

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071720\
 Data File : VU039563.D
 Acq On : 17 Jul 2020 20:16
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Quant Time: Jul 17 23:45:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 17 23:38:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	93090	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	94498	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47870	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	22030	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.93	69	23308	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.58	63	48576	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.60%
20) 2-Butanone-d5	4.66	46	110646	44.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.64%
24) Chloroform-d	5.08	84	49438	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	5.72	65	36329	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.74	84	101115	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.71	67	34851	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	7.91	98	95126	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	8.19	79	15250	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.64	63	85654	40.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.82%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	34782	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	38284	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	28465	5.045 ug/L	97
3) Chloromethane	1.53	50	30216	4.420 ug/L	97
5) Vinyl chloride	1.61	62	31590	4.162 ug/L	99
6) Bromomethane	1.87	94	19148	5.858 ug/L	94
8) Chloroethane	1.94	64	23941	4.366 ug/L	99
9) Trichlorofluoromethane	2.15	101	67611	5.130 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	27428	5.071 ug/L	97
12) 1,1-Dichloroethene	2.59	96	24636	4.450 ug/L	96
13) Acetone	2.66	43	56674	42.532 ug/L	96
14) Carbon disulfide	2.81	76	74574	3.824 ug/L	100
15) Methyl Acetate	2.97	43	15007	4.264 ug/L	94
16) Methylene chloride	3.06	84	39367	5.653 ug/L	92
17) Methyl tert-butyl Ether	3.38	73	75212	4.311 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	27215	4.440 ug/L	98
19) 1,1-Dichloroethane	3.89	63	54458	4.541 ug/L	99
21) 2-Butanone	4.74	43	104351	43.875 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	32981	4.799 ug/L	95

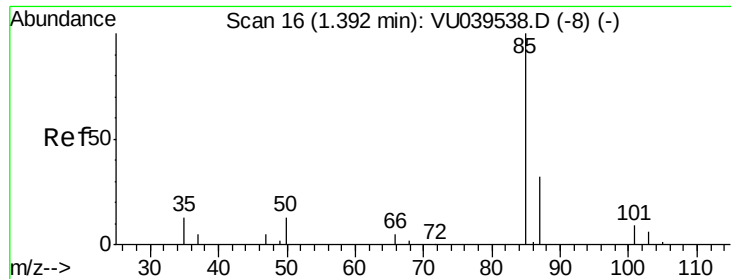
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071720\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	14282	4.574	ug/L	98
25) Chloroform	5.11	83	64912	5.360	ug/L	97
27) 1,2-Dichloroethane	5.81	62	43796	4.999	ug/L	100
29) 1,1,1-Trichloroethane	5.34	97	51635	4.639	ug/L	96
30) Cyclohexane	5.41	56	49703	4.242	ug/L	98
31) Carbon tetrachloride	5.54	117	43399	4.570	ug/L	99
33) Benzene	5.79	78	122114	4.322	ug/L	100
34) Trichloroethene	6.56	95	33326	4.563	ug/L	96
35) Methylcyclohexane	6.78	83	49634	4.242	ug/L	99
37) 1,2-Dichloropropane	6.81	63	33851	4.395	ug/L	100
38) Bromodichloromethane	7.12	83	43262	4.399	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	47423	4.073	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	265484	41.321	ug/L	97
42) Toluene	7.98	91	137425	4.542	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	42681	4.132	ug/L	99
45) 1,1,2-Trichloroethane	8.41	97	24921	4.505	ug/L	95
47) Tetrachloroethene	8.56	164	22925	4.512	ug/L	93
48) 2-Hexanone	8.69	43	196251	41.427	ug/L	97
49) Dibromochloromethane	8.82	129	30051	4.485	ug/L	99
50) 1,2-Dibromoethane	8.93	107	25237	4.490	ug/L	99
51) Chlorobenzene	9.45	112	84338	4.562	ug/L	98
52) Ethylbenzene	9.57	91	152182	4.552	ug/L	100
53) m,p-Xylene	9.70	106	56511	4.486	ug/L	97
54) o-Xylene	10.10	106	55786	4.549	ug/L	98
55) Styrene	10.12	104	92730	4.345	ug/L	97
56) Isopropylbenzene	10.48	105	150021	4.523	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	33596	4.363	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	24728	4.356	ug/L	99
61) Bromoform	10.29	173	16689	4.136	ug/L #	99
62) 1,3-Dichlorobenzene	11.74	146	66348	4.423	ug/L	95
63) 1,4-Dichlorobenzene	11.83	146	67048	4.455	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	66409	4.416	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	5601	4.216	ug/L #	83
67) 1,3,5-Trichlorobenzene	13.21	180	49027	4.368	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	40944	4.262	ug/L	95
69) Naphthalene	14.08	128	66439	3.437	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	38174	4.289	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.045 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

Instrument :

MSVOA_U

ClientSampleId :

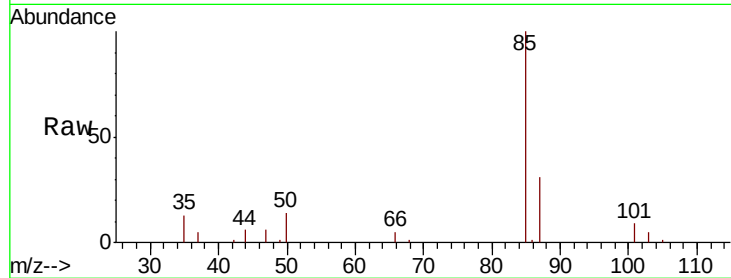
VSTD00526

Tot Ion: 85 Resp: 28465

Ion Ratio Lower Upper

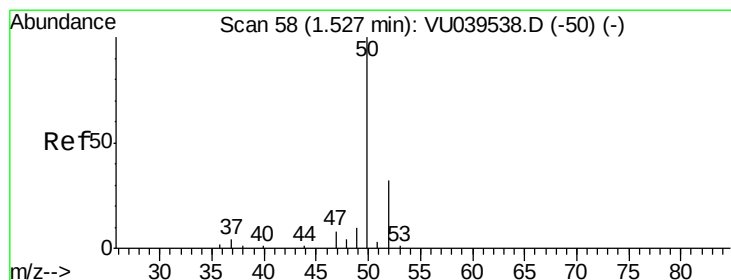
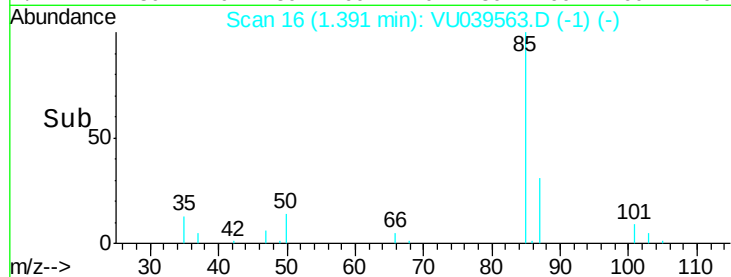
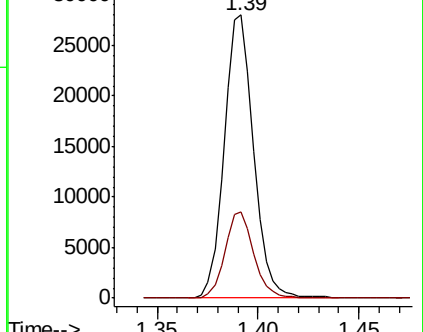
85 100

87 29.7 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039538.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039538.D (-8) (-)



