

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070720\
 Data File : VU039317.D
 Acq On : 07 Jul 2020 15:37
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Quant Time: Jul 08 01:32:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 15:01:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	118334	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	112013	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54042	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36725	5.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.20%
7) Chloroethane-d5	1.93	69	33615	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.58	63	71160	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.40%
20) 2-Butanone-d5	4.66	46	174914	55.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.48%
24) Chloroform-d	5.09	84	80185	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	5.72	65	48212	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.74	84	144780	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
36) 1,2-Dichloropropane-d6	6.71	67	51468	5.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.60%
41) Toluene-d8	7.91	98	123736	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
43) trans-1,3-Dichloropropene-	8.19	79	22541	5.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.80%
46) 2-Hexanone-d5	8.64	63	138219	55.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.38%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	49637	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	50647	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	38068	5.308	ug/L	99
3) Chloromethane	1.53	50	44103	5.075	ug/L	97
5) Vinyl chloride	1.61	62	47080	4.879	ug/L	99
6) Bromomethane	1.87	94	22447	5.402	ug/L	100
8) Chloroethane	1.94	64	29864	4.284	ug/L	100
9) Trichlorofluoromethane	2.15	101	78021	4.657	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	35746	5.199	ug/L	98
12) 1,1-Dichloroethene	2.59	96	34733	4.935	ug/L	98
13) Acetone	2.67	43	83653	49.386	ug/L	65
14) Carbon disulfide	2.81	76	121776	4.912	ug/L	98
15) Methyl Acetate	2.97	43	20610	4.606	ug/L	94
16) Methylene chloride	3.06	84	42294	4.778	ug/L	98
17) Methyl tert-butyl Ether	3.38	73	111511	5.029	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	38153	4.897	ug/L	96
19) 1,1-Dichloroethane	3.89	63	75091	4.926	ug/L	98
21) 2-Butanone	4.74	43	154199	51.003	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	42887	4.909	ug/L	98

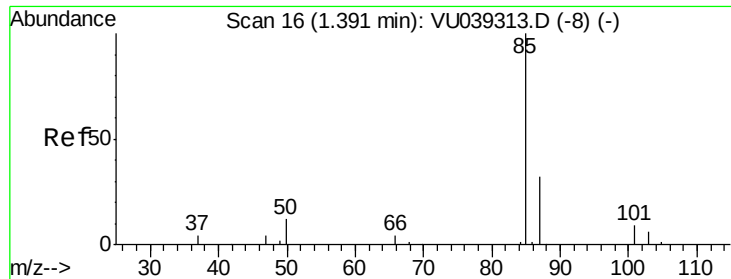
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070720\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	19694	4.962	ug/L	95
25) Chloroform	5.11	83	75583	4.910	ug/L	99
27) 1,2-Dichloroethane	5.81	62	56730	5.094	ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	65243	4.945	ug/L	98
30) Cyclohexane	5.41	56	71818	5.171	ug/L	97
31) Carbon tetrachloride	5.54	117	54469	4.839	ug/L	100
33) Benzene	5.79	78	162798	4.861	ug/L	100
34) Trichloroethene	6.56	95	42365	4.893	ug/L	97
35) Methylcyclohexane	6.77	83	69804	5.033	ug/L	97
37) 1,2-Dichloropropane	6.81	63	44364	4.859	ug/L	99
38) Bromodichloromethane	7.12	83	56819	4.874	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	66578	4.824	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	376625	49.453	ug/L	99
42) Toluene	7.98	91	171798	4.791	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	59905	4.893	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	33390	5.092	ug/L	93
47) Tetrachloroethene	8.56	164	29635	4.921	ug/L	95
48) 2-Hexanone	8.69	43	278368	49.573	ug/L	99
49) Dibromochloromethane	8.82	129	37762	4.754	ug/L	98
50) 1,2-Dibromoethane	8.93	107	32912	4.940	ug/L	96
51) Chlorobenzene	9.45	112	106509	4.860	ug/L	98
52) Ethylbenzene	9.57	91	194374	4.904	ug/L	97
53) m,p-Xylene	9.70	106	72329	4.844	ug/L	97
54) o-Xylene	10.10	106	70802	4.870	ug/L	97
55) Styrene	10.11	104	119415	4.721	ug/L	99
56) Isopropylbenzene	10.48	105	191135	4.861	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	44194	4.842	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	31742	4.718	ug/L	97
61) Bromoform	10.29	173	21761	4.778	ug/L	95
62) 1,3-Dichlorobenzene	11.74	146	82786	4.889	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	81763	4.813	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	80733	4.756	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	7910	5.275	ug/L	89
67) 1,3,5-Trichlorobenzene	13.21	180	63174	4.985	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	55780	5.144	ug/L	95
69) Naphthalene	14.08	128	110922	5.083	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	51637	5.139	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.308 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

Instrument :

MSVOA_U

ClientSampleId :

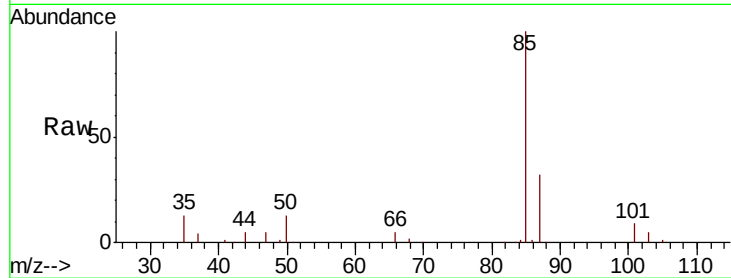
VSTD00529

Tot Ion: 85 Resp: 38068

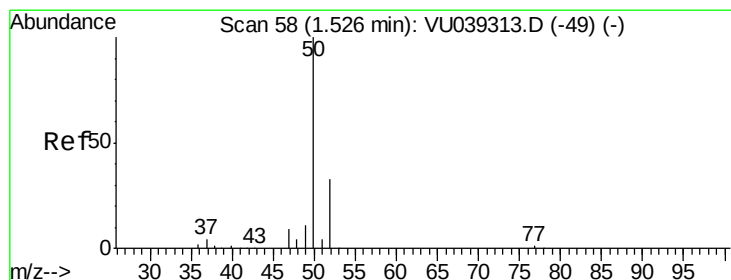
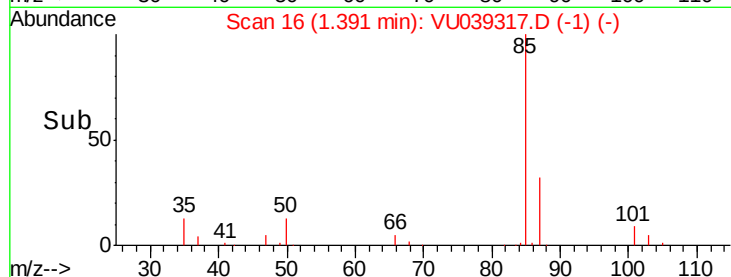
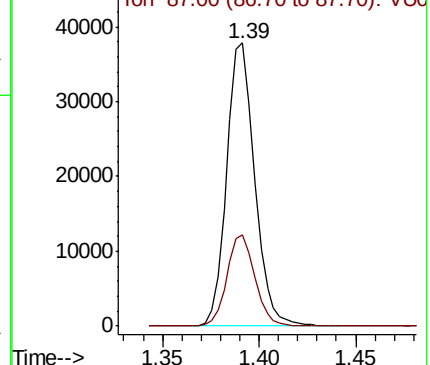
Ion Ratio Lower Upper

85 100

87 32.0 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039317.D (-8) (-)



#3

Chloromethane

Concen: 5.075 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039317.D

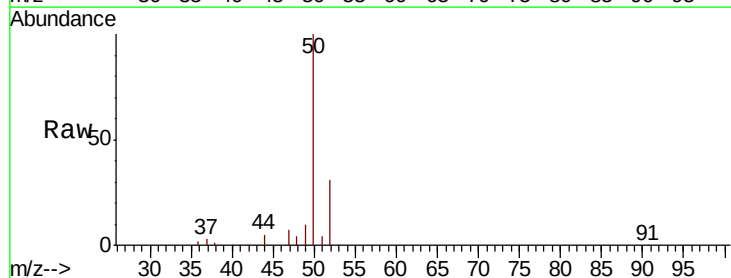
Acq: 07 Jul 2020 15:37

Tgt Ion: 50 Resp: 44103

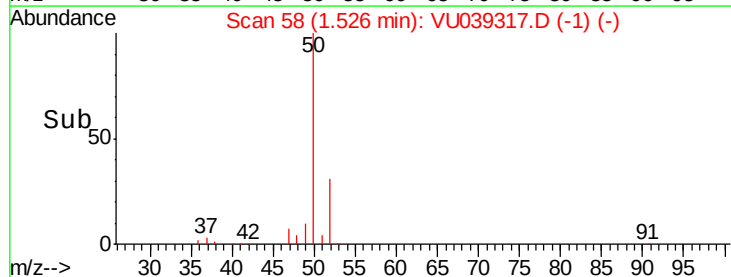
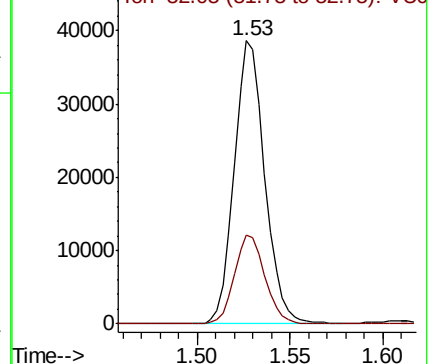
Ion Ratio Lower Upper

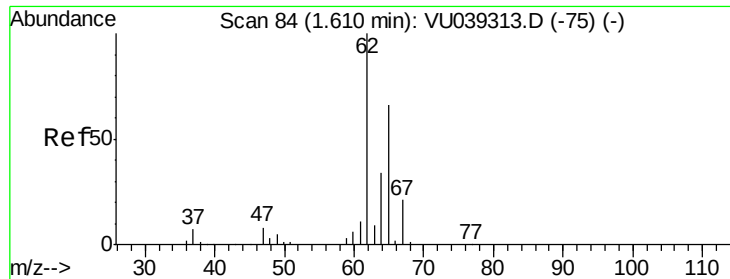
50 100

52 31.4 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039317.D (-49) (-)





#5

Vinyl chloride

Concen: 4.879 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

Instrument :

MSVOA_U

ClientSampleId :

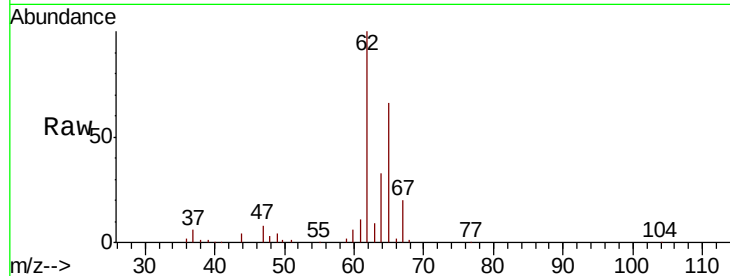
VSTD00529

Tot Ion: 62 Resp: 47080

Ion Ratio Lower Upper

62 100

64 33.3 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU039317.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039317.D (-75) (-)

1.61

40000

30000

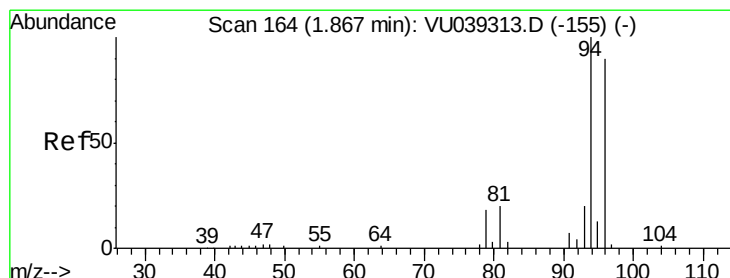
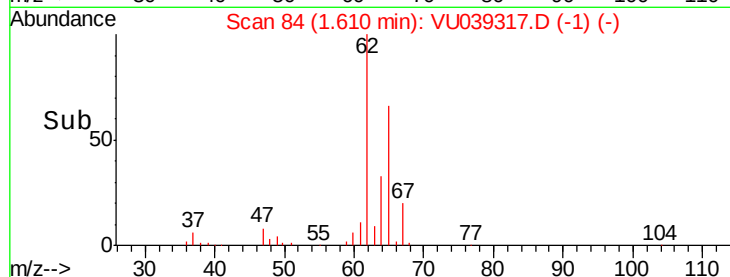
20000

10000

0

Time-->

1.55 1.60 1.65



#6

Bromomethane

Concen: 5.402 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039317.D

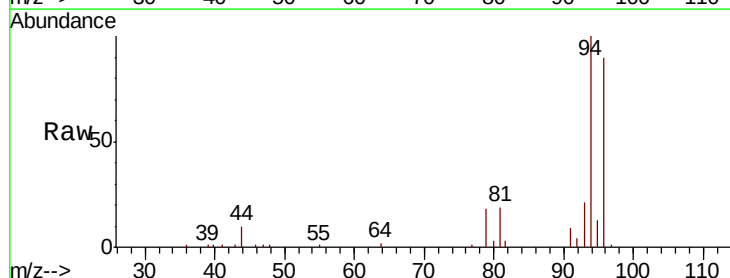
Acq: 07 Jul 2020 15:37

Tgt Ion: 94 Resp: 22447

Ion Ratio Lower Upper

94 100

96 89.9 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU039317.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039317.D (-155) (-)

1.87

20000

15000

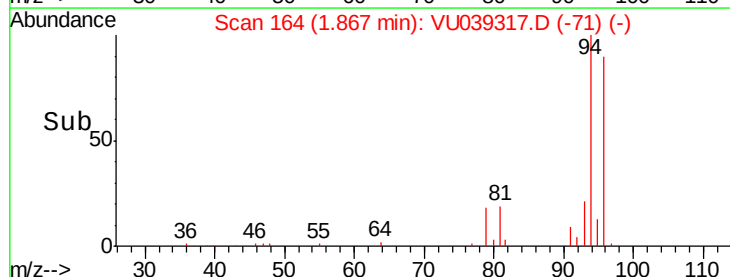
10000

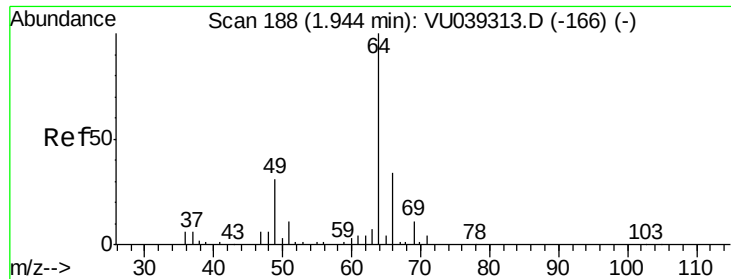
5000

0

Time-->

1.85 1.90

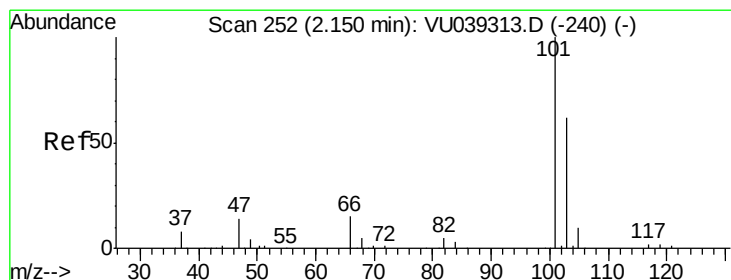
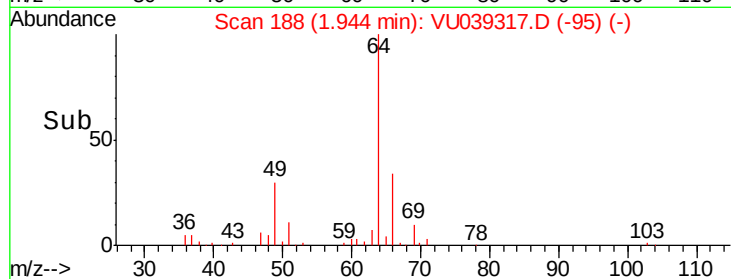
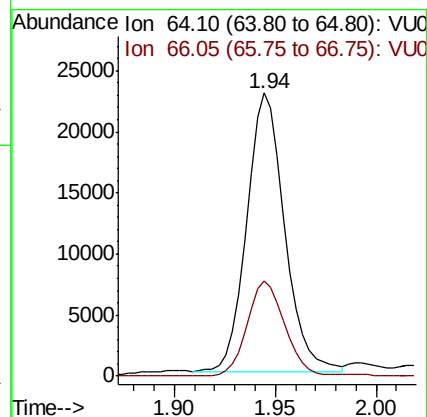
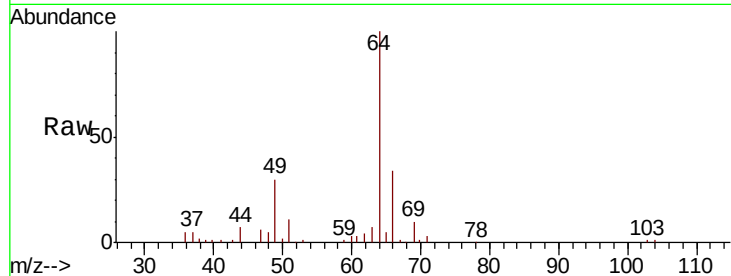




#8
Chloroethane
Concen: 4.284 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

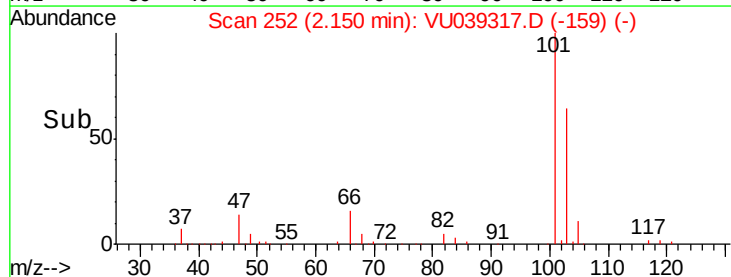
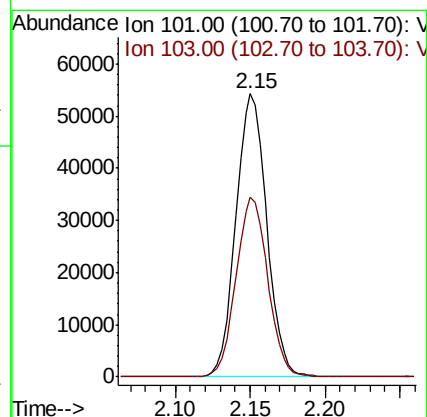
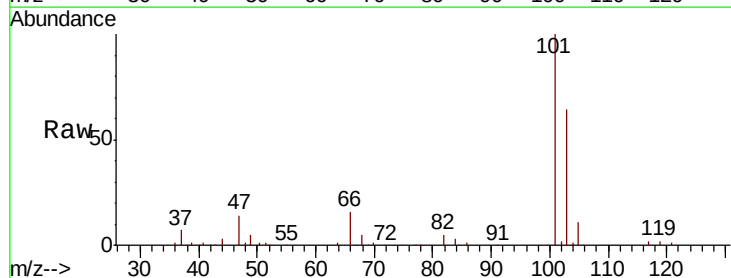
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

