

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071520\
 Data File : VU039495.D
 Acq On : 15 Jul 2020 09:02
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Quant Time: Jul 16 04:07:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 12:31:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	105009	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	104127	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51735	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	30019	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.92	69	32288	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.58	63	63993	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.00%
20) 2-Butanone-d5	4.65	46	137631	49.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.84%
24) Chloroform-d	5.08	84	65649	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.72	65	44857	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.74	84	137827	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.00%
36) 1,2-Dichloropropane-d6	6.70	67	46554	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.91	98	129788	5.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.40%
43) trans-1,3-Dichloropropene-	8.19	79	21439	5.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.20%
46) 2-Hexanone-d5	8.64	63	112670	48.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.68%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	43558	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	51118	5.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	33299	5.232	ug/L 99
3) Chloromethane	1.53	50	35306	4.579	ug/L 98
5) Vinyl chloride	1.61	62	36826	4.301	ug/L 99
6) Bromomethane	1.87	94	21765	5.902	ug/L 93
8) Chloroethane	1.94	64	28297	4.574	ug/L 98
9) Trichlorofluoromethane	2.15	101	79156	5.324	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	31545	5.170	ug/L 98
12) 1,1-Dichloroethene	2.59	96	28104	4.500	ug/L 92
13) Acetone	2.66	43	72269	48.079	ug/L 99
14) Carbon disulfide	2.81	76	91704	4.168	ug/L 99
15) Methyl Acetate	2.97	43	17829	4.491	ug/L 99
16) Methylene chloride	3.06	84	34586	4.403	ug/L 96
17) Methyl tert-butyl Ether	3.38	73	92335	4.692	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	32829	4.748	ug/L 97
19) 1,1-Dichloroethane	3.89	63	65226	4.822	ug/L 99
21) 2-Butanone	4.73	43	130964	48.815	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	37665	4.859	ug/L 97

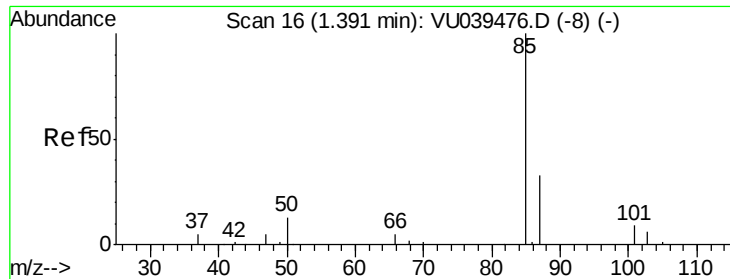
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071520\
 Data File : VU039495.D
 Acq On : 15 Jul 2020 09:02
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Quant Time: Jul 16 04:07:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 12:31:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	17380	4.935	ug/L	98
25) Chloroform	5.11	83	76525	5.602	ug/L	97
27) 1,2-Dichloroethane	5.81	62	51514	5.213	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	62213	5.073	ug/L	97
30) Cyclohexane	5.40	56	61987	4.801	ug/L	97
31) Carbon tetrachloride	5.54	117	52425	5.010	ug/L	97
33) Benzene	5.79	78	146017	4.690	ug/L	100
34) Trichloroethene	6.55	95	39044	4.851	ug/L	98
35) Methylcyclohexane	6.77	83	62149	4.820	ug/L	96
37) 1,2-Dichloropropane	6.80	63	40174	4.734	ug/L	98
38) Bromodichloromethane	7.11	83	51810	4.781	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	58969	4.597	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	330074	46.623	ug/L	97
42) Toluene	7.98	91	161536	4.846	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	55935	4.915	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	30249	4.962	ug/L	95
47) Tetrachloroethene	8.56	164	28578	5.105	ug/L	93
48) 2-Hexanone	8.69	43	246725	47.265	ug/L	99
49) Dibromochloromethane	8.82	129	36938	5.003	ug/L	100
50) 1,2-Dibromoethane	8.93	107	29488	4.762	ug/L	98
51) Chlorobenzene	9.45	112	102525	5.033	ug/L	98
52) Ethylbenzene	9.57	91	187563	5.091	ug/L	99
53) m,p-Xylene	9.70	106	67227	4.843	ug/L	98
54) o-Xylene	10.10	106	67418	4.989	ug/L	93
55) Styrene	10.11	104	115260	4.902	ug/L	95
56) Isopropylbenzene	10.48	105	182921	5.005	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	40197	4.738	ug/L	97
59) 1,2,3-Trichloropropane	10.83	75	29404	4.701	ug/L	99
61) Bromoform	10.29	173	21538	4.940	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	83099	5.126	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	80536	4.952	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	77218	4.751	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.99	75	7282	5.072	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	60854	5.016	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	48384	4.661	ug/L	97
69) Naphthalene	14.08	128	83838	4.013	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	42529	4.421	ug/L	95

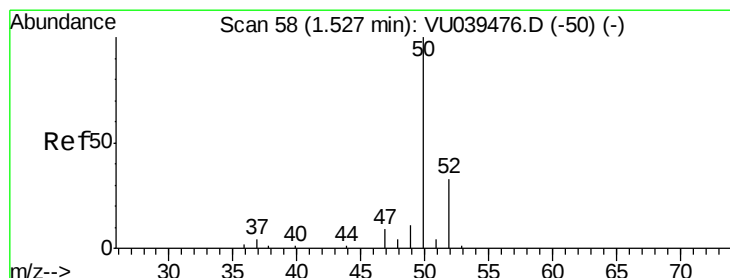
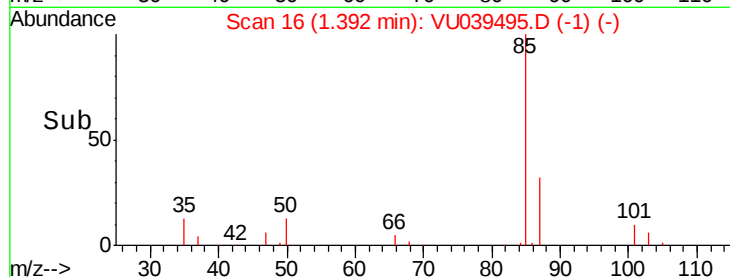
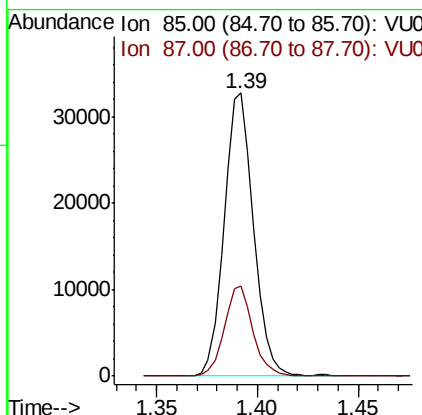
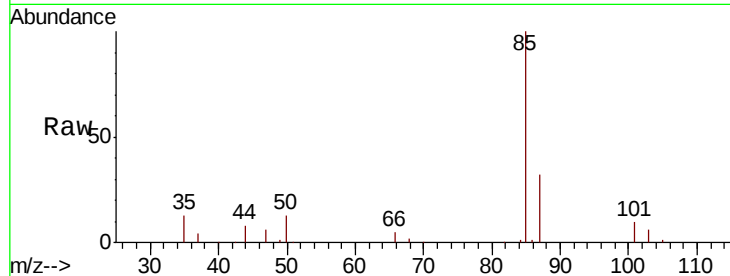
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.232 ug/L
 RT: 1.39 min Scan# 16
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

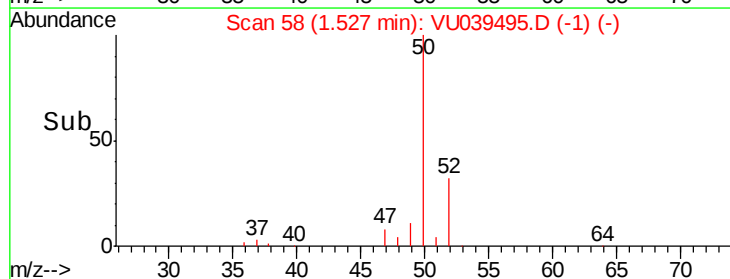
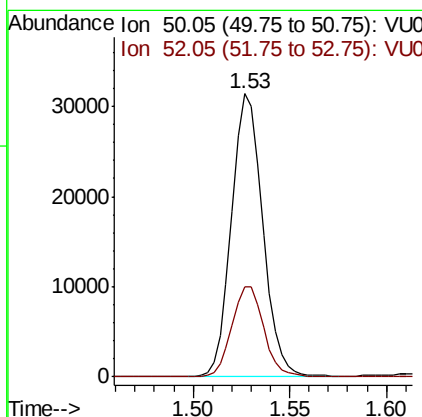
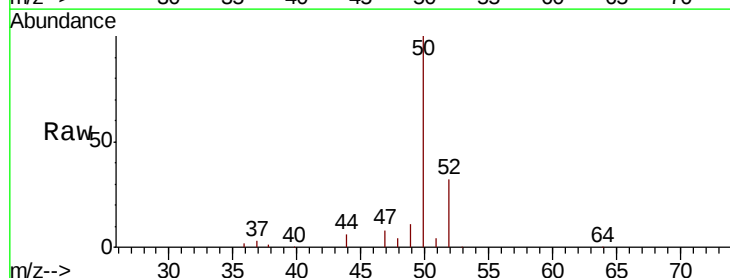
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

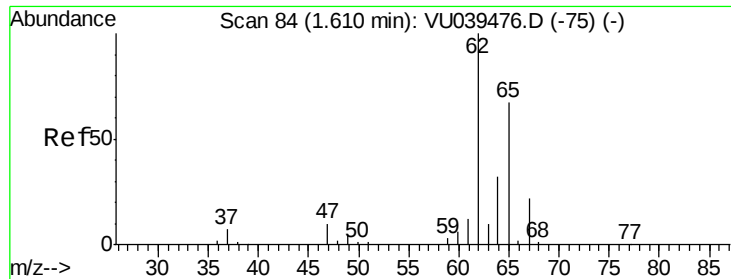
Tot Ion: 85 Resp: 33299
 Ion Ratio Lower Upper
 85 100
 87 30.7 25.2 37.8



#3
 Chloromethane
 Concen: 4.579 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

Tgt Ion: 50 Resp: 35306
 Ion Ratio Lower Upper
 50 100
 52 32.0 23.0 42.8





#5

Vinyl chloride

Concen: 4.301 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

Instrument :

MSVOA_U

ClientSampleId :

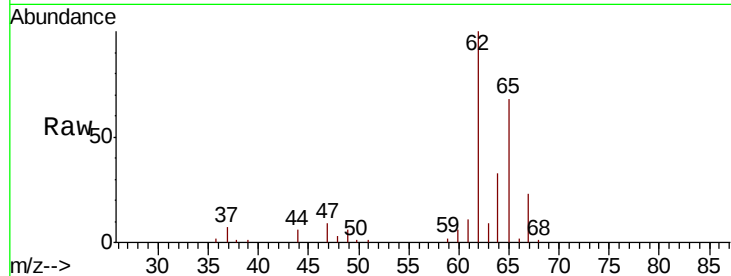
VSTD00521

Tot Ion: 62 Resp: 36826

Ion Ratio Lower Upper

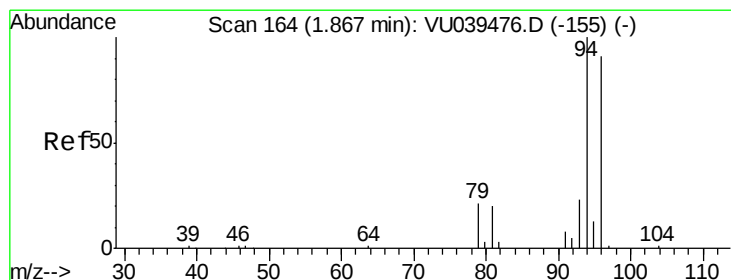
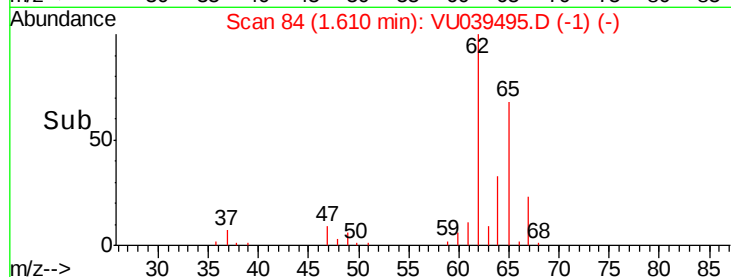
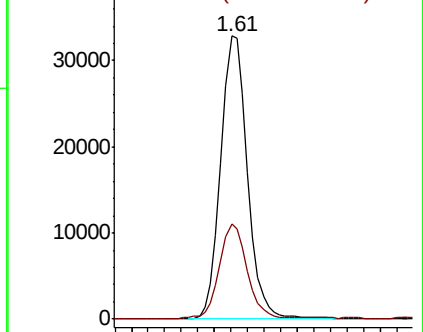
62 100

64 33.5 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.902 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039495.D

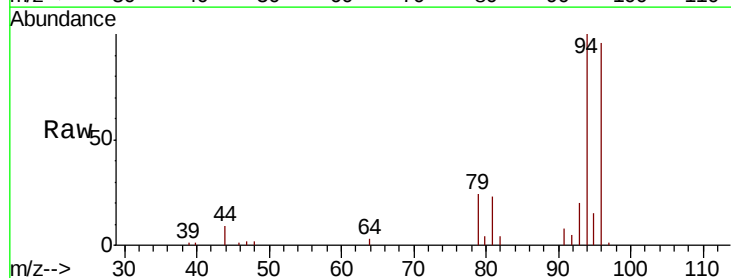
Acq: 15 Jul 2020 09:02

Tgt Ion: 94 Resp: 21765

Ion Ratio Lower Upper

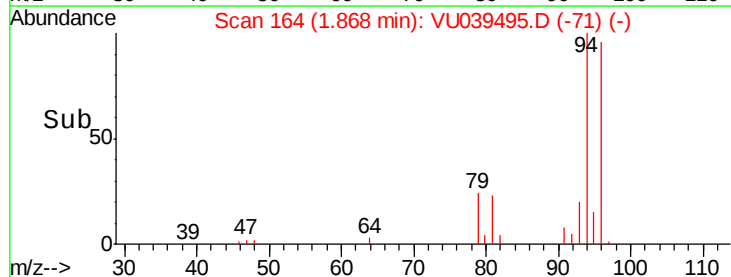
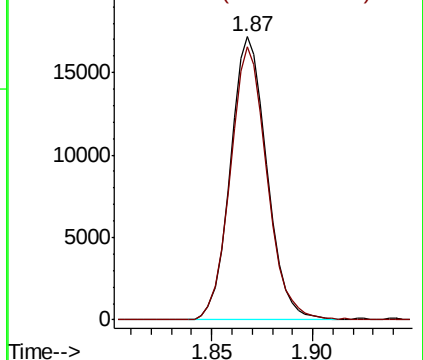
94 100

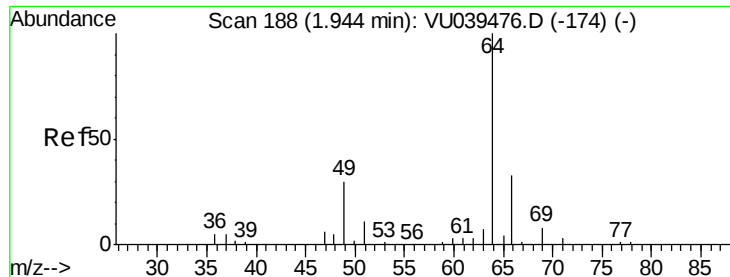
96 96.4 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

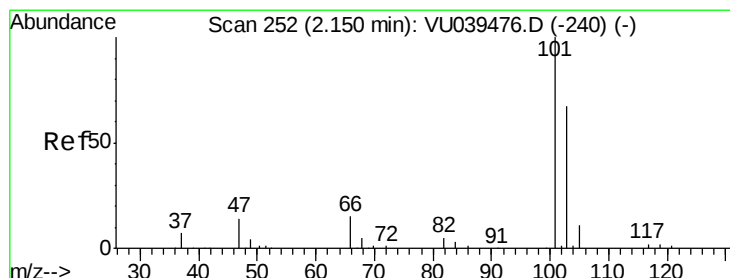
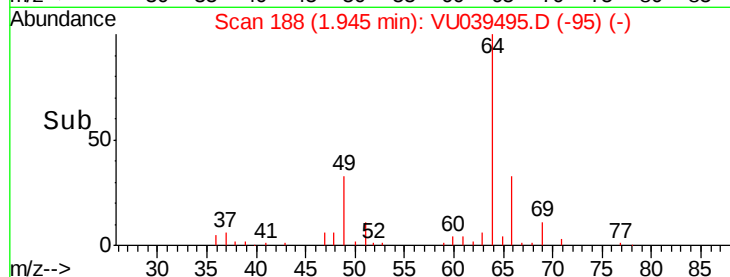
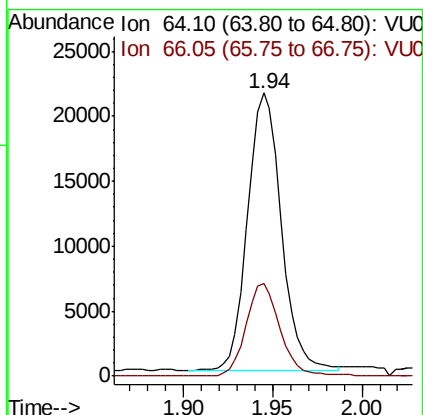
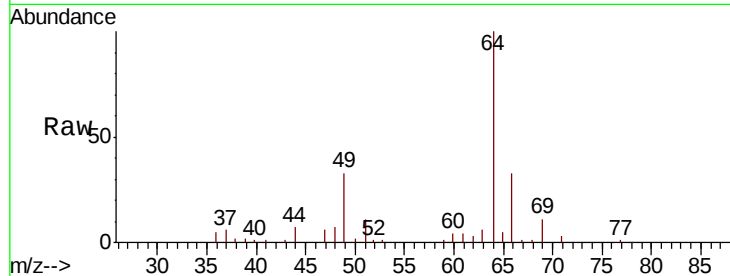




#8
Chloroethane
Concen: 4.574 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039495.D
Acq: 15 Jul 2020 09:02

