29.7 24.1 36.1
 84 80.8 65.0 97.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.840 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.01 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

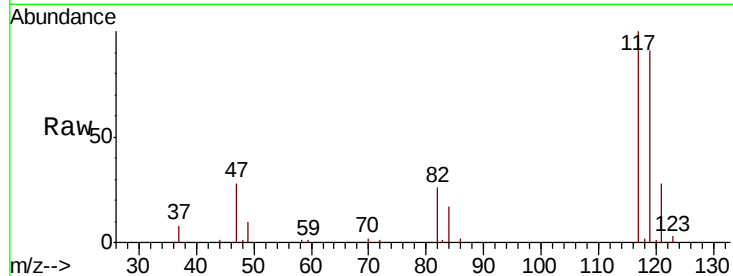
VSTD00527

Tot Ion:117 Resp: 73896

Ion Ratio Lower Upper

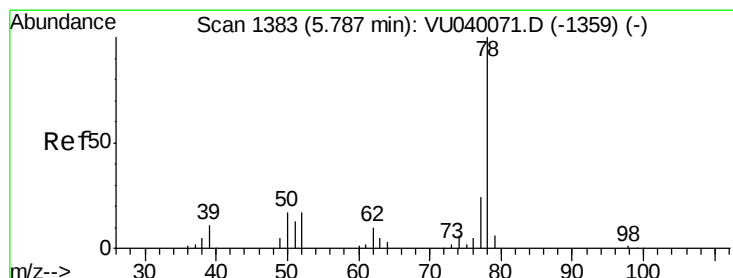
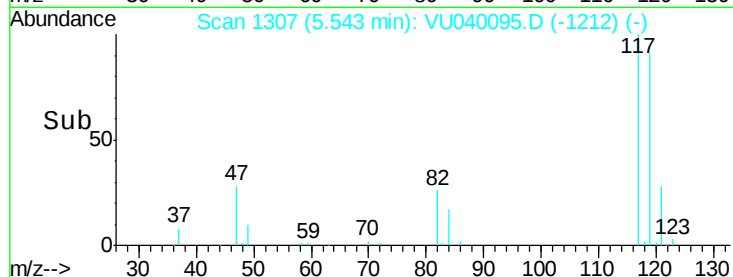
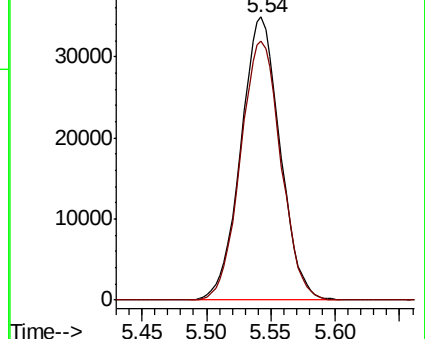
117 100

119 94.1 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.961 ug/L

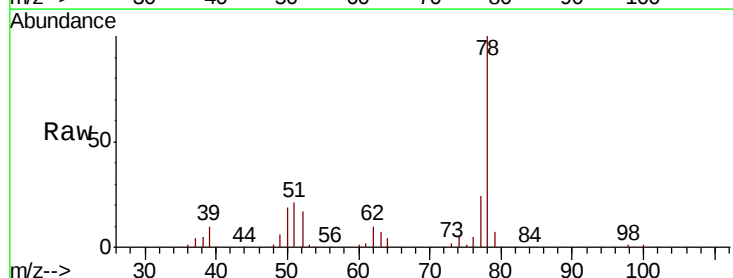
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

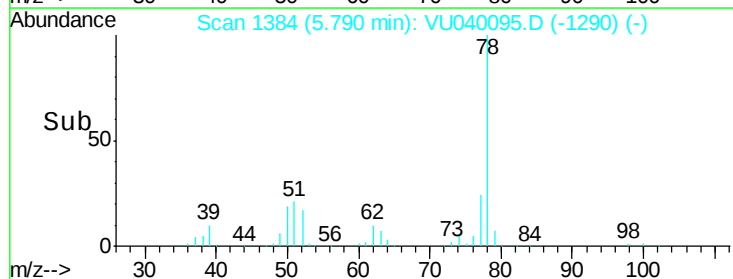
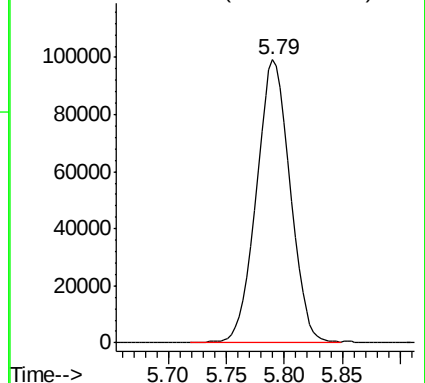
Lab File: VU040095.D

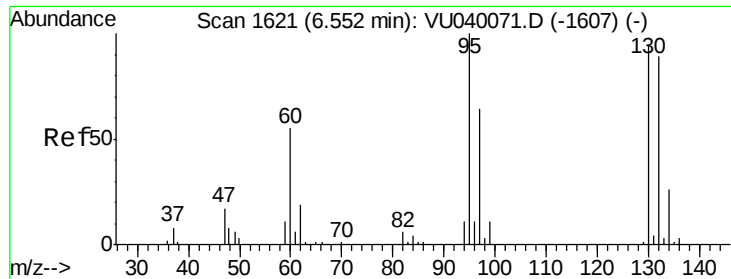
Acq: 10 Sep 2020 20:45

Tgt Ion: 78 Resp: 201660



Abundance Ion 78.10 (77.80 to 78.80): VU0

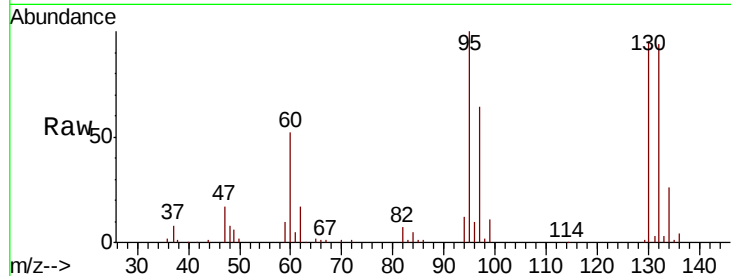




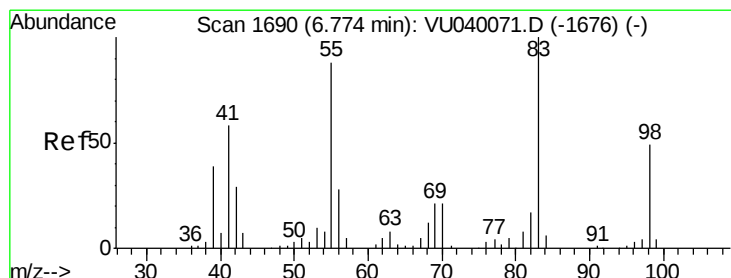
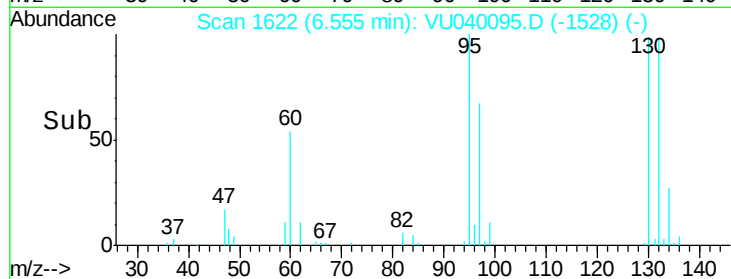
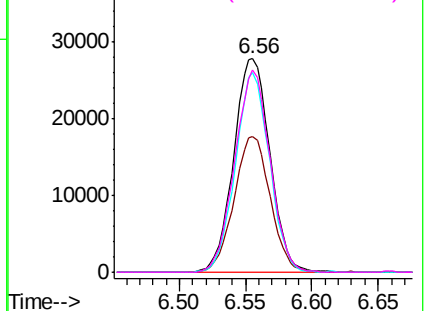
#34
 Trichloroethene
 Concen: 4.847 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion: 95 Resp: 52849
 Ion Ratio Lower Upper
 95 100
 97 63.8 43.3 80.5
 132 93.7 59.4 110.4
 130 94.5 64.8 120.4

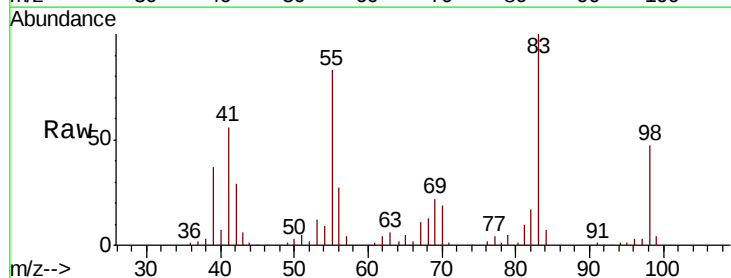


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

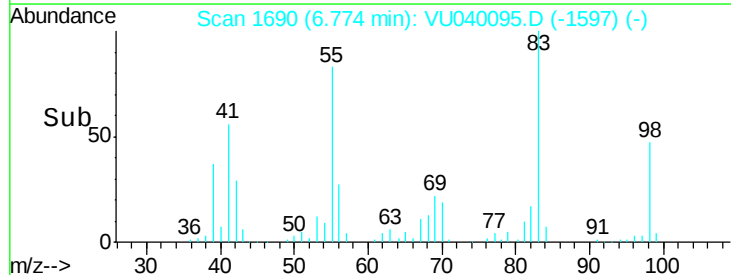
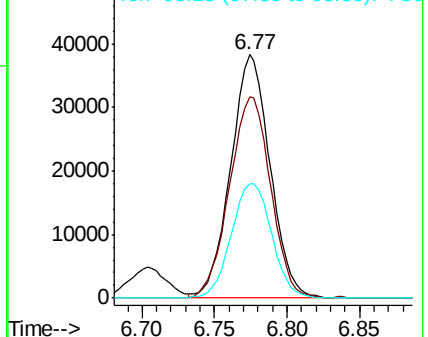


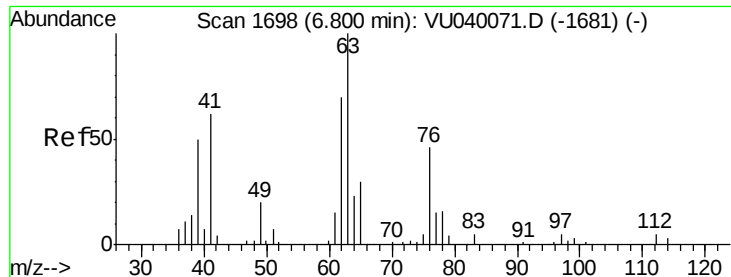
#35
 Methylcyclohexane
 Concen: 4.333 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