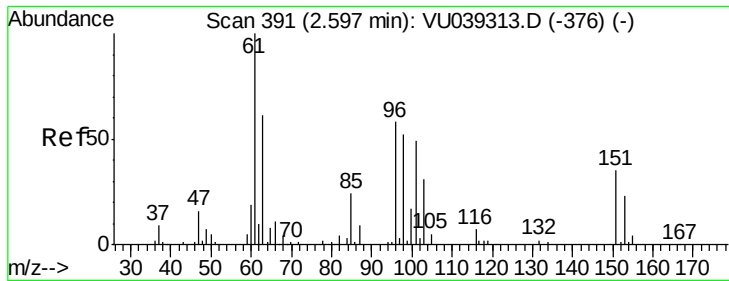
Tot Ion: 64 Resp: 29864
Ion Ratio Lower Upper
64 100
66 33.8 23.5 43.7



#9
Trichlorofluoromethane
Concen: 4.657 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

Tgt Ion:101 Resp: 78021
Ion Ratio Lower Upper
101 100
103 65.5 50.6 76.0





#10

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

Concen: 5.199 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

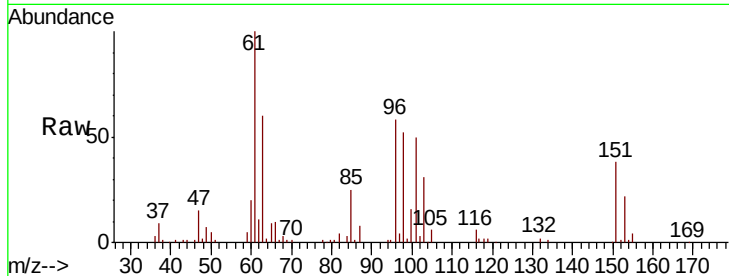
Tot Ion:101 Resp: 35746

Ion Ratio Lower Upper

101 100

85 47.6 38.9 58.3

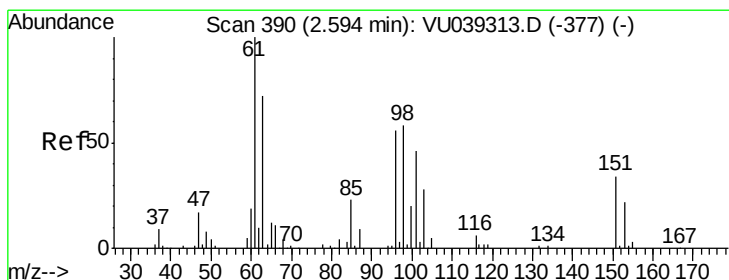
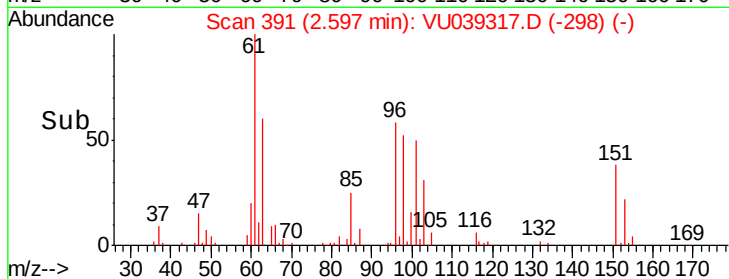
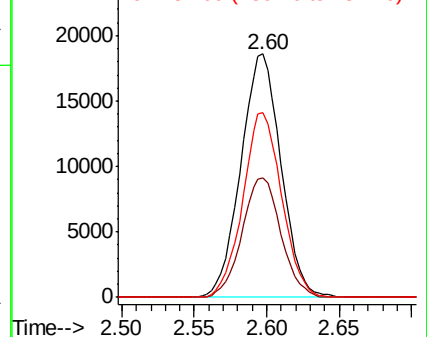
151 73.5 57.0 85.4



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: 4.935 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

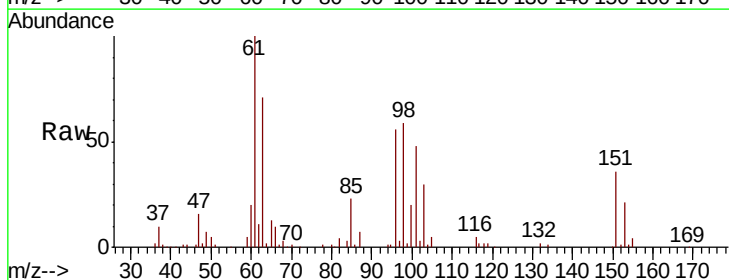
Tgt Ion: 96 Resp: 34733

Ion Ratio Lower Upper

96 100

61 180.0 125.4 232.8

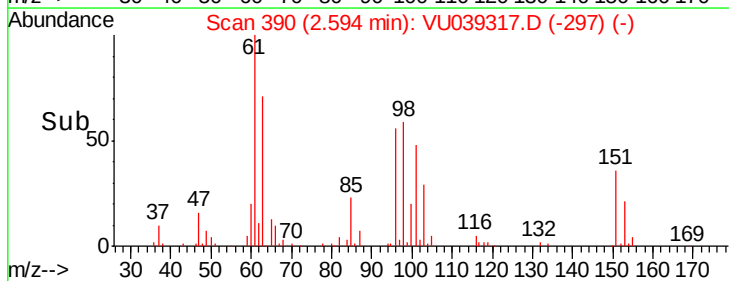
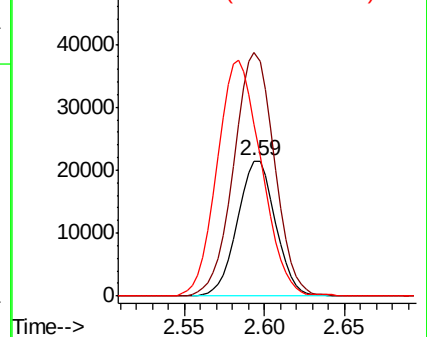
63 127.1 92.7 172.3

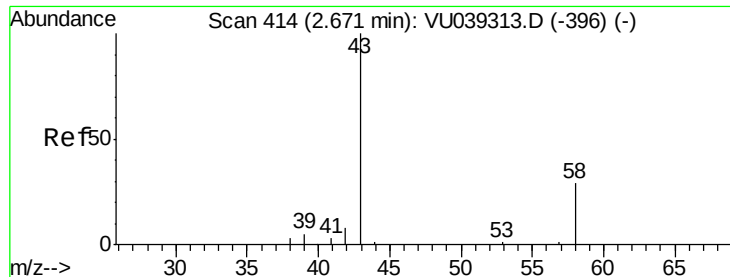


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.386 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

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Acq: 07 Jul 2020 15:37

Instrument :

MSVOA_U

ClientSampleId :

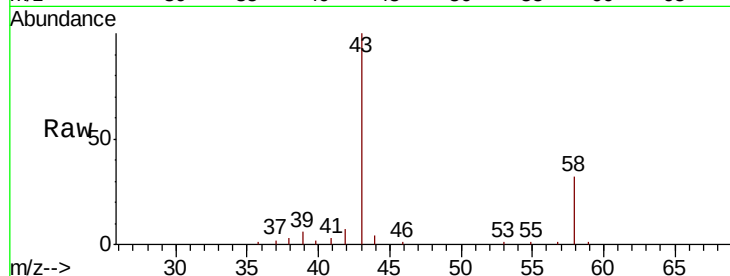
VSTD00529

Tot Ion: 43 Resp: 83653

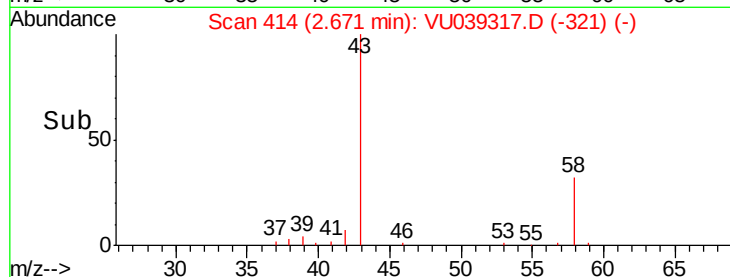
Ion Ratio Lower Upper

43 100

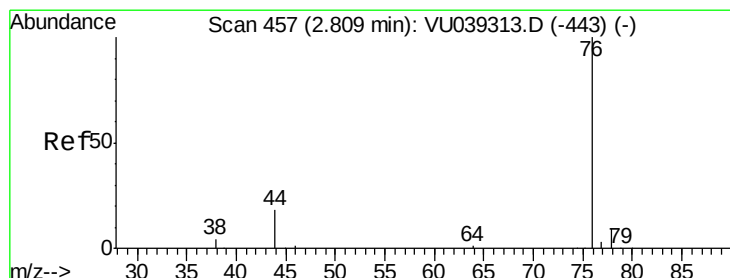
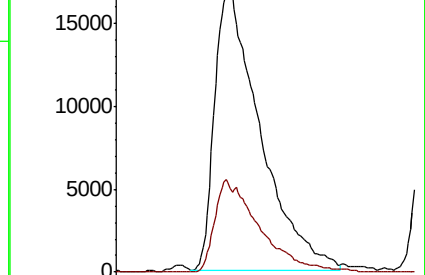
58 12.2 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039317.D (-321) (-)



Ion 58.05 (57.75 to 58.75): VU039317.D (-321) (-)



#14

Carbon disulfide

Concen: 4.912 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU039317.D

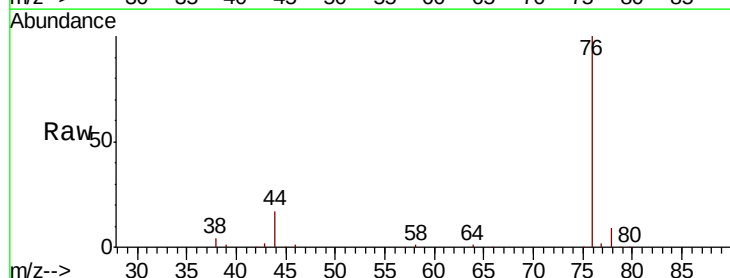
Acq: 07 Jul 2020 15:37

Tgt Ion: 76 Resp: 121776

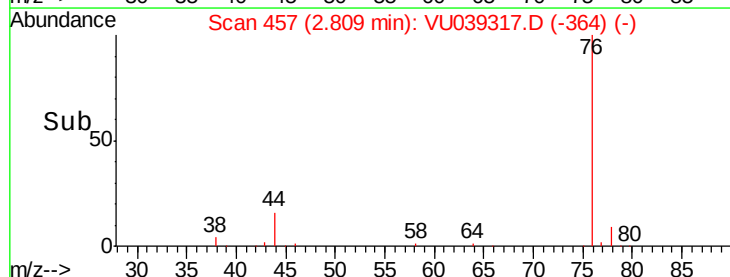
Ion Ratio Lower Upper

76 100

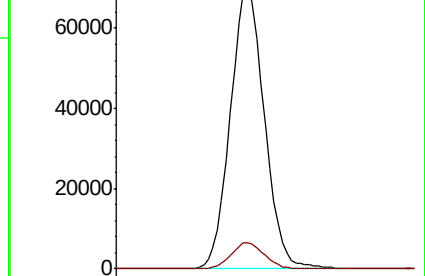
78 9.4 7.0 10.4

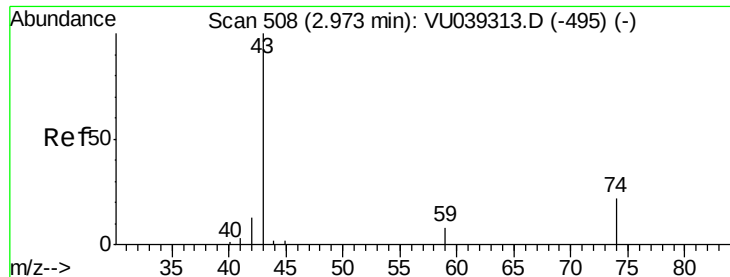


Abundance Ion 76.05 (75.75 to 76.75): VU039317.D (-364) (-)



Ion 78.00 (77.70 to 78.70): VU039317.D (-364) (-)

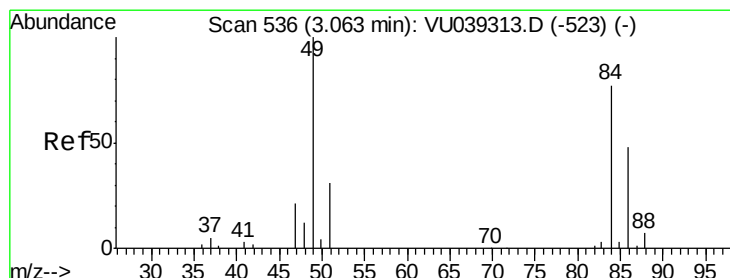
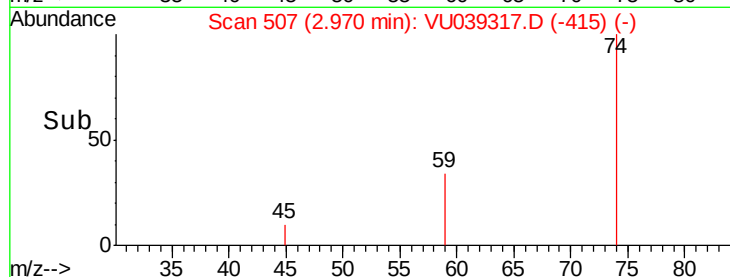
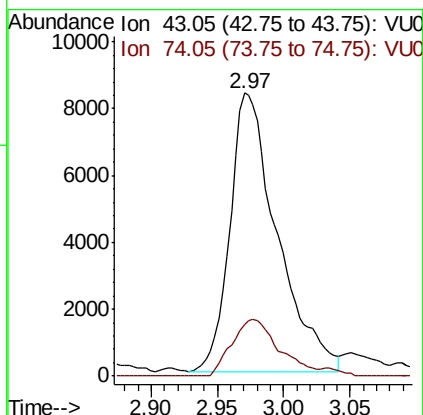
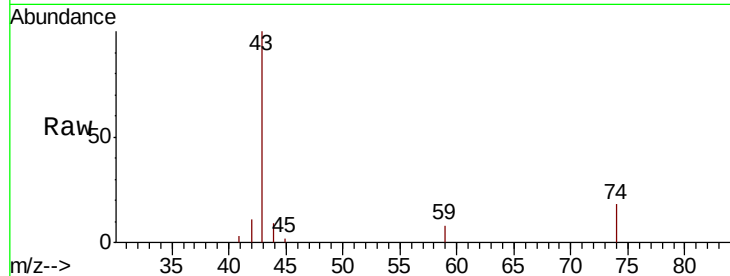




#15
Methvl Acetate
Concen: 4.606 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

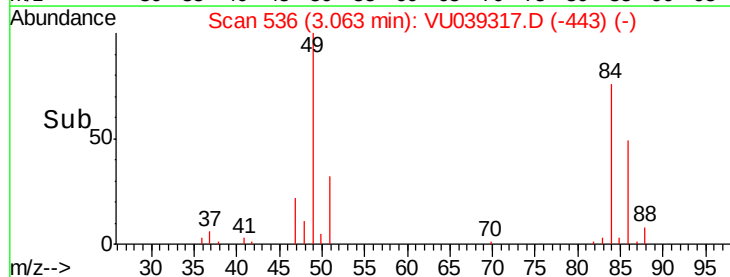
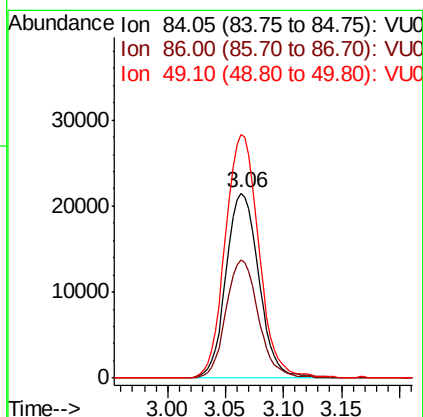
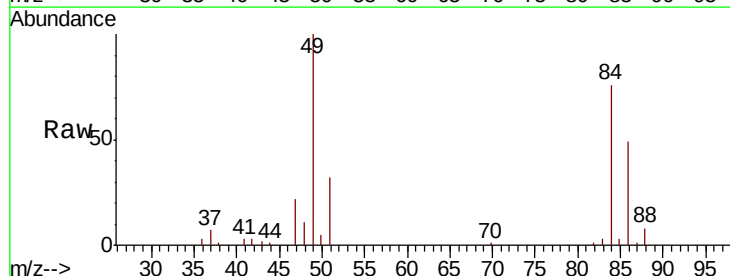
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

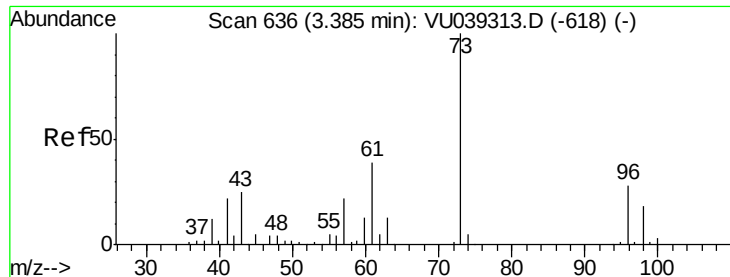
Tot Ion: 43 Resp: 20610
Ion Ratio Lower Upper
43 100
74 20.4 18.7 28.1



#16
Methylene chloride
Concen: 4.778 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

Tgt Ion: 84 Resp: 42294
Ion Ratio Lower Upper
84 100
86 64.3 43.5 80.9
49 131.7 91.1 169.1