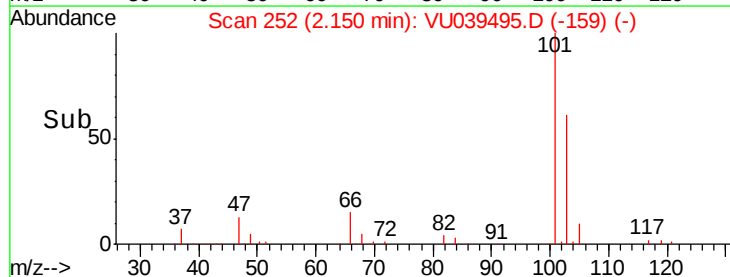
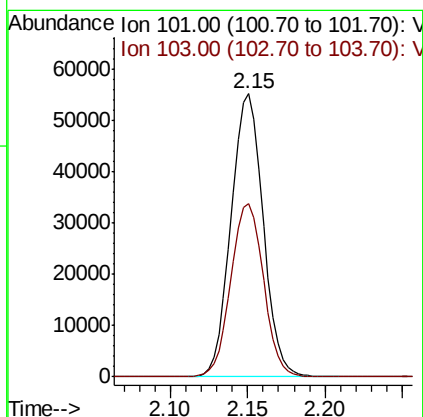
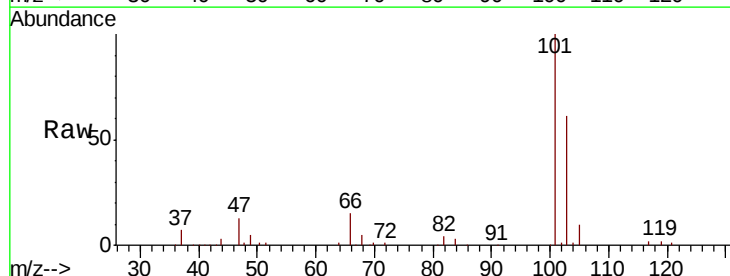
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

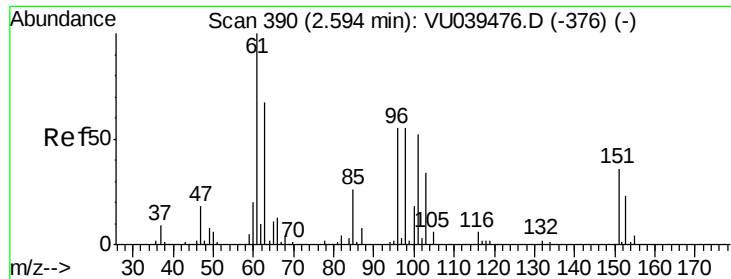
Tot Ion: 64 Resp: 28297
Ion Ratio Lower Upper
64 100
66 32.7 23.5 43.7



#9
Trichlorofluoromethane
Concen: 5.324 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU039495.D
Acq: 15 Jul 2020 09:02

Tgt Ion:101 Resp: 79156
Ion Ratio Lower Upper
101 100
103 62.7 50.6 76.0





#10

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

Concen: 5.170 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

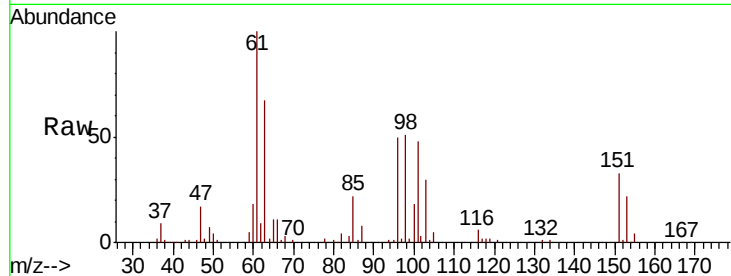
Tot Ion:101 Resp: 31545

Ion Ratio Lower Upper

101 100

85 47.8 38.9 58.3

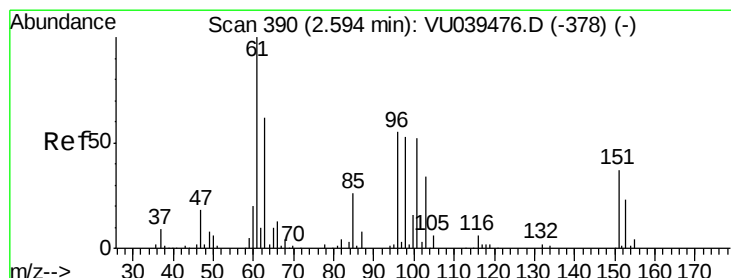
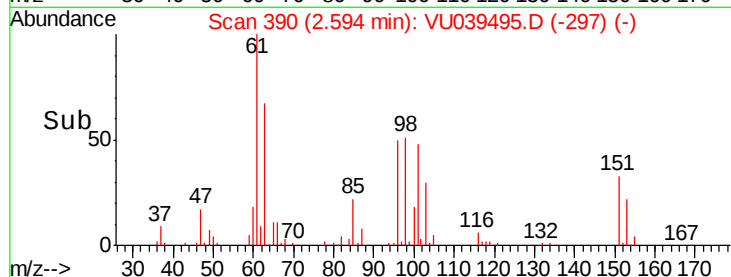
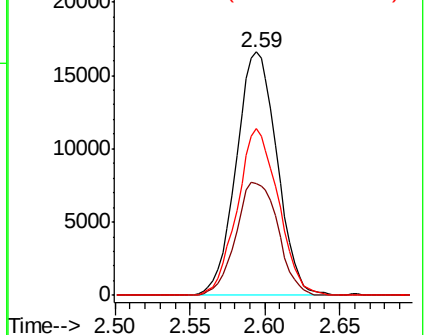
151 68.7 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.500 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

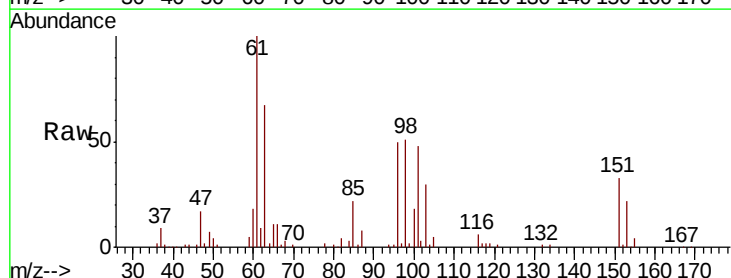
Tgt Ion: 96 Resp: 28104

Ion Ratio Lower Upper

96 100

61 198.1 125.4 232.8

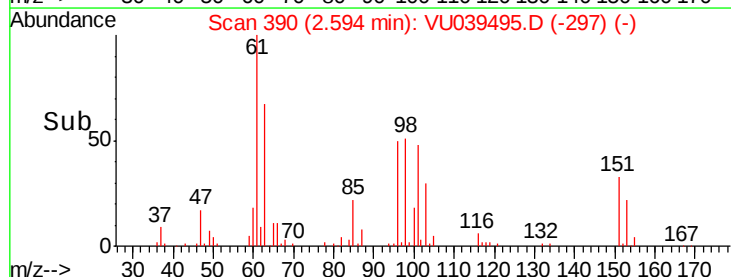
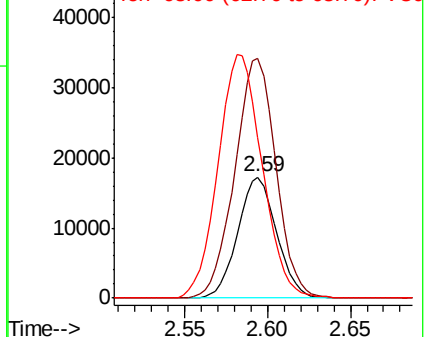
63 132.3 92.7 172.3

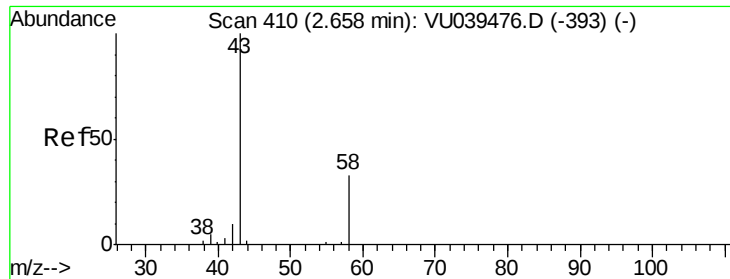


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.079 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

Instrument :

MSVOA_U

ClientSampled :

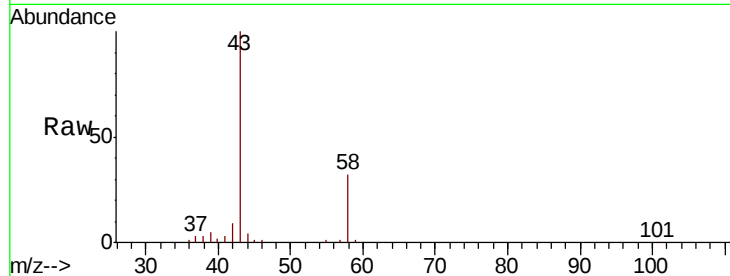
VSTD00521

Tot Ion: 43 Resp: 72269

Ion Ratio Lower Upper

43 100

58 31.0 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039476.D (-393) (-)

Ion 58.05 (57.75 to 58.75): VU039476.D (-393) (-)

2.66

20000

15000

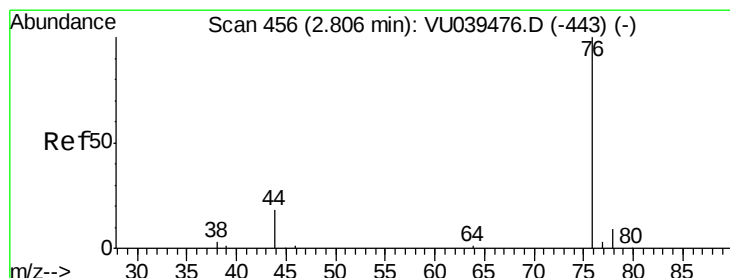
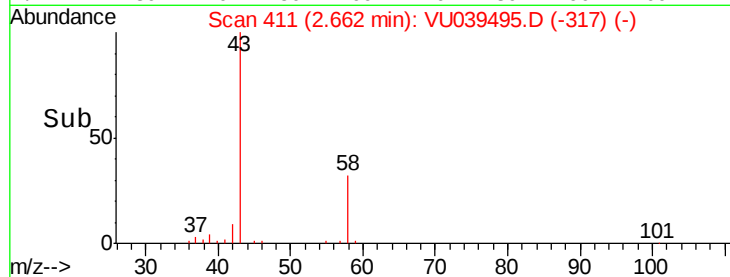
10000

5000

0

Time-->

2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 4.168 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039495.D

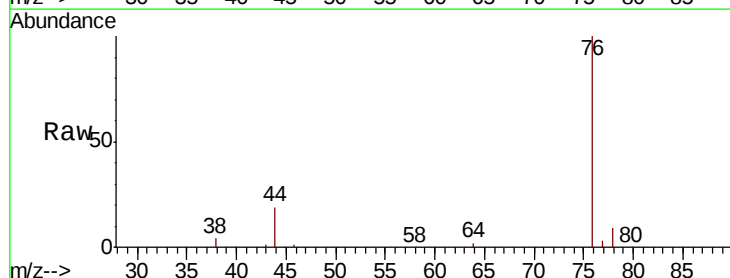
Acq: 15 Jul 2020 09:02

Tgt Ion: 76 Resp: 91704

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039476.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039476.D (-443) (-)

2.81

60000

50000

40000

30000

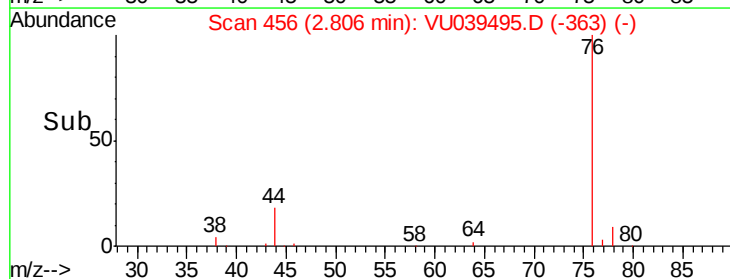
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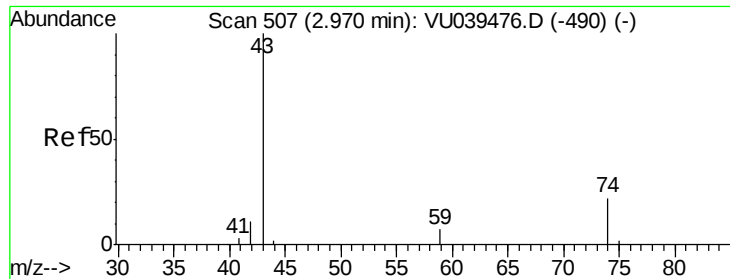
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Time-->

2.75 2.80 2.85

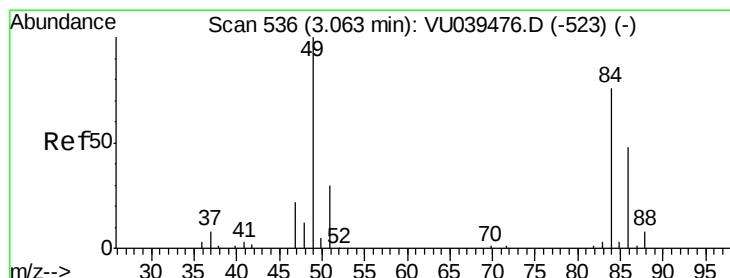
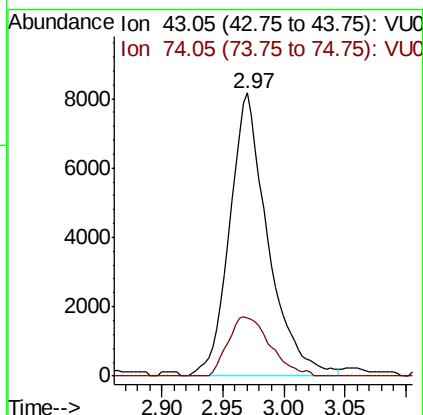
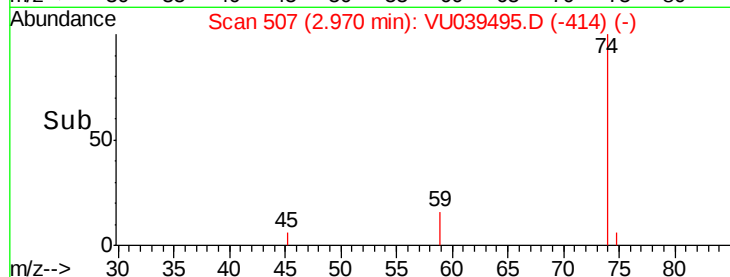
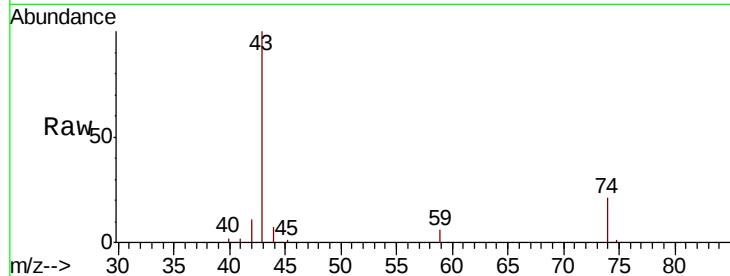




#15
Methvl Acetate
Concen: 4.491 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU039495.D
Acq: 15 Jul 2020 09:02

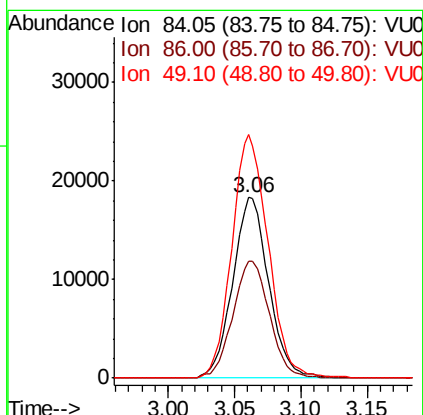
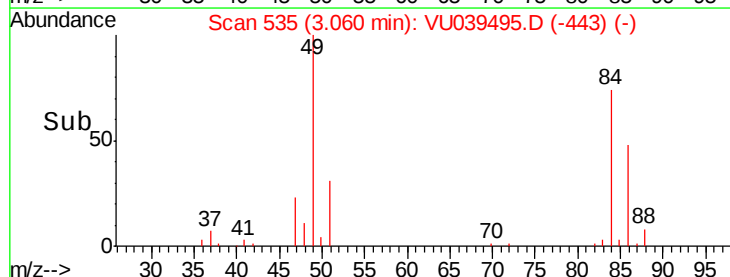
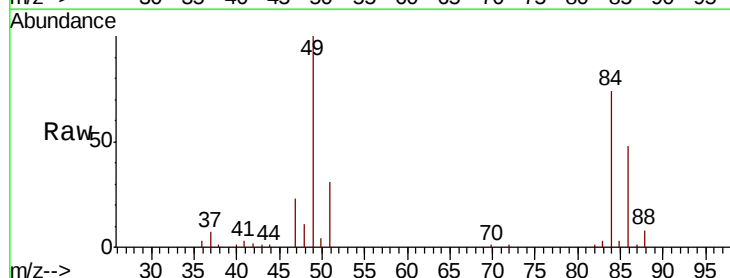
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

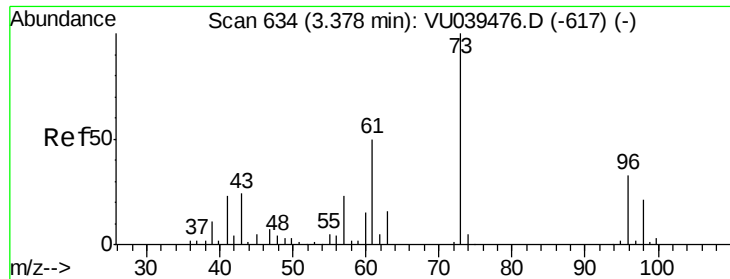
Tot Ion: 43 Resp: 17829
Ion Ratio Lower Upper
43 100
74 23.1 18.7 28.1



#16
Methylene chloride
Concen: 4.403 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039495.D
Acq: 15 Jul 2020 09:02

Tgt Ion: 84 Resp: 34586
Ion Ratio Lower Upper
84 100
86 65.1 43.5 80.9
49 134.9 91.1 169.1