Tgt Ion: 83 Resp: 72346
 Ion Ratio Lower Upper
 83 100
 55 86.1 70.5 105.7
 98 48.2 37.8 56.6



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

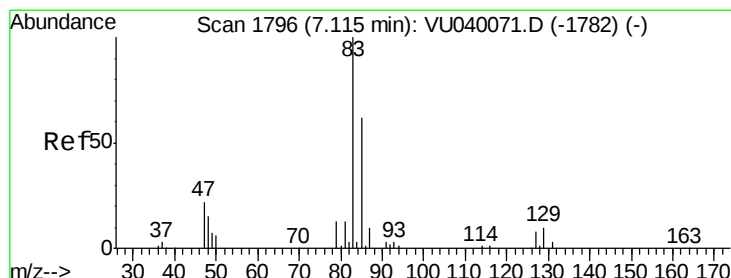
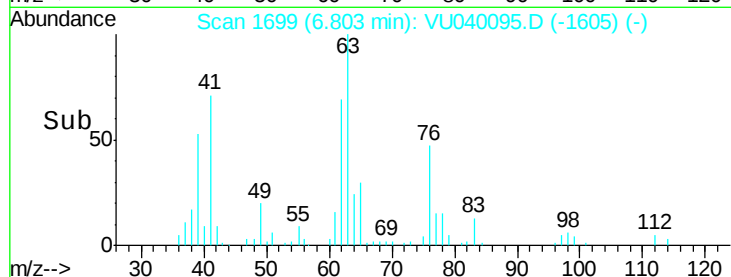
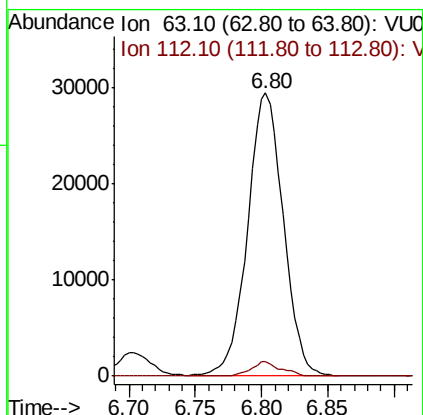
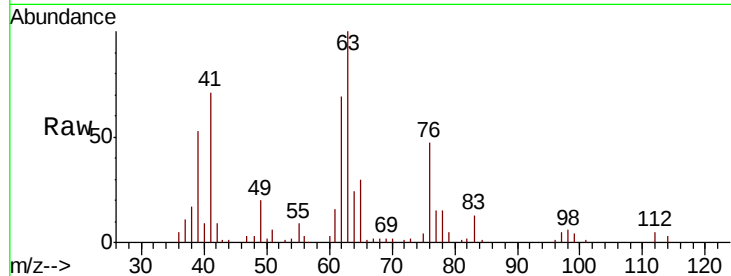




#37
 1,2-Dichloropropane
 Concen: 5.047 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

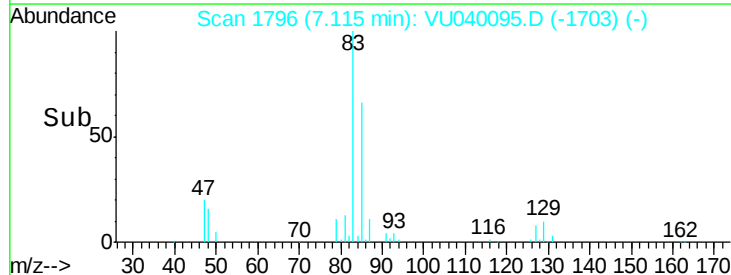
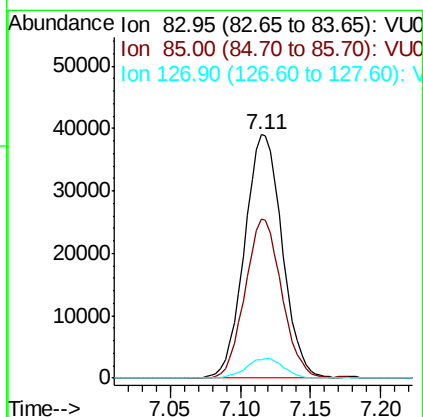
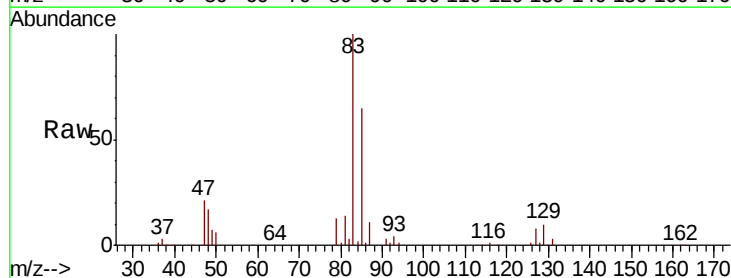
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

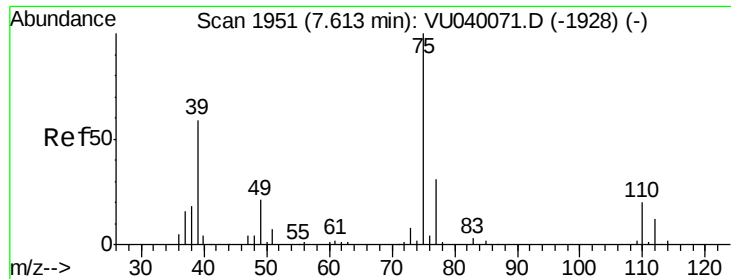
Tot Ion: 63 Resp: 55554
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 4.854 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

Tgt Ion: 83 Resp: 72936
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.1 83.9
 127 7.7 6.7 10.1

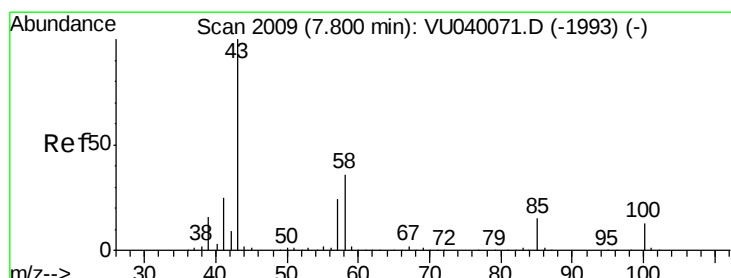
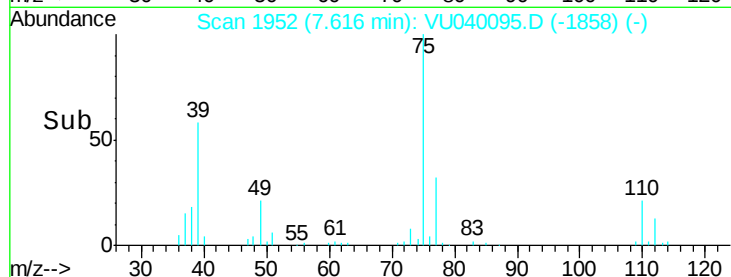
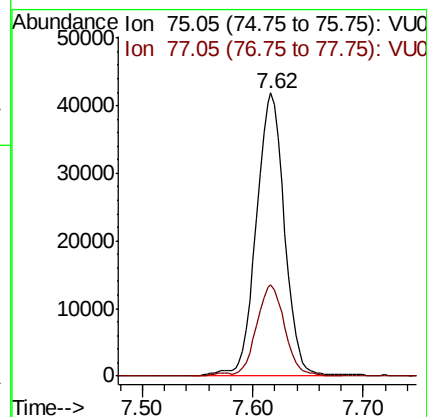
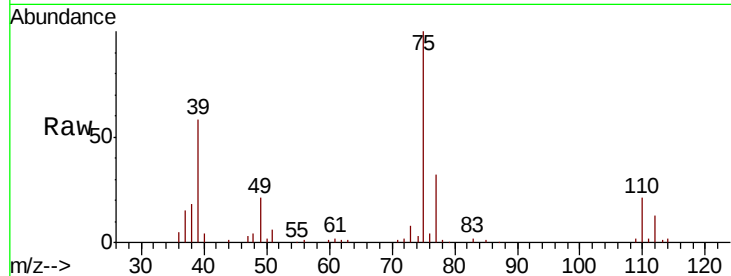




#39
 cis-1,3-Dichloropropene
 Concen: 4.581 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

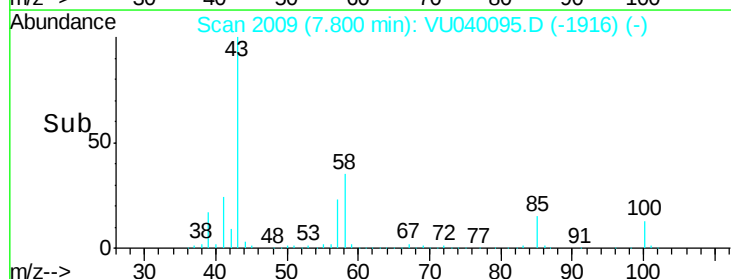
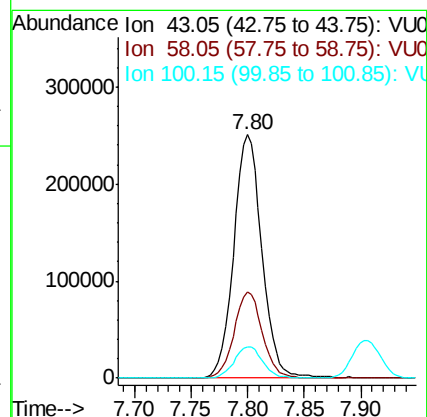
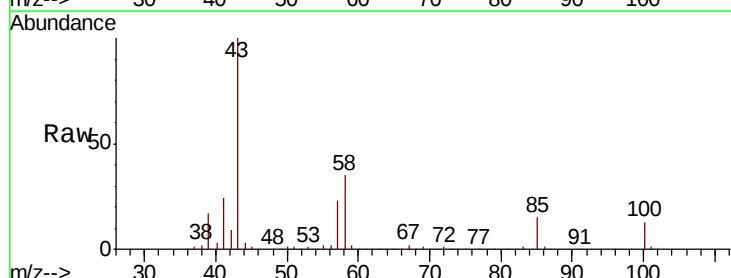
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