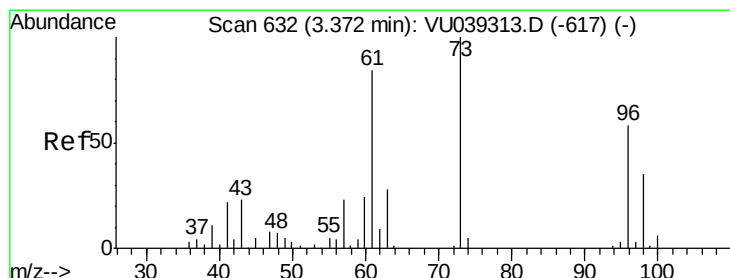
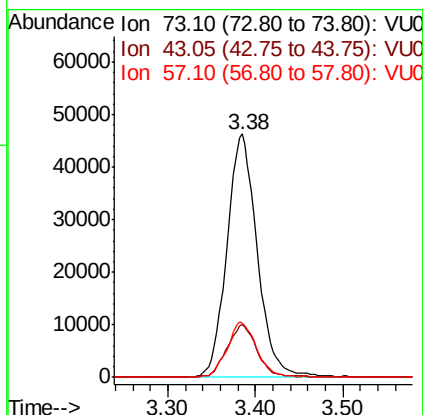
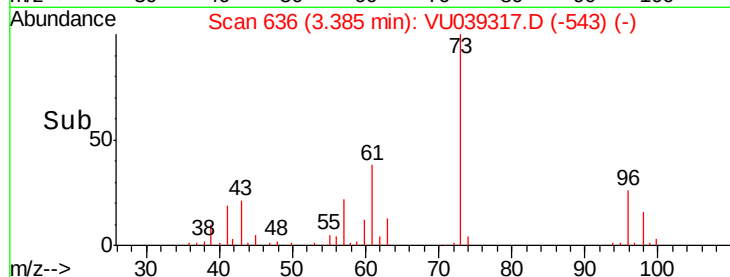
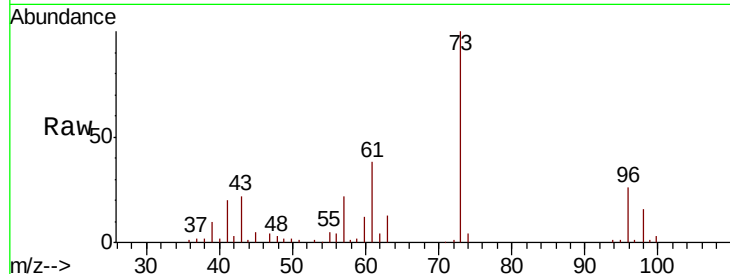




#17
Methyl tert-butyl Ether
Concen: 5.029 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

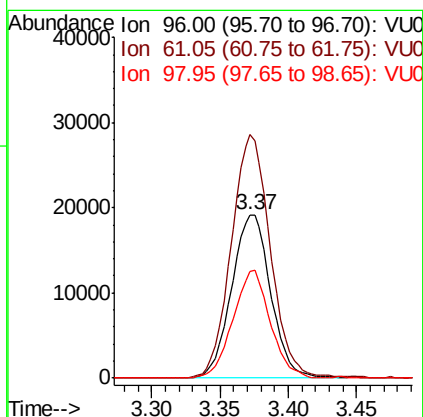
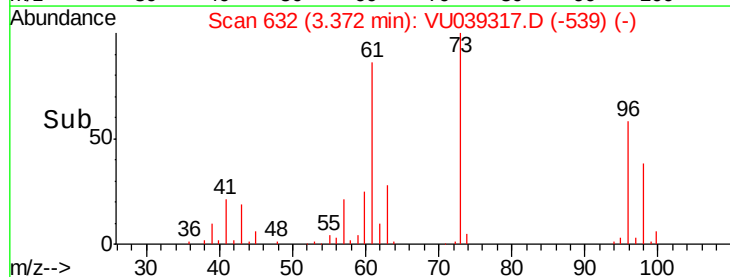
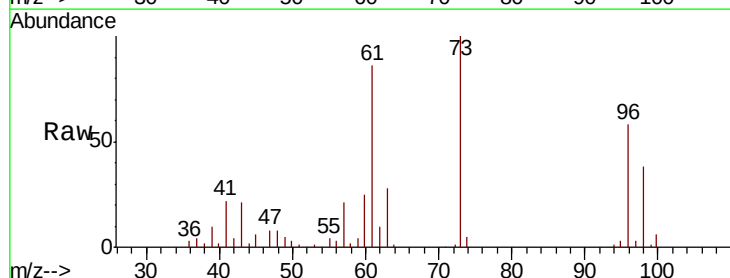
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

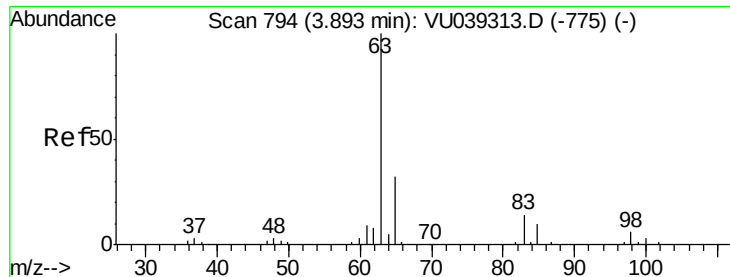
Tot Ion: 73 Resp: 111511
Ion Ratio Lower Upper
73 100
43 21.7 18.6 28.0
57 22.2 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.897 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

Tgt Ion: 96 Resp: 38153
Ion Ratio Lower Upper
96 100
61 149.2 102.1 189.5
98 65.5 42.5 78.9

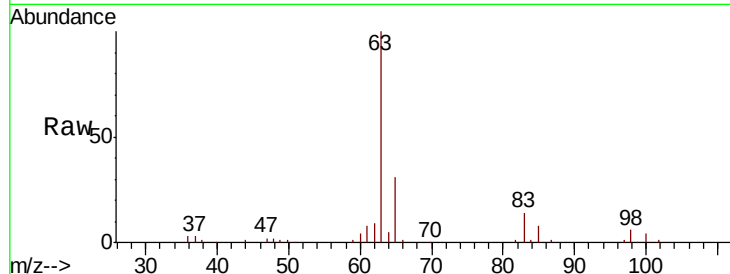




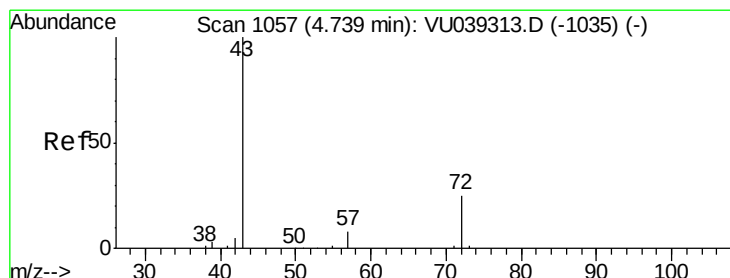
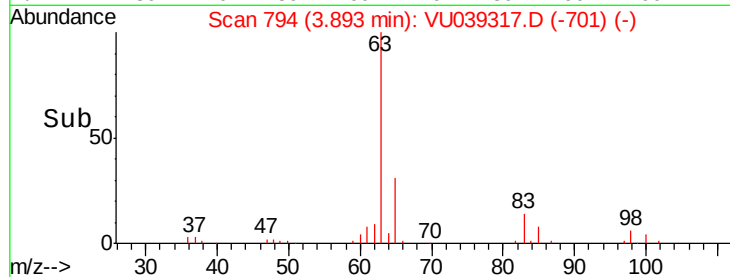
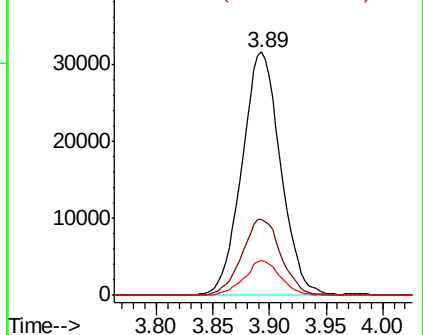
#19
 1,1-Dichloroethane
 Concen: 4.926 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VU039317.D
 Acq: 07 Jul 2020 15:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion: 63 Resp: 75091
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.0 42.6
 83 14.3 9.6 17.8

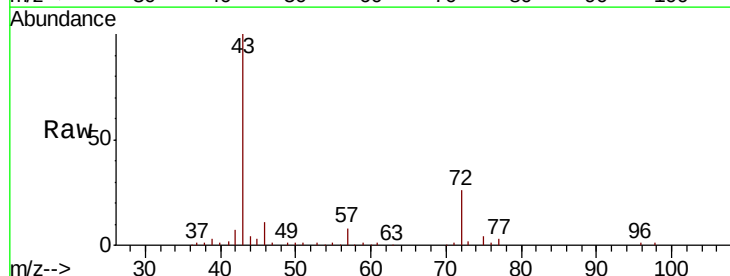


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

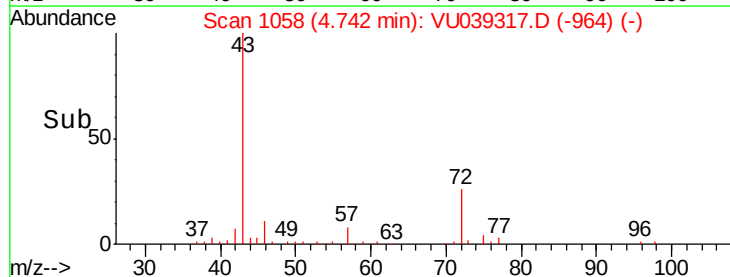
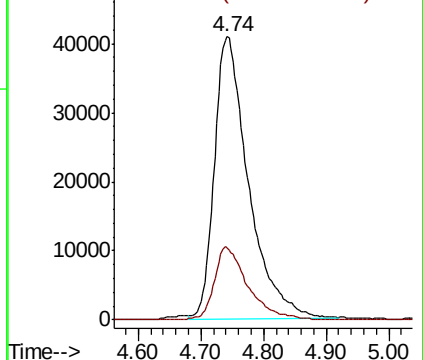


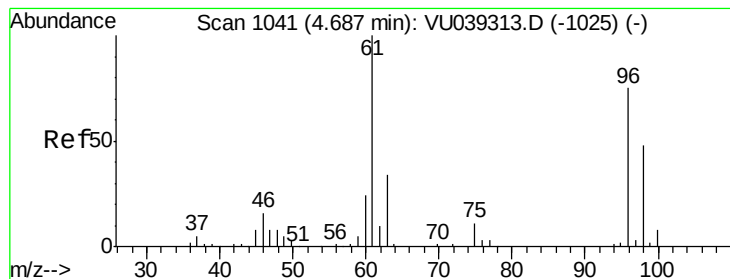
#21
 2-Butanone
 Concen: 51.003 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VU039317.D
 Acq: 07 Jul 2020 15:37

Tgt Ion: 43 Resp: 154199
 Ion Ratio Lower Upper
 43 100
 72 25.5 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: 4.909 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

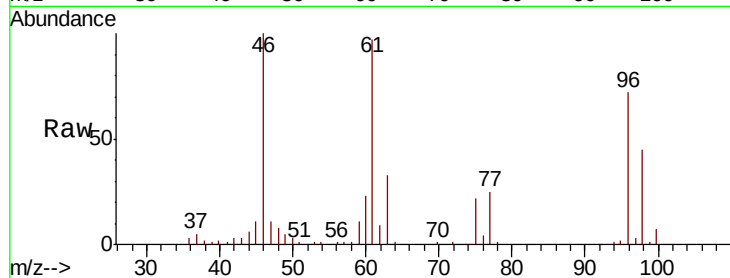
Tot Ion: 96 Resp: 42887

Ion Ratio Lower Upper

96 100

61 134.9 92.8 172.4

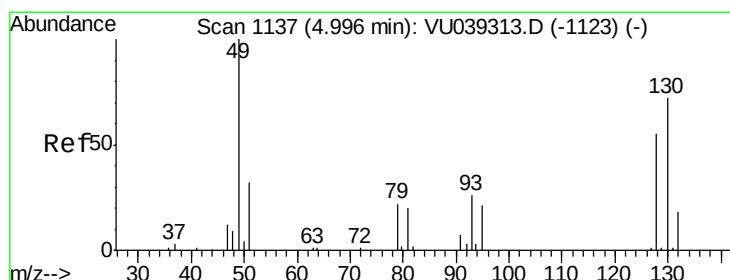
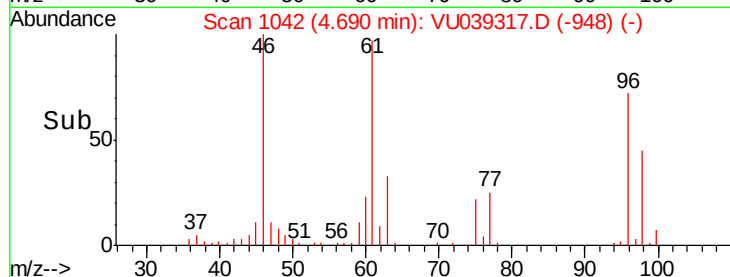
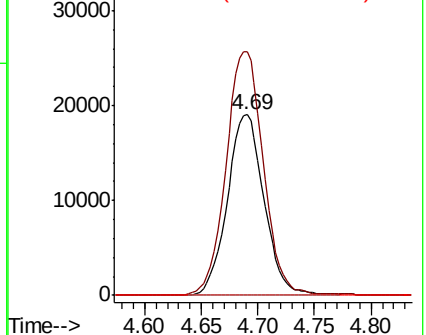
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039317.D (-1042) (-)

Ion 61.05 (60.75 to 61.75): VU039317.D (-1042) (-)

Ion 68.15 (67.85 to 68.85): VU039317.D (-1042) (-)



#23

Bromochloromethane

Concen: 4.962 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

Tgt Ion:128 Resp: 19694

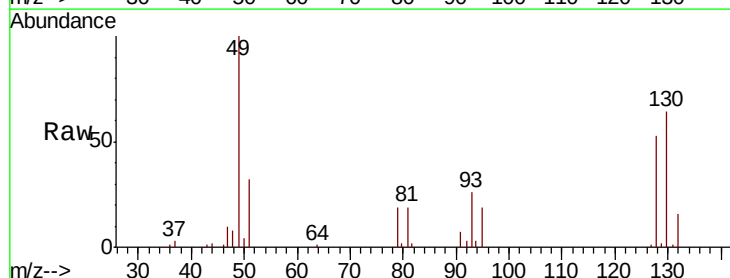
Ion Ratio Lower Upper

128 100

49 187.3 128.5 238.7

130 120.0 91.5 169.9

51 60.2 47.0 70.6

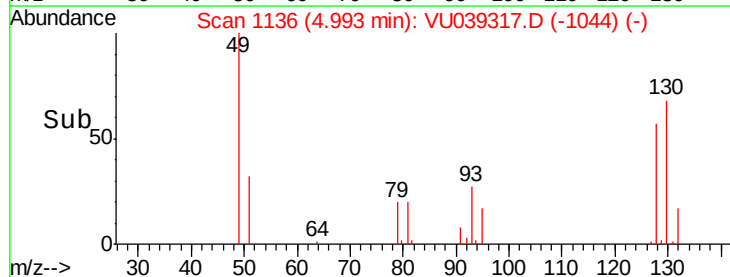
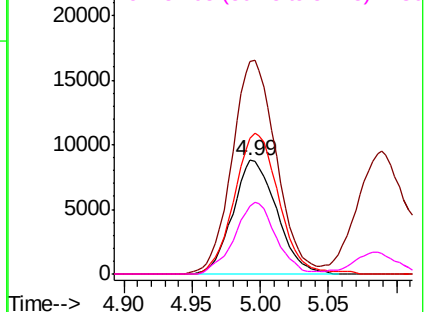


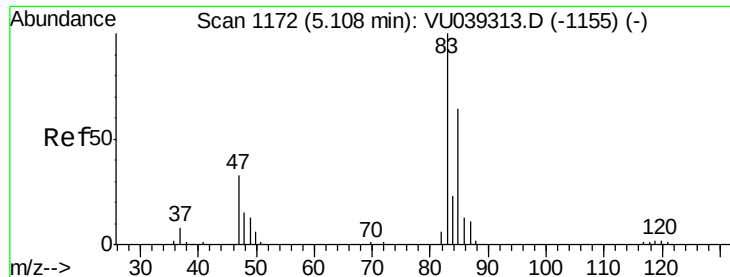
Abundance Ion 127.90 (127.60 to 128.60): VU039317.D (-1136) (-)

Ion 49.10 (48.80 to 49.80): VU039317.D (-1136) (-)

Ion 129.95 (129.65 to 130.65): VU039317.D (-1136) (-)

Ion 51.05 (50.75 to 51.75): VU039317.D (-1136) (-)

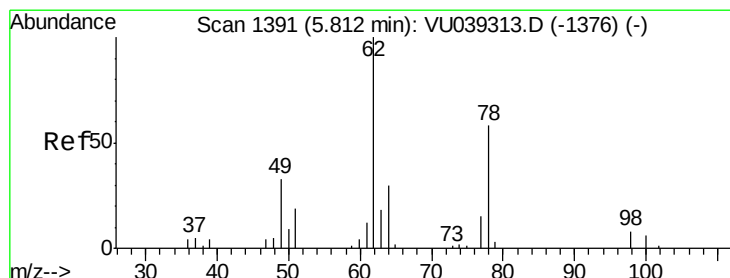
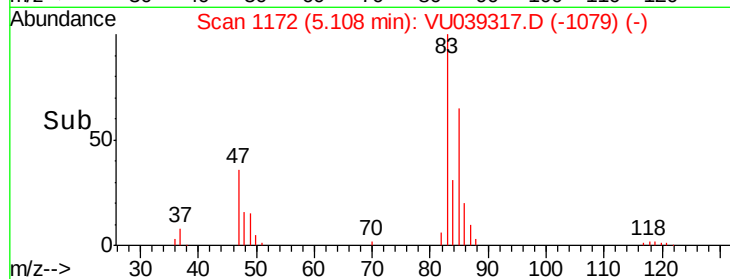
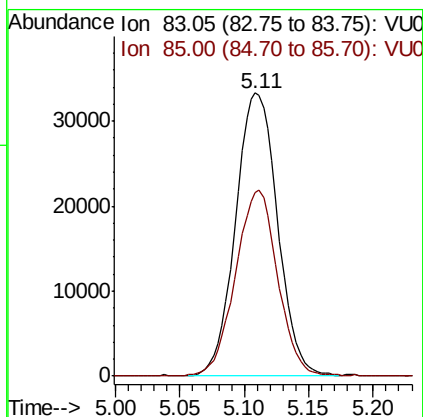
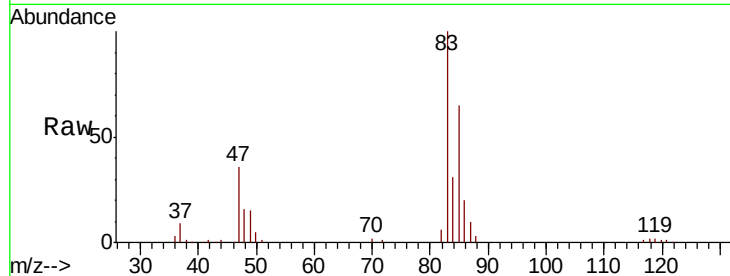