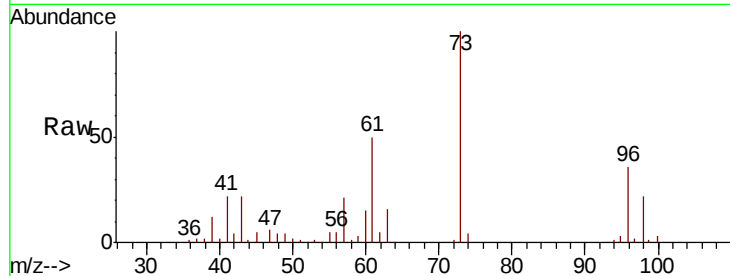


#17

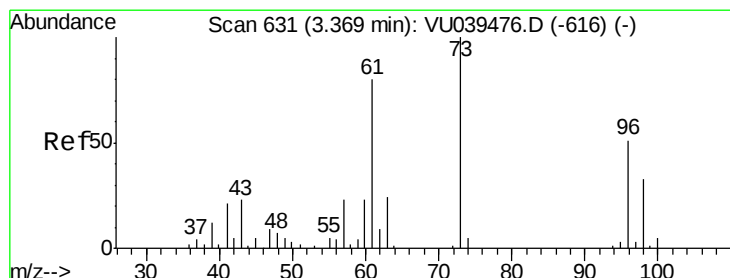
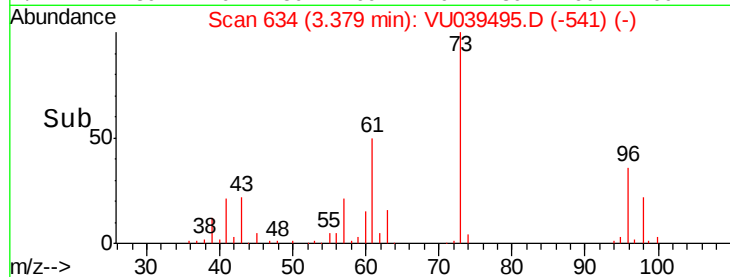
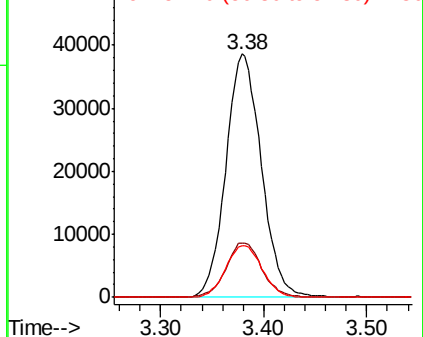
Methyl tert-butyl Ether
 Concen: 4.692 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion: 73 Resp: 92335
 Ion Ratio Lower Upper
 73 100
 43 22.8 18.6 28.0
 57 21.6 17.9 26.9



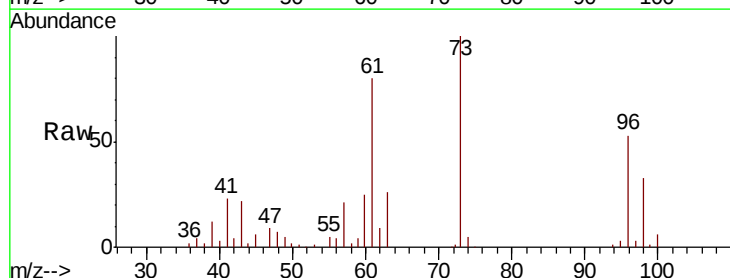
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



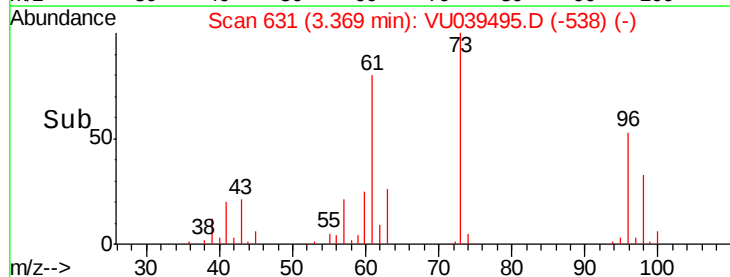
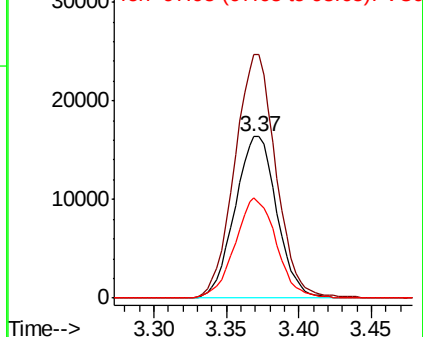
#18

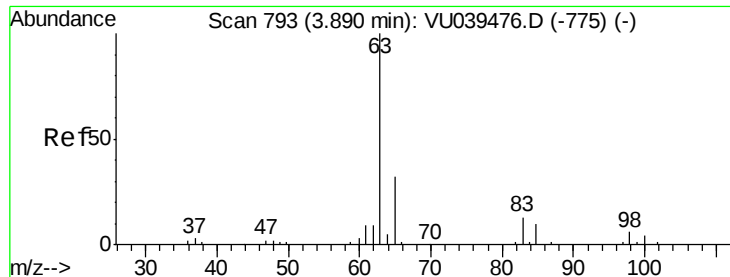
trans-1,2-Dichloroethene
 Concen: 4.748 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

Tgt Ion: 96 Resp: 32829
 Ion Ratio Lower Upper
 96 100
 61 150.8 102.1 189.5
 98 61.7 42.5 78.9



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

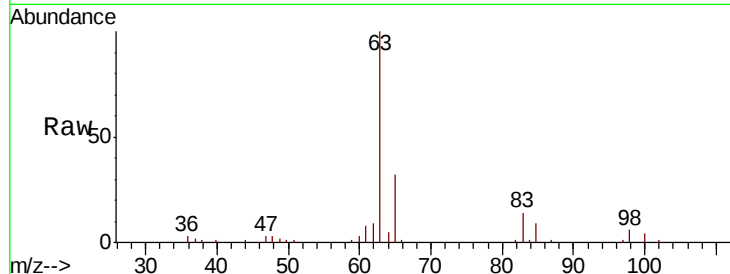




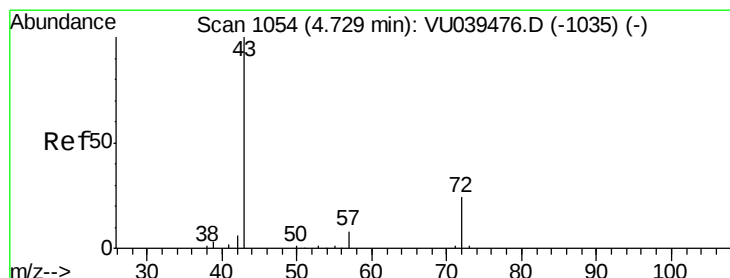
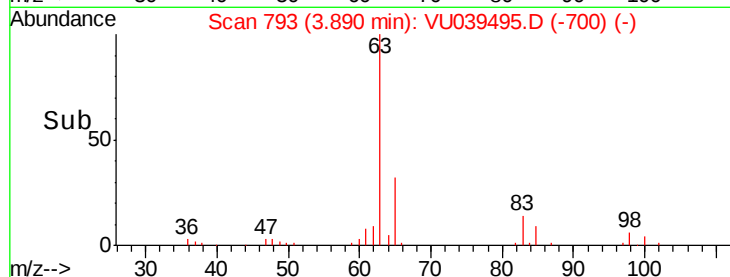
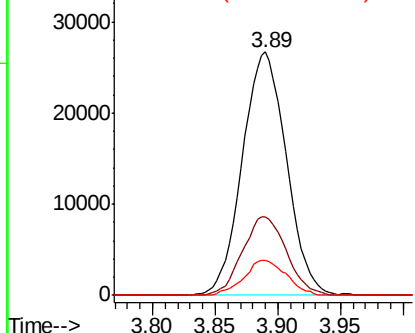
#19
 1,1-Dichloroethane
 Concen: 4.822 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion: 63 Resp: 65226
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.0 42.6
 83 14.1 9.6 17.8

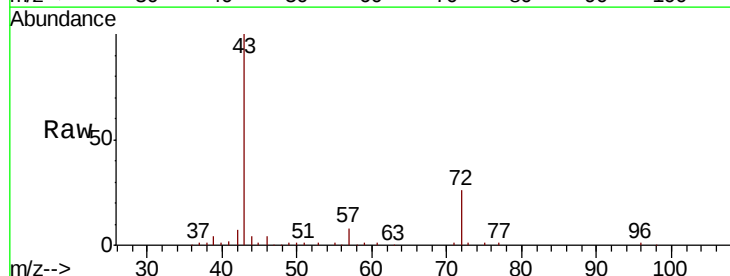


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

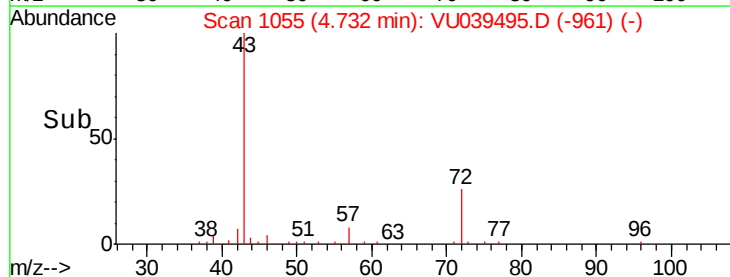
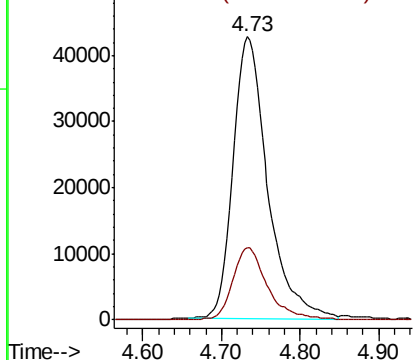


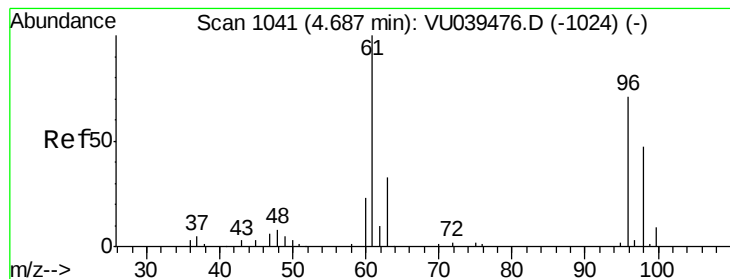
#21
 2-Butanone
 Concen: 48.815 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

Tgt Ion: 43 Resp: 130964
 Ion Ratio Lower Upper
 43 100
 72 25.9 13.2 39.5



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





#22

cis-1,2-Dichloroethene

Concen: 4.859 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

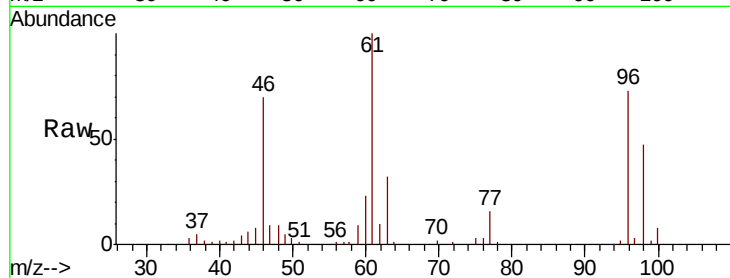
Tot Ion: 96 Resp: 37665

Ion Ratio Lower Upper

96 100

61 136.1 92.8 172.4

68 0.0 0.0 0.0

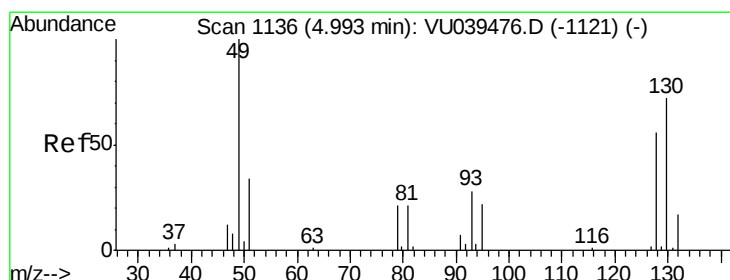
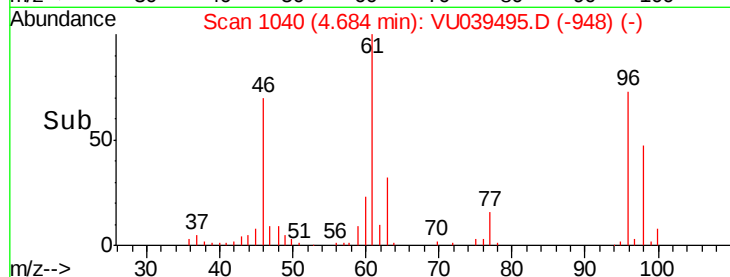
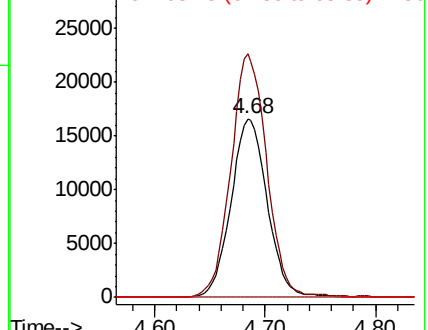


Abundance

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: 4.935 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

Tgt Ion:128 Resp: 17380

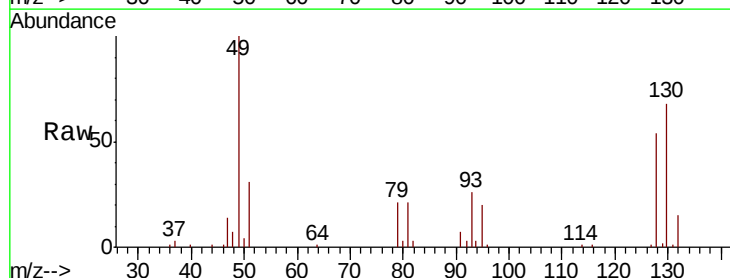
Ion Ratio Lower Upper

128 100

49 185.2 128.5 238.7

130 126.7 91.5 169.9

51 58.3 47.0 70.6



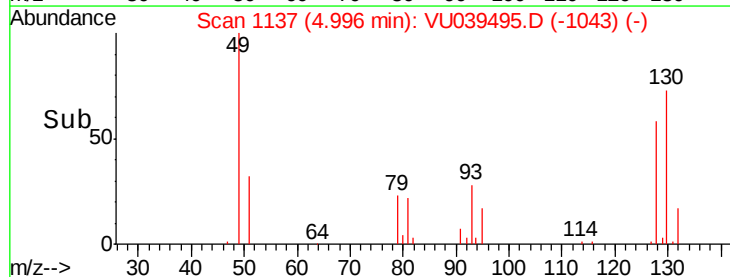
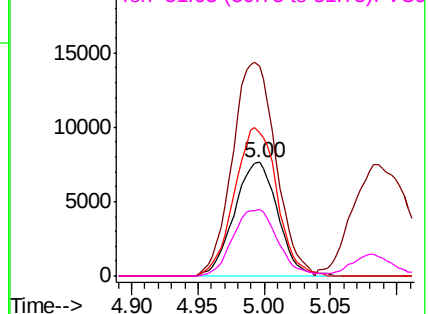
Abundance

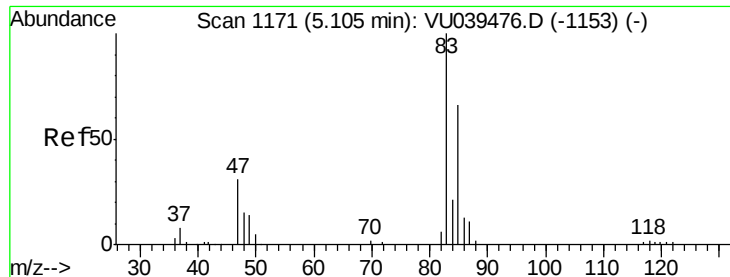
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

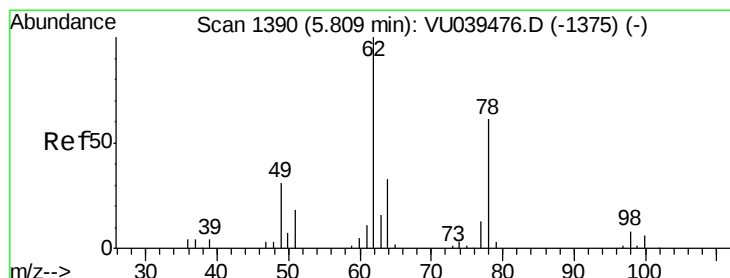
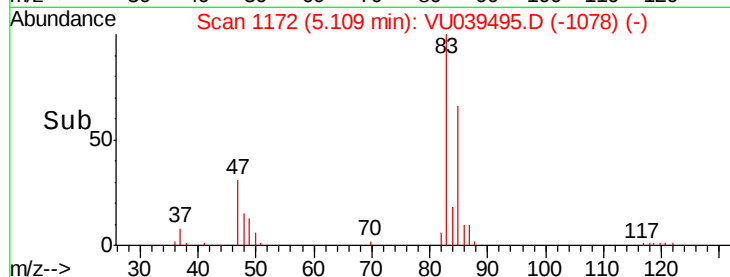
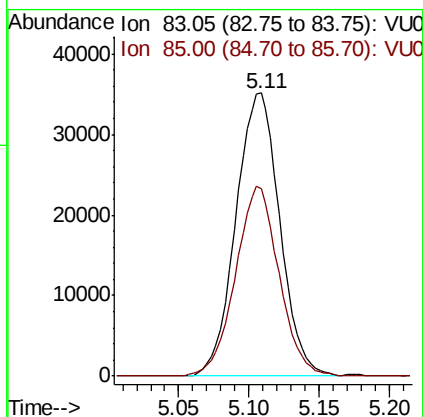
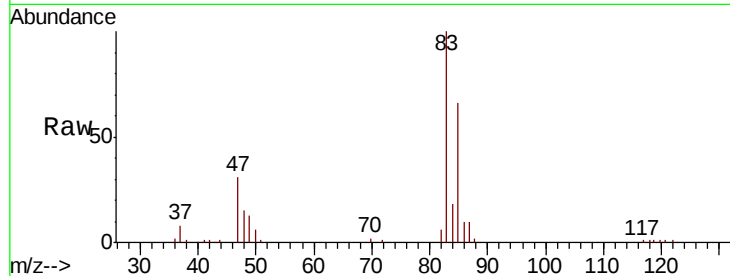