#3

Chloromethane

Concen: 4.420 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039563.D

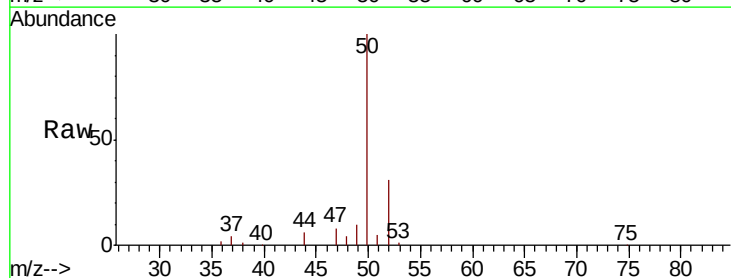
Acq: 17 Jul 2020 20:16

Tgt Ion: 50 Resp: 30216

Ion Ratio Lower Upper

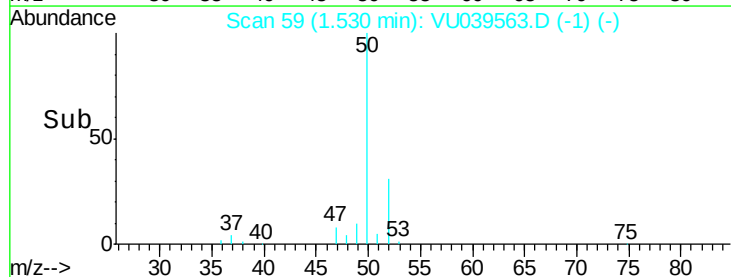
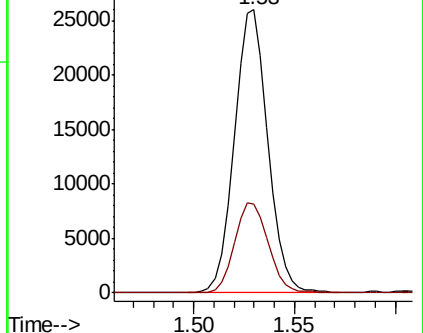
50 100

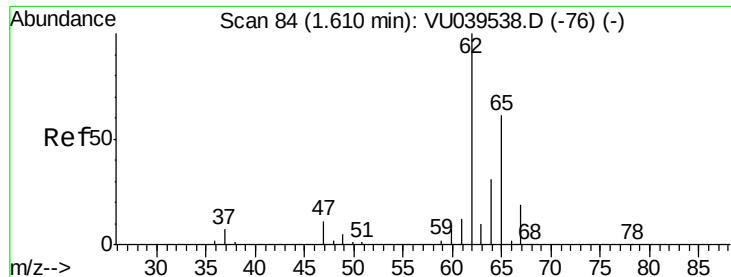
52 31.4 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039538.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039538.D (-50) (-)





#5

Vinyl chloride

Concen: 4.162 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

Instrument :

MSVOA_U

ClientSampleId :

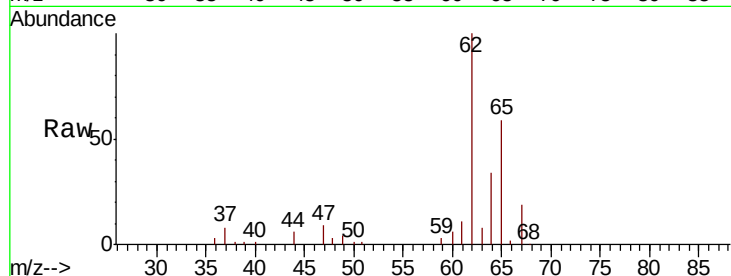
VSTD00526

Tot Ion: 62 Resp: 31590

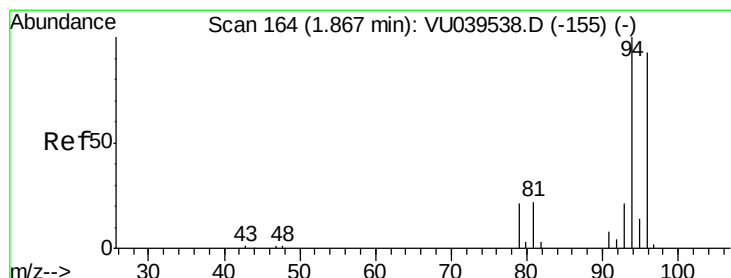
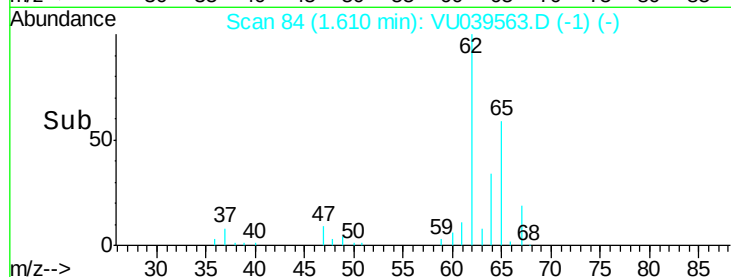
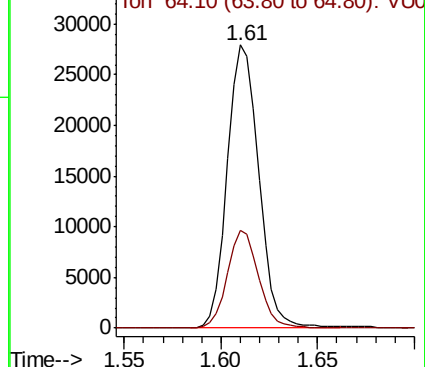
Ion Ratio Lower Upper

62 100

64 34.4 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU039563.D (-1) (-)



#6

Bromomethane

Concen: 5.858 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039563.D

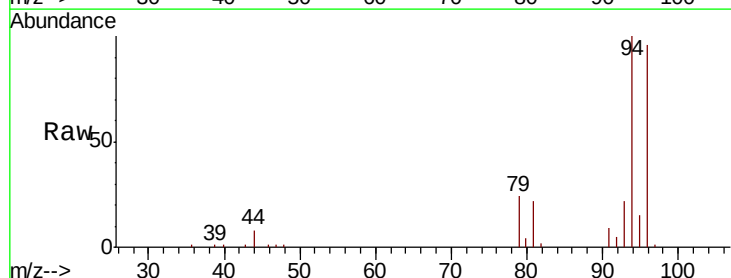
Acq: 17 Jul 2020 20:16

Tgt Ion: 94 Resp: 19148

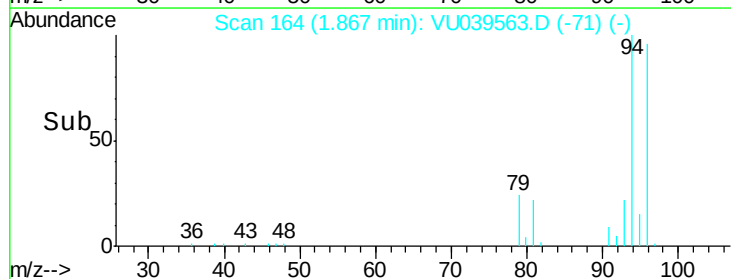
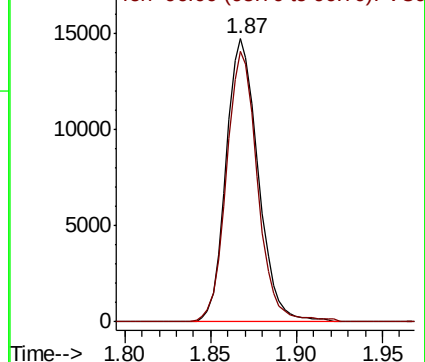
Ion Ratio Lower Upper

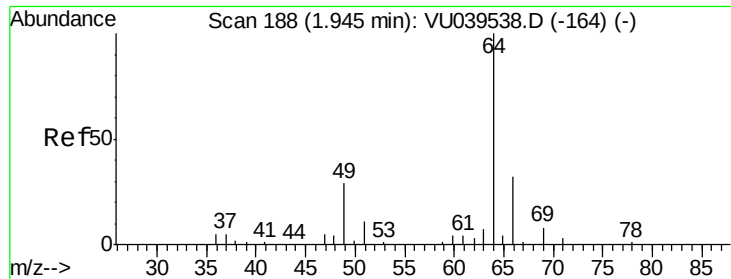
94 100

96 95.5 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU039563.D (-71) (-)