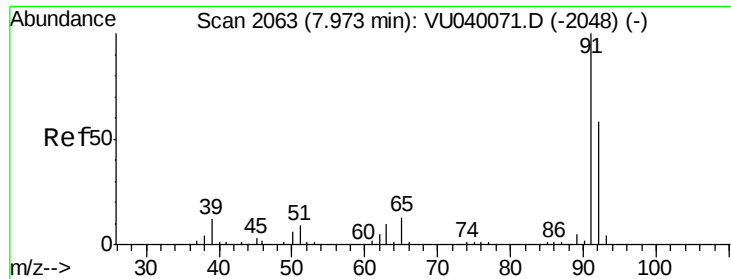
Tot Ion: 75 Resp: 74360
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 48.073 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

Tgt Ion: 43 Resp: 434131
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.7 43.1
 100 13.1 10.2 15.2





#42

Toluene

Concen: 5.060 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

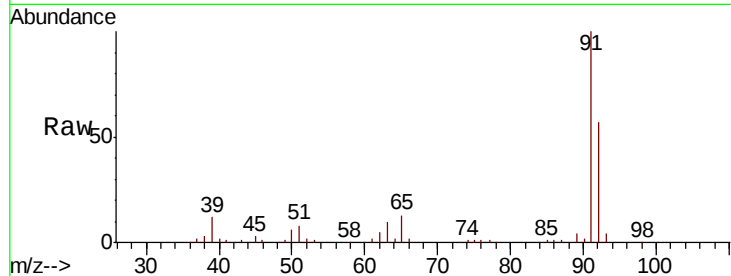
VSTD00527

Tot Ion: 91 Resp: 211797

Ion Ratio Lower Upper

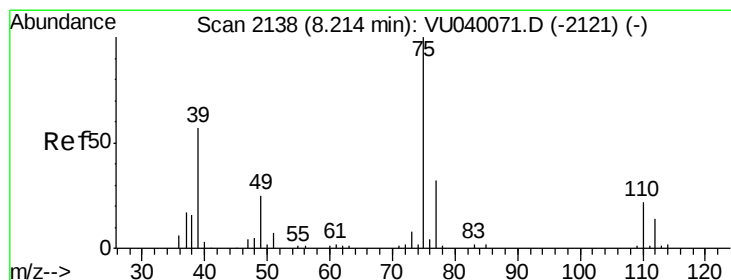
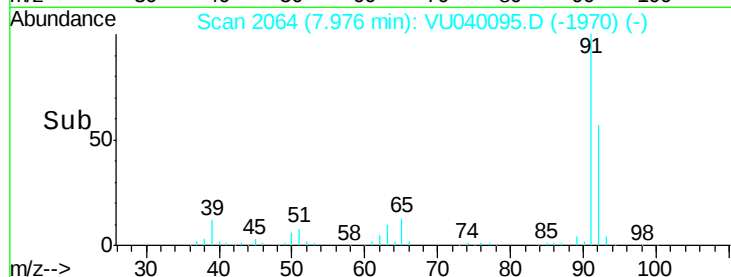
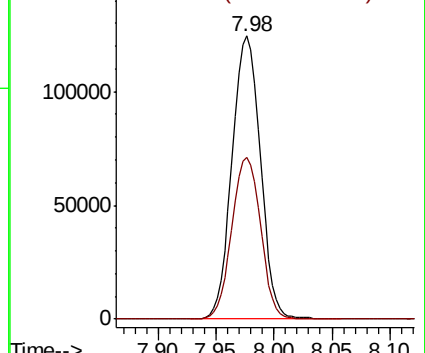
91 100

92 57.0 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.585 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040095.D

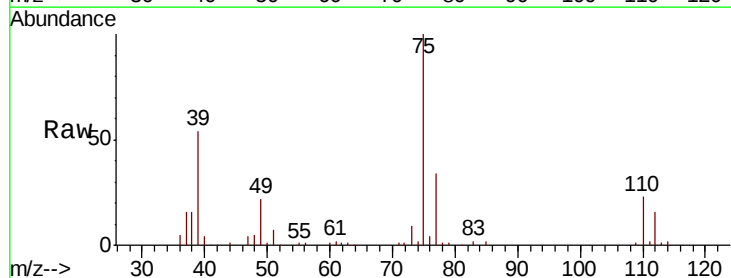
Acq: 10 Sep 2020 20:45

Tgt Ion: 75 Resp: 68957

Ion Ratio Lower Upper

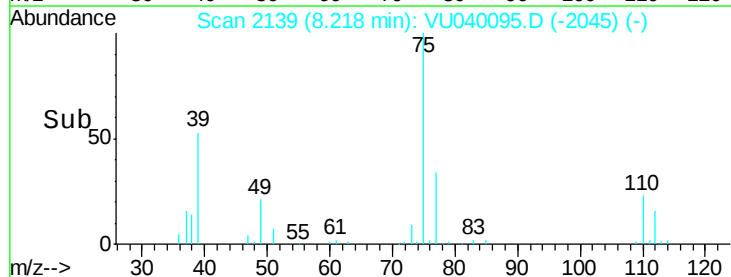
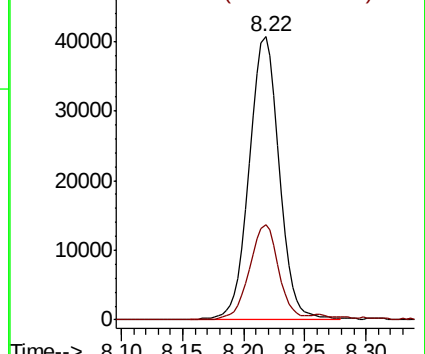
75 100

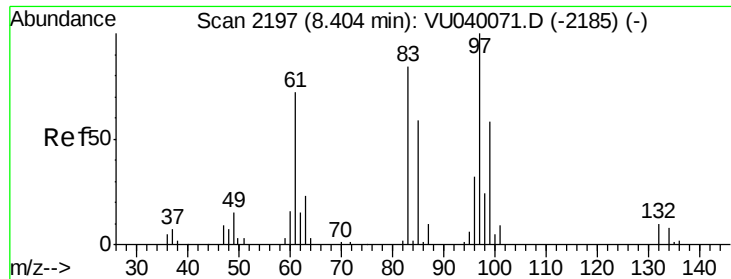
77 33.7 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

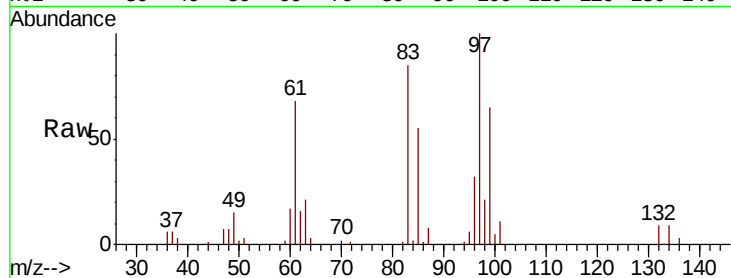




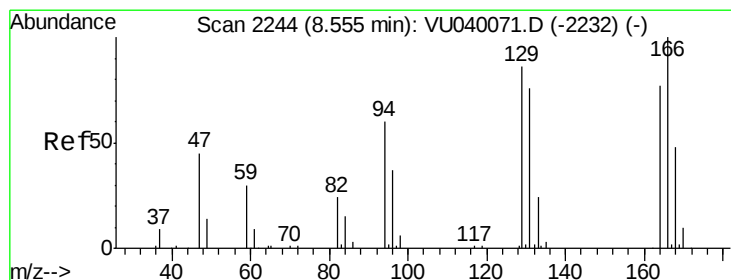
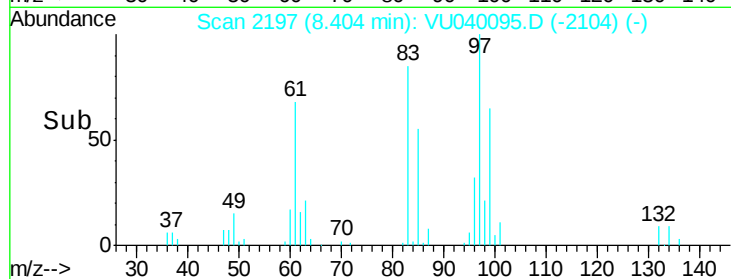
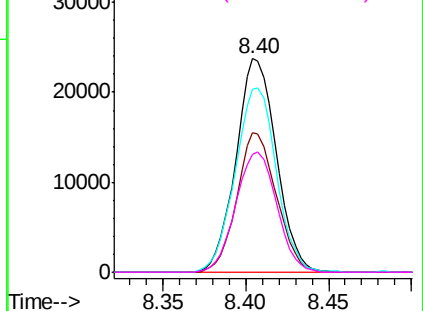
#45
 1,1,2-Trichloroethane
 Concen: 5.017 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:	97	Resp:	40228
Ion	Ratio	Lower	Upper
97	100		
99	65.2	43.0	79.8
83	85.4	61.7	114.7
85	54.9	39.3	73.1

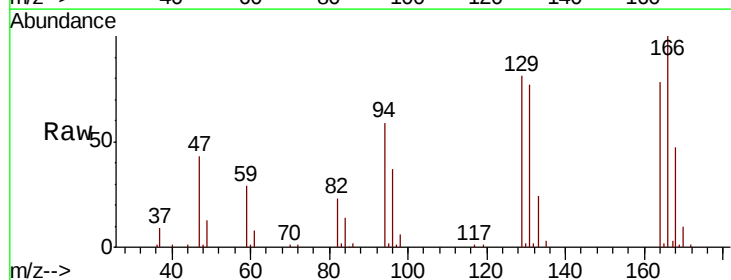


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

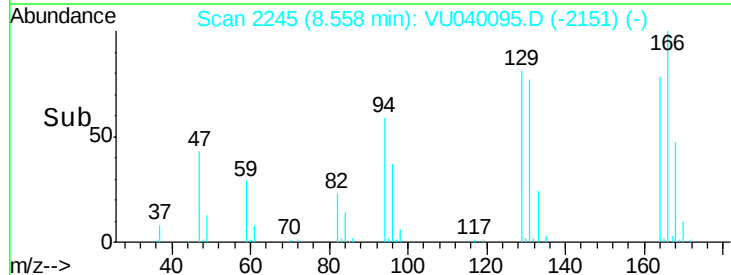
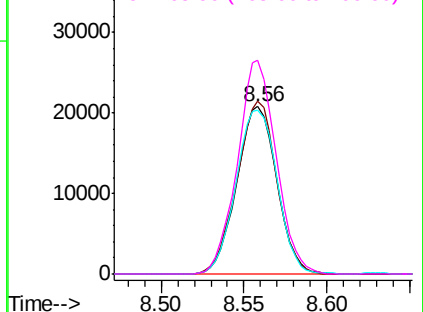