#25
Chloroform
Concen: 5.602 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039495.D
Acq: 15 Jul 2020 09:02

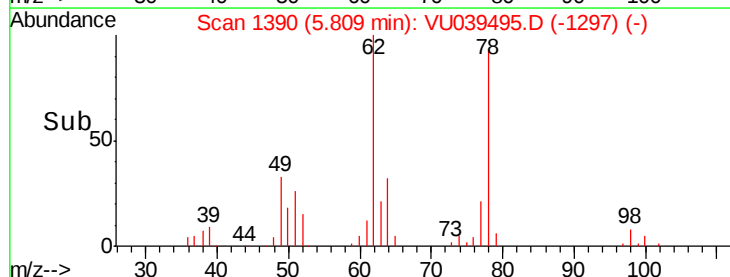
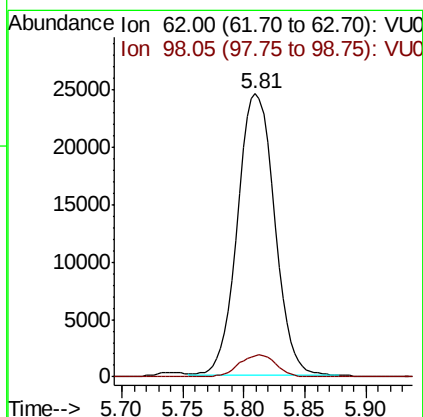
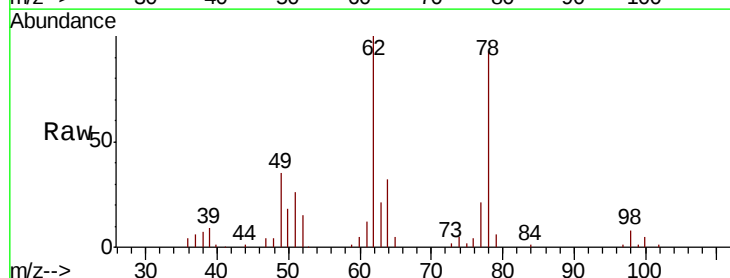
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

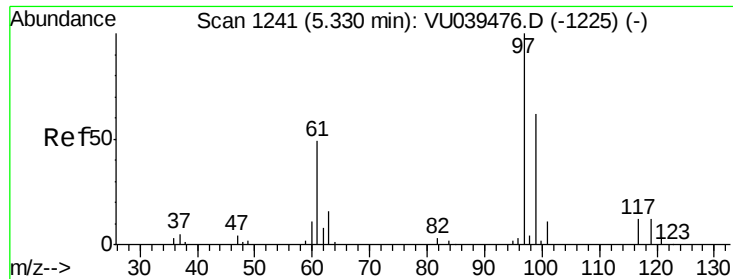
Tot Ion: 83 Resp: 76525
Ion Ratio Lower Upper
83 100
85 66.3 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.213 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU039495.D
Acq: 15 Jul 2020 09:02

Tgt Ion: 62 Resp: 51514
Ion Ratio Lower Upper
62 100
98 7.5 6.3 9.5

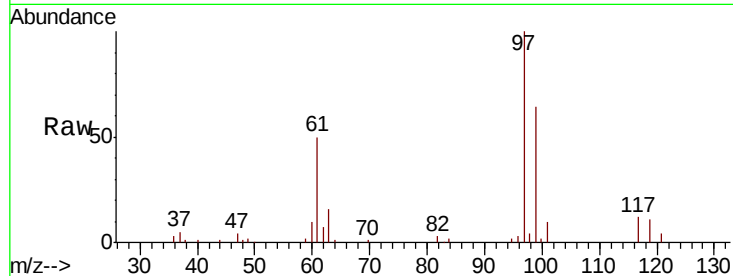




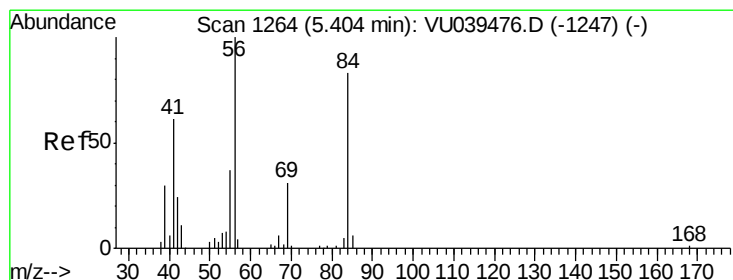
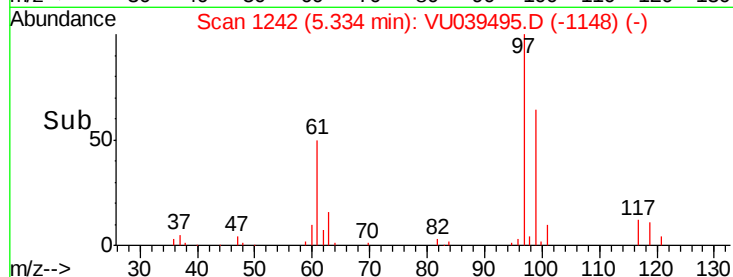
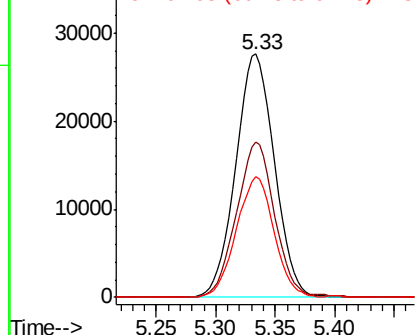
#29
1,1,1-Trichloroethane
Concen: 5.073 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU039495.D
Acq: 15 Jul 2020 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tot Ion: 97 Resp: 62213
Ion Ratio Lower Upper
97 100
99 63.0 52.6 79.0
61 48.4 37.9 56.9

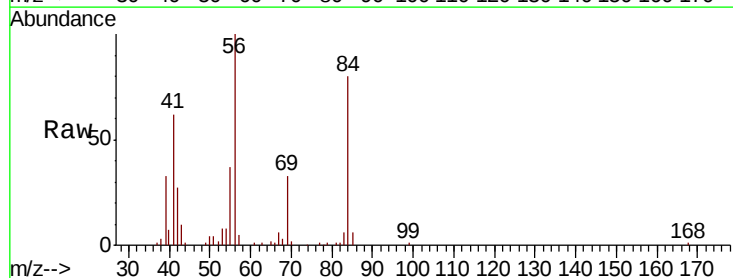


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

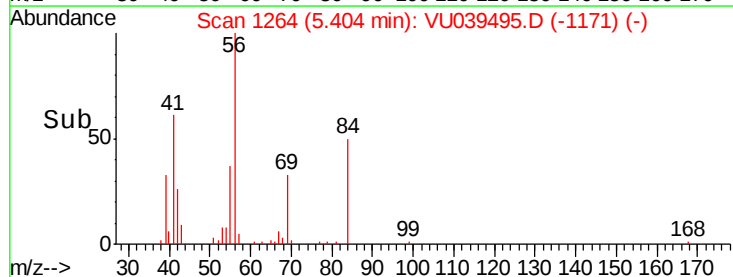
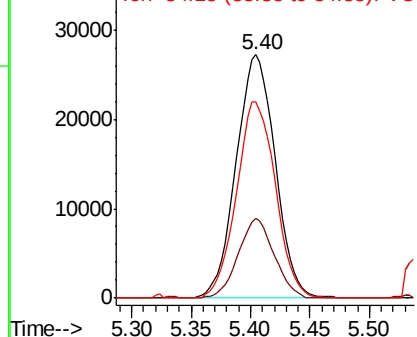


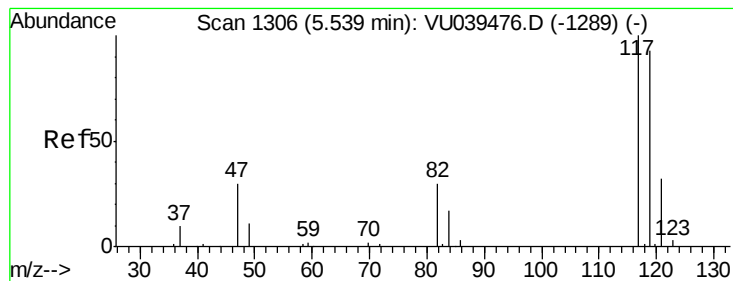
#30
Cyclohexane
Concen: 4.801 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU039495.D
Acq: 15 Jul 2020 09:02

Tgt Ion: 56 Resp: 61987
Ion Ratio Lower Upper
56 100
69 30.0 24.1 36.1
84 80.3 67.0 100.6



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





#31

Carbon tetrachloride

Concen: 5.010 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

Instrument :

MSVOA_U

ClientSampleId :

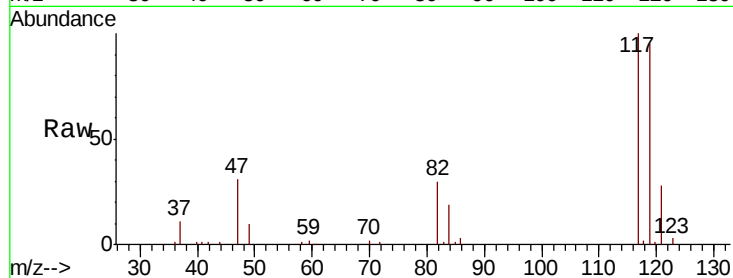
VSTD00521

Tot Ion:117 Resp: 52425

Ion Ratio Lower Upper

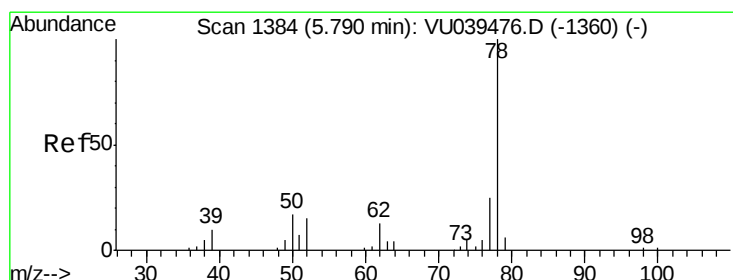
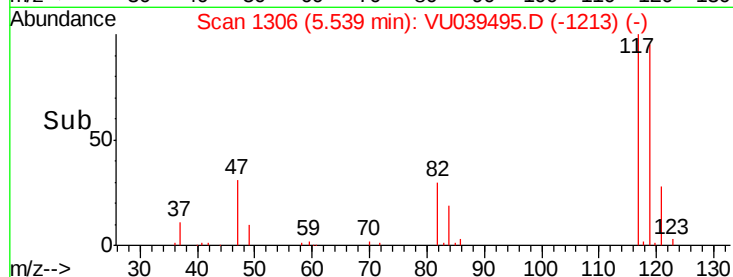
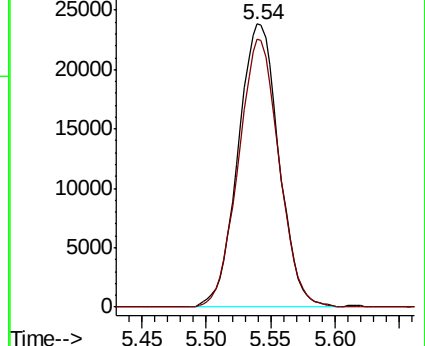
117 100

119 94.2 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.690 ug/L

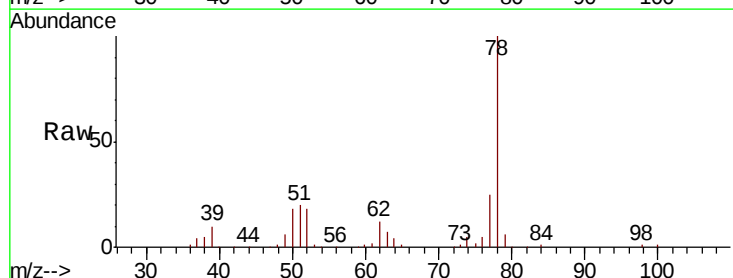
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

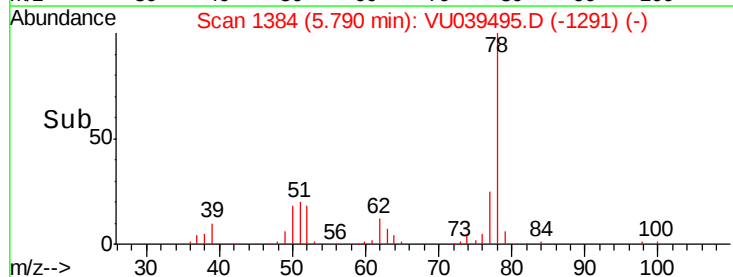
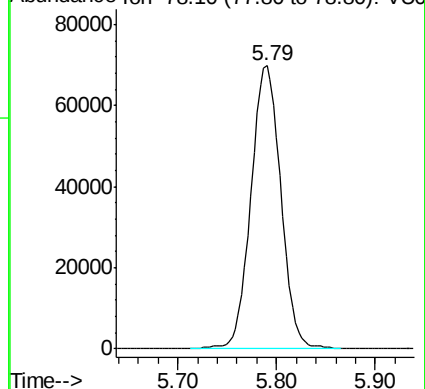
Lab File: VU039495.D

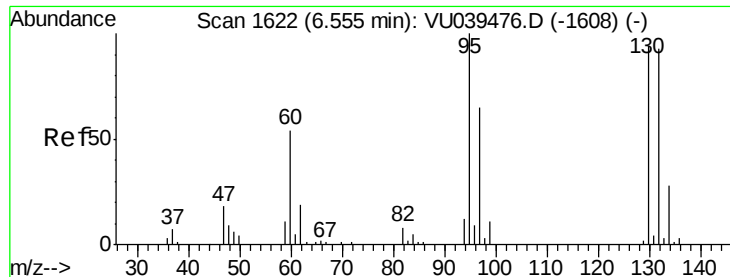
Acq: 15 Jul 2020 09:02

Tgt Ion: 78 Resp: 146017



Abundance Ion 78.10 (77.80 to 78.80): VU0

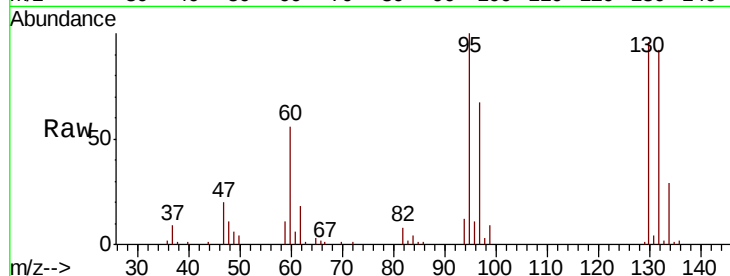




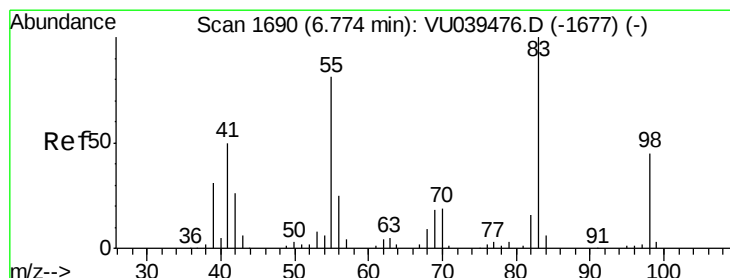
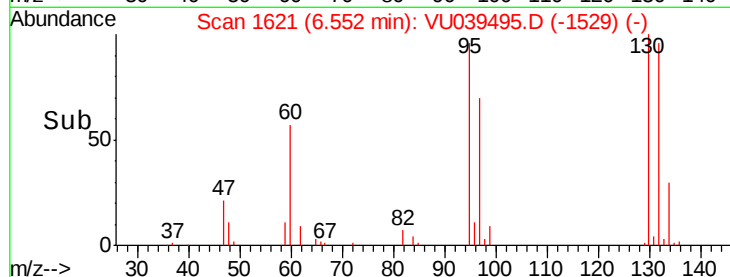
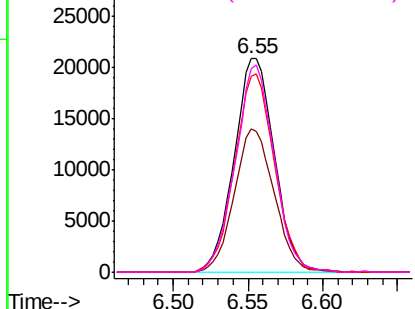
#34
 Trichloroethene
 Concen: 4.851 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion: 95 Resp: 39044
 Ion Ratio Lower Upper
 95 100
 97 66.9 46.3 85.9
 132 91.7 64.0 118.8
 130 95.6 64.3 119.5

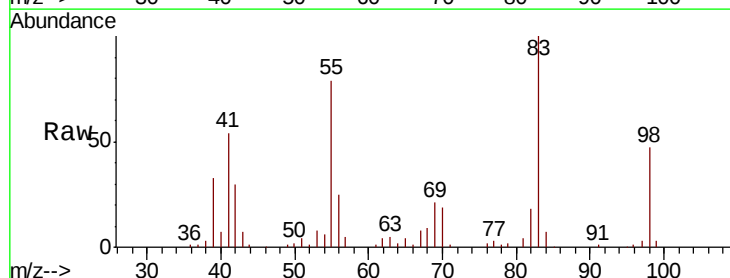


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

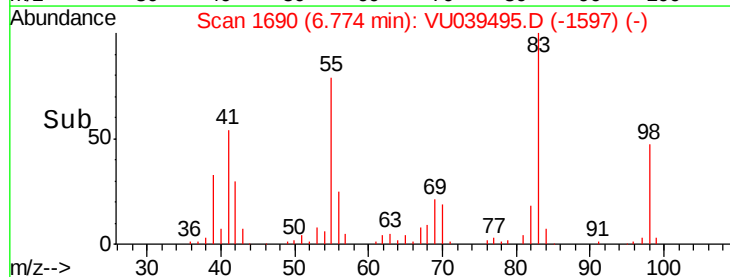
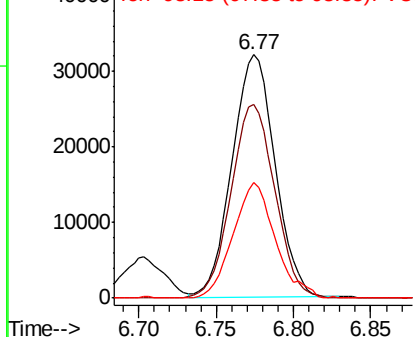