#25
Chloroform
Concen: 4.910 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

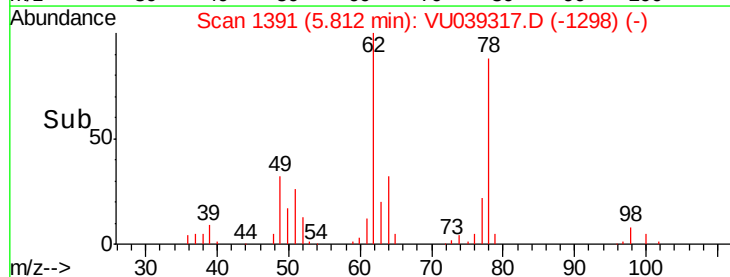
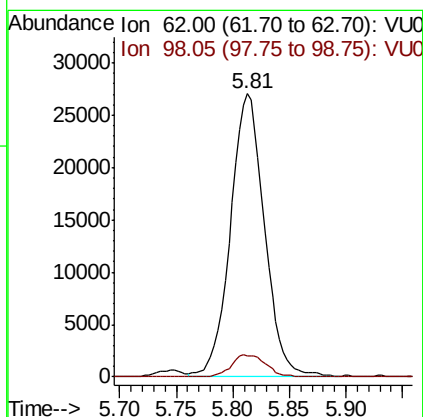
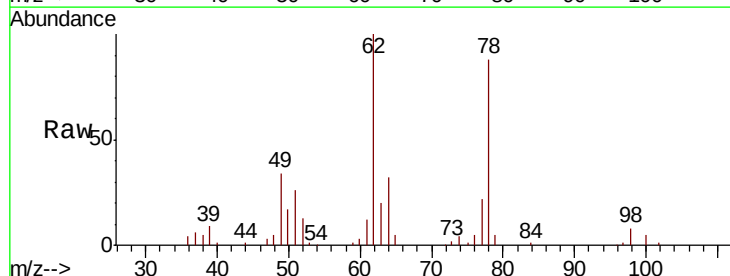
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

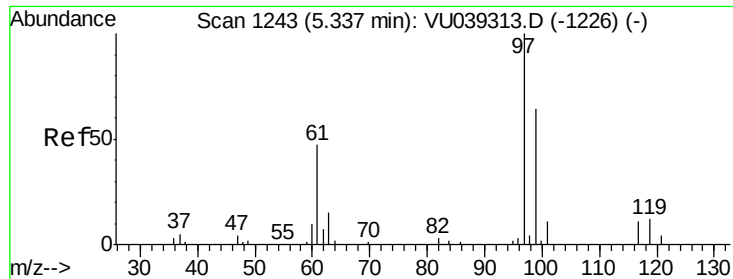
Tot Ion: 83 Resp: 75583
Ion Ratio Lower Upper
83 100
85 64.8 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.094 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

Tgt Ion: 62 Resp: 56730
Ion Ratio Lower Upper
62 100
98 7.6 6.3 9.5

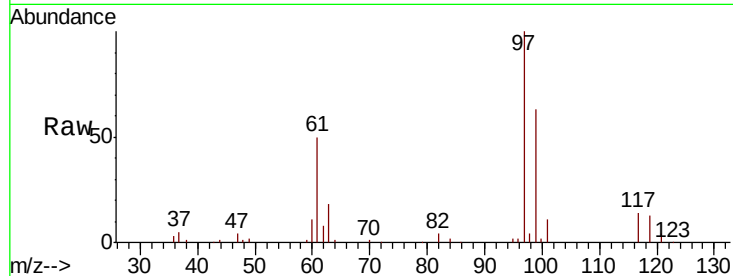




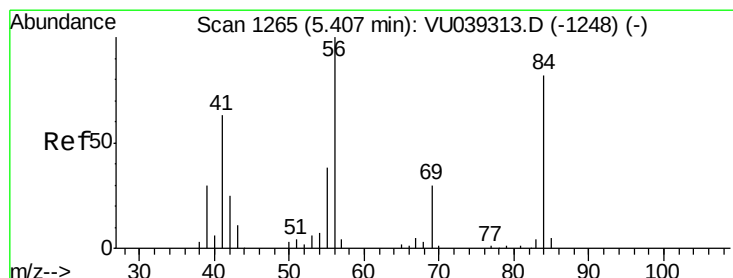
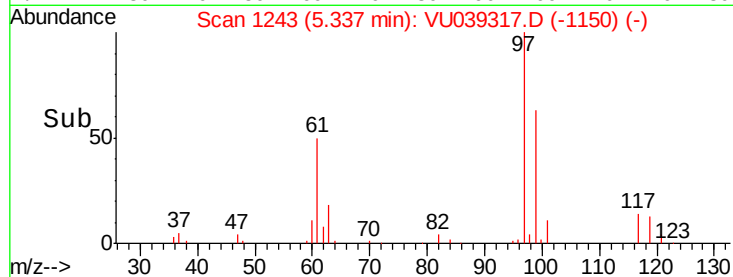
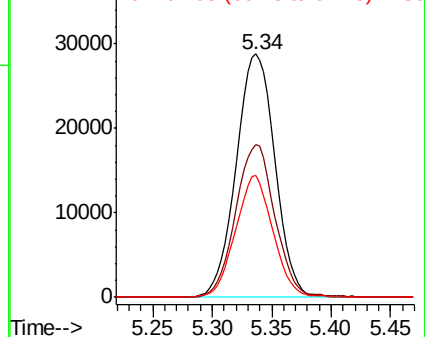
#29
1,1,1-Trichloroethane
Concen: 4.945 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion: 97 Resp: 65243
Ion Ratio Lower Upper
97 100
99 63.5 52.6 79.0
61 48.1 37.9 56.9

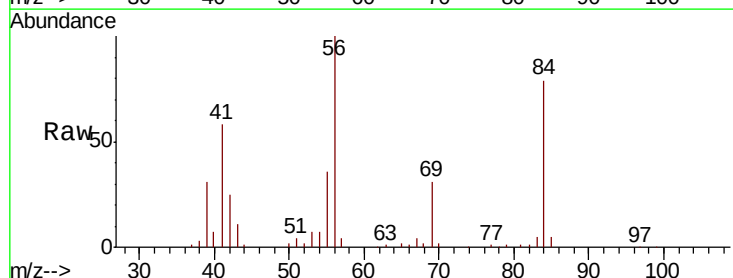


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

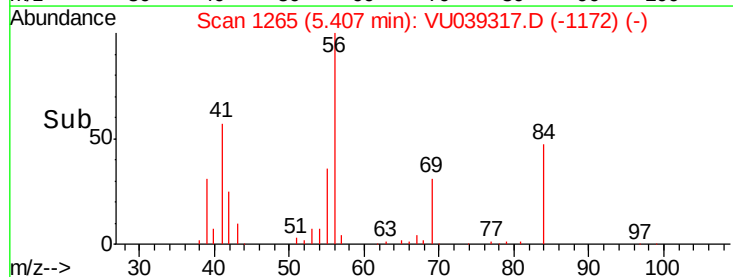
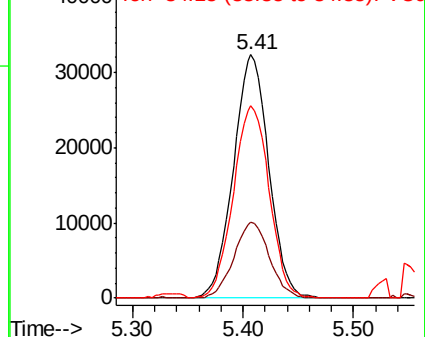


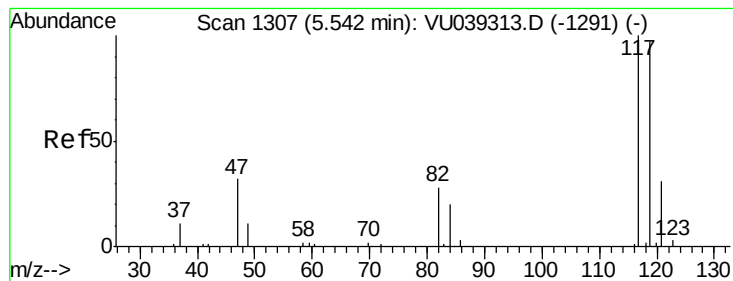
#30
Cyclohexane
Concen: 5.171 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

Tgt Ion: 56 Resp: 71818
Ion Ratio Lower Upper
56 100
69 31.3 24.1 36.1
84 80.6 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: 4.839 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

Instrument :

MSVOA_U

ClientSampleId :

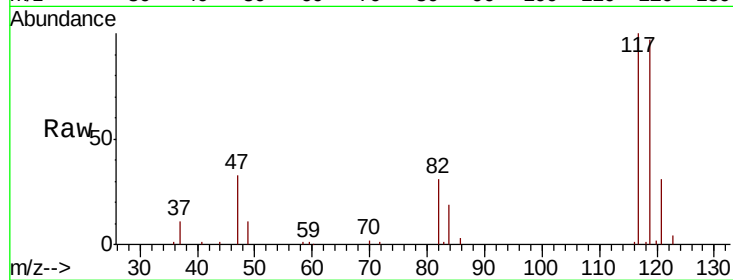
VSTD00529

Tot Ion:117 Resp: 54469

Ion Ratio Lower Upper

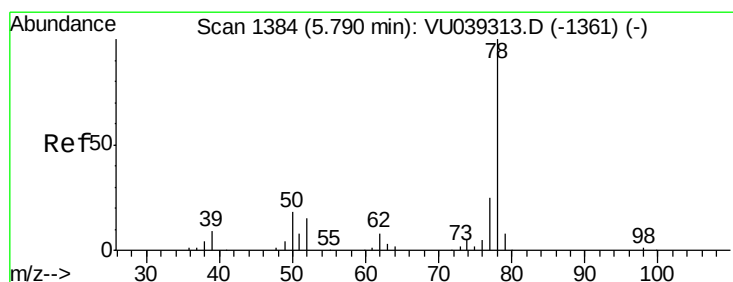
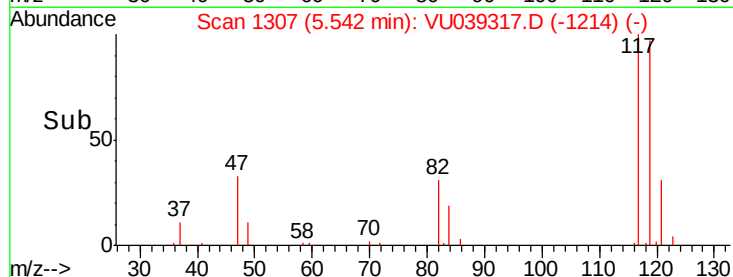
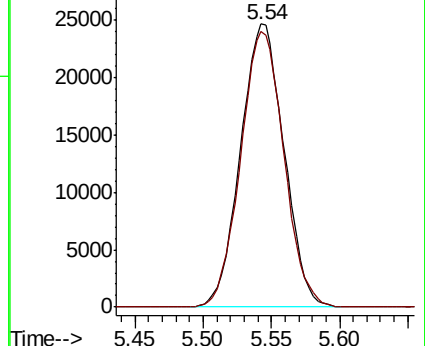
117 100

119 97.0 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: 4.861 ug/L

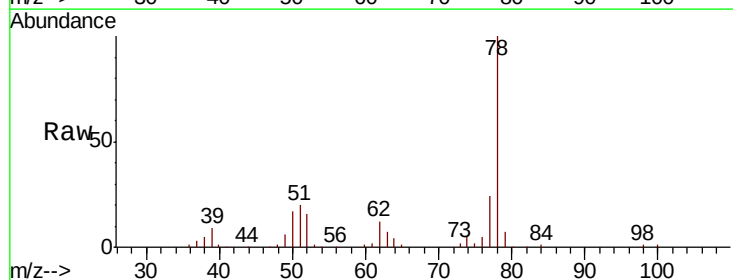
RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

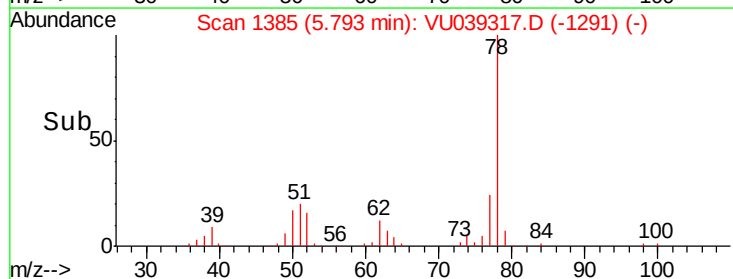
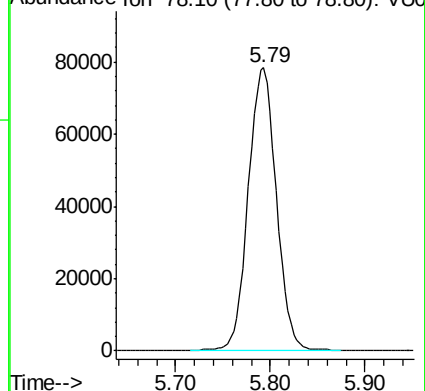
Lab File: VU039317.D

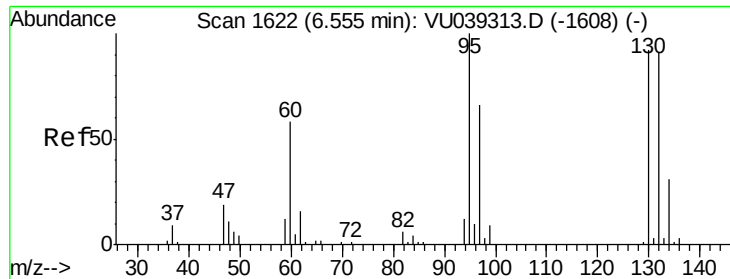
Acq: 07 Jul 2020 15:37

Tgt Ion: 78 Resp: 162798



Abundance Ion 78.10 (77.80 to 78.80): VU0

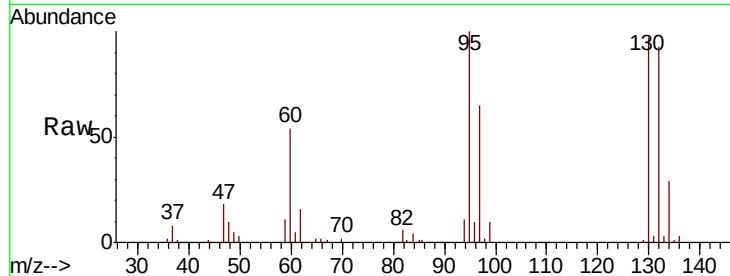




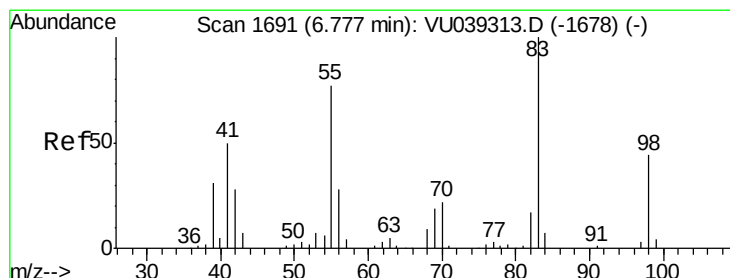
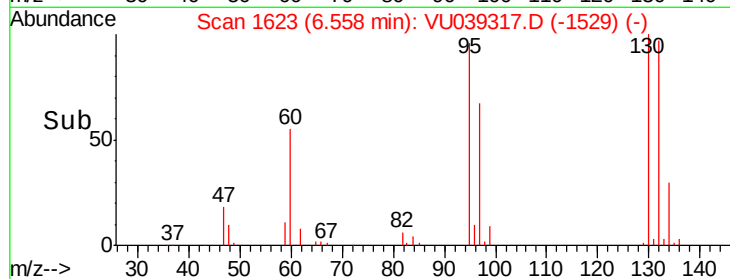
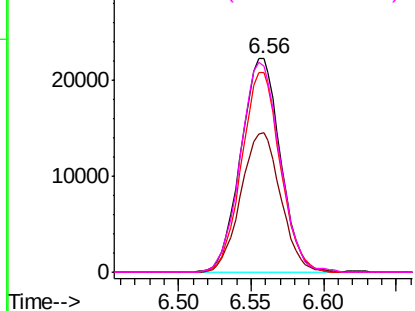
#34
 Trichloroethene
 Concen: 4.893 ug/L
 RT: 6.56 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: VU039317.D
 Acq: 07 Jul 2020 15:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion:	95	Resp:	42365
Ion	Ratio	Lower	Upper
95	100		
97	65.2	46.3	85.9
132	93.3	64.0	118.8
130	96.7	64.3	119.5

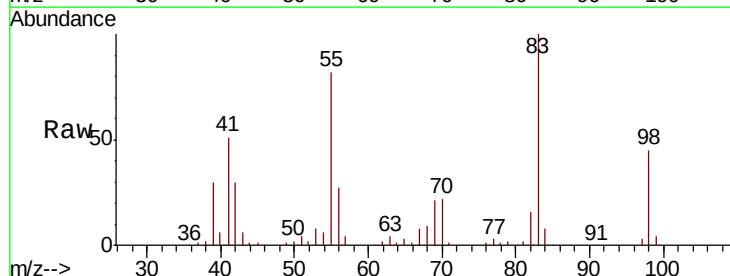


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

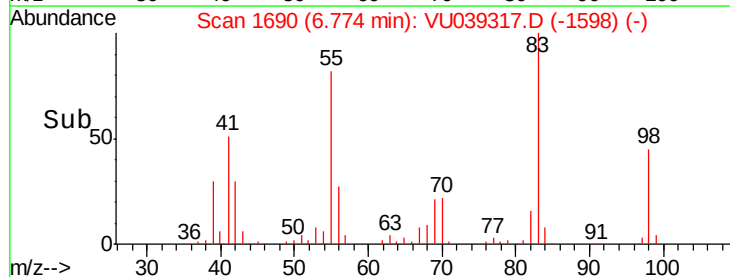
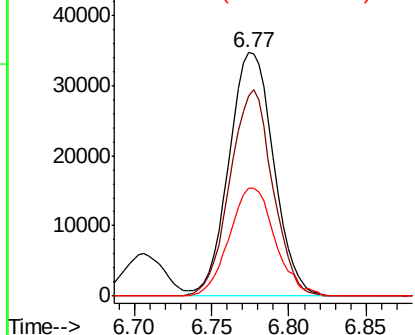