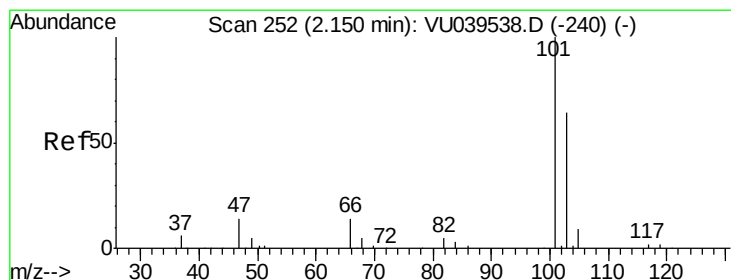
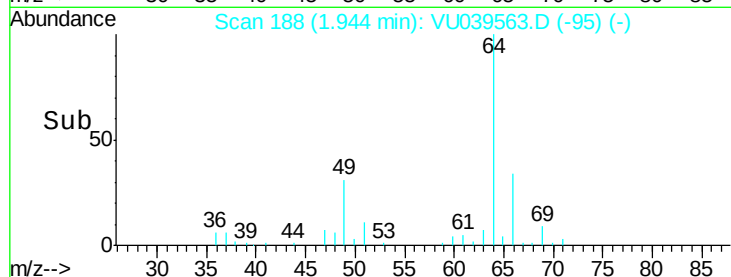
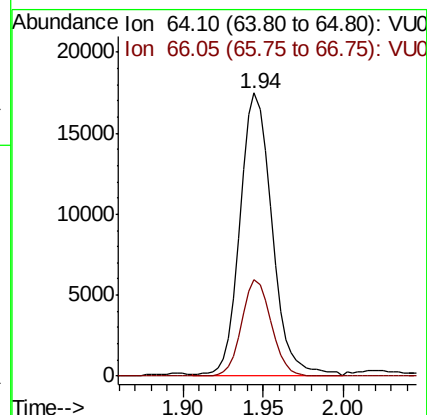
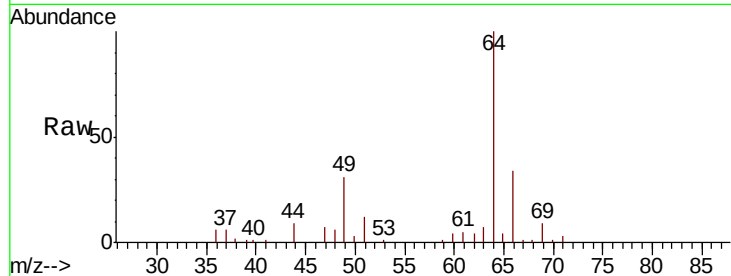




#8
Chloroethane
Concen: 4.366 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16

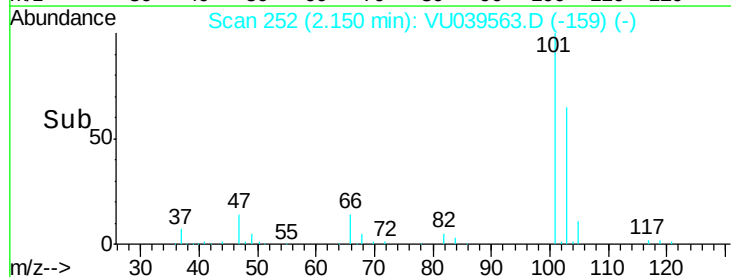
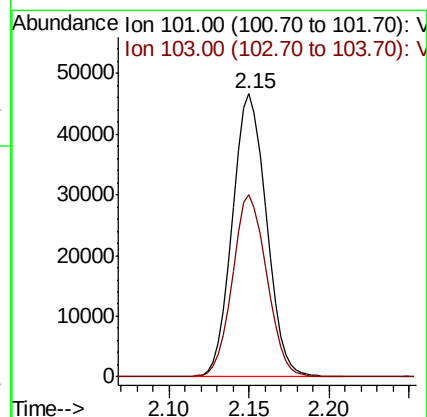
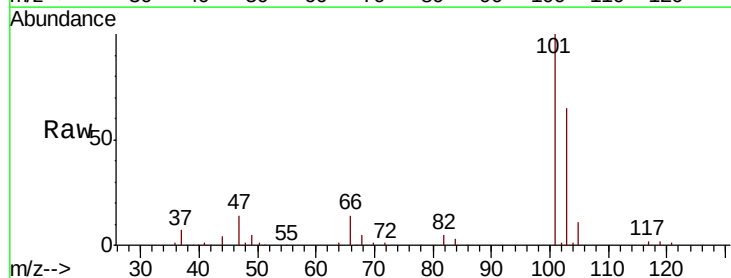
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

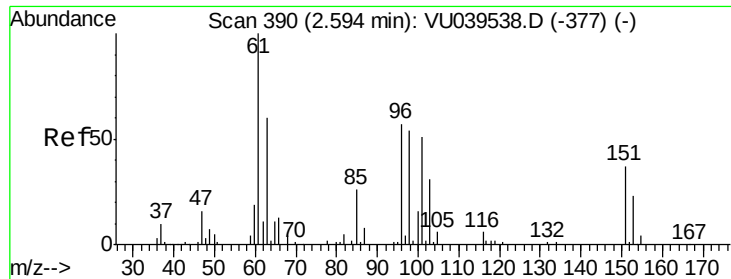
Tot Ion: 64 Resp: 23941
Ion Ratio Lower Upper
64 100
66 33.9 23.5 43.7



#9
Trichlorofluoromethane
Concen: 5.130 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16

Tgt Ion:101 Resp: 67611
Ion Ratio Lower Upper
101 100
103 64.7 50.6 76.0





#10

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

Concen: 5.071 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

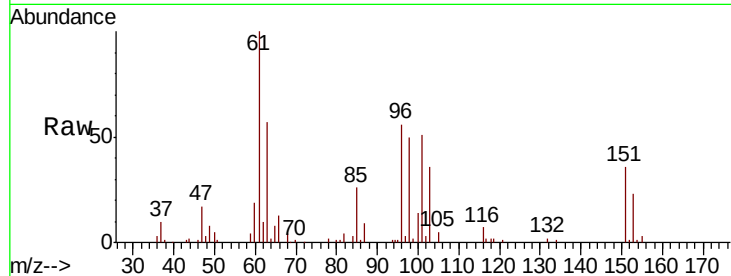
Tot Ion:101 Resp: 27428

Ion Ratio Lower Upper

101 100

85 48.2 38.9 58.3

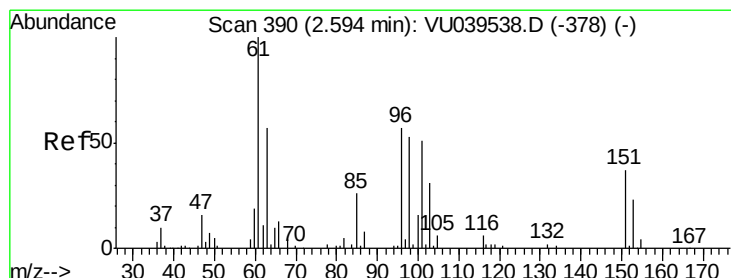
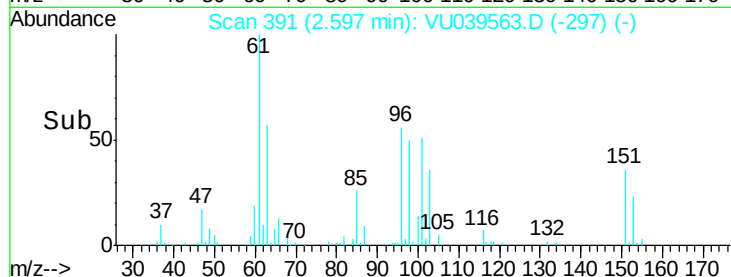
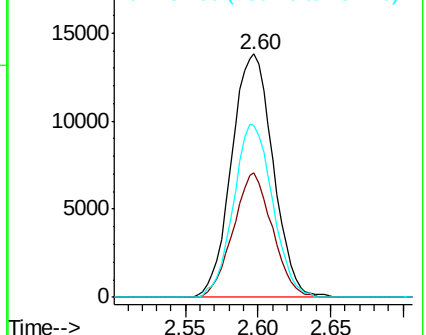
151 67.0 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): VU039538.D (-377) (-)