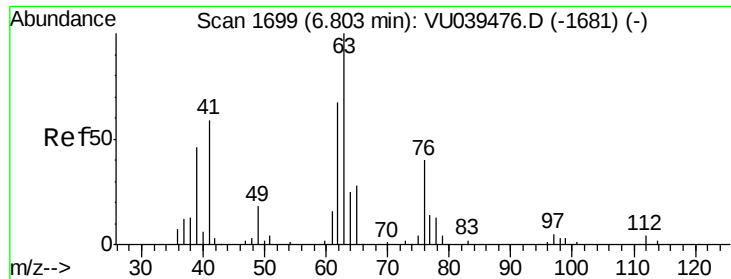
#35
 Methylcyclohexane
 Concen: 4.820 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

Tgt Ion: 83 Resp: 62149
 Ion Ratio Lower Upper
 83 100
 55 81.2 62.1 93.1
 98 46.6 35.9 53.9



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

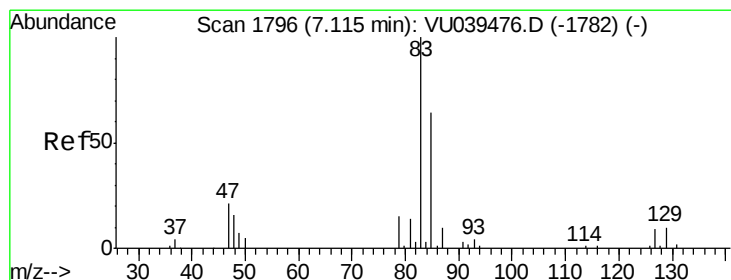
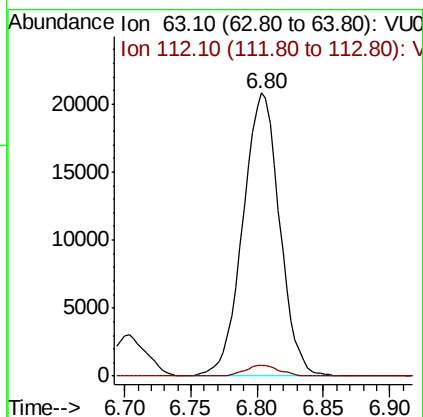
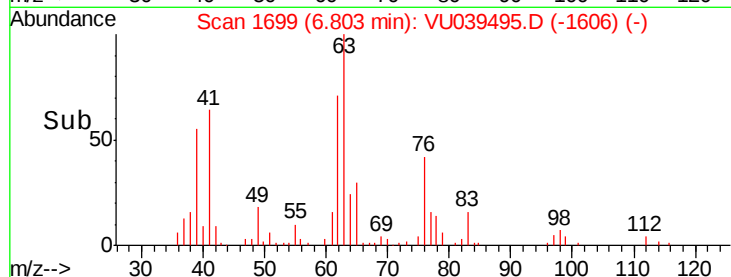
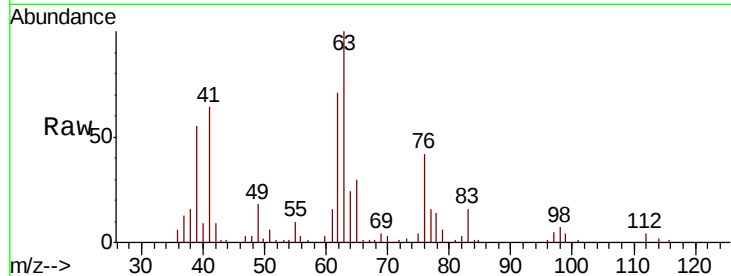




#37
 1,2-Dichloropropane
 Concen: 4.734 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

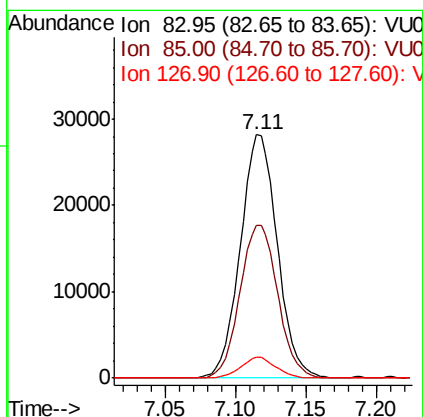
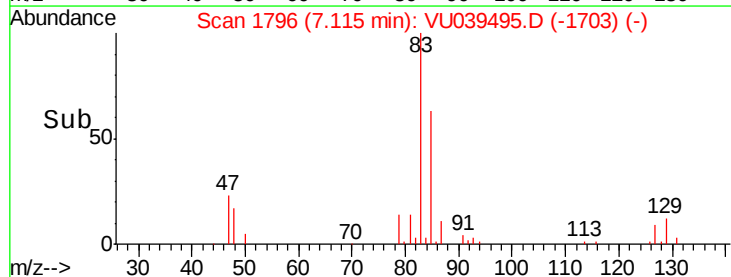
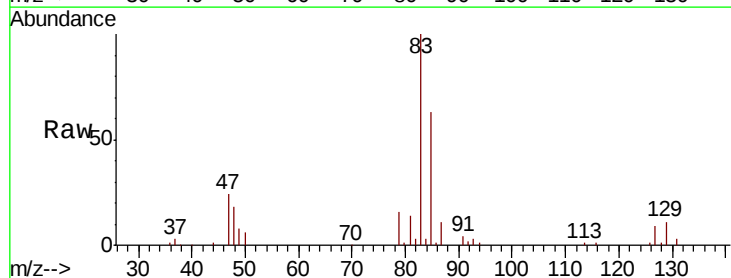
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

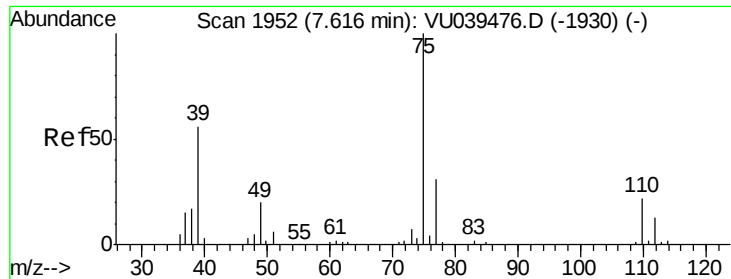
Tot Ion: 63 Resp: 40174
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.781 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

Tgt Ion: 83 Resp: 51810
 Ion Ratio Lower Upper
 83 100
 85 62.6 44.0 81.6
 127 8.6 6.2 9.4

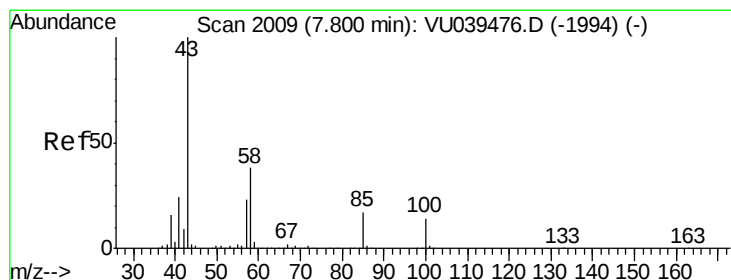
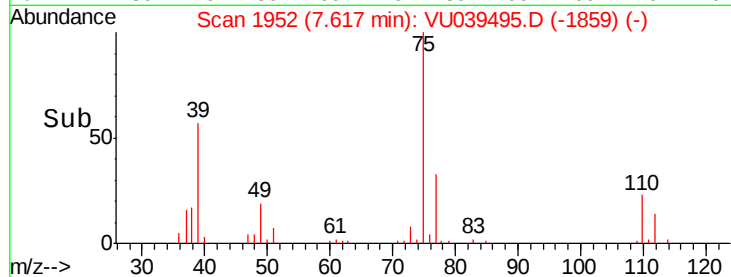
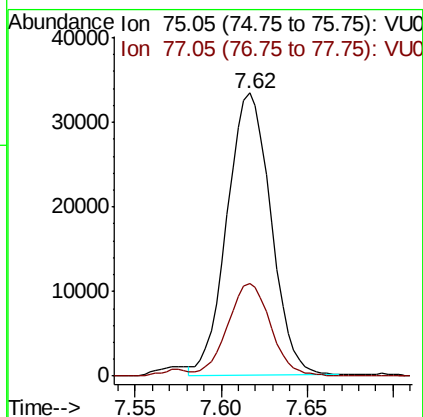
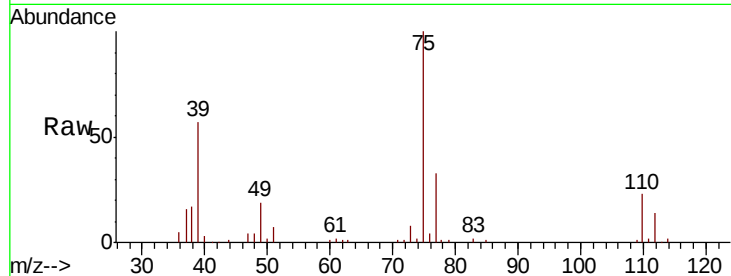




#39
 cis-1,3-Dichloropropene
 Concen: 4.597 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

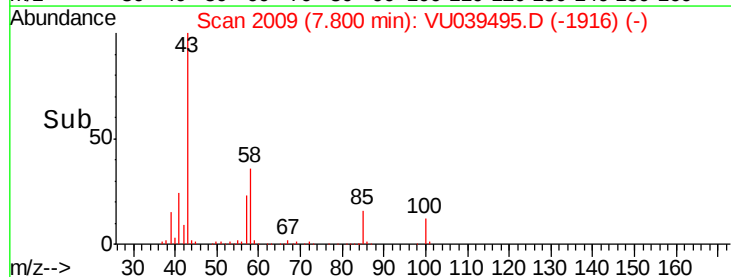
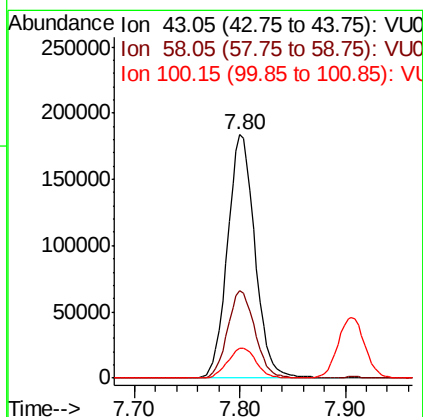
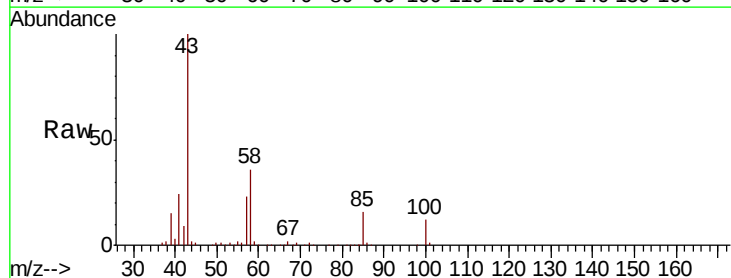
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

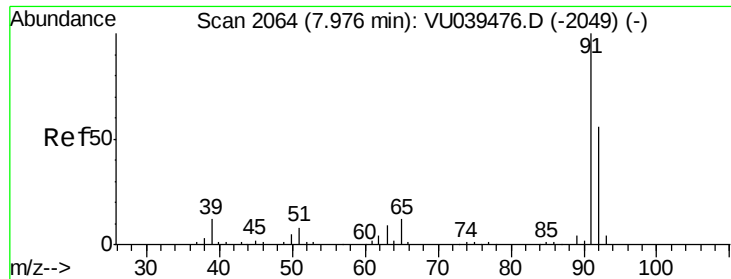
Tot Ion: 75 Resp: 58969
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 46.623 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

Tgt Ion: 43 Resp: 330074
 Ion Ratio Lower Upper
 43 100
 58 36.0 30.5 45.7
 100 12.7 10.3 15.5





#42

Toluene

Concen: 4.846 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

Instrument :

MSVOA_U

ClientSampleId :

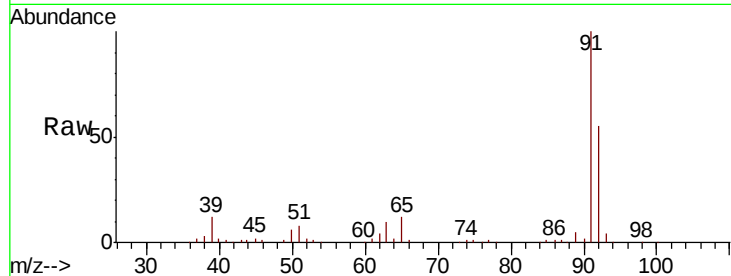
VSTD00521

Tot Ion: 91 Resp: 161536

Ion Ratio Lower Upper

91 100

92 55.2 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039476.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039476.D (-2049) (-)

7.98

100000

80000

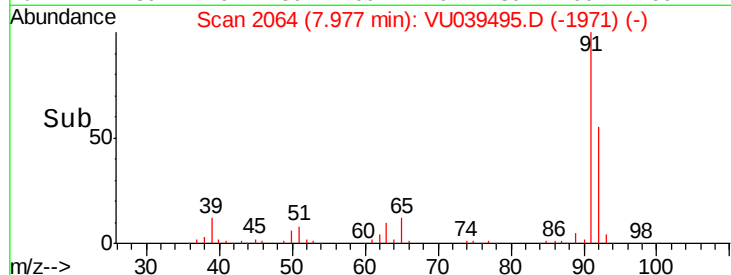
60000

40000

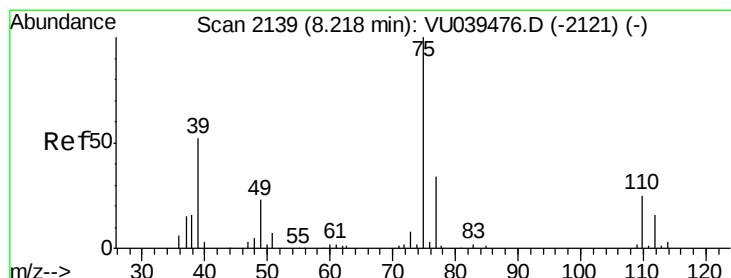
20000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.915 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039495.D

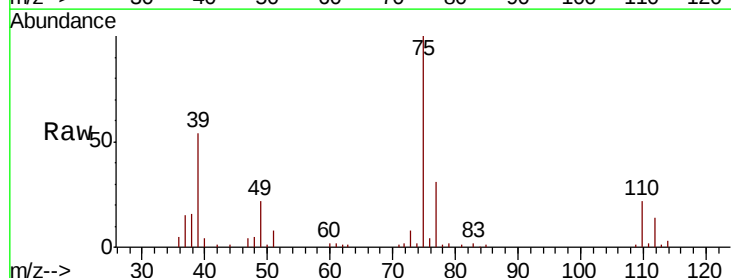
Acq: 15 Jul 2020 09:02

Tgt Ion: 75 Resp: 55935

Ion Ratio Lower Upper

75 100

77 31.4 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039476.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039476.D (-2121) (-)

8.22

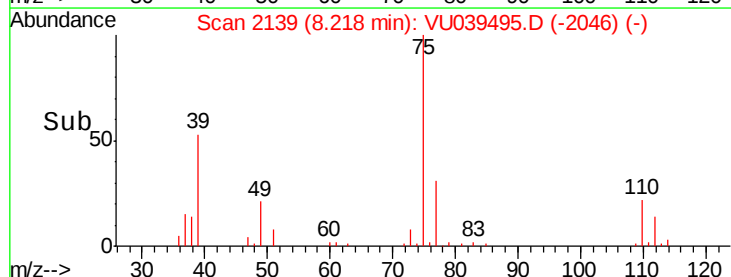
30000

20000

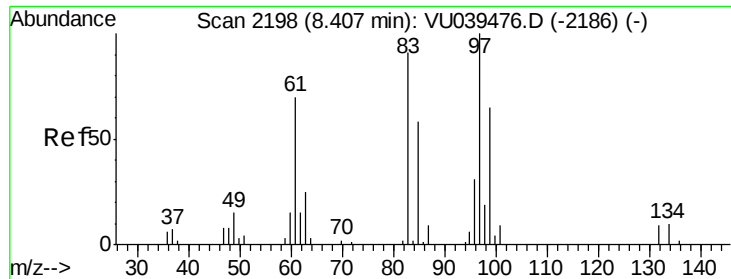
10000

0

Time-->



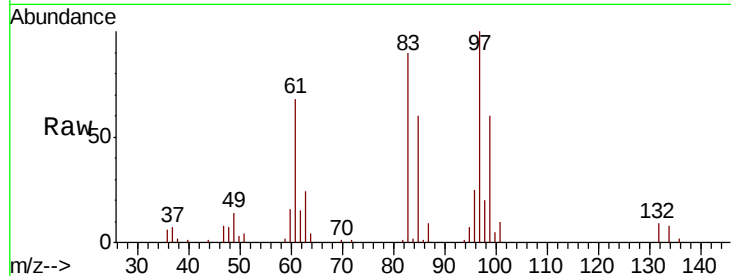
Time-->



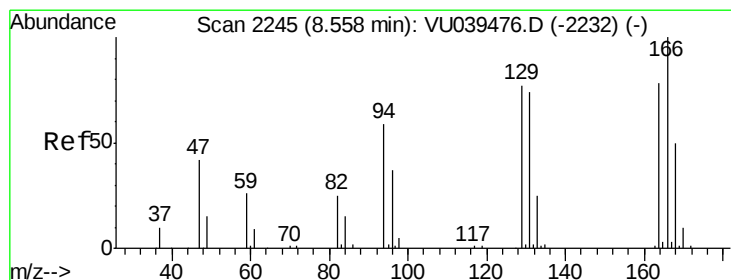
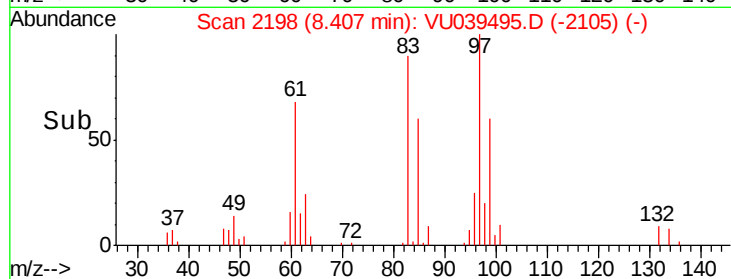
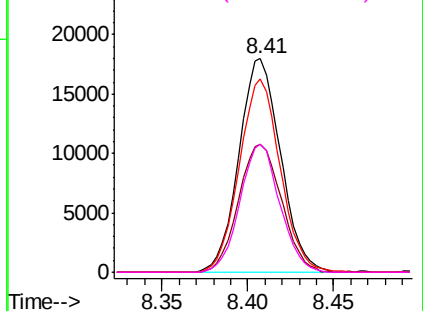
#45
 1,1,2-Trichloroethane
 Concen: 4.962 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion:	97	Resp:	30249
Ion	Ratio	Lower	Upper
97	100		
99	60.1	40.7	75.7
83	90.3	60.6	112.6
85	60.2	38.3	71.1