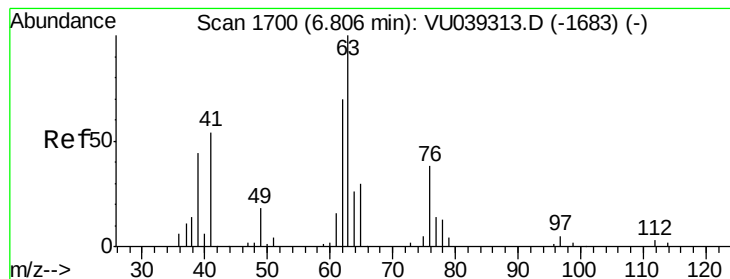
#35
 Methylcyclohexane
 Concen: 5.033 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039317.D
 Acq: 07 Jul 2020 15:37

Tgt Ion:	83	Resp:	69804
Ion	Ratio	Lower	Upper
83	100		
55	81.1	62.1	93.1
98	45.4	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: 4.859 ug/L

RT: 6.81 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

Instrument :

MSVOA_U

ClientSampleId :

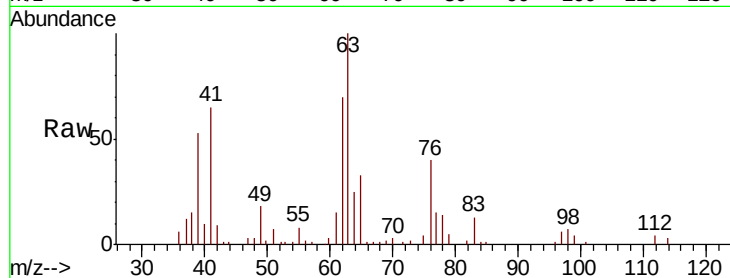
VSTD00529

Tot Ion: 63 Resp: 44364

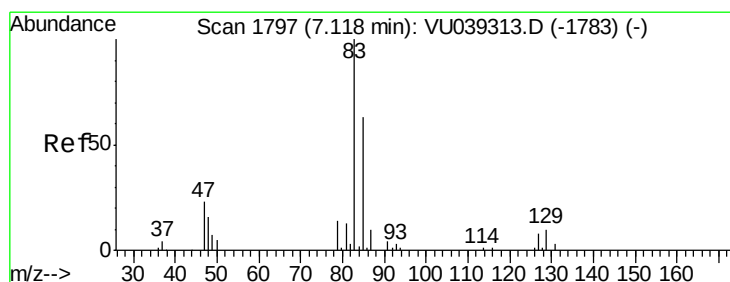
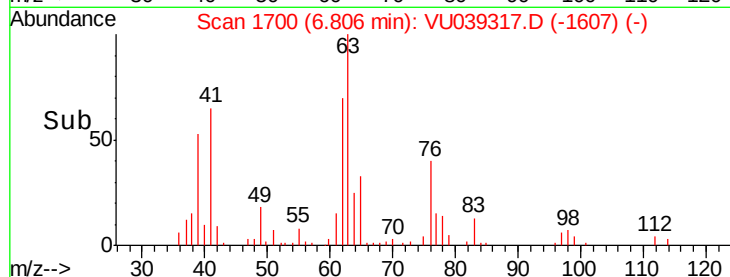
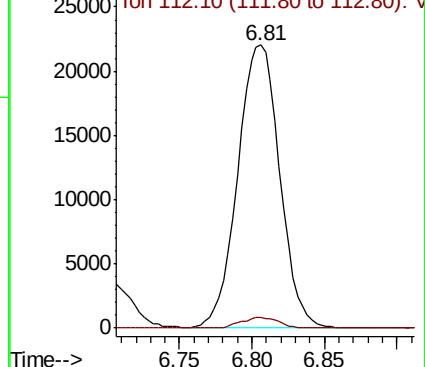
Ion Ratio Lower Upper

63 100

112 3.3 2.5 3.7



Abundance Ion 63.10 (62.80 to 63.80): VU039317.D (-1607) (-)



#38

Bromodichloromethane

Concen: 4.874 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

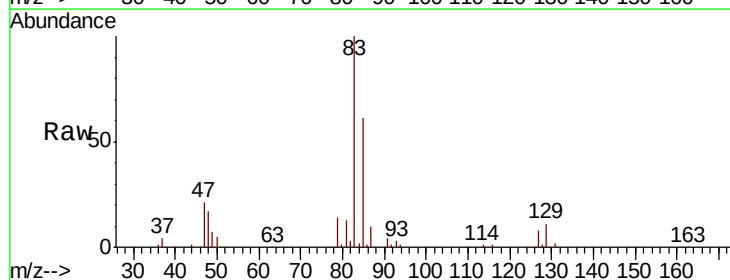
Tgt Ion: 83 Resp: 56819

Ion Ratio Lower Upper

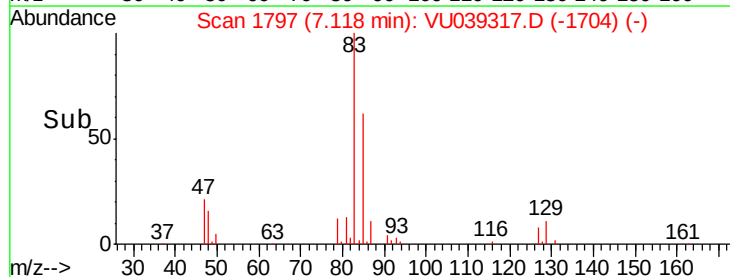
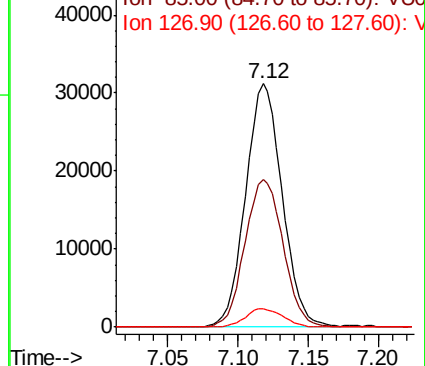
83 100

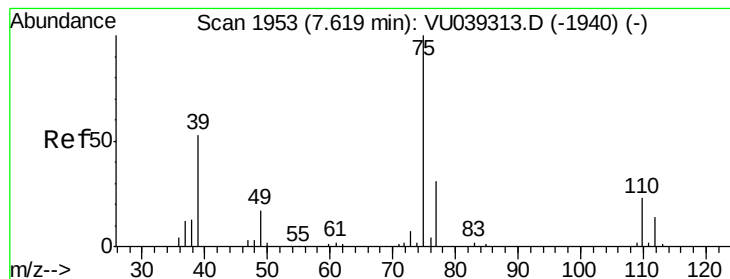
85 60.5 44.0 81.6

127 7.7 6.2 9.4



Abundance Ion 82.95 (82.65 to 83.65): VU039317.D (-1704) (-)



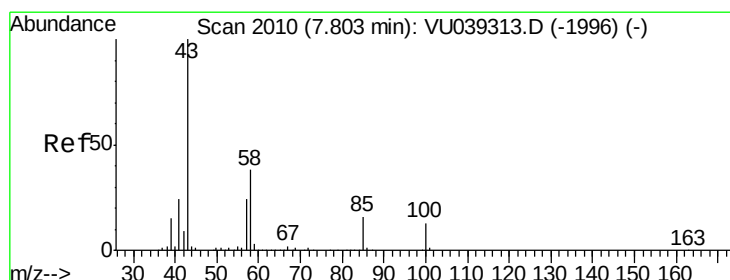
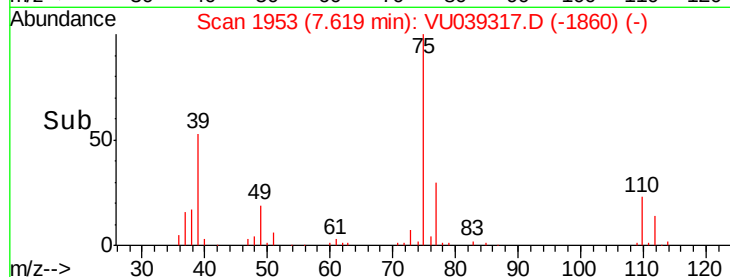
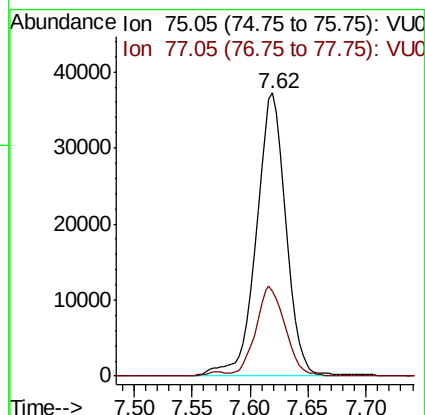
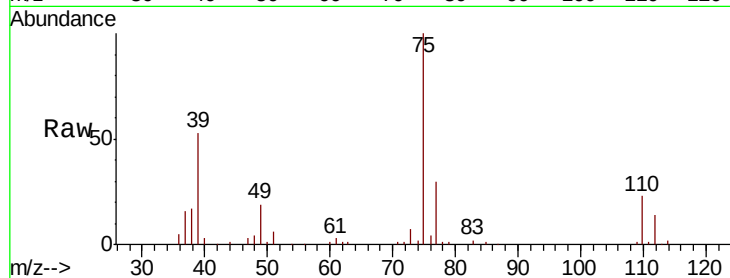


#39

cis-1,3-Dichloropropene
Concen: 4.824 ug/L
RT: 7.62 min Scan# 1953
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

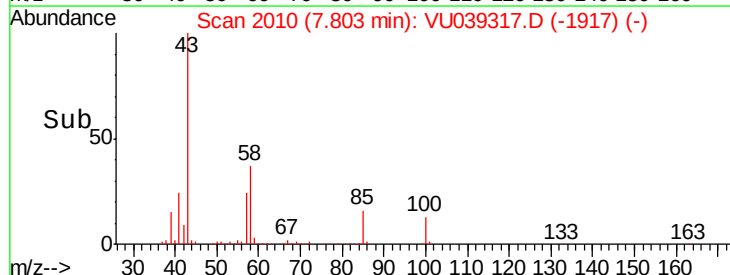
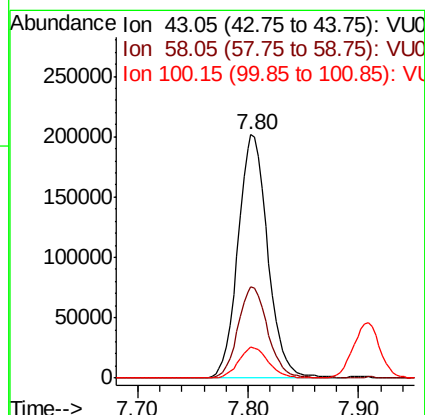
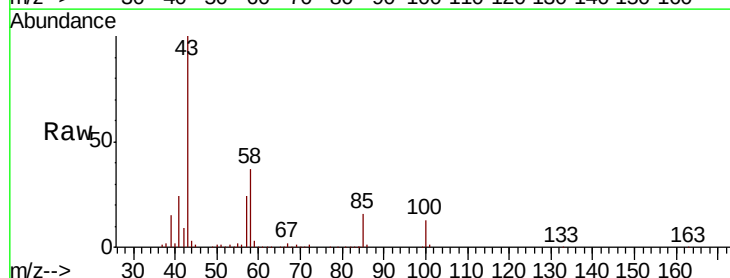
Tot Ion: 75 Resp: 66578
Ion Ratio Lower Upper
75 100
77 30.1 22.3 41.3

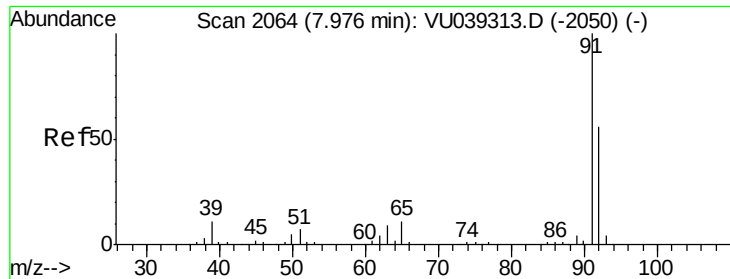


#40

4-Methyl-2-pentanone
Concen: 49.453 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

Tgt Ion: 43 Resp: 376625
Ion Ratio Lower Upper
43 100
58 37.6 30.5 45.7
100 12.8 10.3 15.5





#42

Toluene

Concen: 4.791 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

Instrument :

MSVOA_U

ClientSampleId :

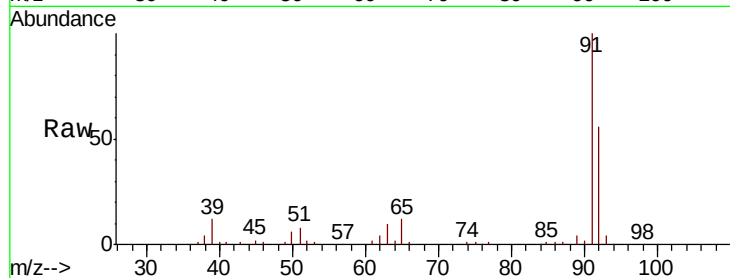
VSTD00529

Tot Ion: 91 Resp: 171798

Ion Ratio Lower Upper

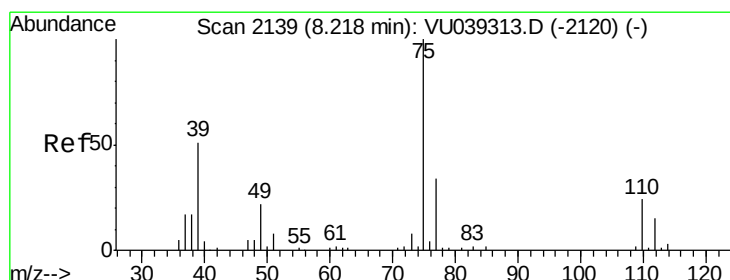
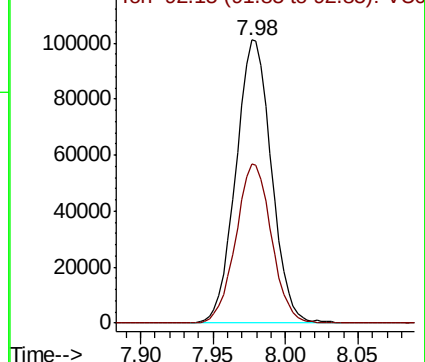
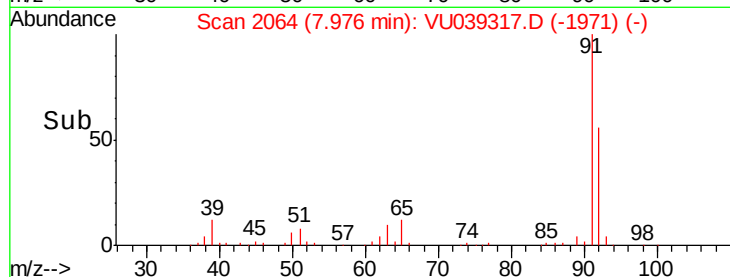
91 100

92 56.2 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039317.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU039317.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.893 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039317.D

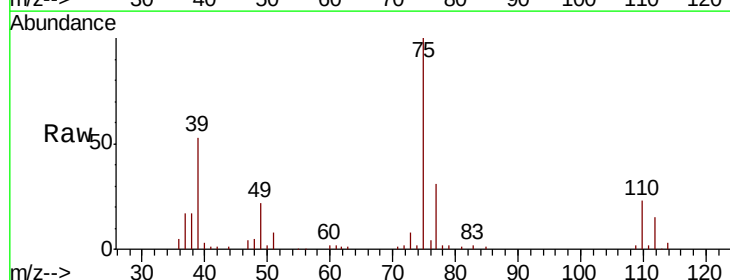
Acq: 07 Jul 2020 15:37

Tgt Ion: 75 Resp: 59905

Ion Ratio Lower Upper

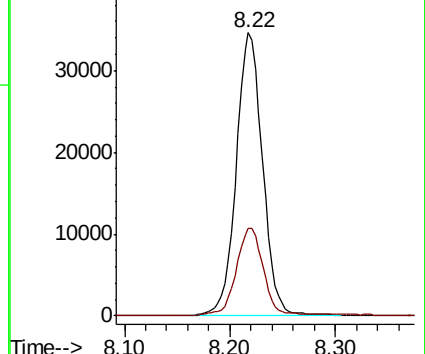
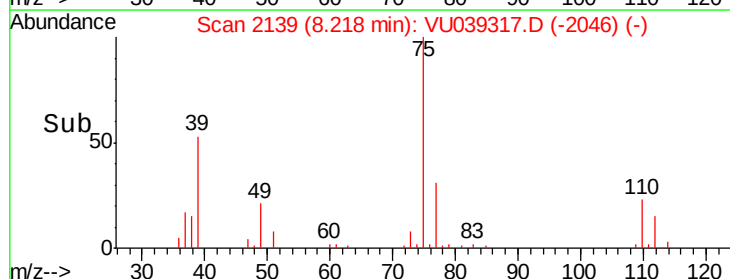
75 100

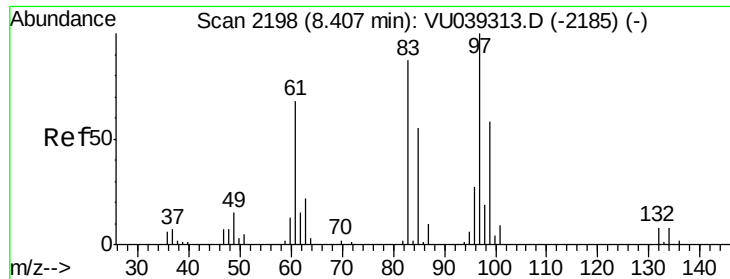
77 31.1 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039317.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU039317.D (-2046) (-)