Ion 85.00 (84.70 to 85.70): VU039538.D (-377) (-)

Ion 151.00 (150.70 to 151.70): VU039538.D (-377) (-)



#12

1,1-Dichloroethene

Concen: 4.450 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

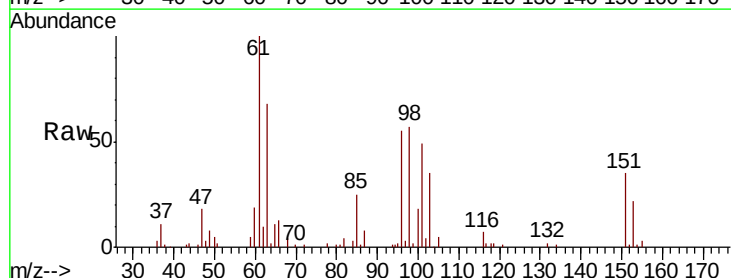
Tgt Ion: 96 Resp: 24636

Ion Ratio Lower Upper

96 100

61 180.9 125.4 232.8

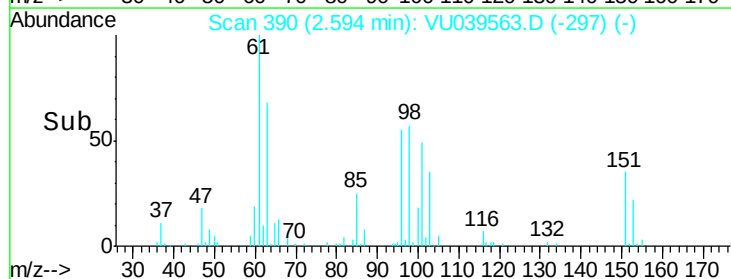
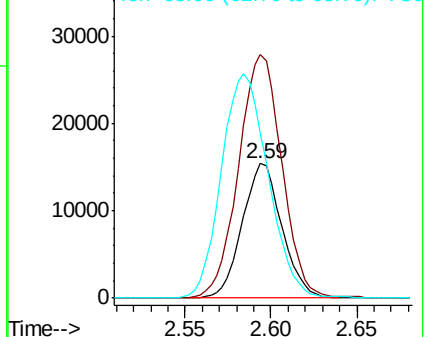
63 122.6 92.7 172.3

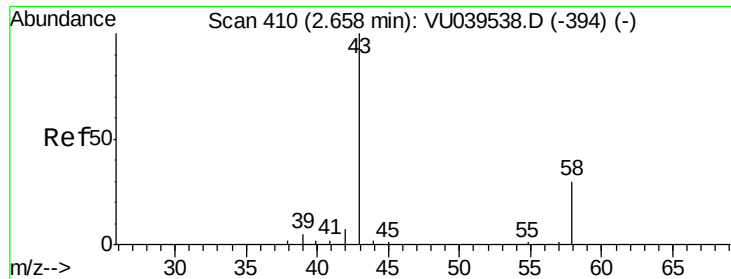


Abundance Ion 96.00 (95.70 to 96.70): VU039538.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VU039538.D (-378) (-)

Ion 63.00 (62.70 to 63.70): VU039538.D (-378) (-)





#13

Acetone

Concen: 42.532 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

Instrument :

MSVOA_U

ClientSampleId :

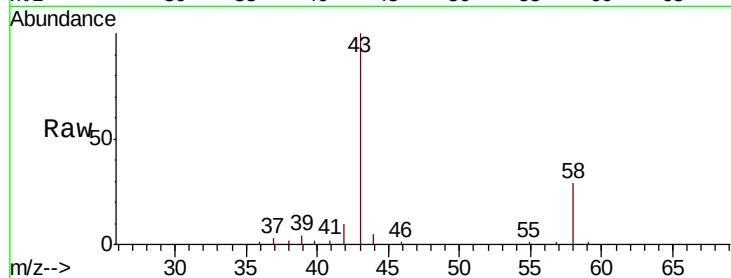
VSTD00526

Tot Ion: 43 Resp: 56674

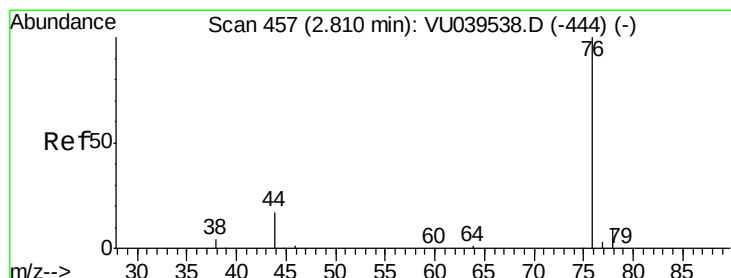
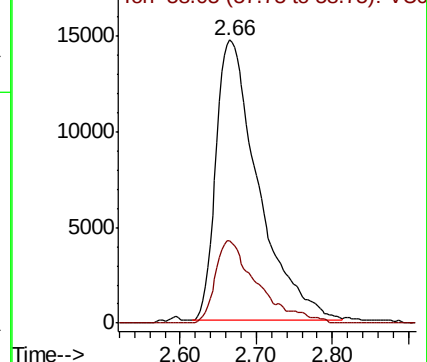
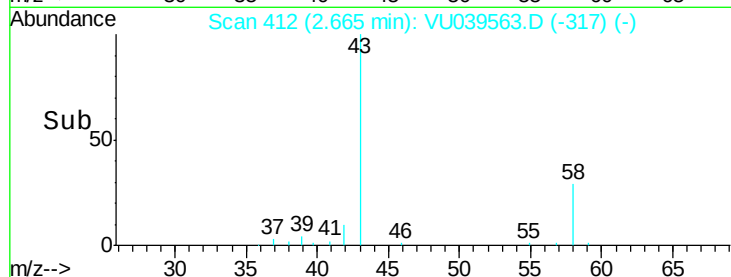
Ion Ratio Lower Upper

43 100

58 29.4 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039563.D (-317) (-)



#14

Carbon disulfide

Concen: 3.824 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU039563.D

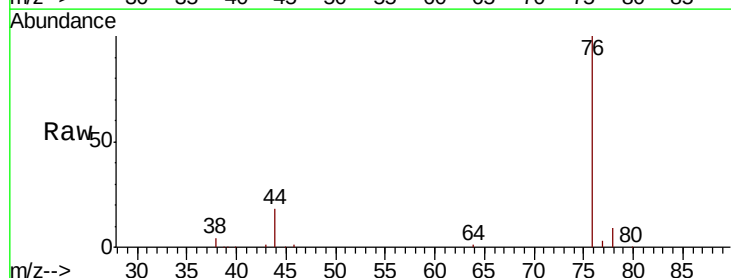
Acq: 17 Jul 2020 20:16

Tgt Ion: 76 Resp: 74574

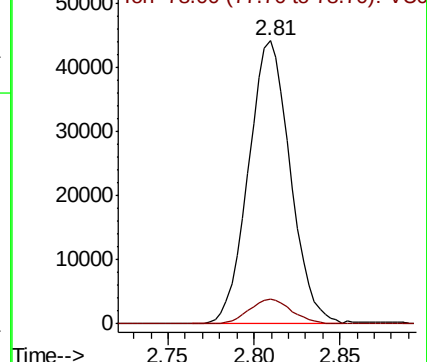
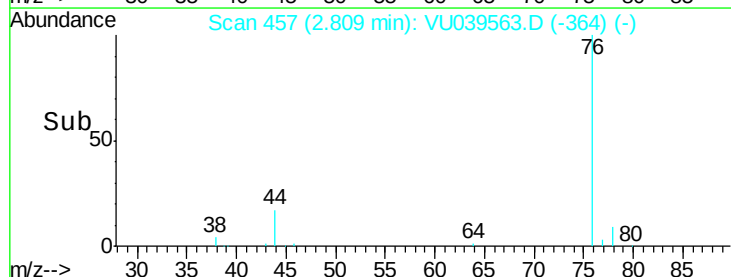
Ion Ratio Lower Upper