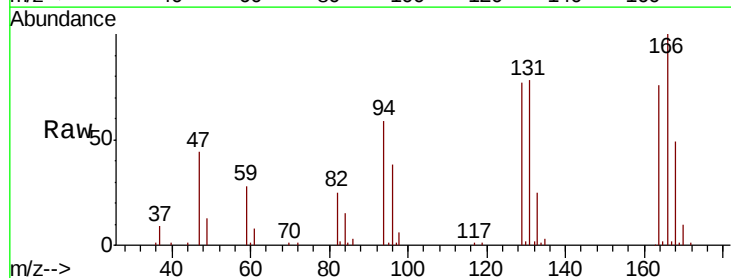


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

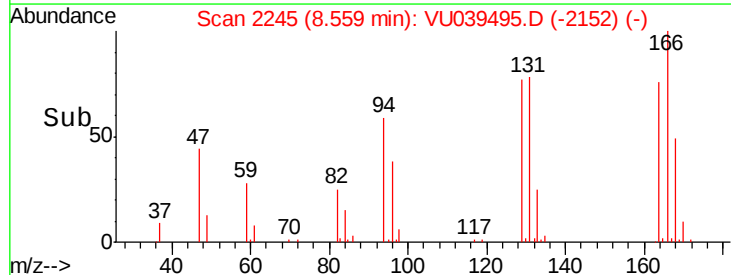
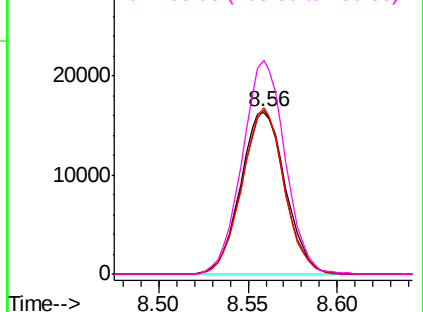


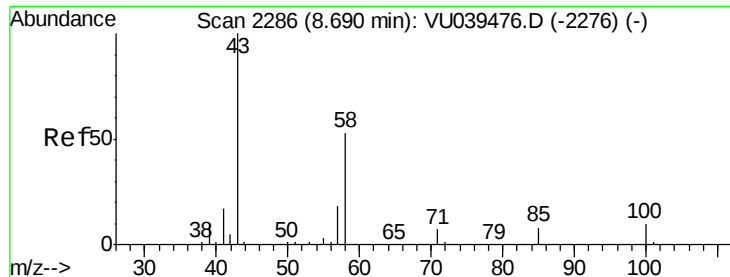
#47
 Tetrachloroethene
 Concen: 5.105 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

Tgt Ion:	164	Resp:	28578
Ion	Ratio	Lower	Upper
164	100		
129	101.4	68.6	127.4
131	102.6	66.4	123.4
166	132.1	85.9	159.5



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

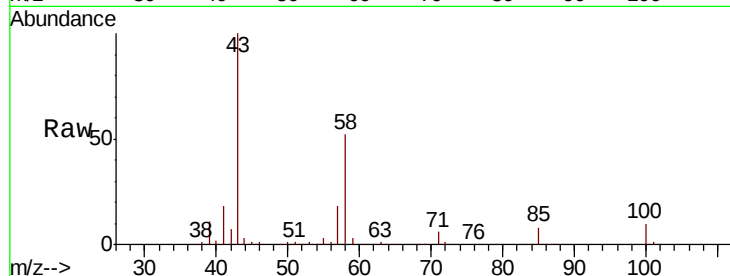




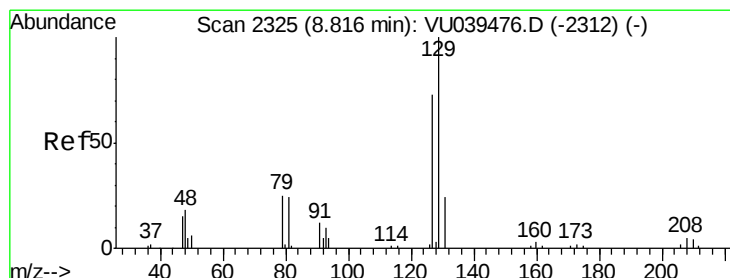
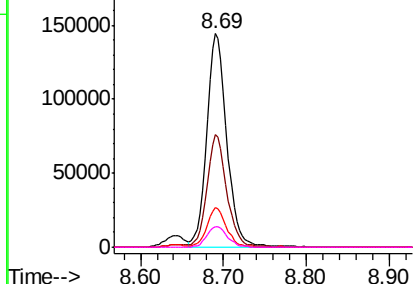
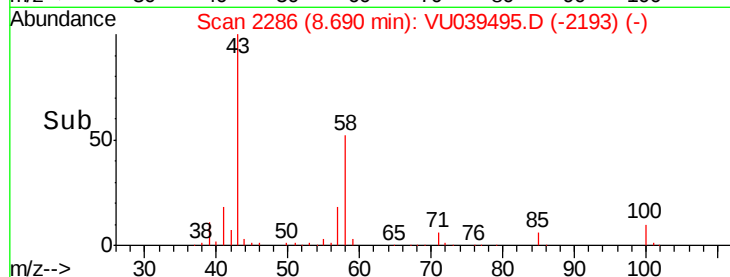
#48
2-Hexanone
Concen: 47.265 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU039495.D
Acq: 15 Jul 2020 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tot Ion: 43 Resp: 246725
Ion Ratio Lower Upper
43 100
58 51.2 42.0 63.0
57 17.8 14.0 21.0
100 10.0 8.2 12.2

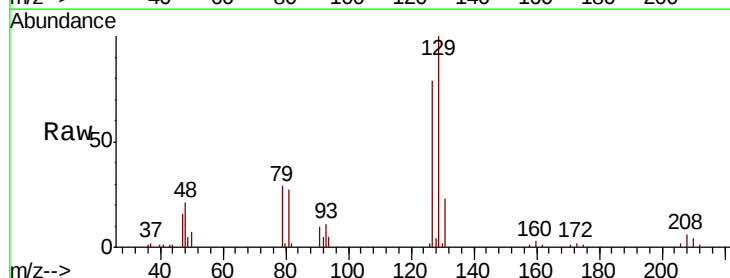


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

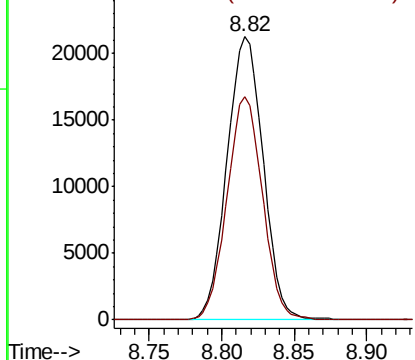
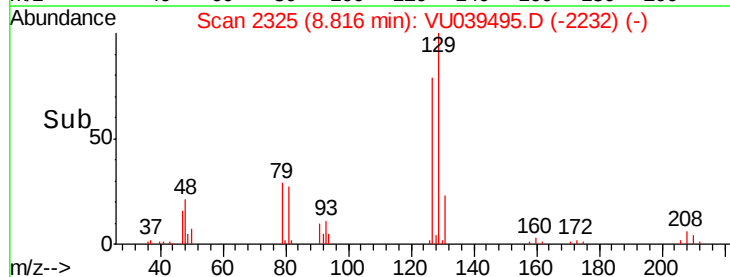


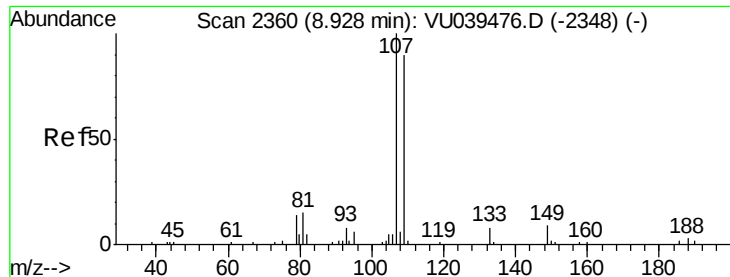
#49
Dibromochloromethane
Concen: 5.003 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039495.D
Acq: 15 Jul 2020 09:02

Tgt Ion: 129 Resp: 36938
Ion Ratio Lower Upper
129 100
127 79.0 55.4 102.8



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

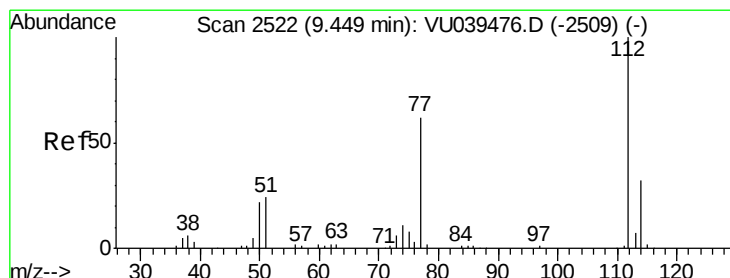
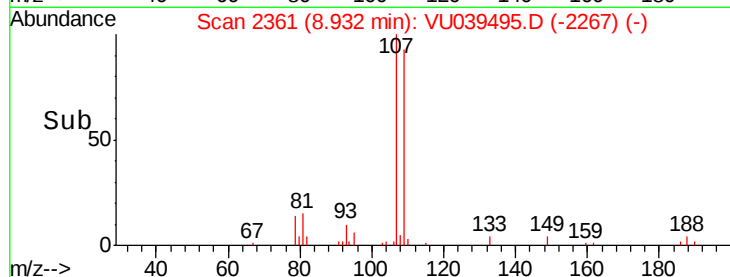
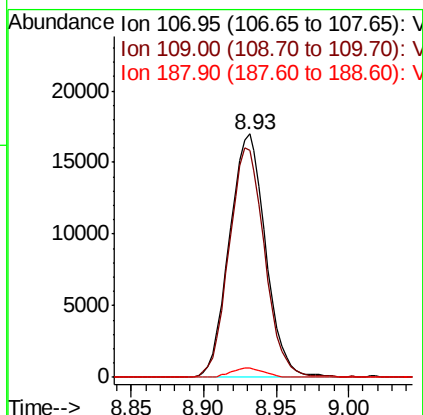
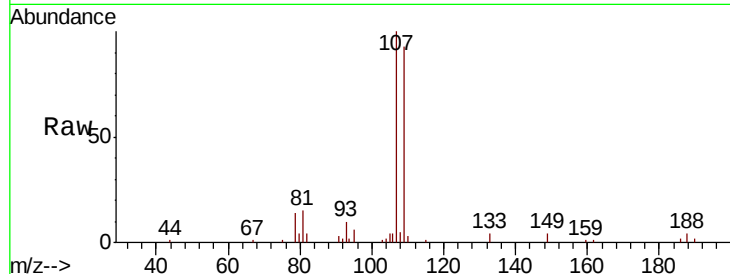




#50
 1,2-Dibromoethane
 Concen: 4.762 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

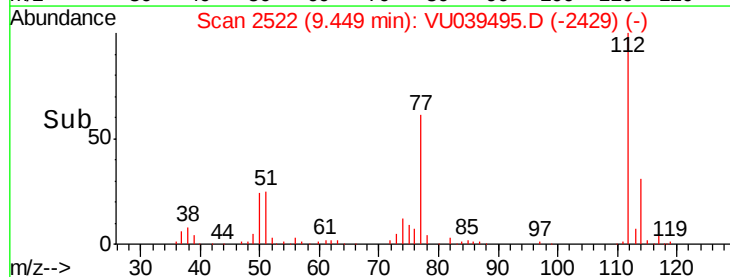
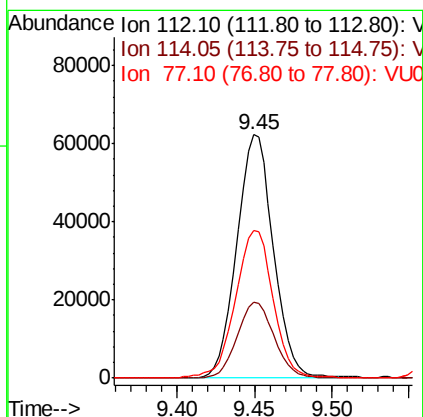
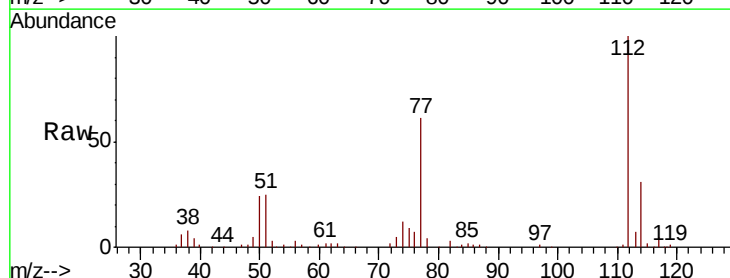
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

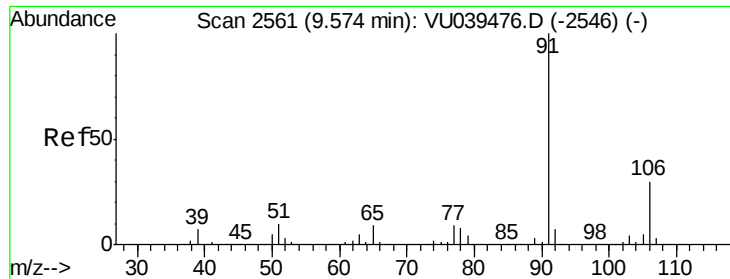
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	64.0	118.8
188	3.7	2.6	3.8



#51
 Chlorobenzene
 Concen: 5.033 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.1	41.1
77	60.8	49.9	74.9





#52

Ethylbenzene

Concen: 5.091 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

Instrument :

MSVOA_U

ClientSampleId :

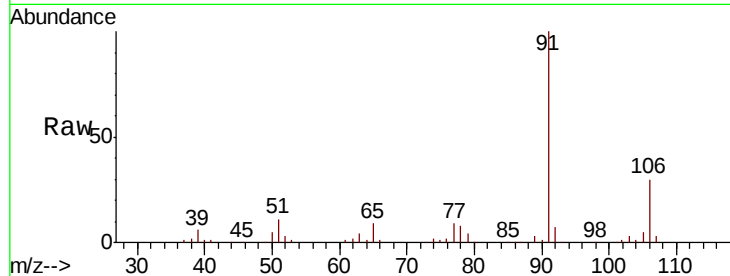
VSTD00521

Tot Ion: 91 Resp: 187563

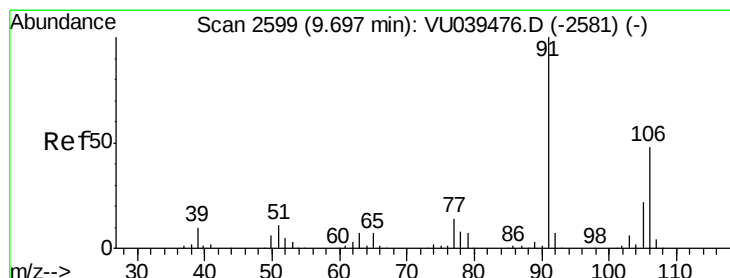
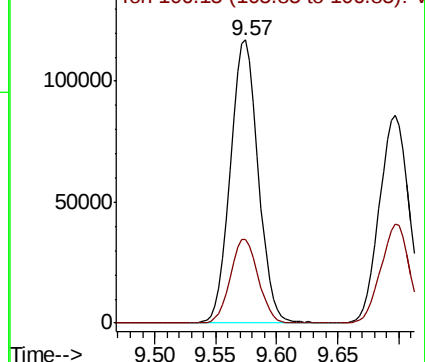
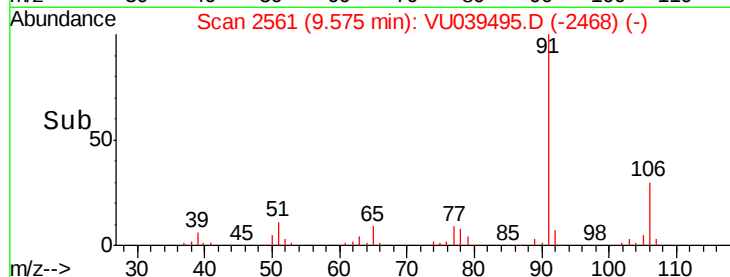
Ion Ratio Lower Upper

91 100

106 29.8 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039495.D (-2468) (-)



#53

m,p-Xylene

Concen: 4.843 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039495.D

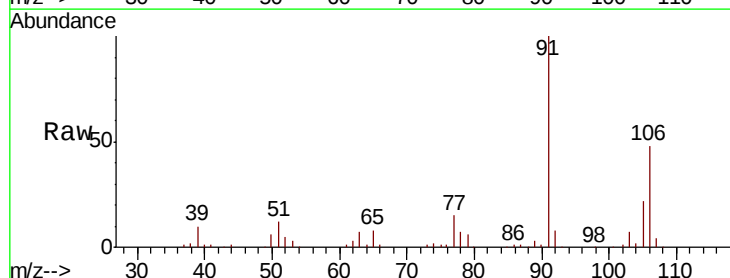
Acq: 15 Jul 2020 09:02

Tgt Ion: 106 Resp: 67227

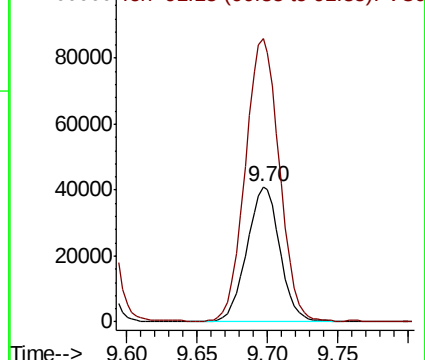
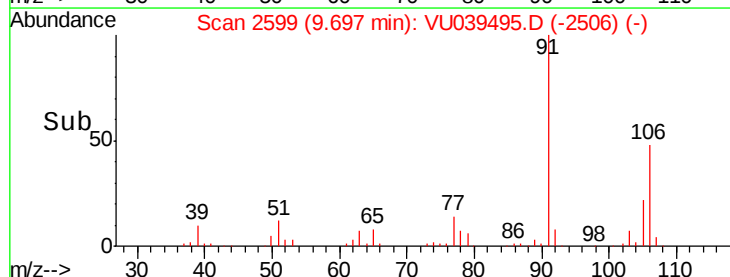
Ion Ratio Lower Upper