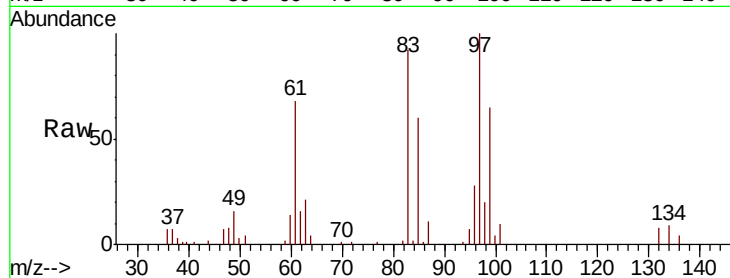




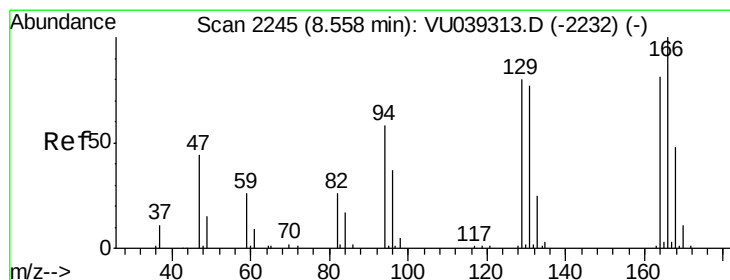
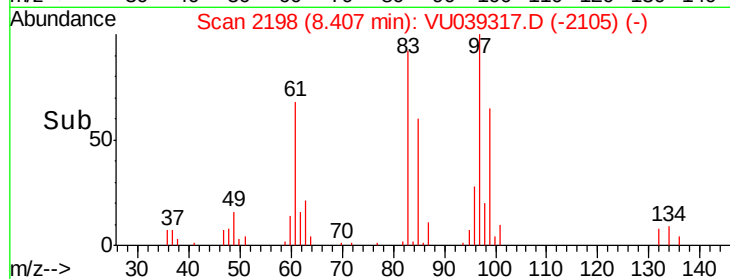
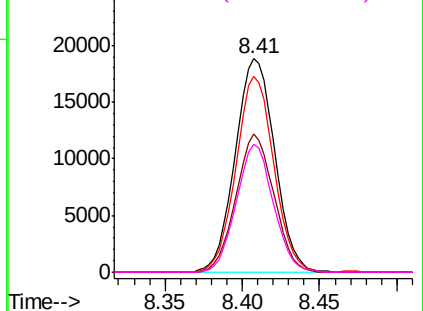
#45
 1,1,2-Trichloroethane
 Concen: 5.092 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039317.D
 Acq: 07 Jul 2020 15:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion:	97	Resp:	33390
Ion	Ratio	Lower	Upper
97	100		
99	64.8	40.7	75.7
83	91.7	60.6	112.6
85	60.0	38.3	71.1

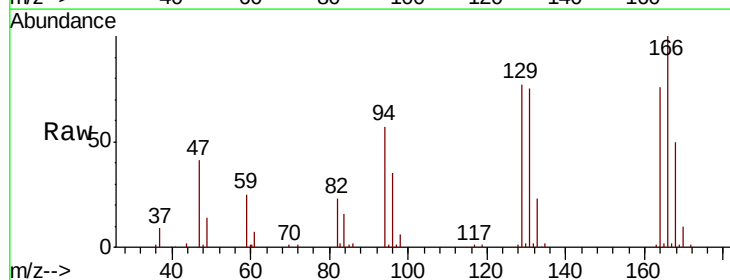


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

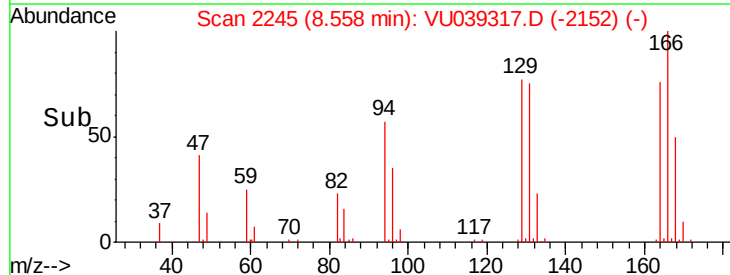
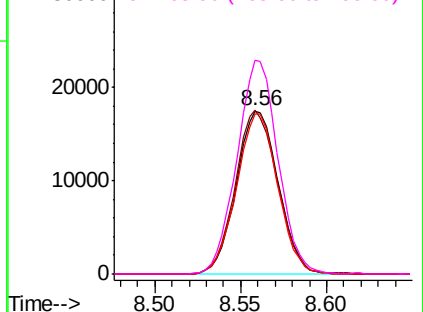


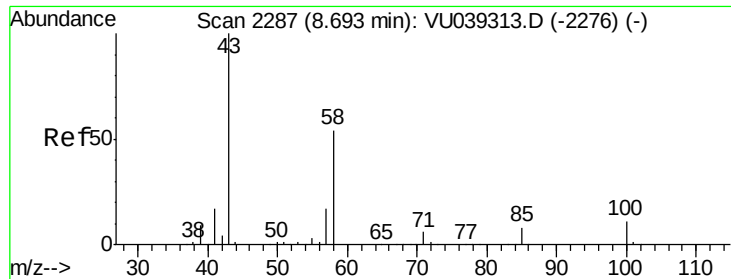
#47
 Tetrachloroethene
 Concen: 4.921 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039317.D
 Acq: 07 Jul 2020 15:37

Tgt Ion:	164	Resp:	29635
Ion	Ratio	Lower	Upper
164	100		
129	100.9	68.6	127.4
131	98.6	66.4	123.4
166	131.4	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

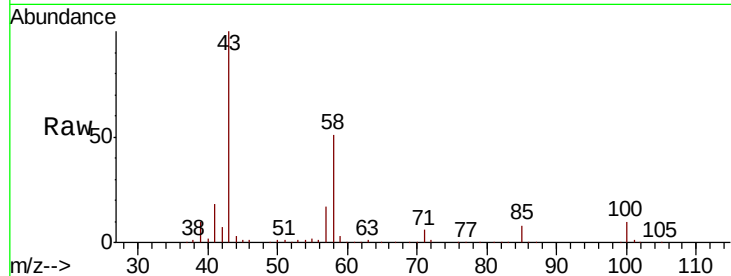




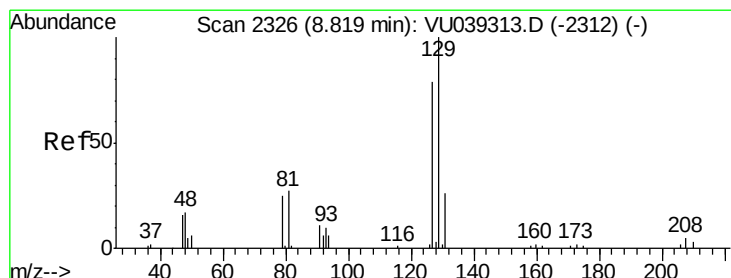
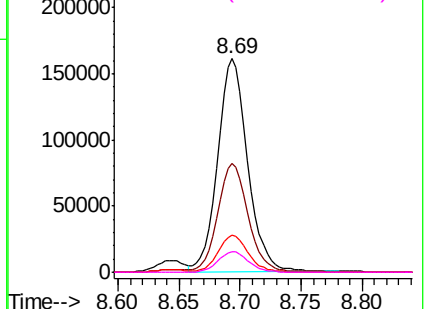
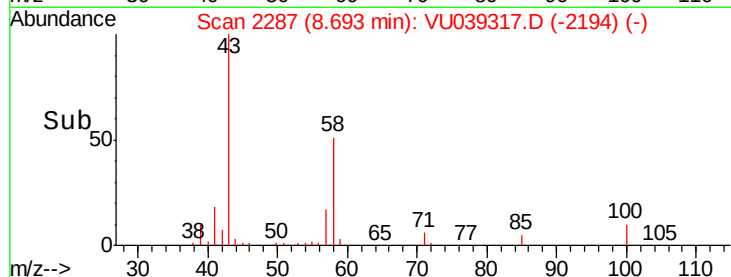
#48
2-Hexanone
Concen: 49.573 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion:	43	Resp:	278368
Ion	Ratio	Lower	Upper
43	100		
58	51.7	42.0	63.0
57	17.4	14.0	21.0
100	9.8	8.2	12.2

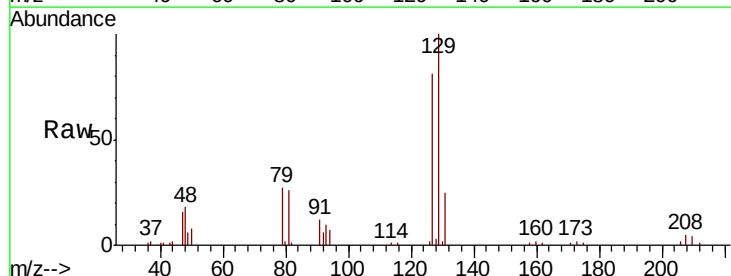


Abundance Ion 43.05 (42.75 to 43.75): VU039317.D (-2194) (-)
Ion 58.05 (57.75 to 58.75): VU039317.D (-2194) (-)
Ion 57.20 (56.90 to 57.90): VU039317.D (-2194) (-)
Ion 100.15 (99.85 to 100.85): VU039317.D (-2194) (-)

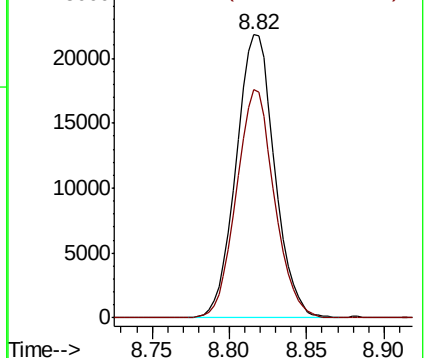
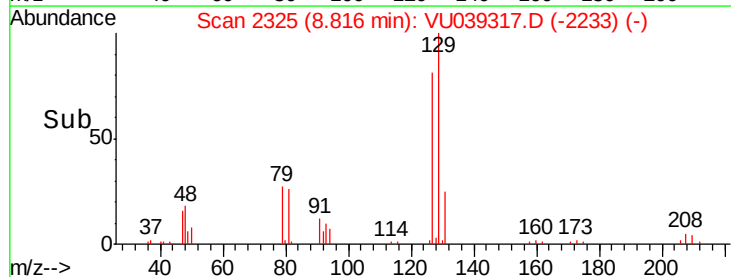


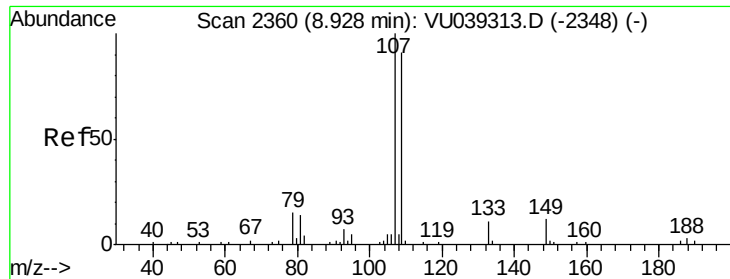
#49
Dibromochloromethane
Concen: 4.754 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

Tgt Ion:	129	Resp:	37762
Ion	Ratio	Lower	Upper
129	100		
127	80.9	55.4	102.8



Abundance Ion 128.95 (128.65 to 129.65): VU039317.D (-2233) (-)
Ion 126.90 (126.60 to 127.60): VU039317.D (-2233) (-)

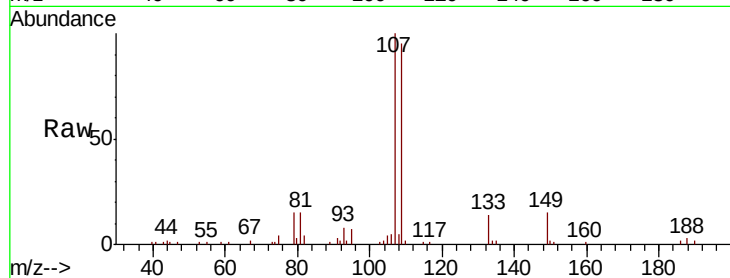




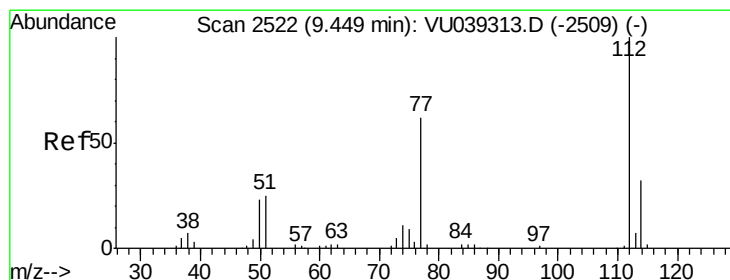
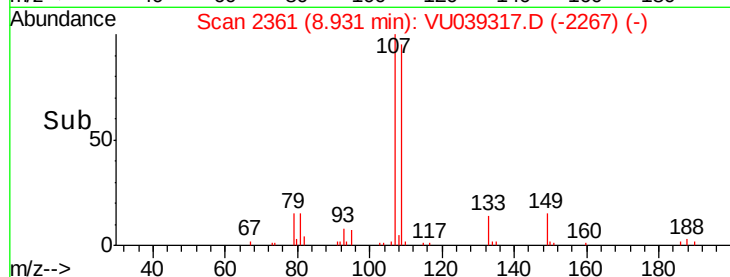
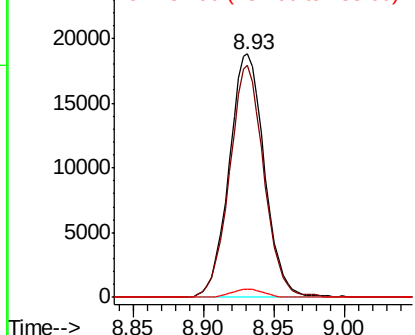
#50
 1,2-Dibromoethane
 Concen: 4.940 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039317.D
 Acq: 07 Jul 2020 15:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion:107 Resp: 32912
 Ion Ratio Lower Upper
 107 100
 109 95.4 64.0 118.8
 188 3.3 2.6 3.8

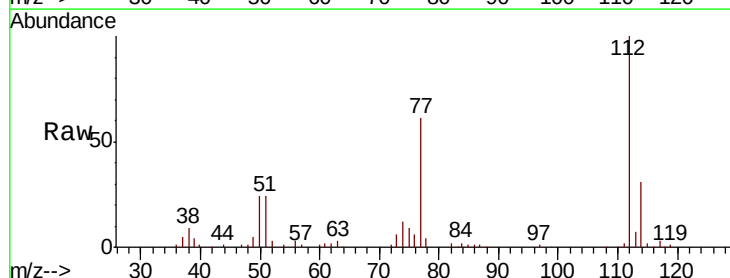


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

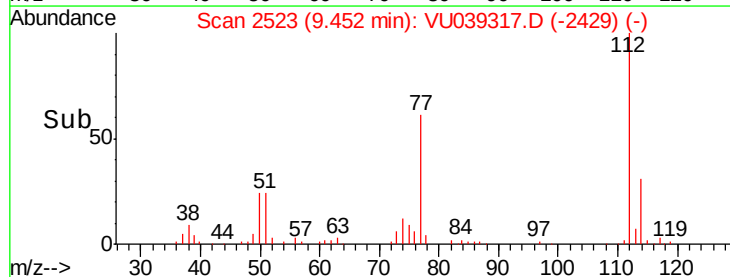
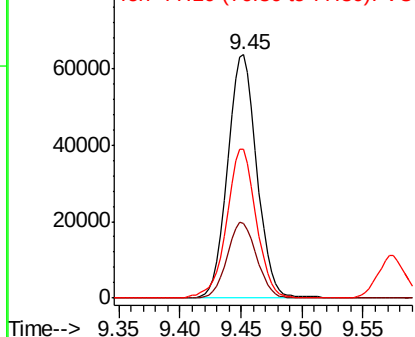


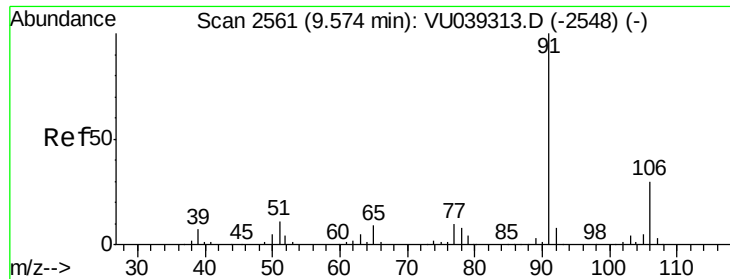
#51
 Chlorobenzene
 Concen: 4.860 ug/L
 RT: 9.45 min Scan# 2523
 Delta R.T. 0.00 min
 Lab File: VU039317.D
 Acq: 07 Jul 2020 15:37

Tgt Ion:112 Resp: 106509
 Ion Ratio Lower Upper
 112 100
 114 30.5 22.1 41.1
 77 61.0 49.9 74.9



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





#52

Ethylbenzene

Concen: 4.904 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

Instrument :

MSVOA_U

ClientSampleId :

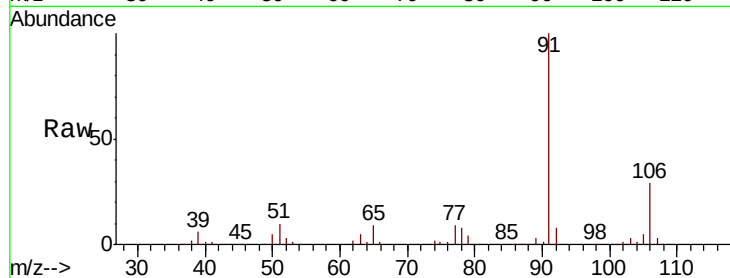
VSTD00529

Tot Ion: 91 Resp: 194374

Ion Ratio Lower Upper

91 100

106 29.0 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039317.D (-2548) (-)

Ion 106.15 (105.85 to 106.85): VU039317.D (-2548) (-)

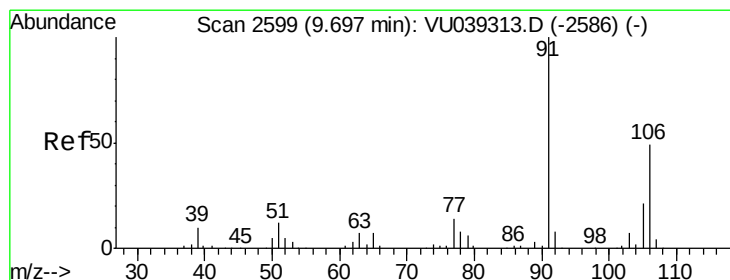
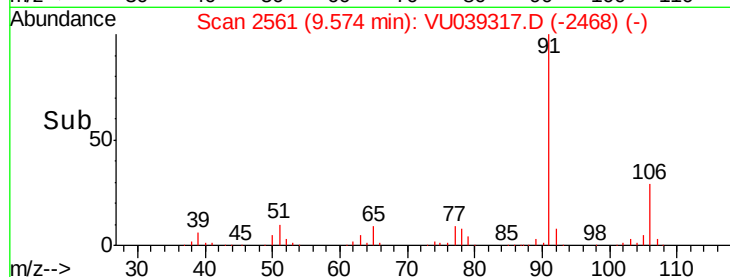
9.57

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 4.844 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039317.D

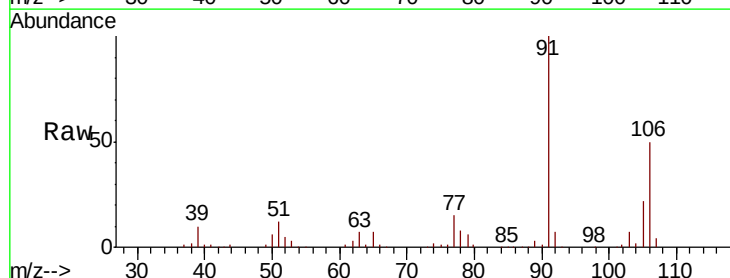
Acq: 07 Jul 2020 15:37

Tgt Ion: 106 Resp: 72329

Ion Ratio Lower Upper

106 100

91 200.4 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039317.D (-2586) (-)