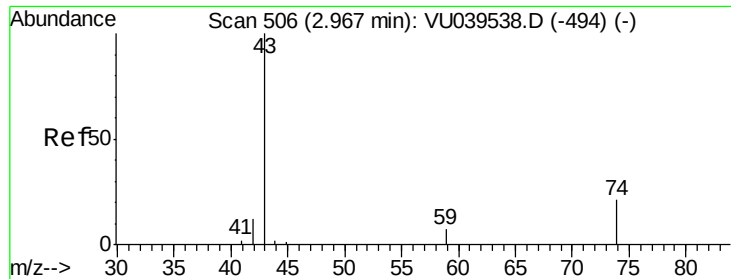
76 100

78 8.7 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039563.D (-364) (-)

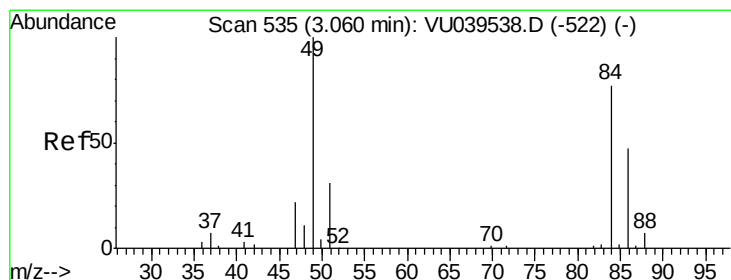
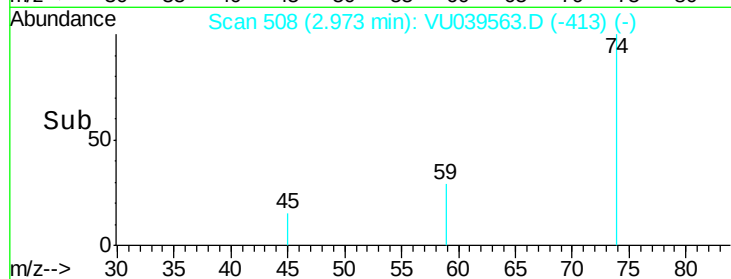
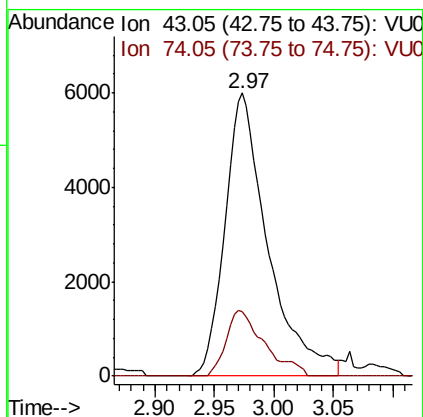
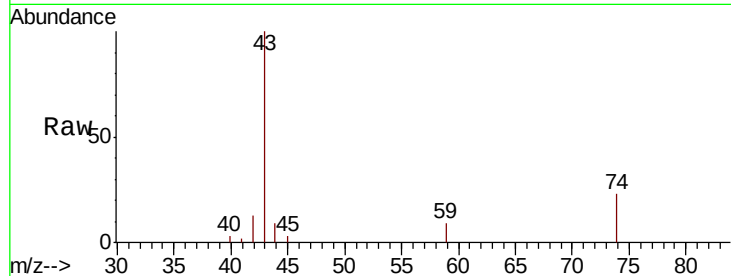




#15
Methvl Acetate
Concen: 4.264 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16

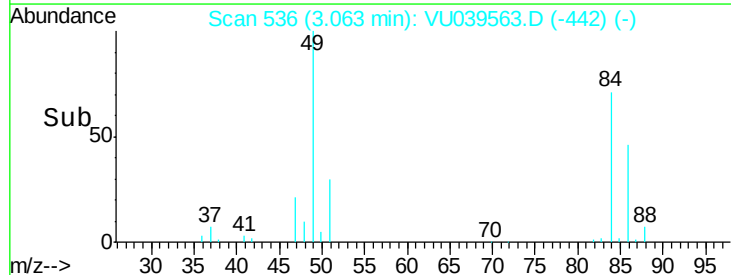
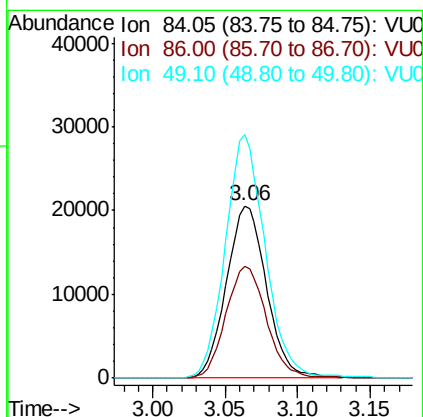
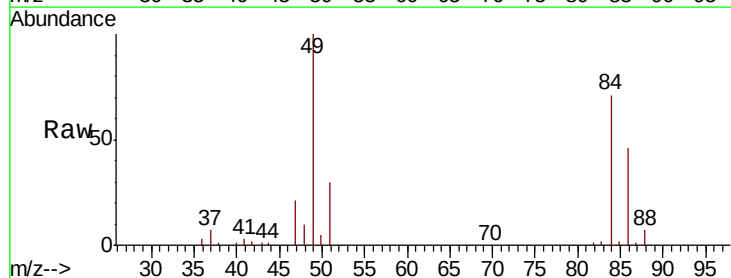
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

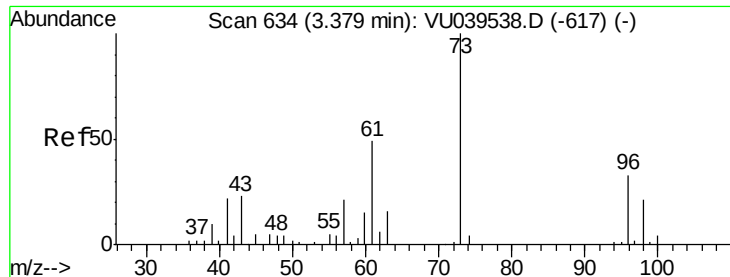
Tot Ion: 43 Resp: 15007
Ion Ratio Lower Upper
43 100
74 20.6 18.7 28.1



#16
Methylene chloride
Concen: 5.653 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16

Tgt Ion: 84 Resp: 39367
Ion Ratio Lower Upper
84 100
86 65.1 43.5 80.9
49 141.5 91.1 169.1