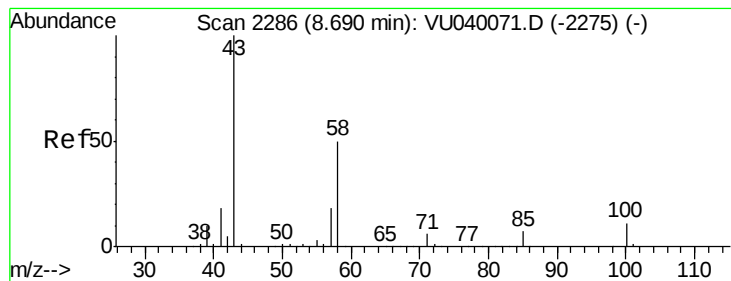
#47
 Tetrachloroethene
 Concen: 4.885 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

Tgt Ion:	164	Resp:	34987
Ion	Ratio	Lower	Upper
164	100		
129	103.5	71.5	132.7
131	97.8	65.9	122.5
166	127.6	87.3	162.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 47.569 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

Tot Ion: 43 Resp: 313355

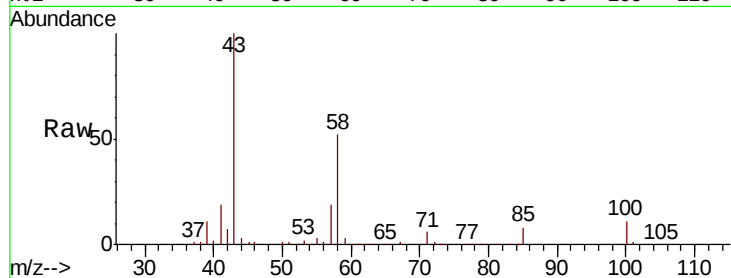
Ion Ratio Lower Upper

43 100

58 51.3 39.6 59.4

57 18.3 14.3 21.5

100 10.5 8.0 12.0

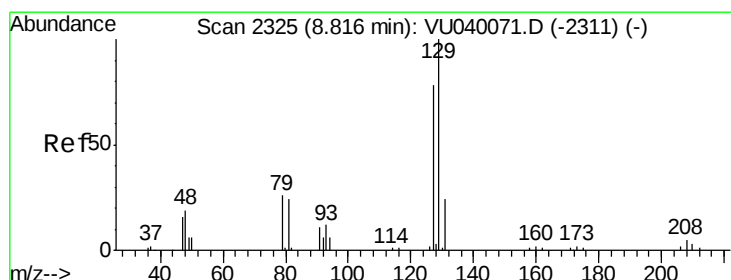
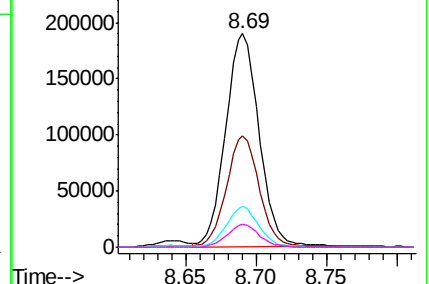
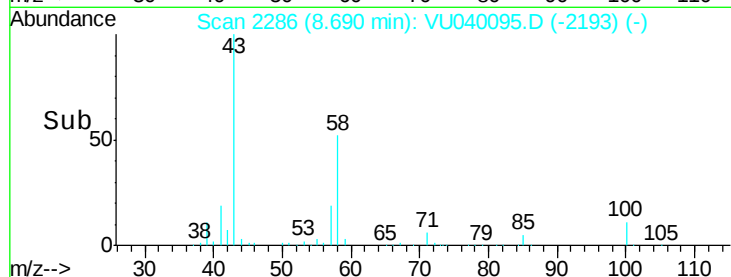


Abundance Ion 43.05 (42.75 to 43.75): VU040095.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040095.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040095.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040095.D (-2193) (-)



#49

Dibromochloromethane

Concen: 4.936 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040095.D

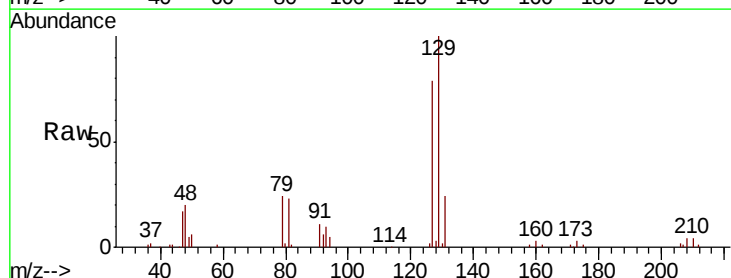
Acq: 10 Sep 2020 20:45

Tgt Ion: 129 Resp: 47505

Ion Ratio Lower Upper

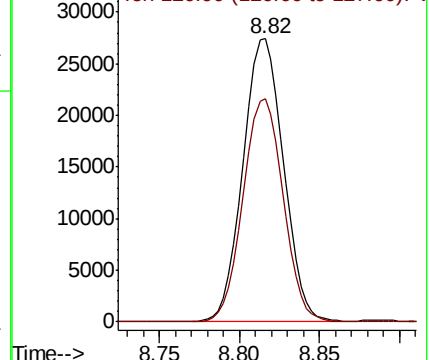
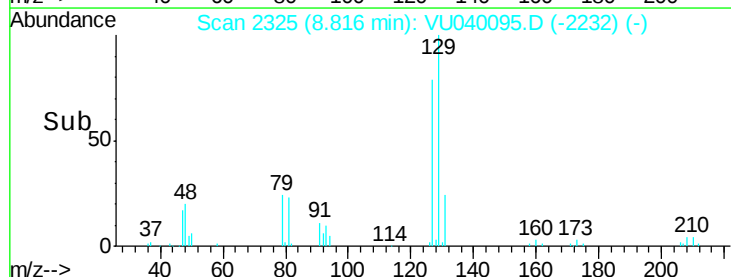
129 100

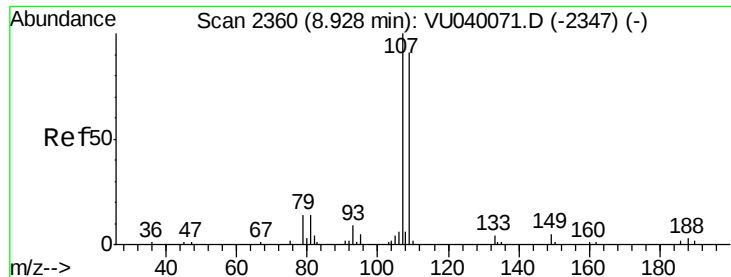
127 78.6 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): VU040095.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VU040095.D (-2232) (-)

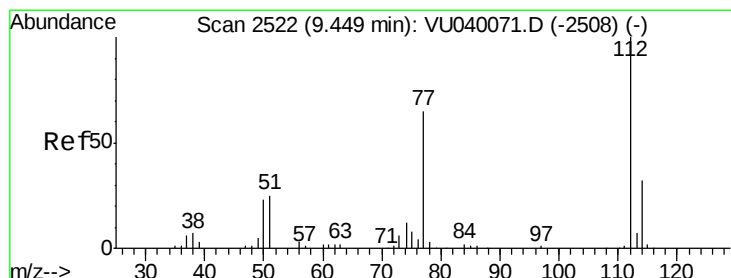
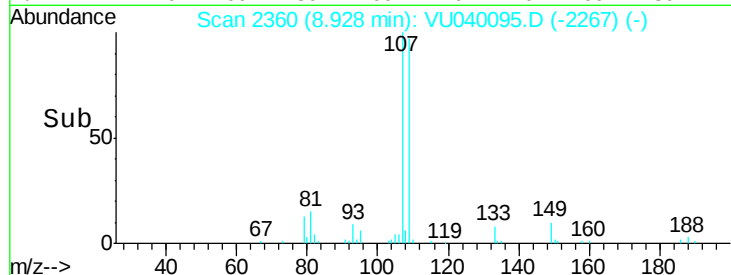
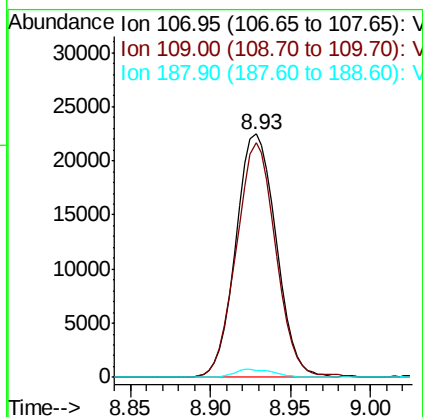
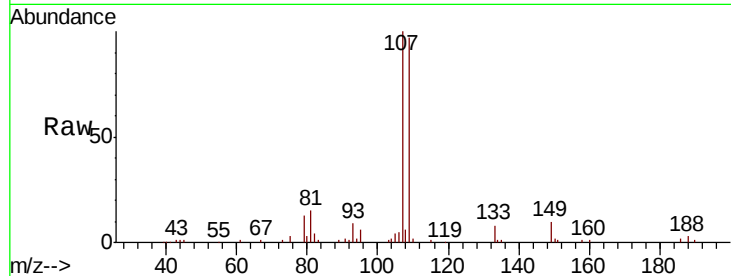




#50
 1,2-Dibromoethane
 Concen: 4.989 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

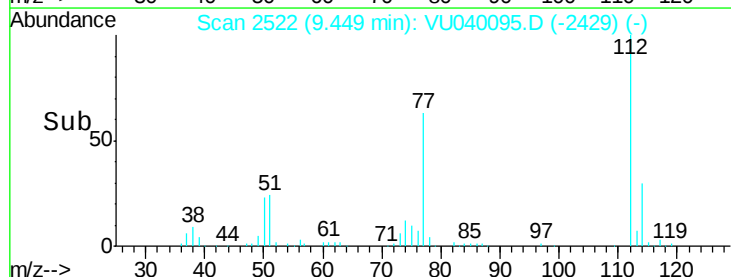
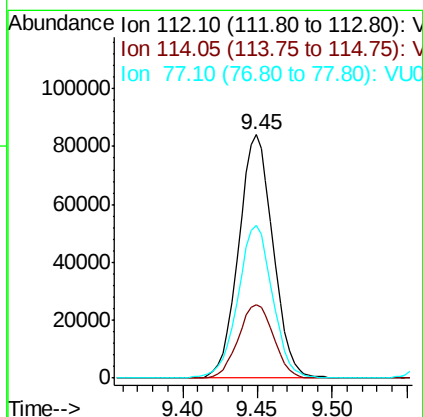
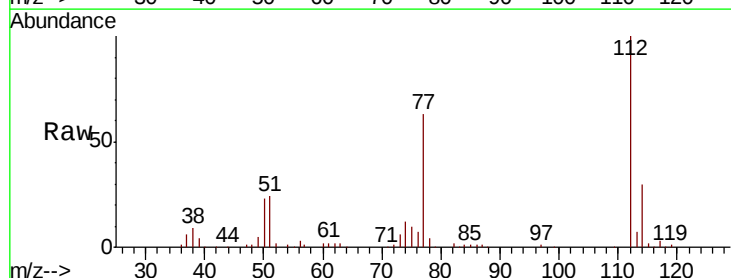
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