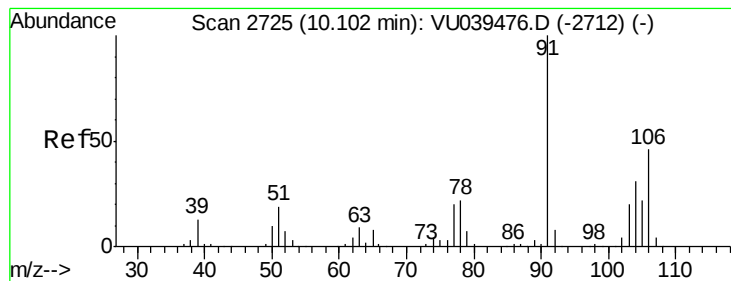
106 100

91 209.0 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039495.D (-2506) (-)





#54

o-Xylene

Concen: 4.989 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

Instrument :

MSVOA_U

ClientSampleId :

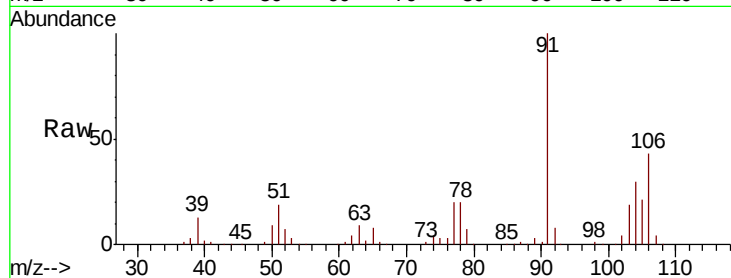
VSTD00521

Tot Ion:106 Resp: 67418

Ion Ratio Lower Upper

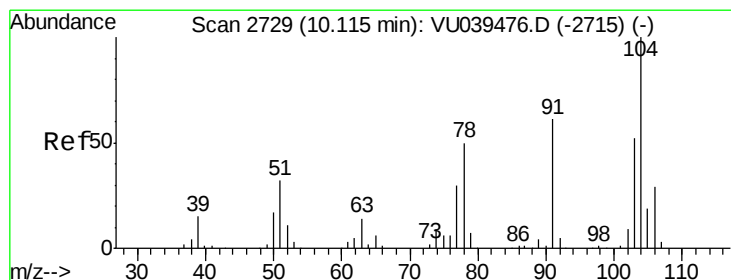
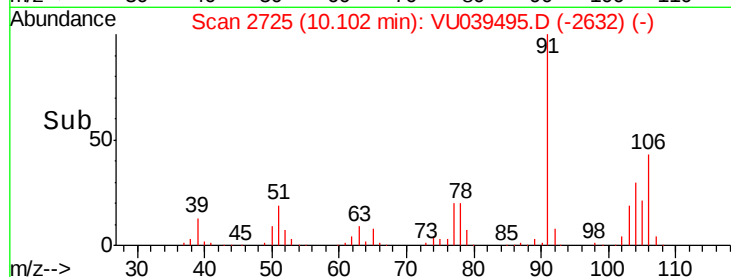
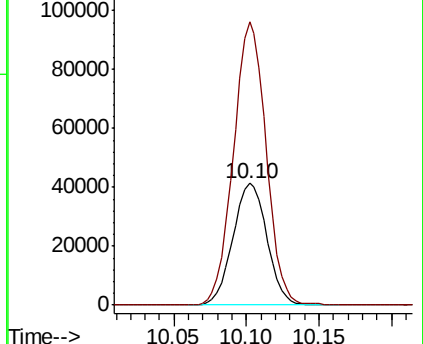
106 100

91 232.6 154.6 287.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.902 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU039495.D

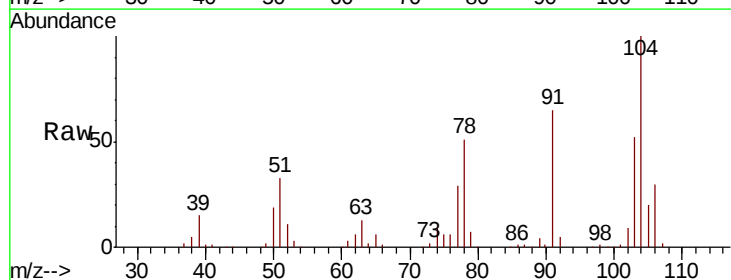
Acq: 15 Jul 2020 09:02

Tgt Ion:104 Resp: 115260

Ion Ratio Lower Upper

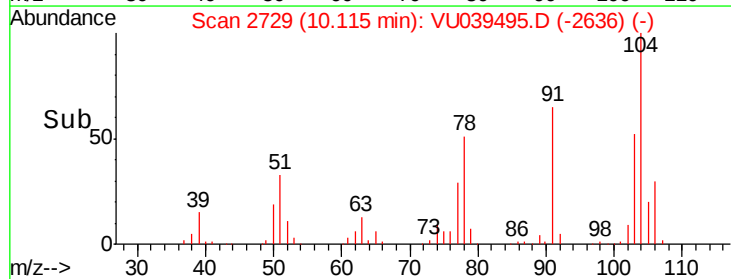
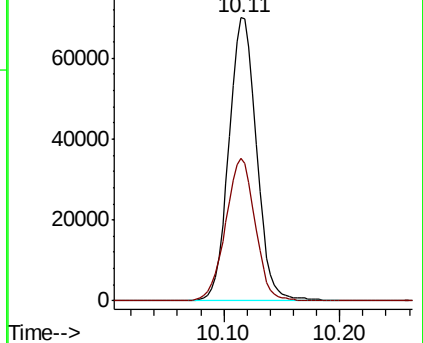
104 100

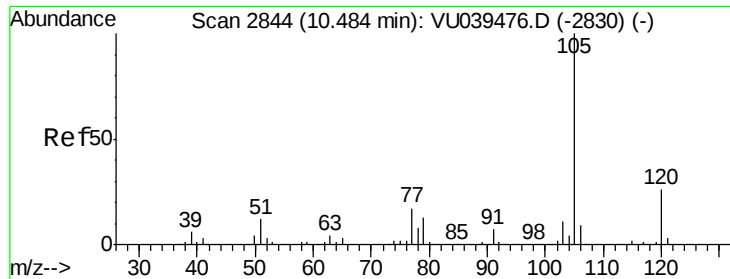
78 50.5 33.1 61.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.005 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

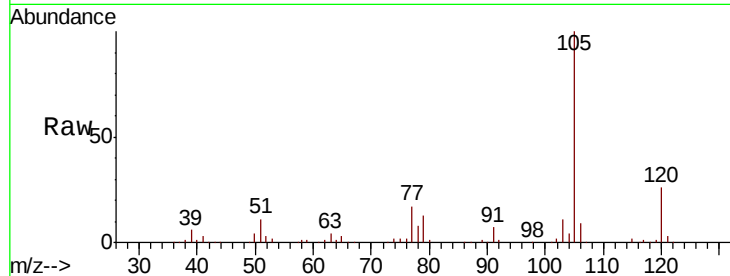
Tot Ion:105 Resp: 182921

Ion Ratio Lower Upper

105 100

120 26.5 20.7 31.1

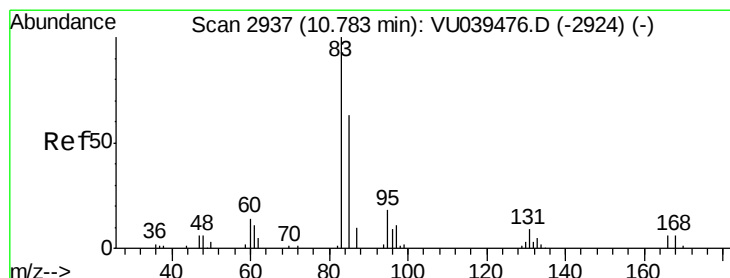
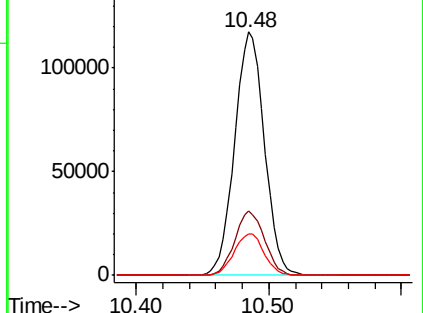
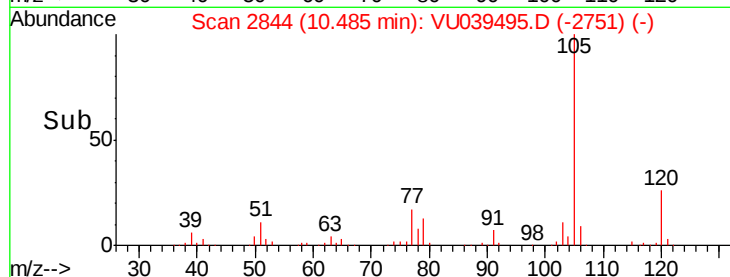
77 17.3 13.9 20.9



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: 4.738 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

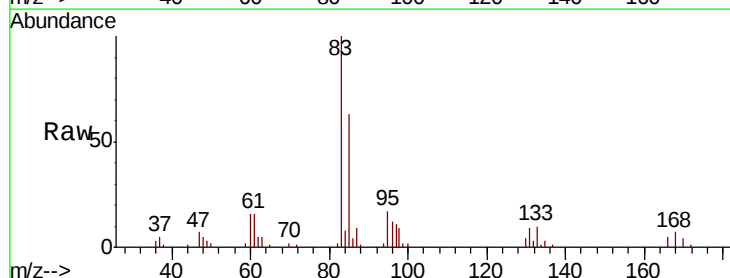
Tgt Ion: 83 Resp: 40197

Ion Ratio Lower Upper

83 100

85 63.0 46.1 85.7

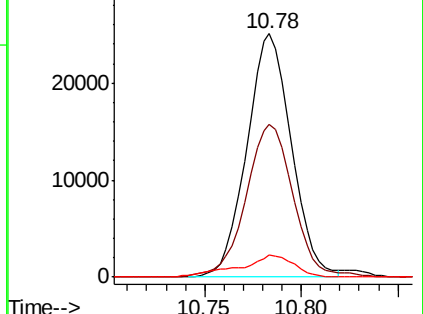
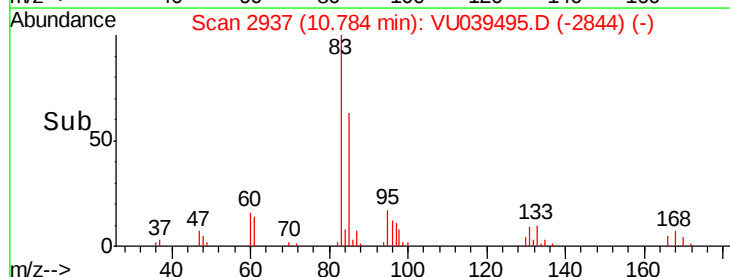
131 8.9 7.4 11.0

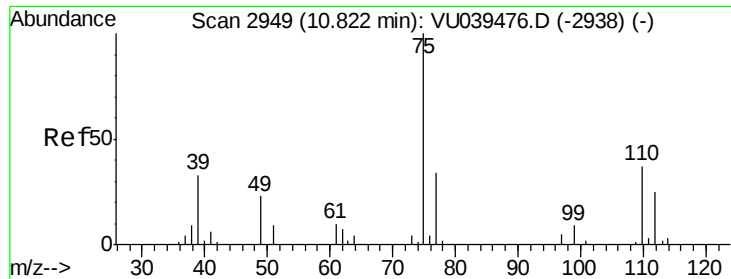


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.701 ug/L

RT: 10.83 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

Instrument :

MSVOA_U

ClientSampleId :

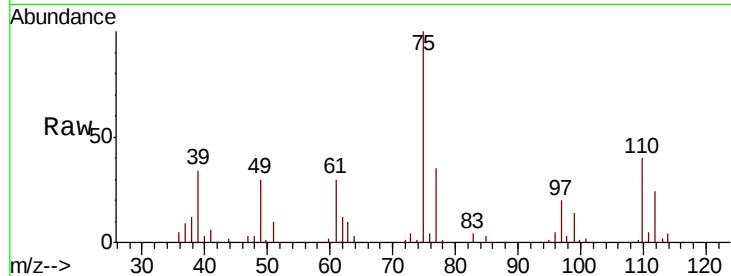
VSTD00521

Tot Ion: 75 Resp: 29404

Ion Ratio Lower Upper

75 100

77 34.3 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039476.D (-2938) (-)

Ion 77.00 (76.70 to 77.70): VU039476.D (-2938) (-)

10.83

20000

15000

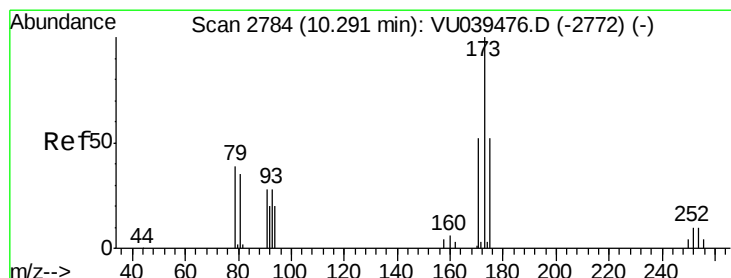
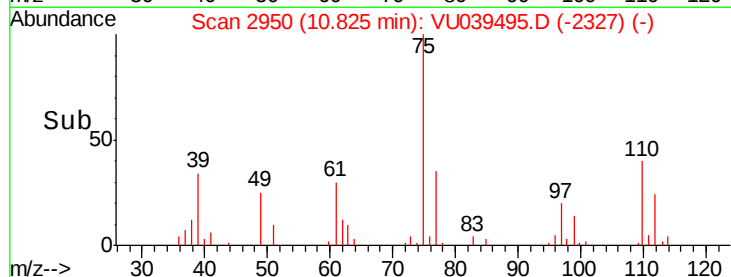
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 4.940 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

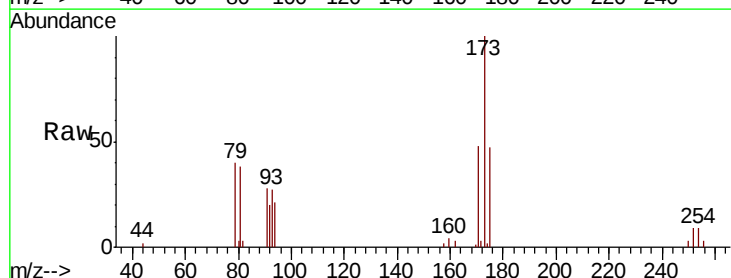
Tgt Ion:173 Resp: 21538

Ion Ratio Lower Upper

173 100

175 48.0 37.5 56.3

254 8.9 6.7 10.1



Abundance Ion 172.90 (172.60 to 173.60): VU039476.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039476.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039476.D (-2772) (-)

10.29

15000

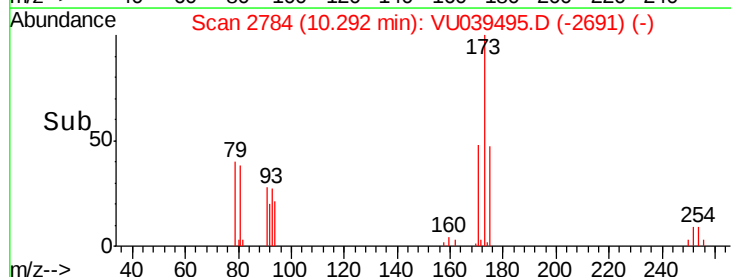
10000

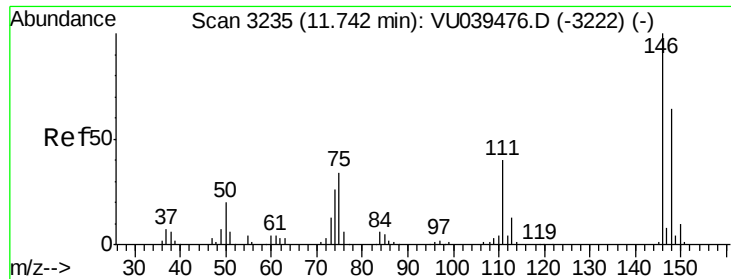
5000

0

Time-->

10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 5.126 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

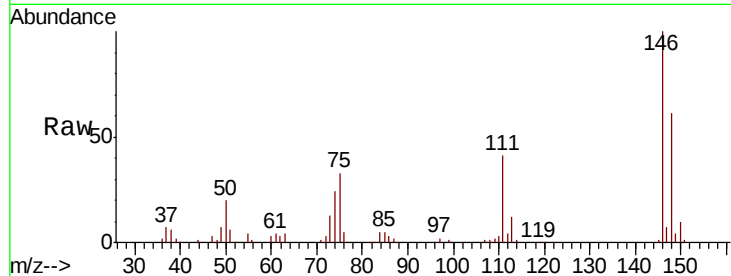
Tot Ion:146 Resp: 83099

Ion Ratio Lower Upper

146 100

111 40.6 29.0 53.8

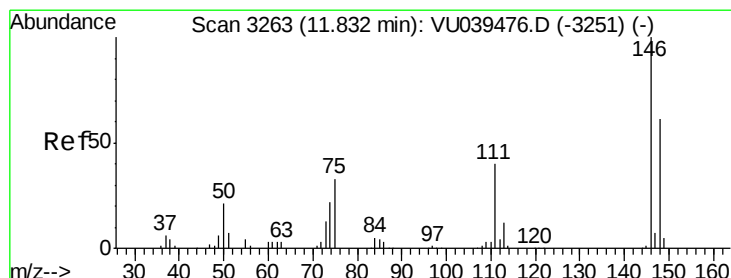
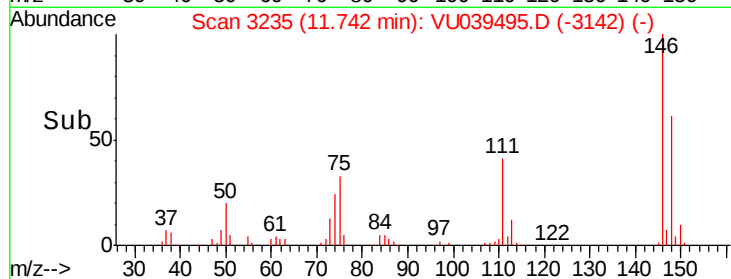
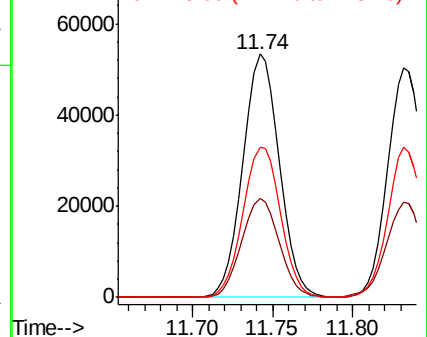
148 61.5 43.5 80.9