Ion 91.15 (90.85 to 91.85): VU039317.D (-2586) (-)

9.70

100000

80000

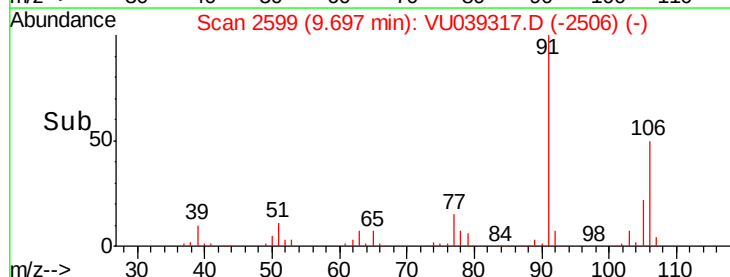
60000

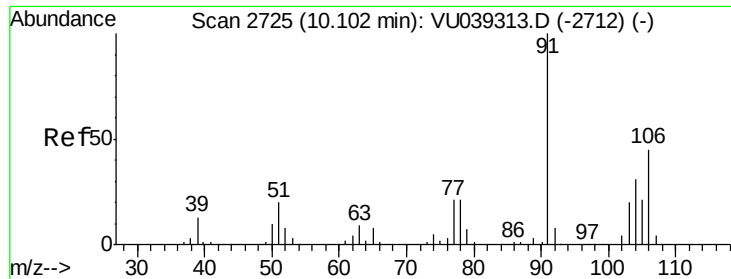
40000

20000

0

Time-->

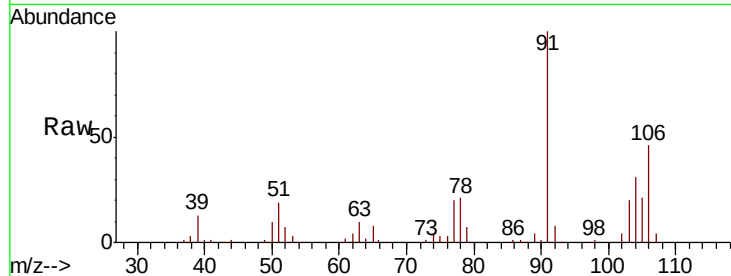




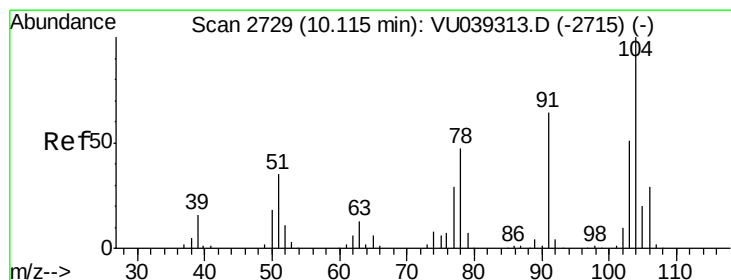
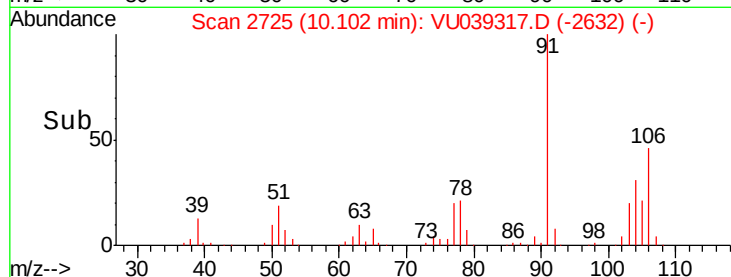
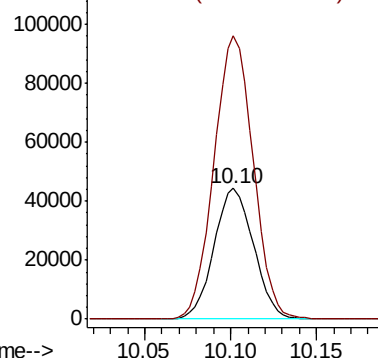
#54
o-Xylene
Concen: 4.870 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion:106 Resp: 70802
Ion Ratio Lower Upper
106 100
91 216.7 154.6 287.2

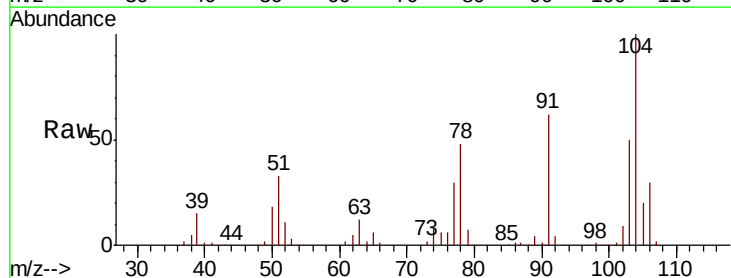


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

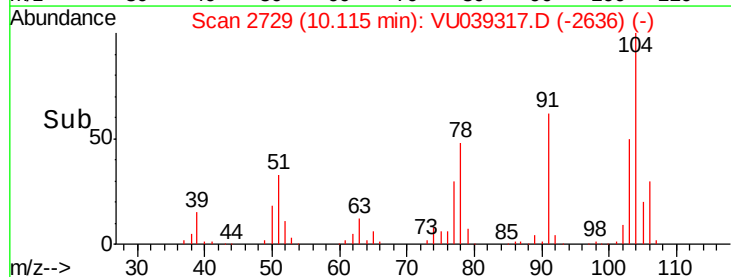
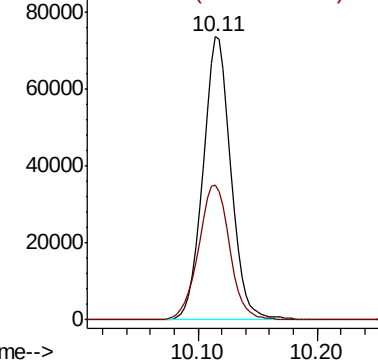


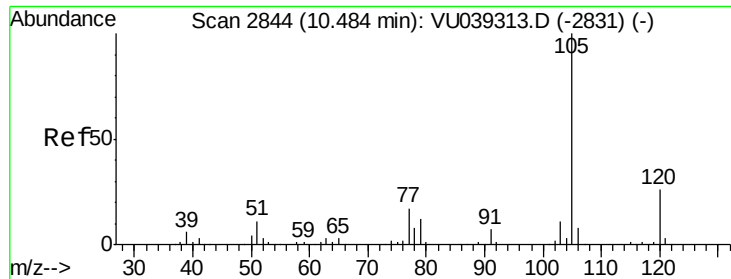
#55
Styrene
Concen: 4.721 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039317.D
Acq: 07 Jul 2020 15:37

Tgt Ion:104 Resp: 119415
Ion Ratio Lower Upper
104 100
78 47.9 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: 4.861 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

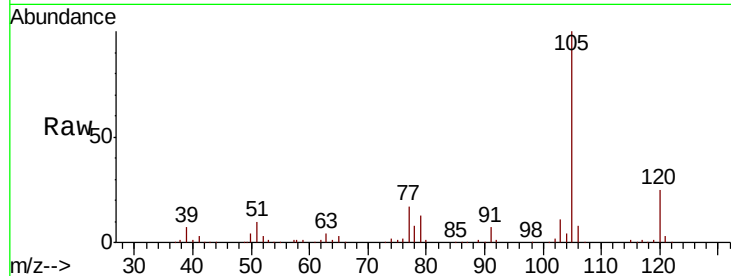
Tot Ion:105 Resp: 191135

Ion Ratio Lower Upper

105 100

120 25.4 20.7 31.1

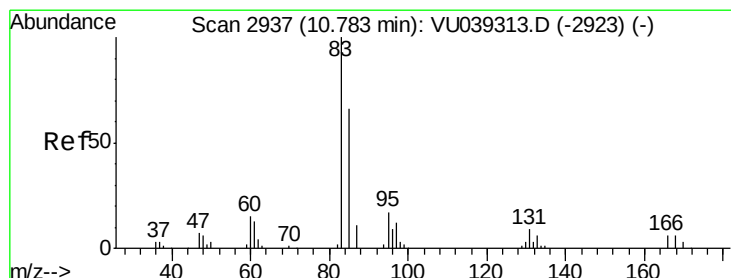
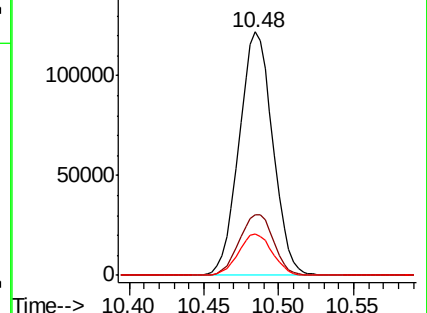
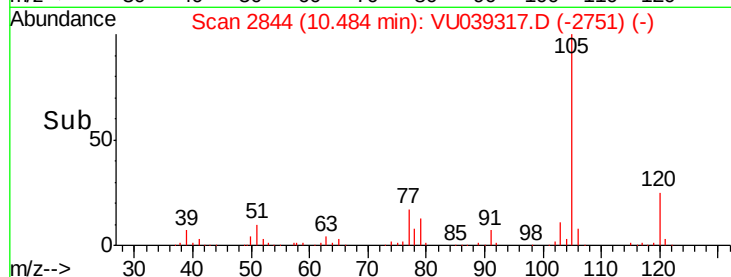
77 17.0 13.9 20.9



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: 4.842 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

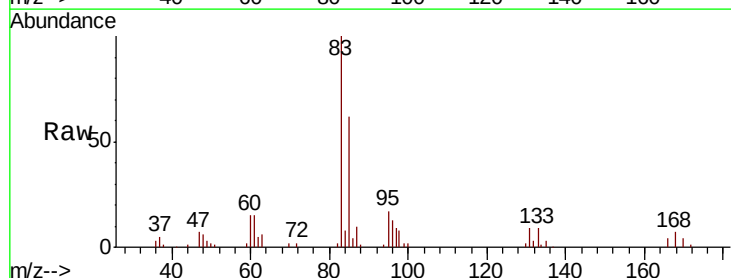
Tgt Ion: 83 Resp: 44194

Ion Ratio Lower Upper

83 100

85 61.8 46.1 85.7

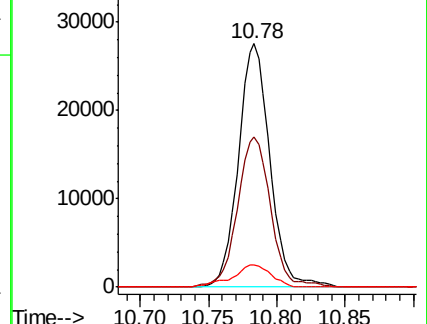
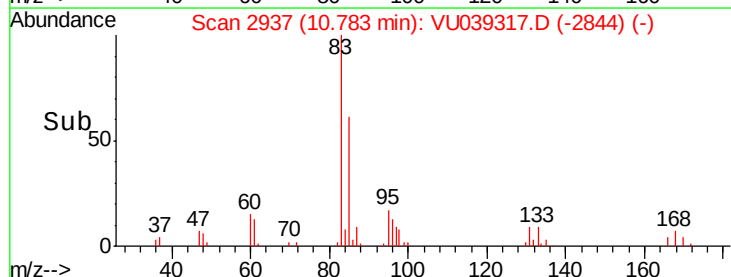
131 9.0 7.4 11.0

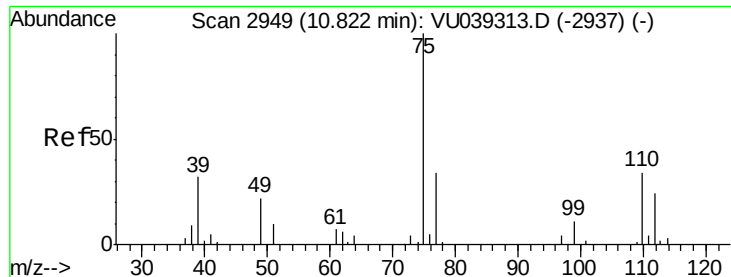


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.718 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

Instrument :

MSVOA_U

ClientSampleId :

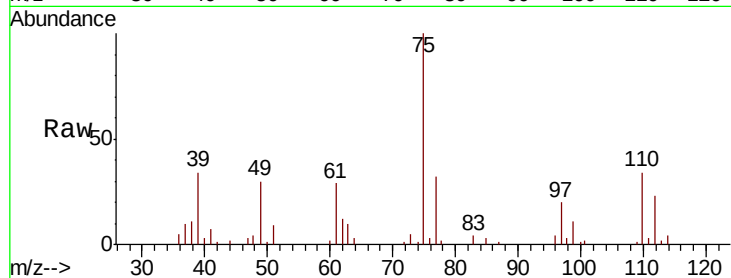
VSTD00529

Tot Ion: 75 Resp: 31742

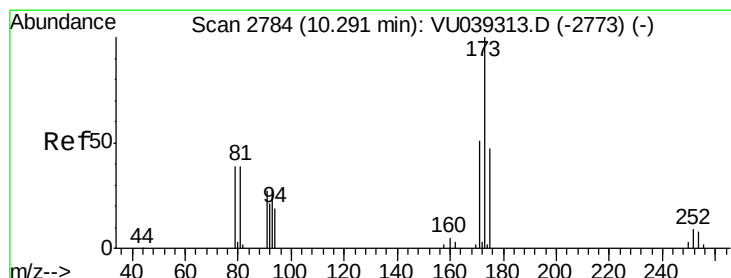
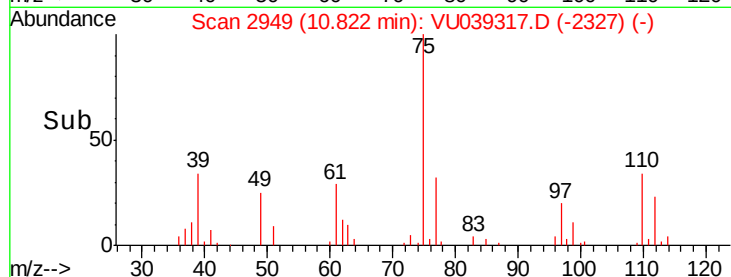
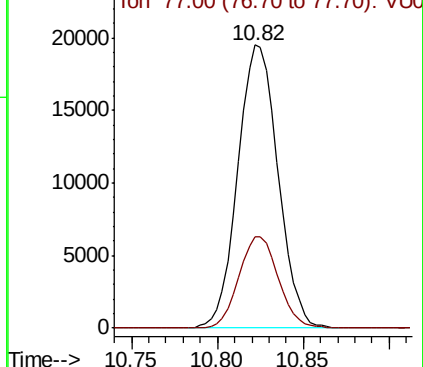
Ion Ratio Lower Upper

75 100

77 31.7 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039317.D (-2937) (-)



#61

Bromoform

Concen: 4.778 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

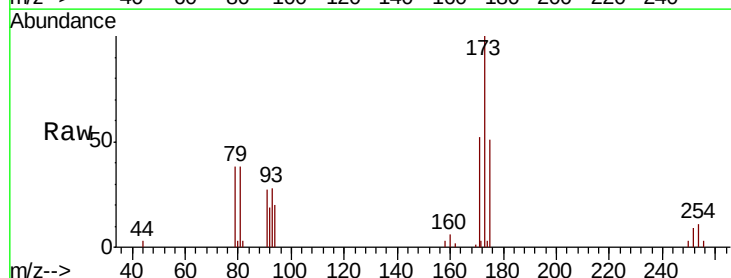
Tgt Ion: 173 Resp: 21761

Ion Ratio Lower Upper

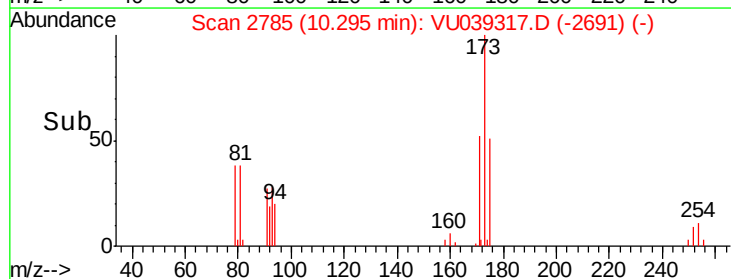
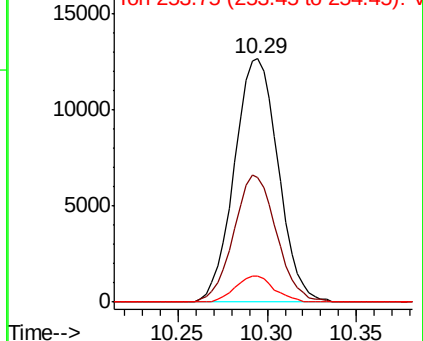
173 100

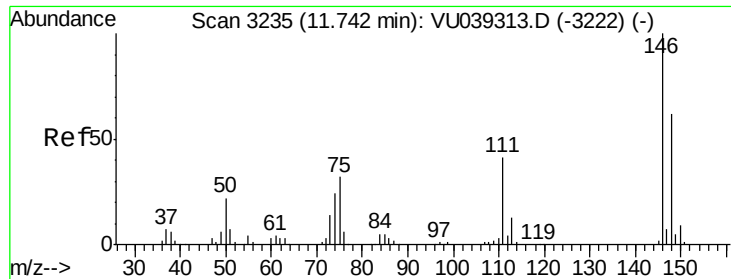
175 50.8 37.5 56.3

254 9.5 6.7 10.1



Abundance Ion 172.90 (172.60 to 173.60): VU039317.D (-2773) (-)