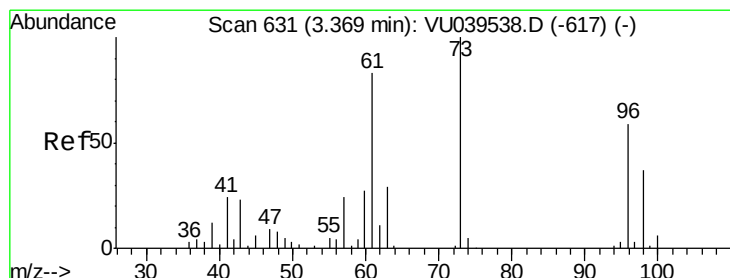
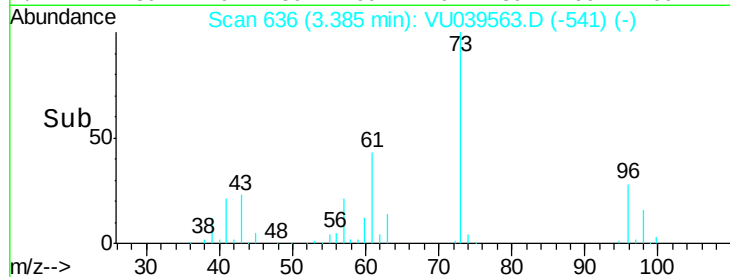
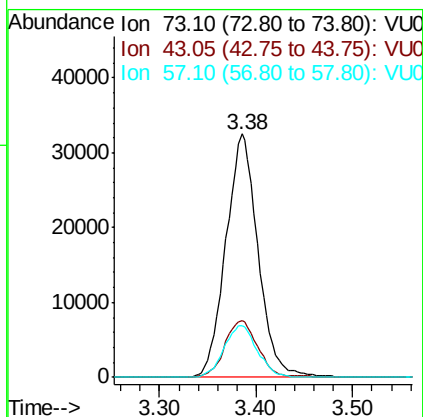
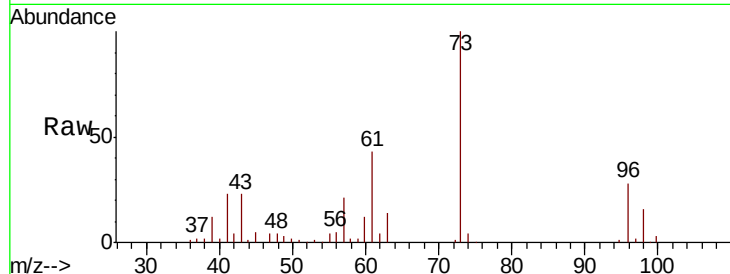




#17
Methyl tert-butyl Ether
Concen: 4.311 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.01 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16

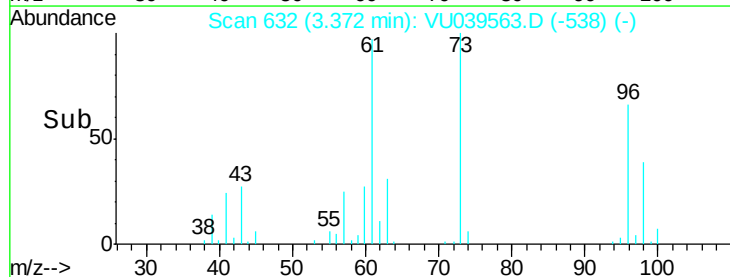
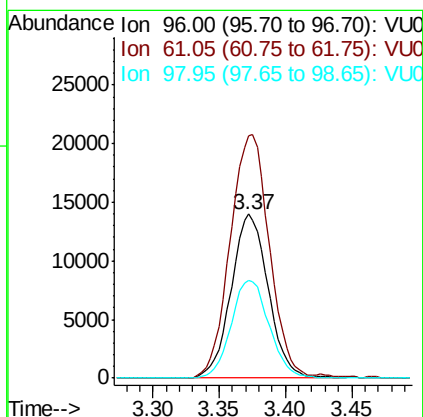
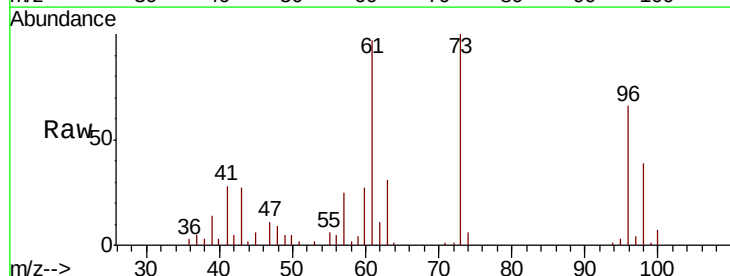
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

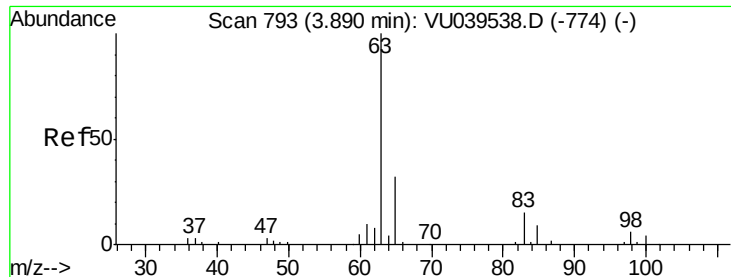
Tot Ion: 73 Resp: 75212
Ion Ratio Lower Upper
73 100
43 23.9 18.6 28.0
57 21.9 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.440 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16

Tgt Ion: 96 Resp: 27215
Ion Ratio Lower Upper
96 100
61 147.8 102.1 189.5
98 59.4 42.5 78.9

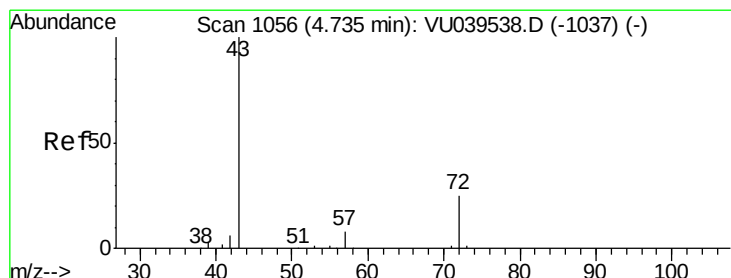
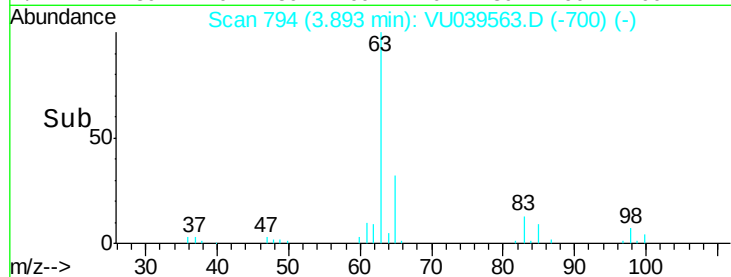
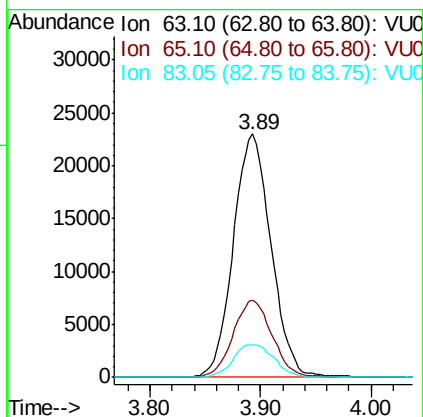
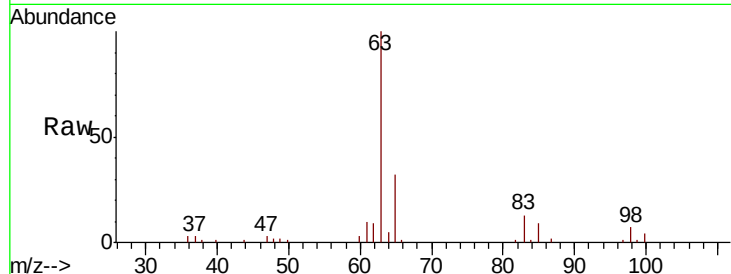