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: 4.952 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

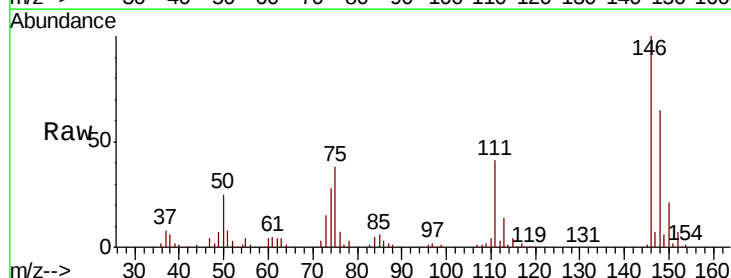
Tgt Ion:146 Resp: 80536

Ion Ratio Lower Upper

146 100

111 41.4 28.6 53.0

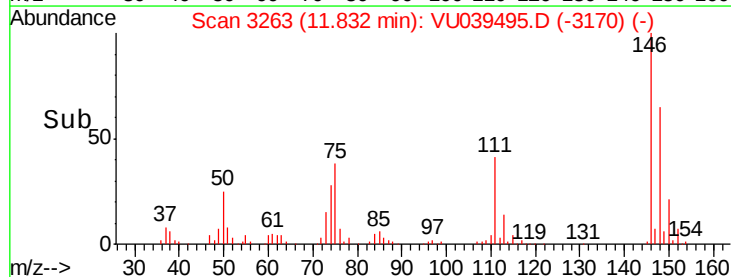
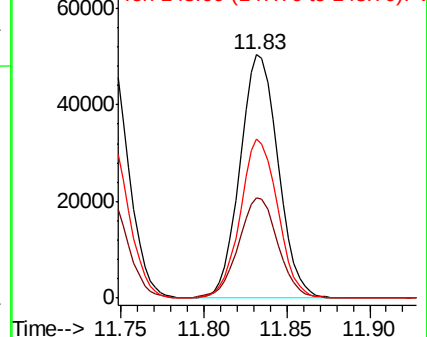
148 65.3 45.0 83.6

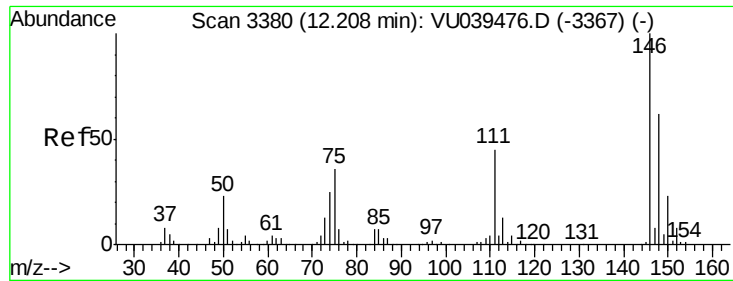


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

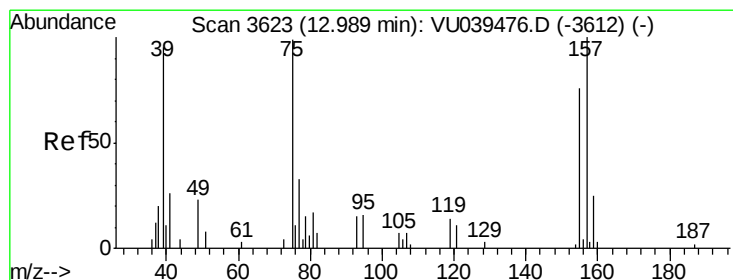
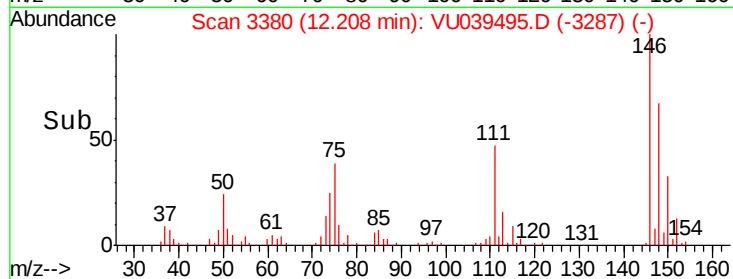
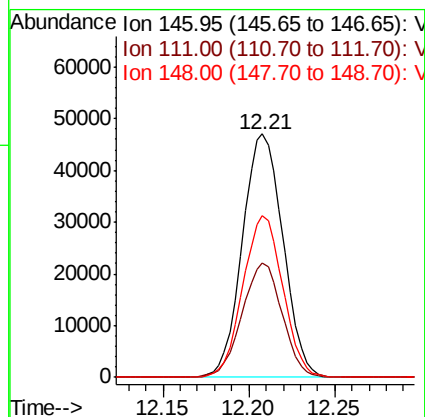
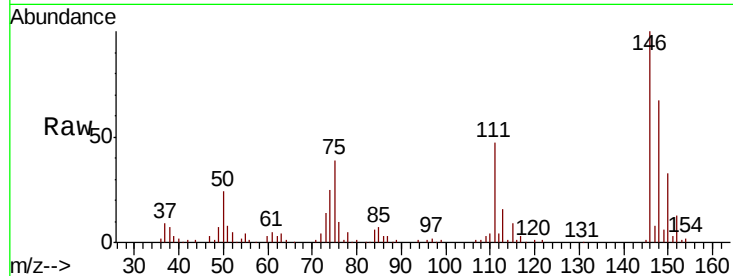




#65
 1,2-Dichlorobenzene
 Concen: 4.751 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

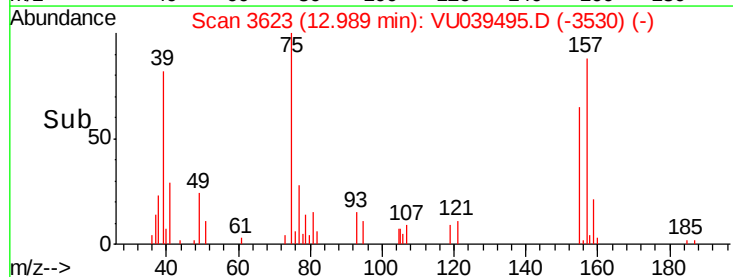
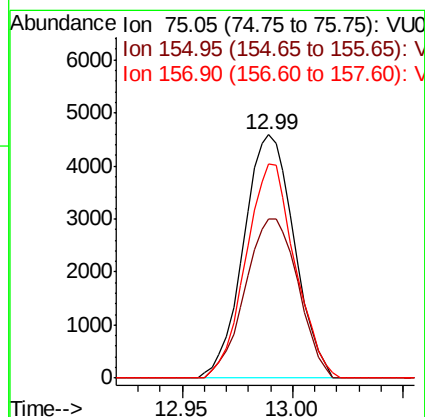
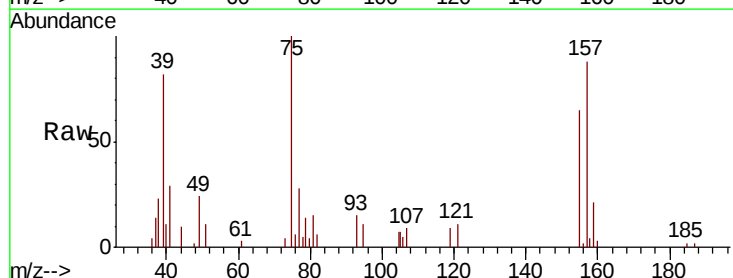
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

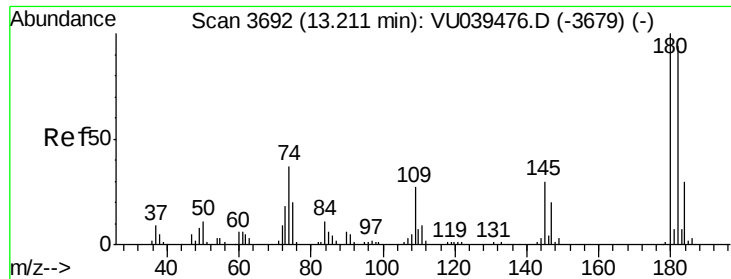
Tot Ion:146 Resp: 77218
 Ion Ratio Lower Upper
 146 100
 111 46.9 35.0 52.4
 148 66.6 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.072 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

Tgt Ion: 75 Resp: 7282
 Ion Ratio Lower Upper
 75 100
 155 65.4 51.9 77.9
 157 88.2 63.2 94.8

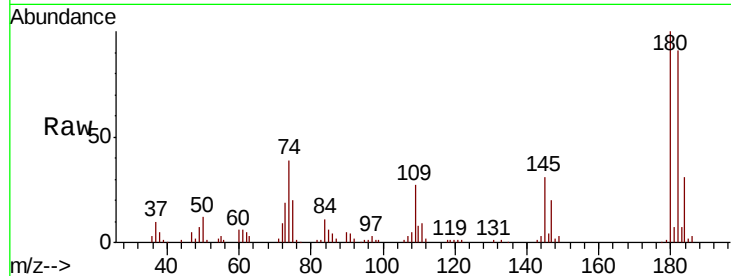




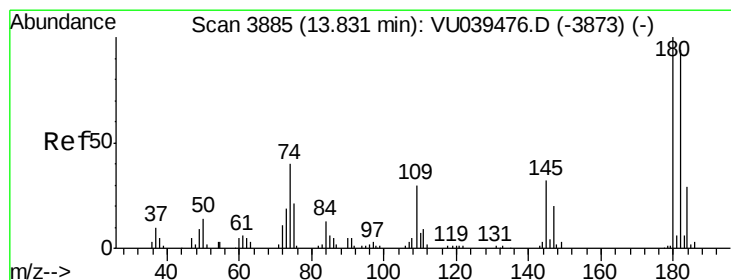
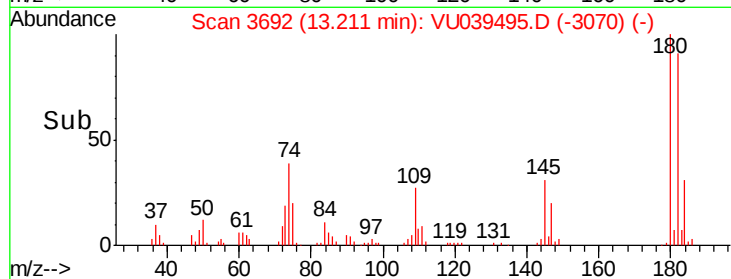
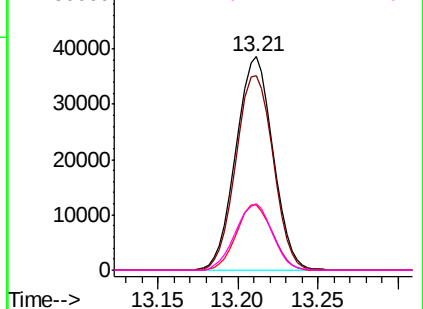
#67
 1,3,5-Trichlorobenzene
 Concen: 5.016 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion:180 Resp: 60854
 Ion Ratio Lower Upper
 180 100
 182 92.2 76.2 114.4
 184 29.9 24.2 36.4
 145 31.1 24.2 36.2

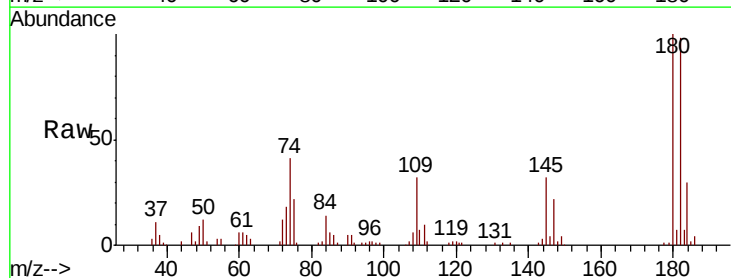


Abundance Ion 180.00 (179.70 to 180.70): V
 60000 Ion 182.00 (181.70 to 182.70): V
 50000 Ion 184.00 (183.70 to 184.70): V
 40000 Ion 145.00 (144.70 to 145.70): V

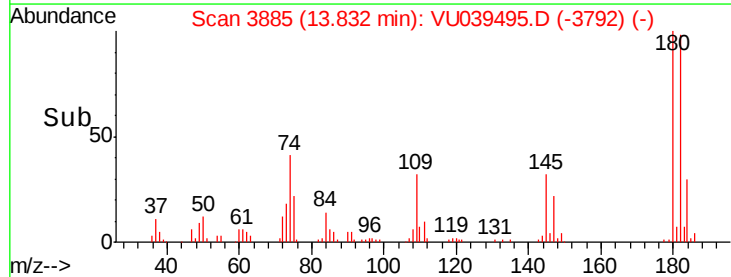
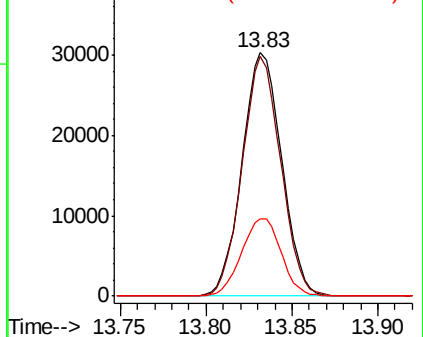


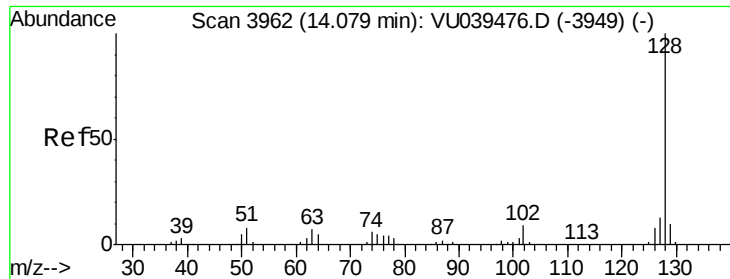
#68
 1,2,4-trichlorobenzene
 Concen: 4.661 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039495.D
 Acq: 15 Jul 2020 09:02

Tgt Ion:180 Resp: 48384
 Ion Ratio Lower Upper
 180 100
 182 95.5 79.4 119.2
 145 31.8 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V
 40000 Ion 182.00 (181.70 to 182.70): V
 30000 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.013 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

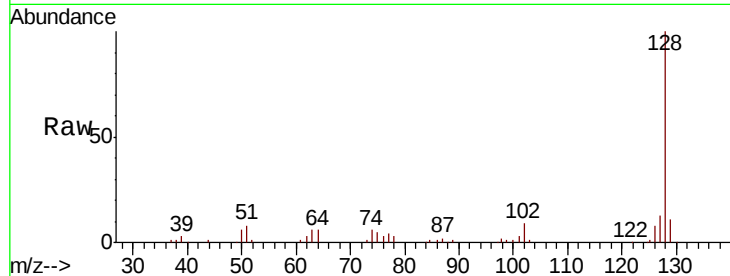
Tot Ion:128 Resp: 83838

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

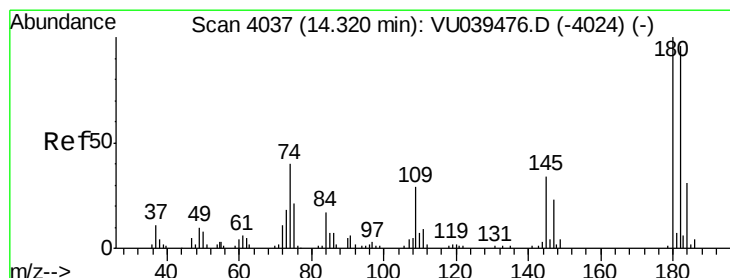
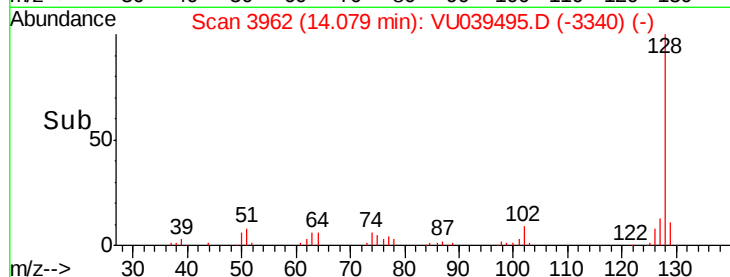
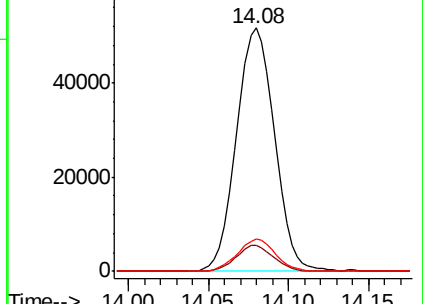
127 13.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.421 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039495.D

Acq: 15 Jul 2020 09:02

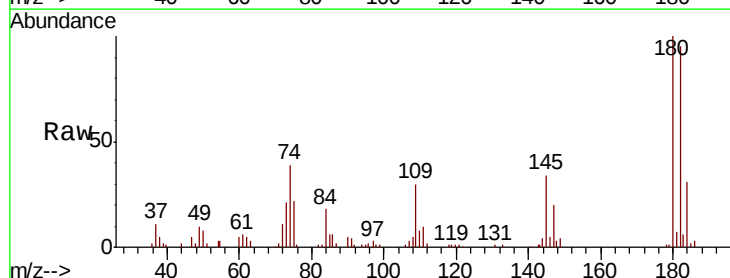
Tgt Ion:180 Resp: 42529

Ion Ratio Lower Upper

180 100

182 98.4 74.2 111.2

145 33.8 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