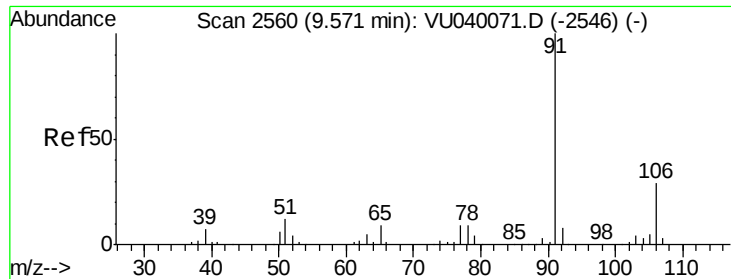
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.6	62.4	115.8
188	2.9	2.3	3.5



#51
 Chlorobenzene
 Concen: 5.165 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.1	22.7	42.3
77	62.7	53.2	79.8





#52

Ethylbenzene

Concen: 4.869 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

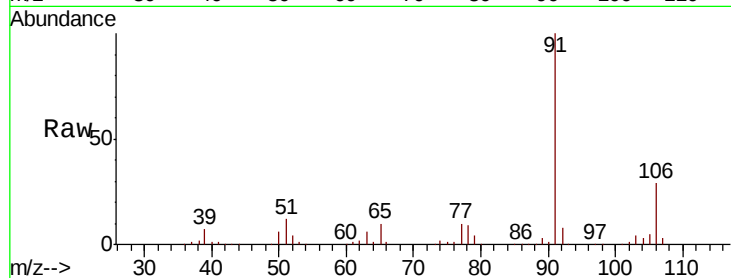
VSTD00527

Tot Ion: 91 Resp: 231570

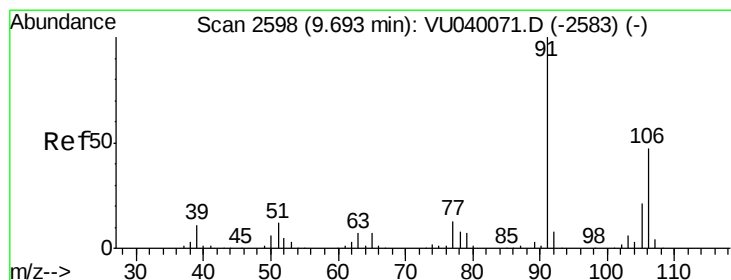
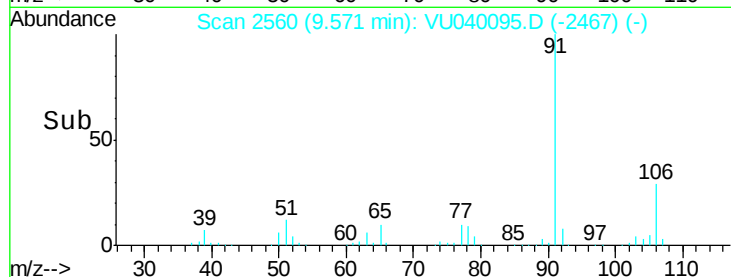
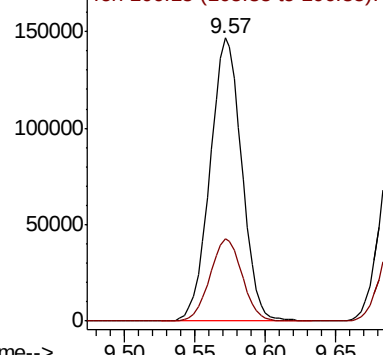
Ion Ratio Lower Upper

91 100

106 28.9 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040071.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.121 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040095.D

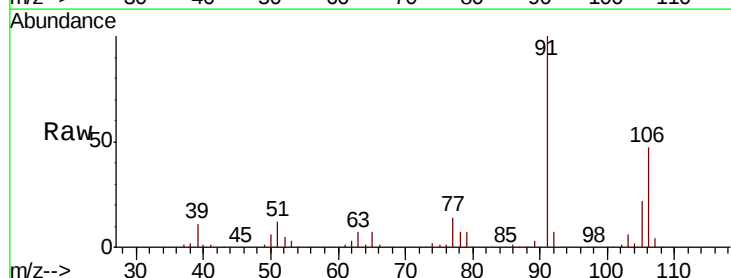
Acq: 10 Sep 2020 20:45

Tgt Ion: 106 Resp: 86718

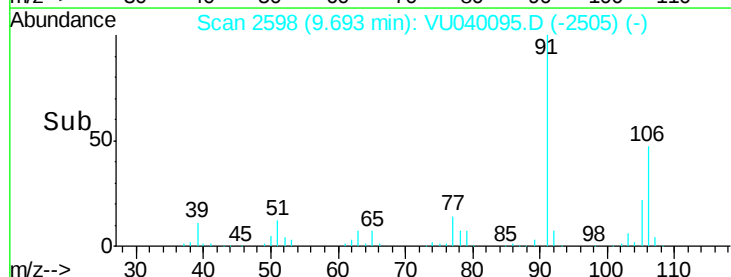
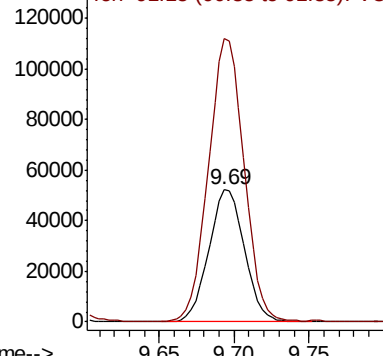
Ion Ratio Lower Upper

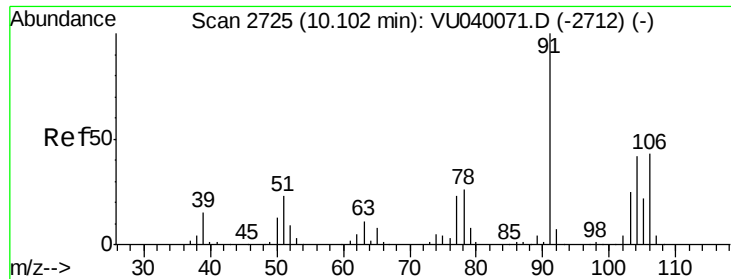
106 100

91 214.1 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040071.D (-2583) (-)

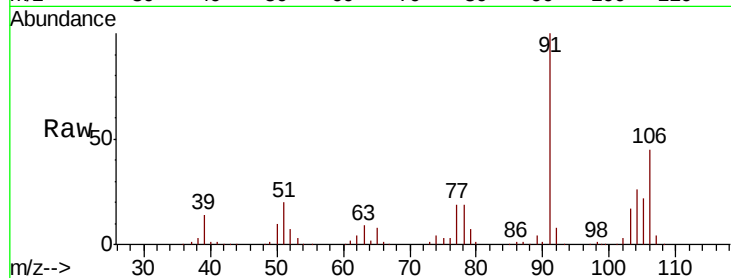




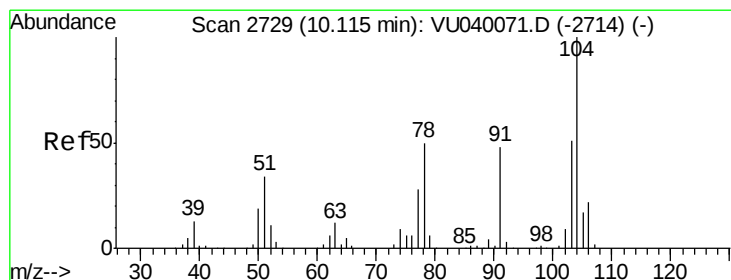
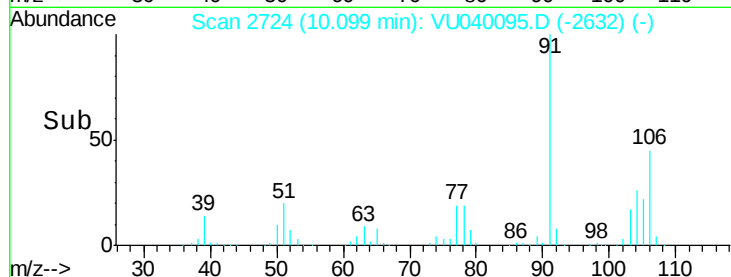
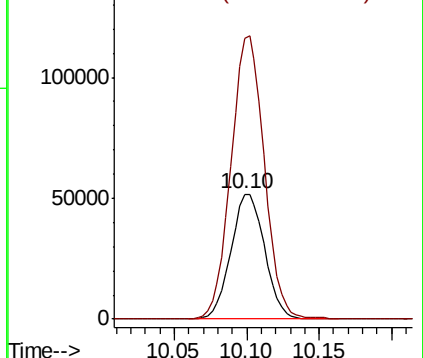
#54
o-Xylene
Concen: 5.178 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040095.D
Acq: 10 Sep 2020 20:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion:106 Resp: 83557
Ion Ratio Lower Upper
106 100
91 223.7 160.8 298.6

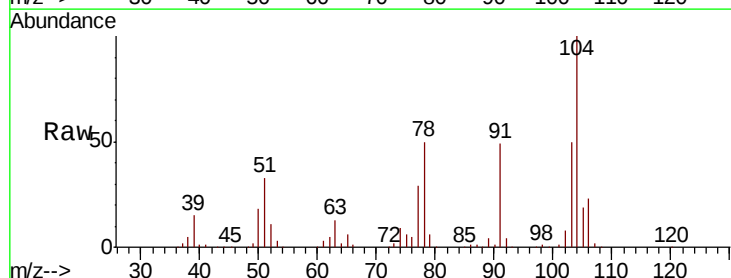


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

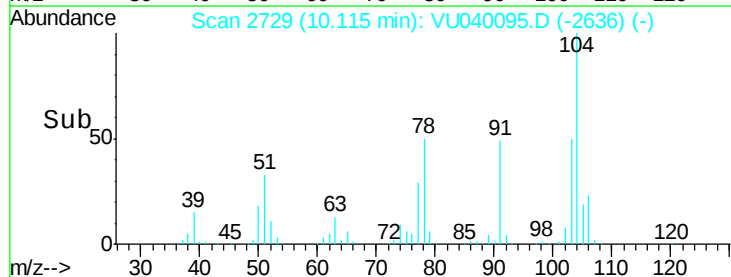
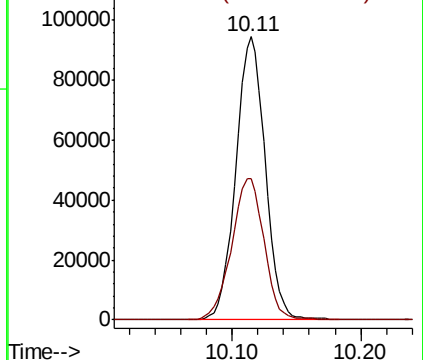