#19
 1,1-Dichloroethane
 Concen: 4.541 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039563.D
 Acq: 17 Jul 2020 20:16

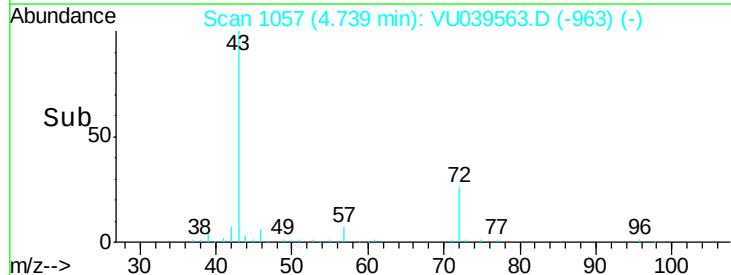
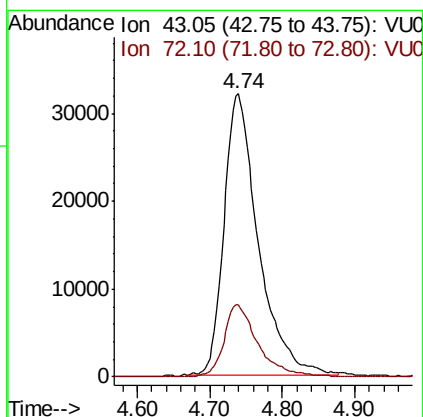
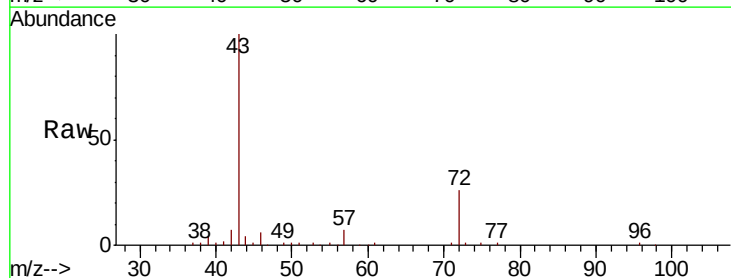
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

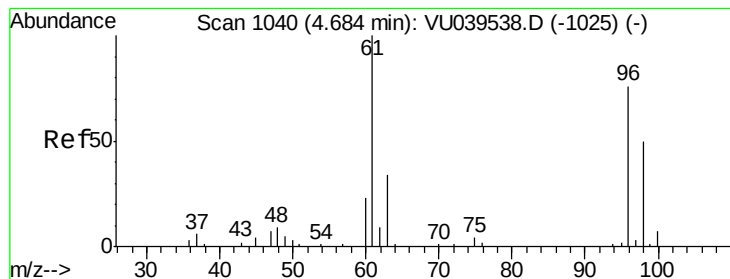
Tot Ion: 63 Resp: 54458
 Ion Ratio Lower Upper
 63 100
 65 32.4 23.0 42.6
 83 13.1 9.6 17.8



#21
 2-Butanone
 Concen: 43.875 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU039563.D
 Acq: 17 Jul 2020 20:16

Tgt Ion: 43 Resp: 104351
 Ion Ratio Lower Upper
 43 100
 72 25.7 13.2 39.5





#22

cis-1,2-Dichloroethene

Concen: 4.799 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

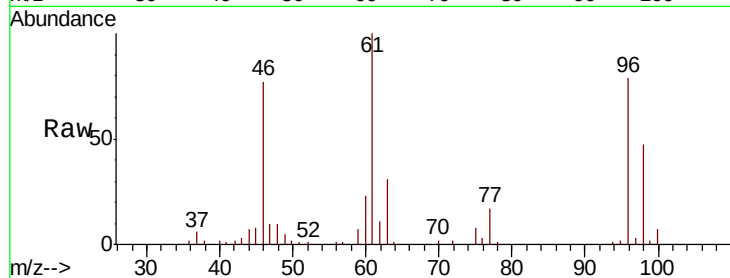
Tot Ion: 96 Resp: 32981

Ion Ratio Lower Upper

96 100

61 126.7 92.8 172.4

68 0.0 0.0 0.0

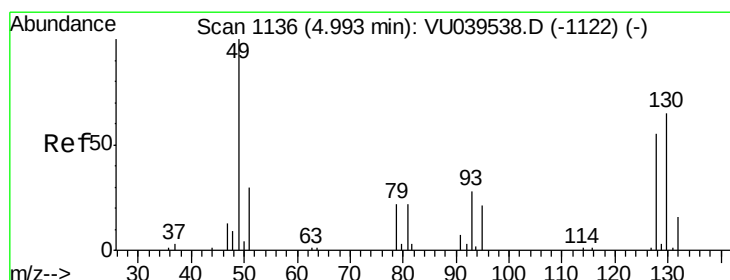
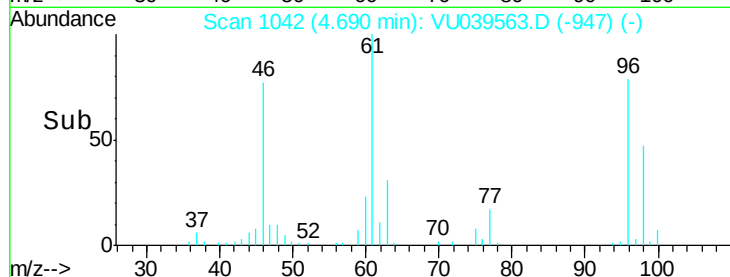
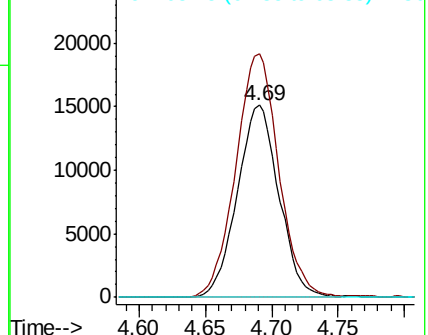


Abundance

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: 4.574 ug/L

RT: 5.00 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

Tgt Ion: 128 Resp: 14282

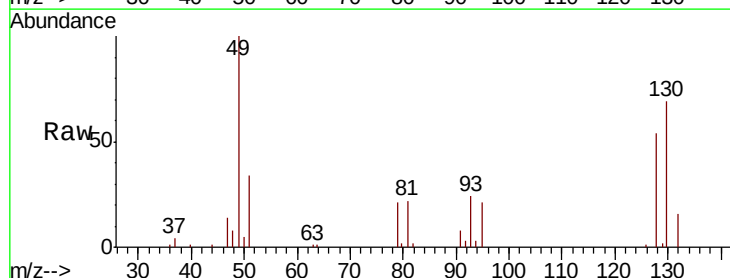
Ion Ratio Lower Upper

128 100

49 185.5 128.5 238.7

130 128.0 91.5 169.9

51 63.6 47.0 70.6



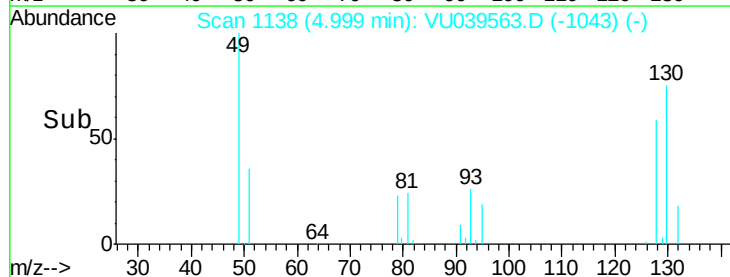
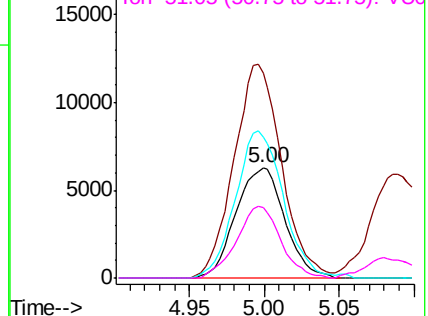
Abundance