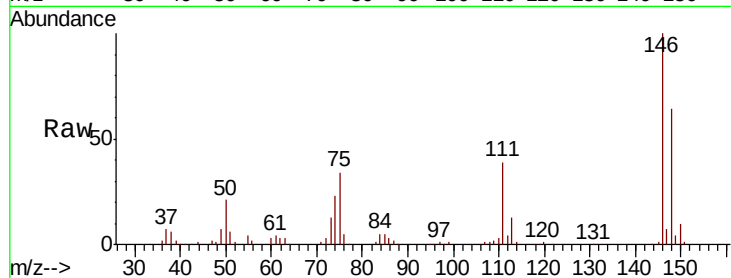




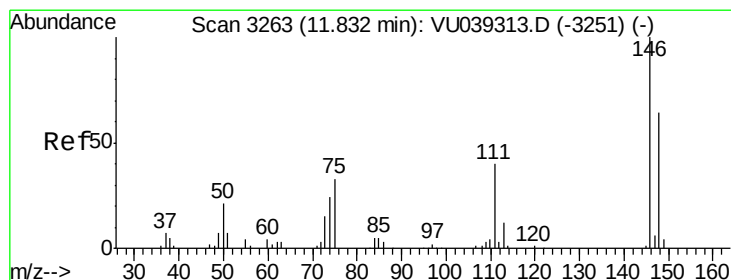
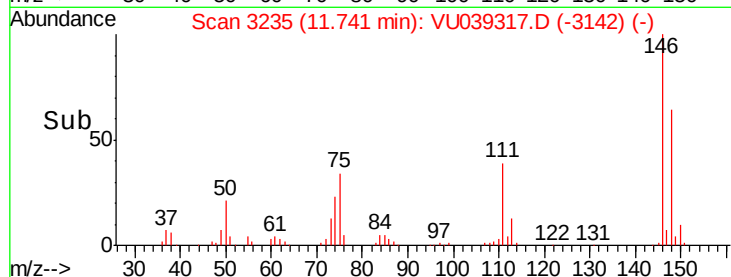
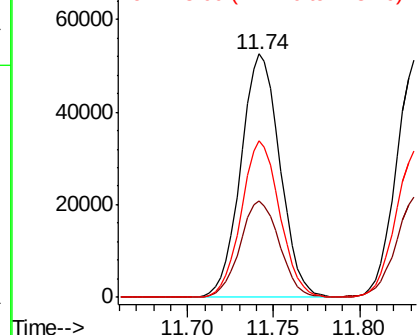
#62
 1,3-Dichlorobenzene
 Concen: 4.889 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039317.D
 Acq: 07 Jul 2020 15:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion:146 Resp: 82786
 Ion Ratio Lower Upper
 146 100
 111 39.3 29.0 53.8
 148 64.2 43.5 80.9

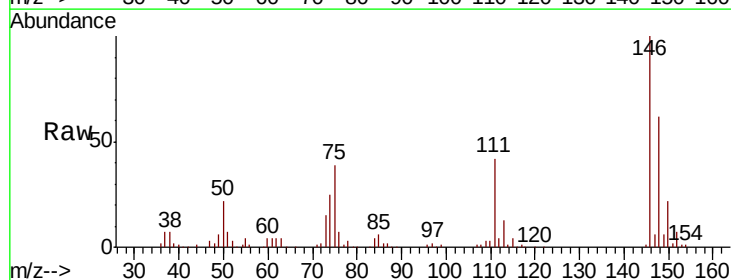


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

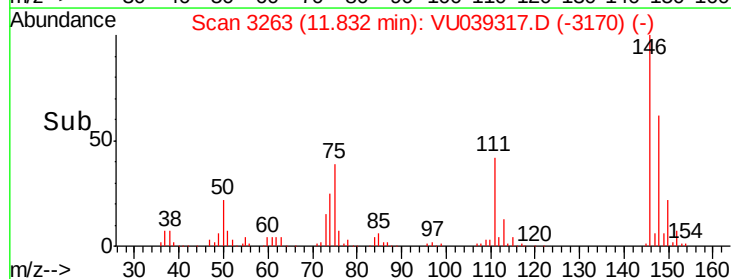
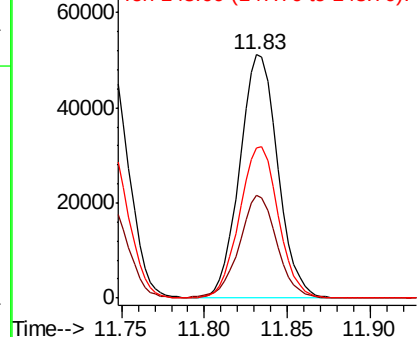


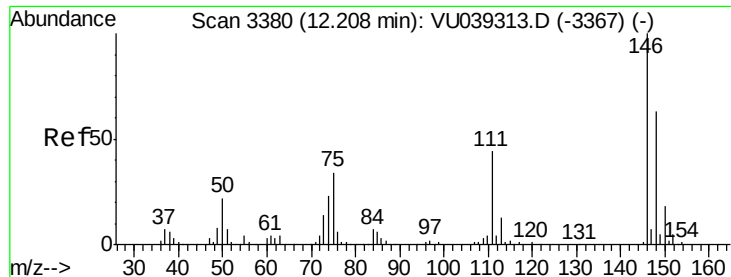
#63
 1,4-Dichlorobenzene
 Concen: 4.813 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039317.D
 Acq: 07 Jul 2020 15:37

Tgt Ion:146 Resp: 81763
 Ion Ratio Lower Upper
 146 100
 111 42.4 28.6 53.0
 148 61.7 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: 4.756 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

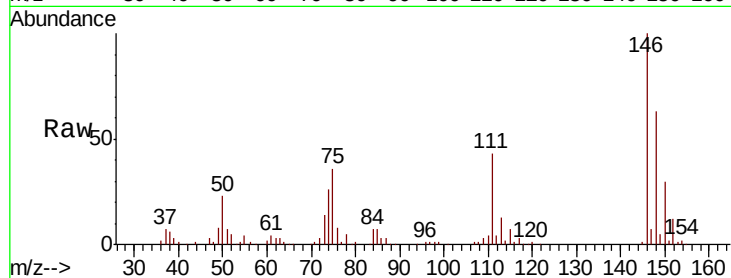
Tot Ion:146 Resp: 80733

Ion Ratio Lower Upper

146 100

111 42.5 35.0 52.4

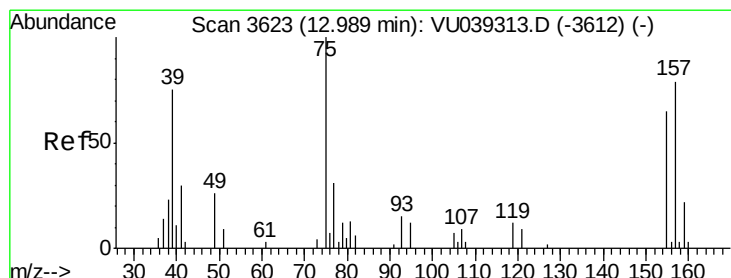
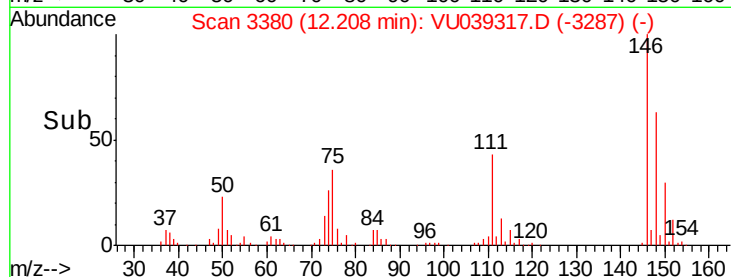
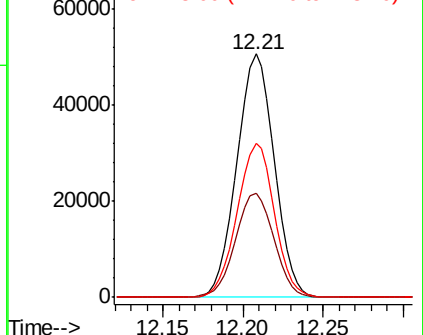
148 63.1 50.6 75.8



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: 5.275 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

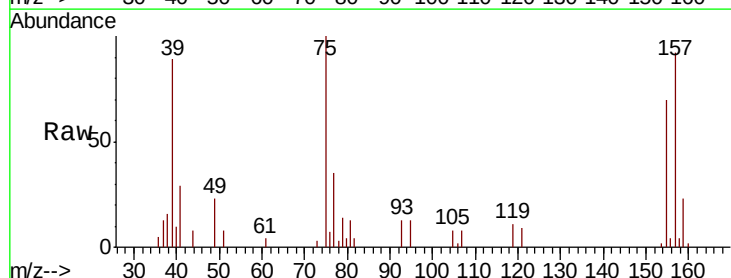
Tgt Ion: 75 Resp: 7910

Ion Ratio Lower Upper

75 100

155 69.6 51.9 77.9

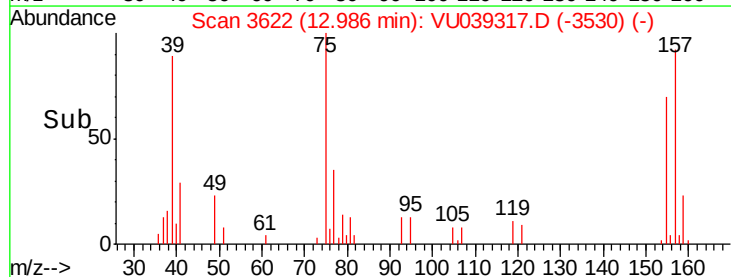
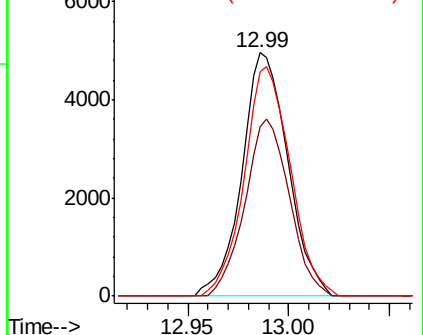
157 92.0 63.2 94.8

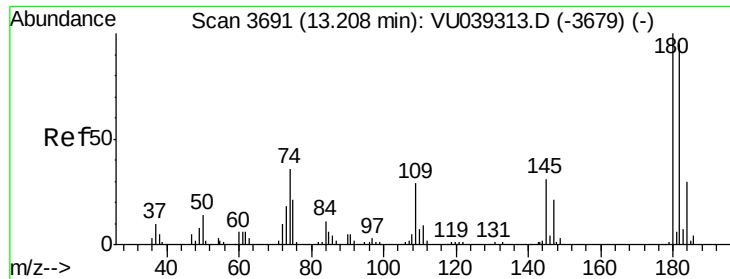


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

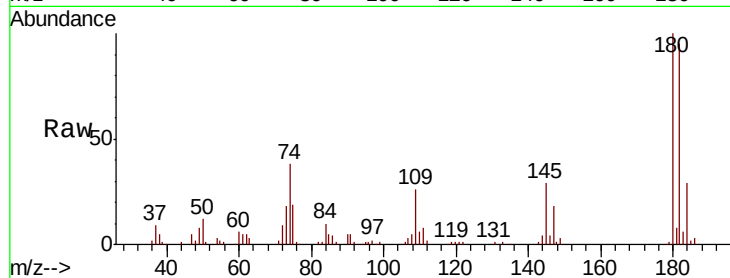




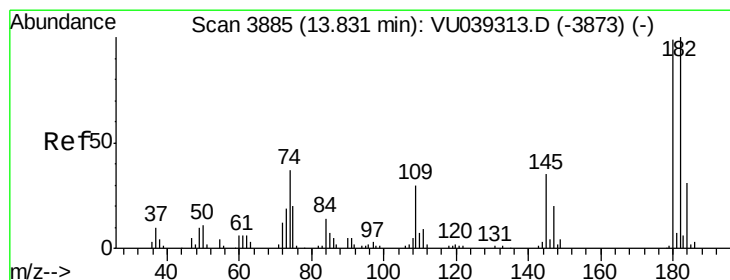
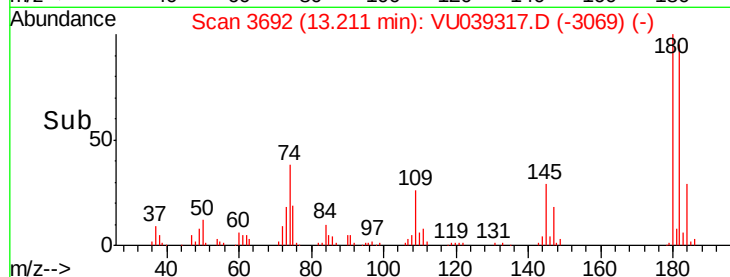
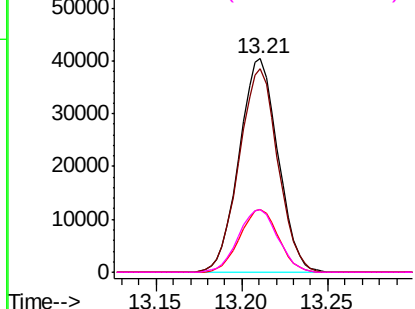
#67
 1,3,5-Trichlorobenzene
 Concen: 4.985 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039317.D
 Acq: 07 Jul 2020 15:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion:180 Resp: 63174
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.2 114.4
 184 29.4 24.2 36.4
 145 30.0 24.2 36.2

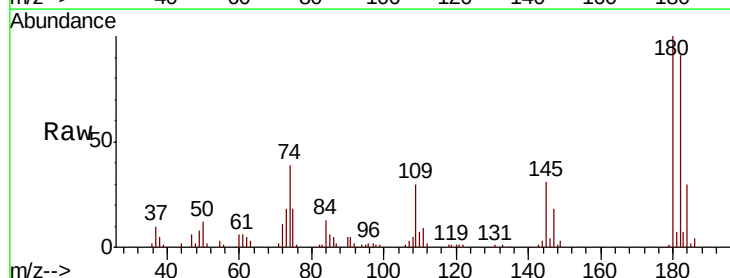


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

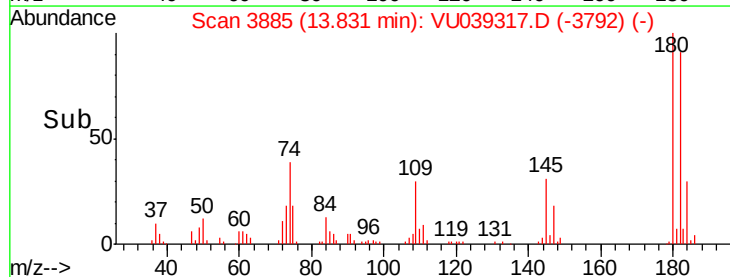
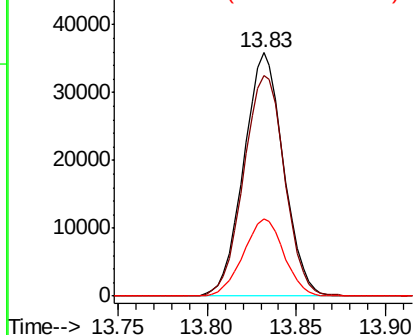


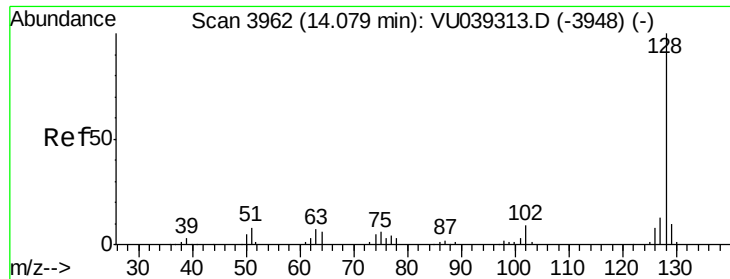
#68
 1,2,4-trichlorobenzene
 Concen: 5.144 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039317.D
 Acq: 07 Jul 2020 15:37

Tgt Ion:180 Resp: 55780
 Ion Ratio Lower Upper
 180 100
 182 93.4 79.4 119.2
 145 32.4 26.4 39.6



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: 5.083 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

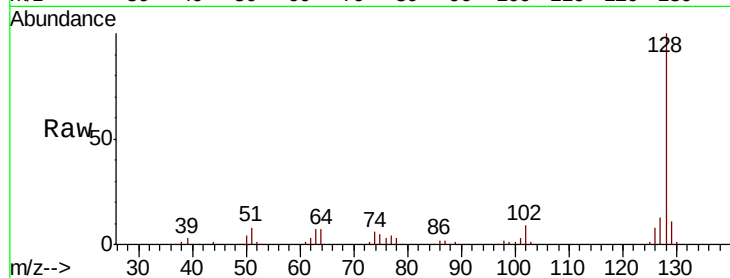
Tot Ion:128 Resp: 110922

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

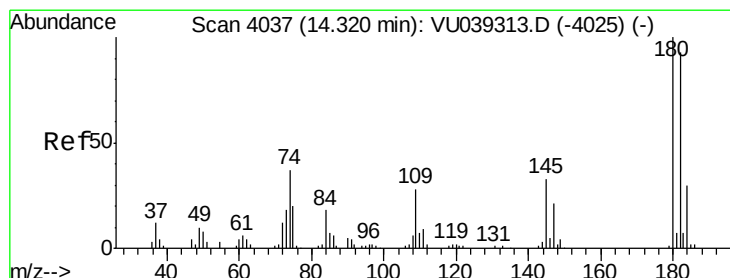
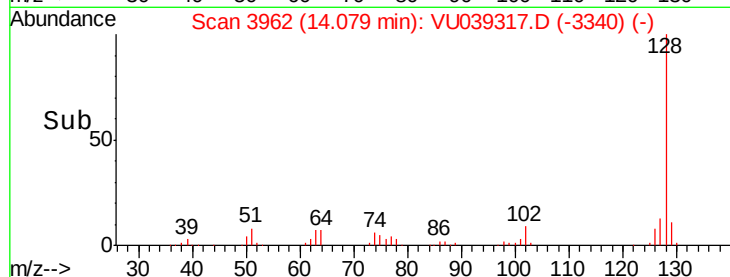
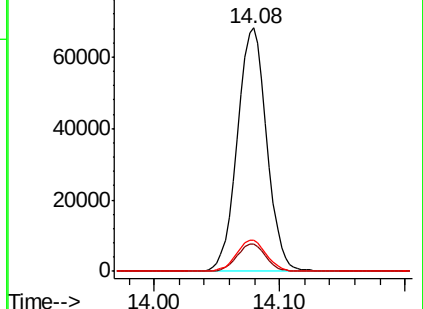
127 13.0 10.4 15.6



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: 5.139 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039317.D

Acq: 07 Jul 2020 15:37

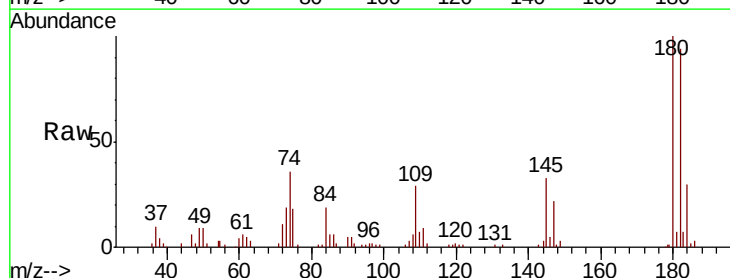
Tgt Ion:180 Resp: 51637

Ion Ratio Lower Upper

180 100

182 92.6 74.2 111.2

145 33.6 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