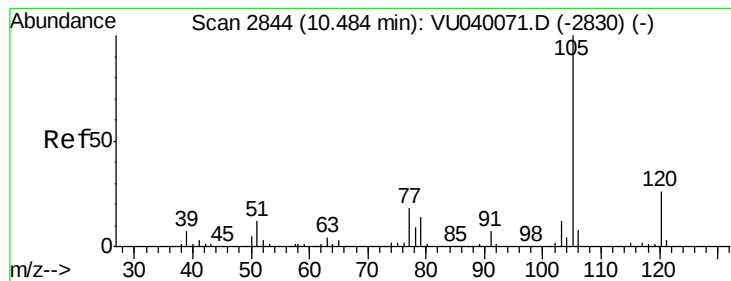
#55
Styrene
Concen: 5.328 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040095.D
Acq: 10 Sep 2020 20:45

Tgt Ion:104 Resp: 149504
Ion Ratio Lower Upper
104 100
78 50.0 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.104 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

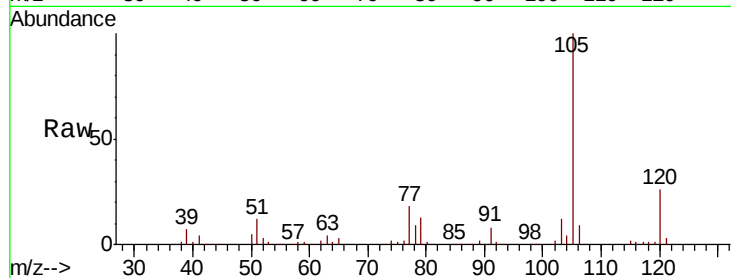
Tot Ion:105 Resp: 224643

Ion Ratio Lower Upper

105 100

120 25.4 20.1 30.1

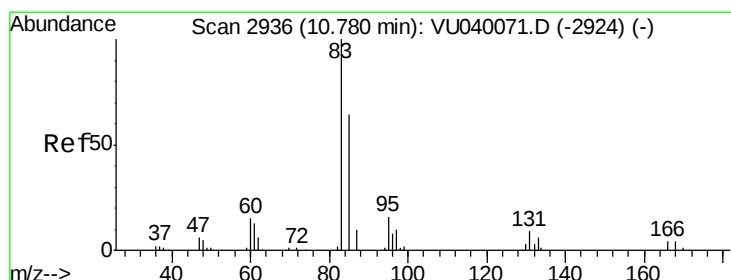
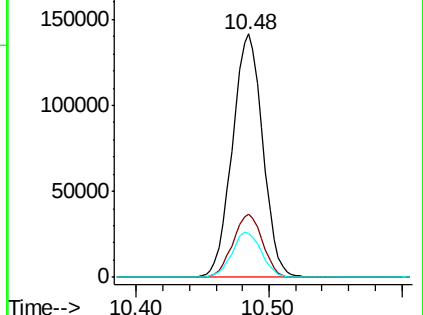
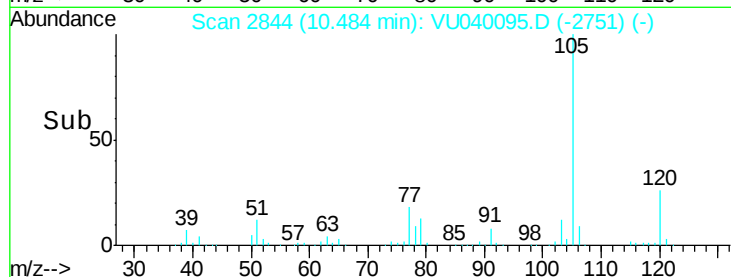
77 18.1 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.208 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

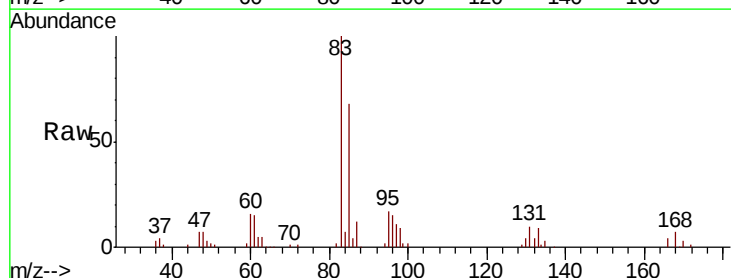
Tgt Ion: 83 Resp: 53540

Ion Ratio Lower Upper

83 100

85 68.0 44.9 83.3

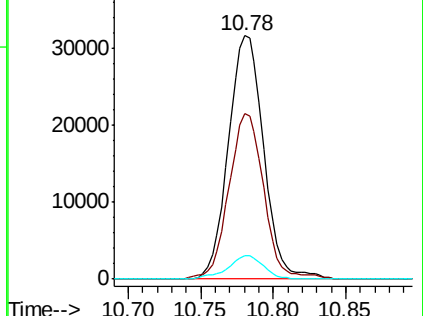
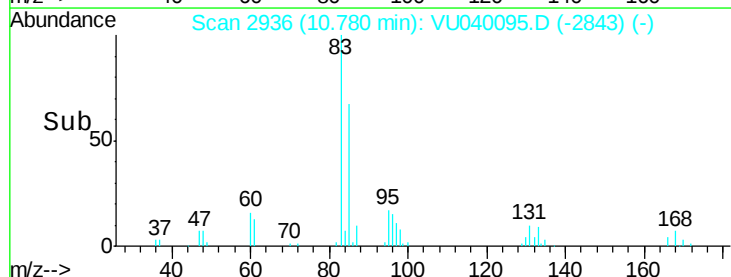
131 9.7 7.4 11.0

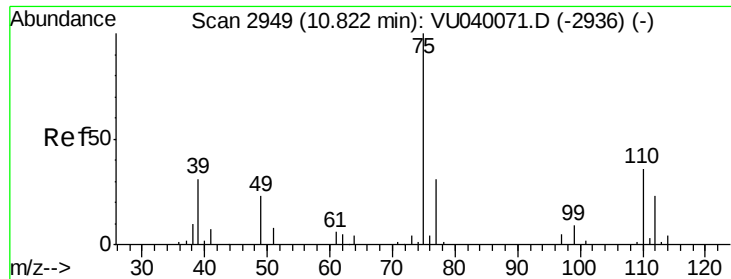


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

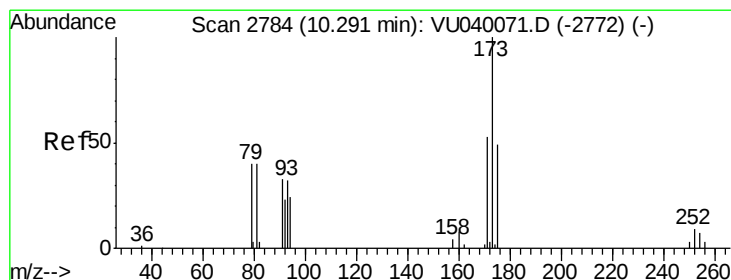
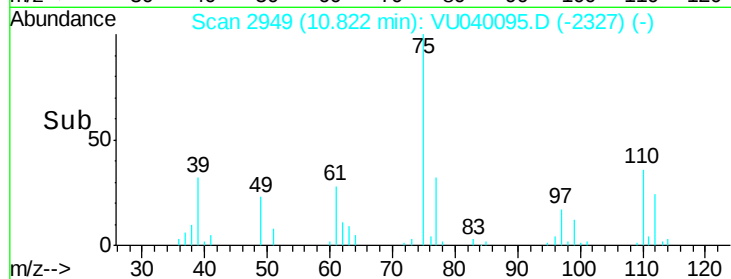
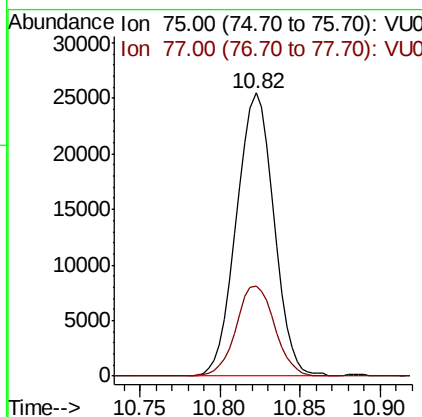
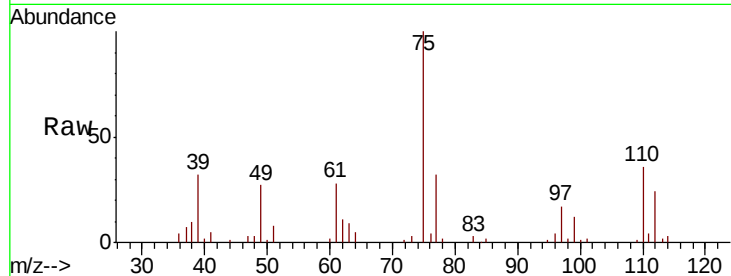




#59
 1,2,3-Trichloropropane
 Concen: 4.982 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

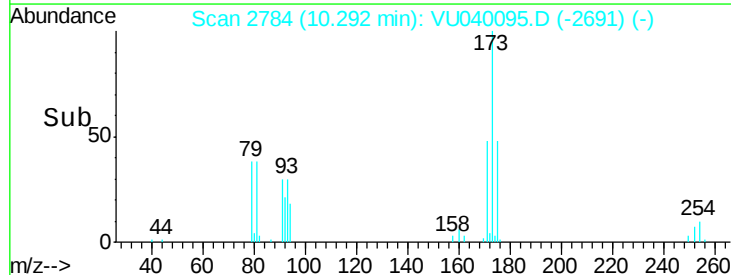
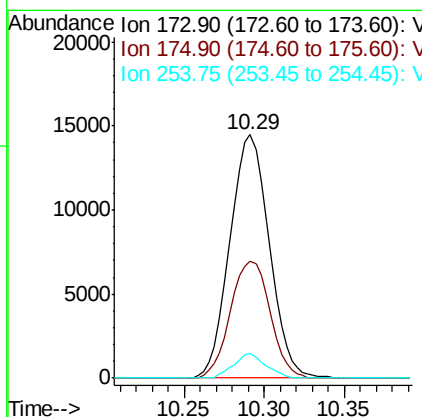
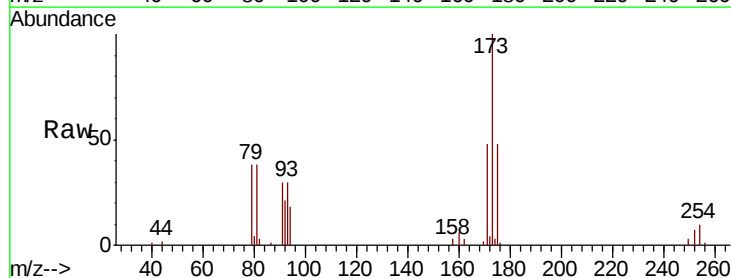
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

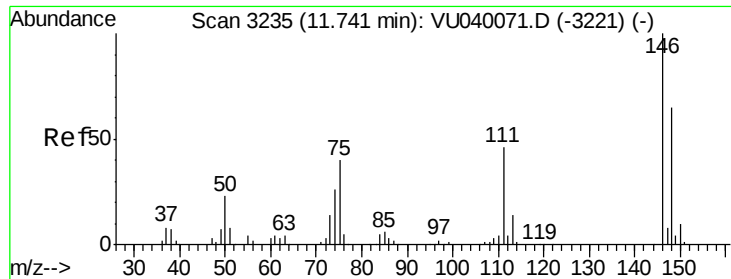
Tot Ion: 75 Resp: 40627
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.9 37.3



#61
 Bromoform
 Concen: 4.636 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

Tgt Ion: 173 Resp: 24282
 Ion Ratio Lower Upper
 173 100
 175 48.3 37.8 56.6
 254 8.1 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 5.037 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

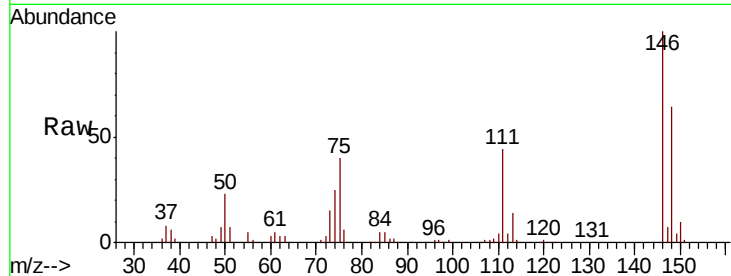
Tot Ion:146 Resp: 105126

Ion Ratio Lower Upper

146 100

111 44.4 31.6 58.8

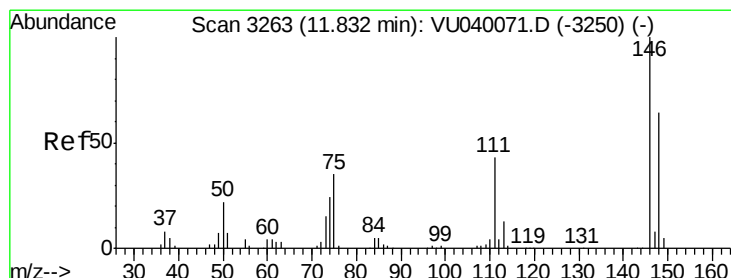
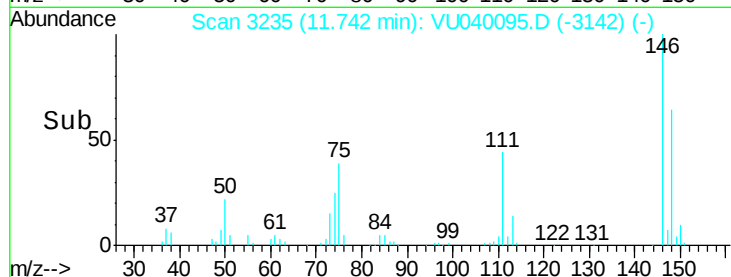
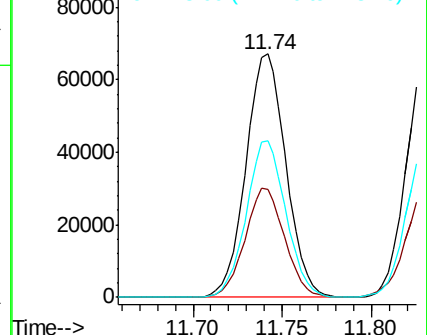
148 64.4 44.2 82.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.037 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

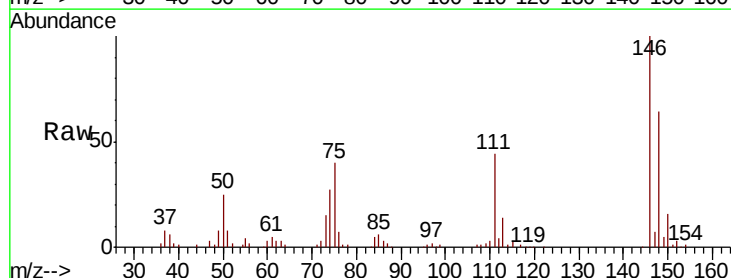
Tgt Ion:146 Resp: 106384

Ion Ratio Lower Upper

146 100

111 43.7 30.5 56.7

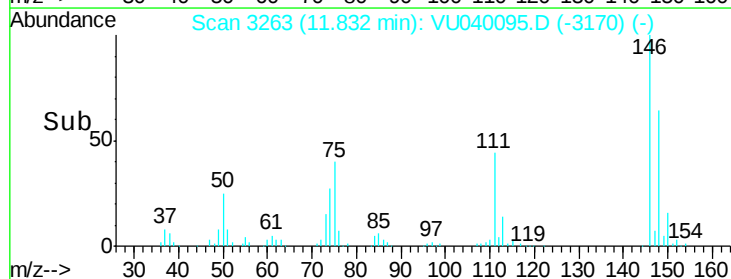
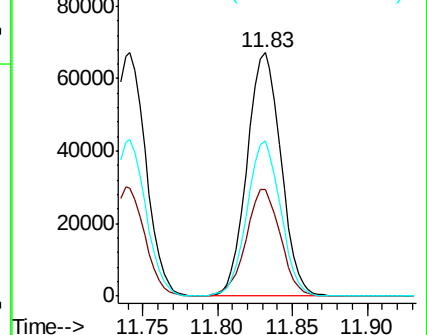
148 63.9 45.4 84.4

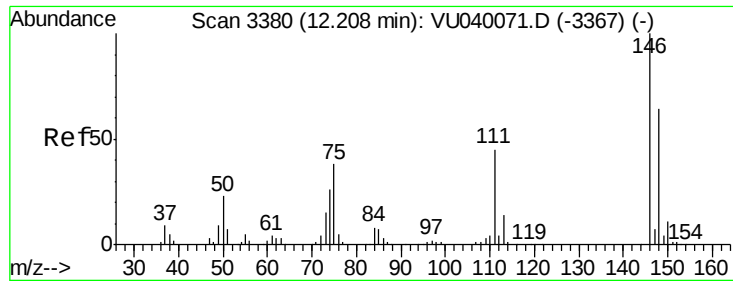


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.126 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

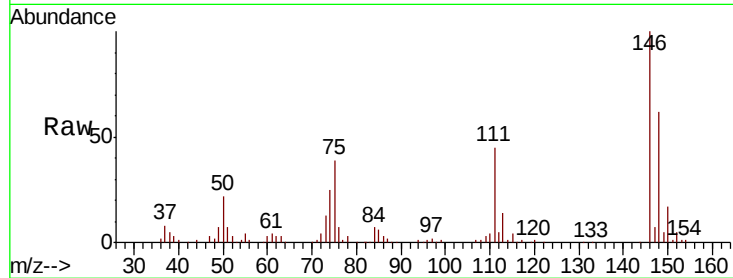
Tot Ion:146 Resp: 103533

Ion Ratio Lower Upper

146 100

111 44.6 36.5 54.7

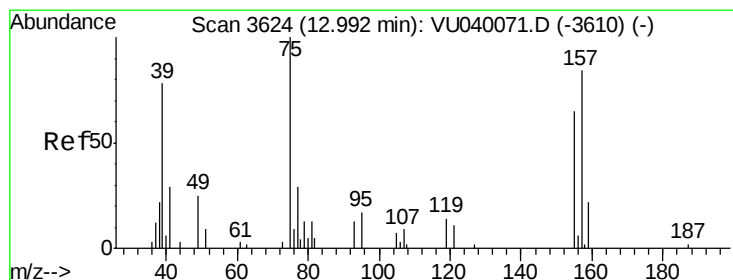
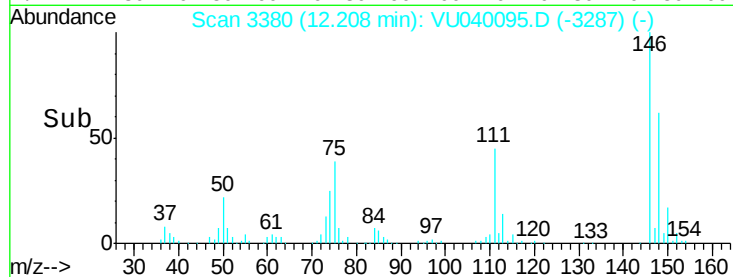
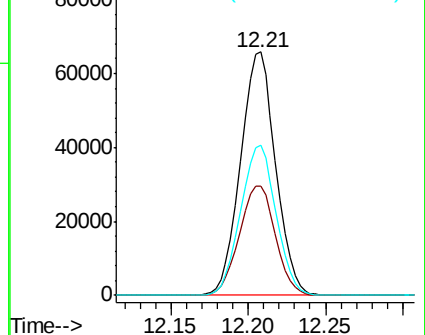
148 61.7 48.6 72.8



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: 4.247 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040095.D

Acq: 10 Sep 2020 20:45

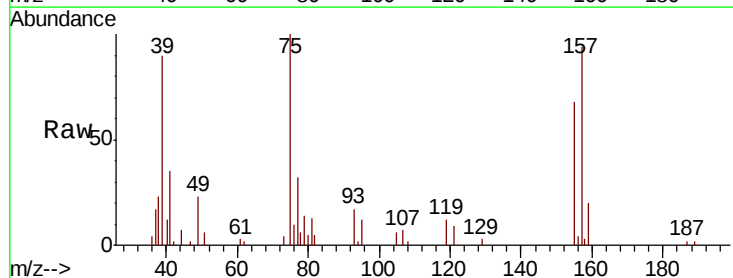
Tgt Ion: 75 Resp: 9173

Ion Ratio Lower Upper

75 100

155 67.9 54.6 82.0

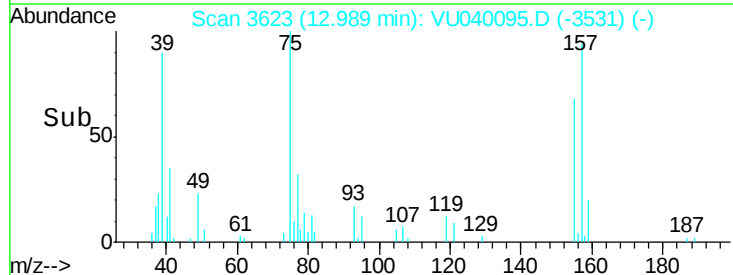
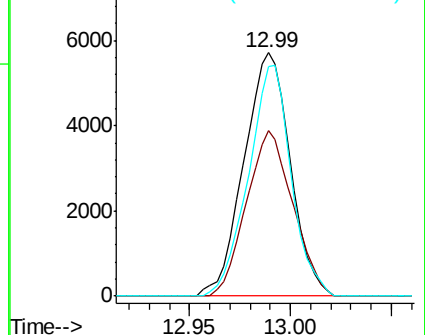
157 94.2 75.6 113.4

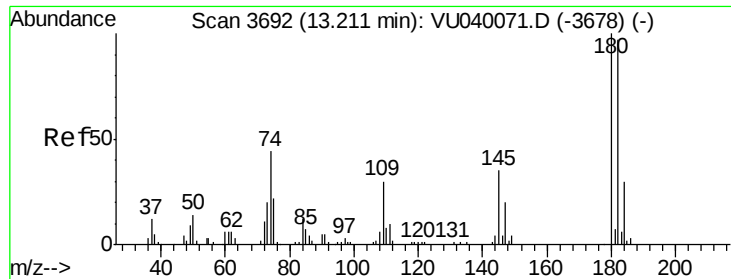


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

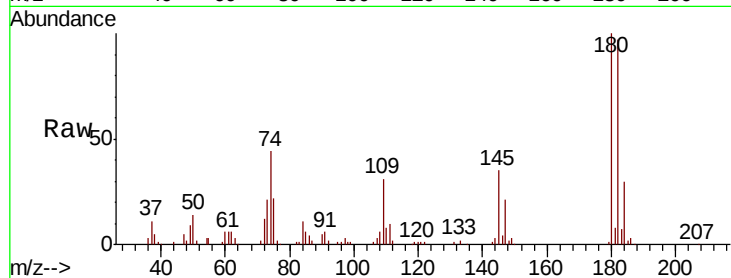




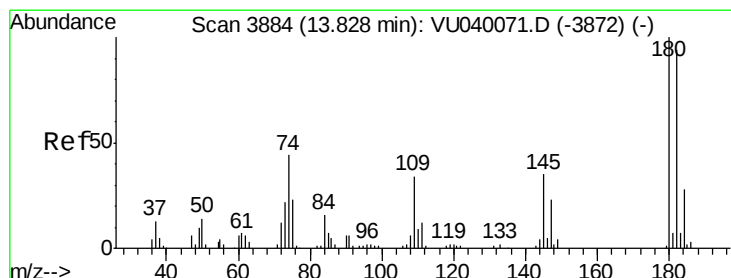
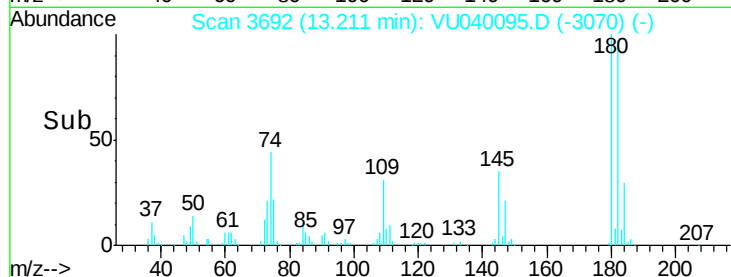
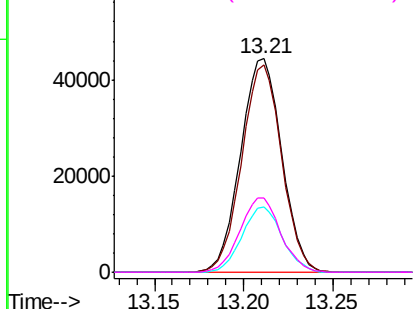
#67
 1,3,5-Trichlorobenzene
 Concen: 4.864 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:180 Resp: 71379
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.9 115.3
 184 29.6 24.6 36.8
 145 34.5 27.0 40.6

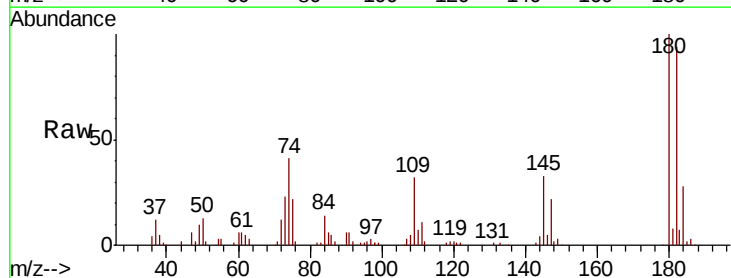


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

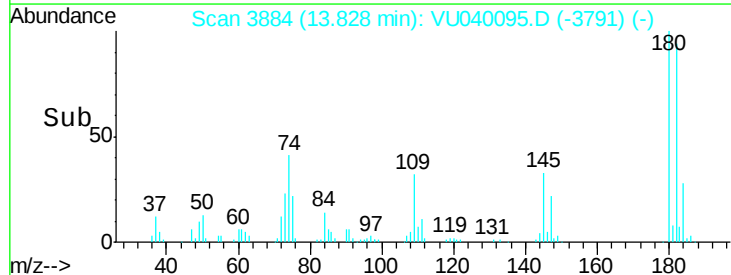
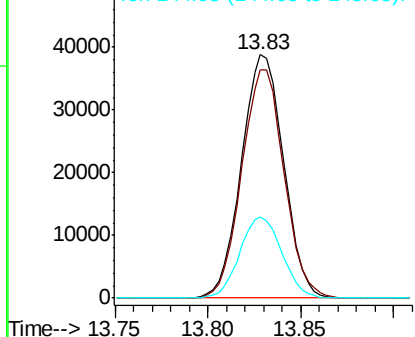


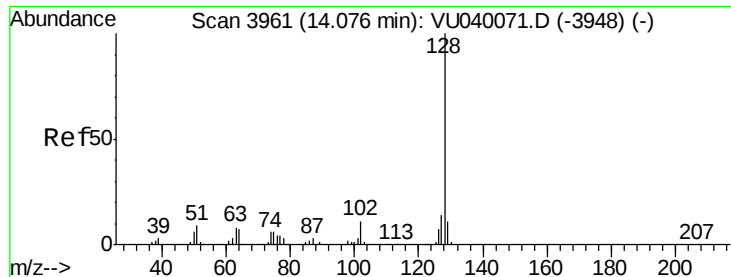
#68
 1,2,4-trichlorobenzene
 Concen: 4.835 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040095.D
 Acq: 10 Sep 2020 20:45

Tgt Ion:180 Resp: 61116
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.0 114.0
 145 33.3 28.4 42.6



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

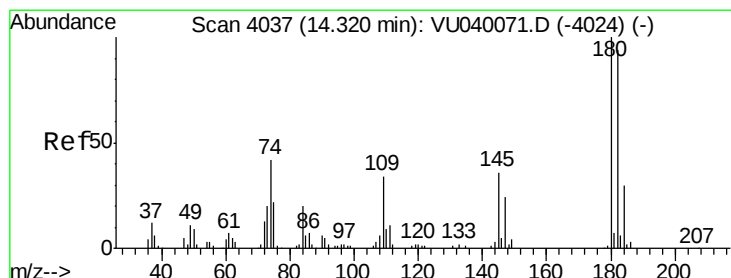
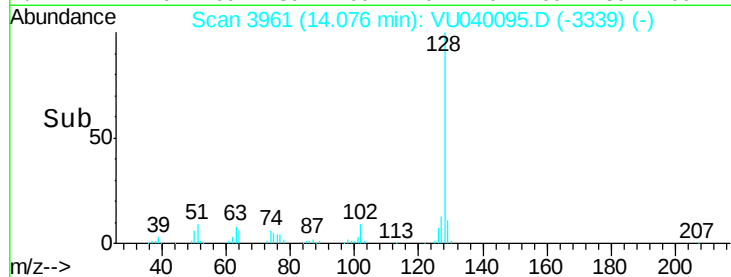
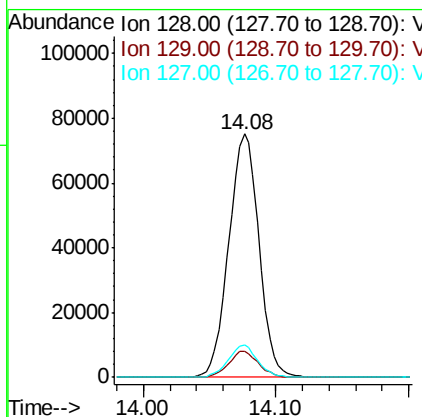
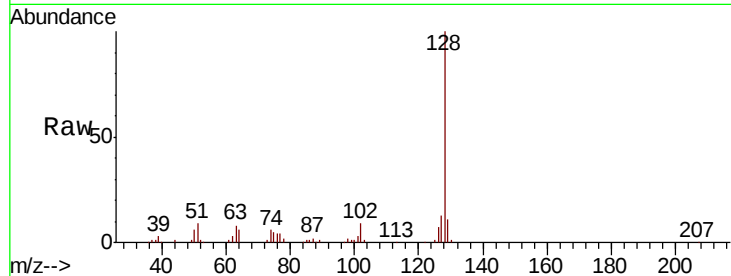




#69
Naphthalene
Concen: 4.501 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040095.D
Acq: 10 Sep 2020 20:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion:128 Resp: 118608
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.0 10.7 16.1



#70
1,2,3-Trichlorobenzene
Concen: 5.037 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU040095.D
Acq: 10 Sep 2020 20:45

Tgt Ion:180 Resp: 58483
Ion Ratio Lower Upper
180 100
182 93.6 77.8 116.6
145 37.0 28.7 43.1