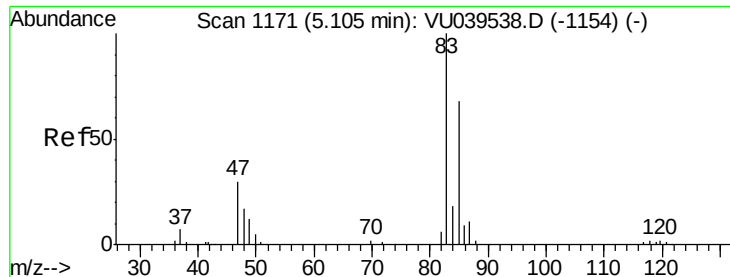
Ion 127.90 (127.60 to 128.60): V

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

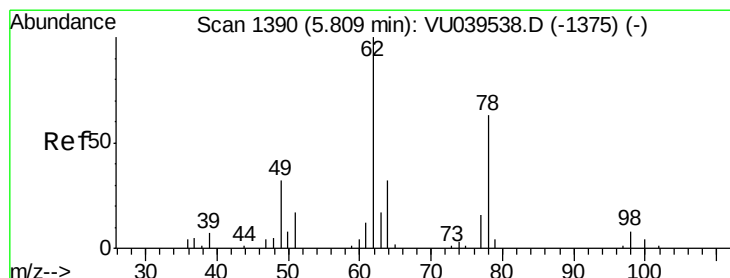
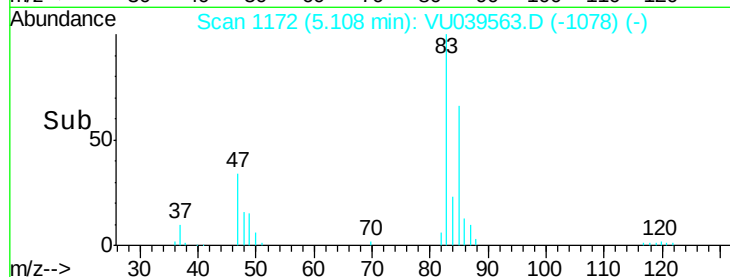
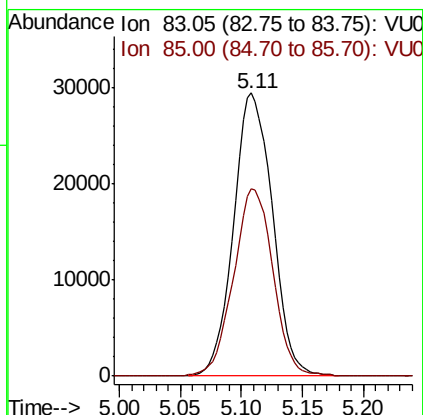
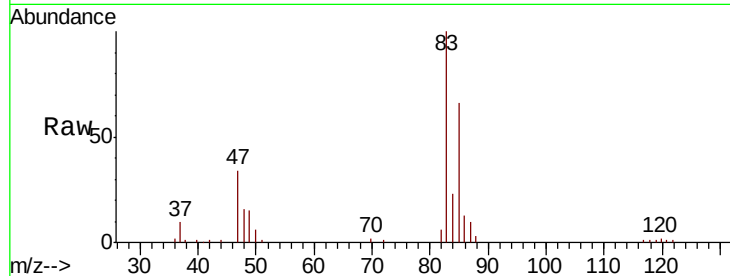




#25
Chloroform
Concen: 5.360 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16

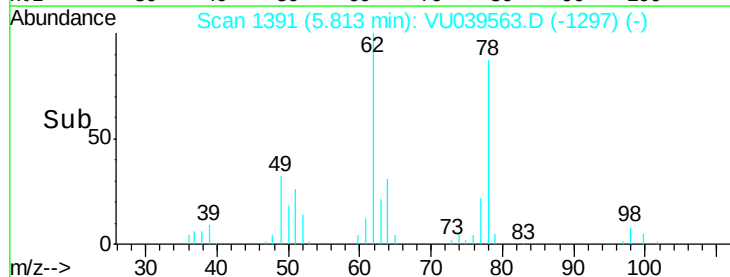
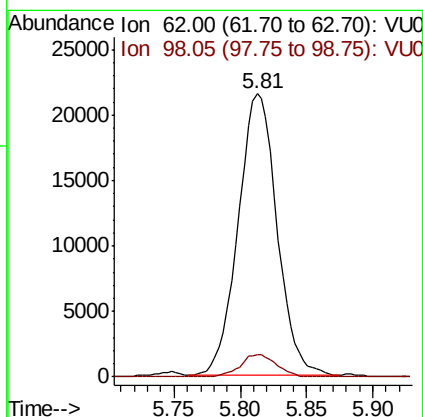
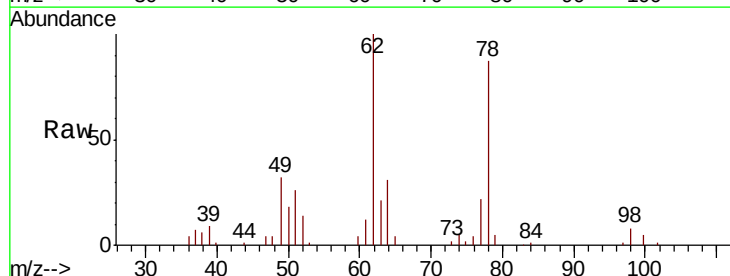
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

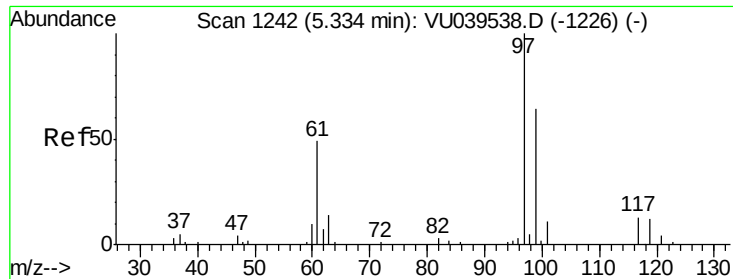
Tot Ion: 83 Resp: 64912
Ion Ratio Lower Upper
83 100
85 66.4 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.999 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16

Tgt Ion: 62 Resp: 43796
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5

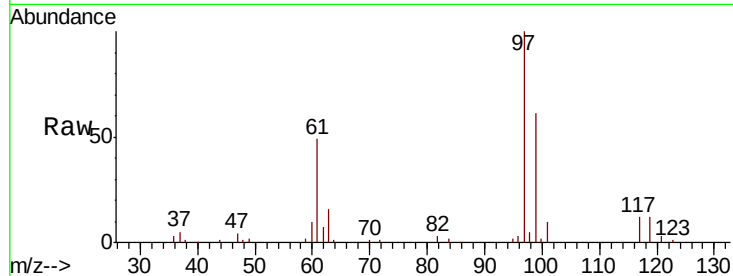




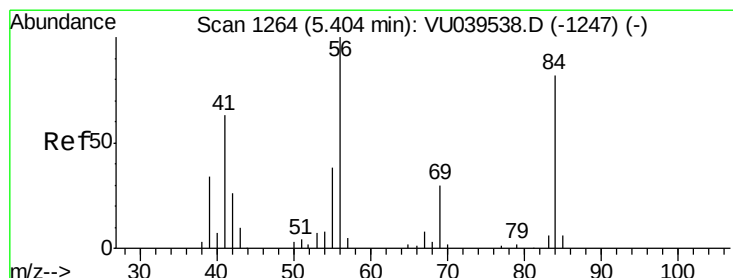
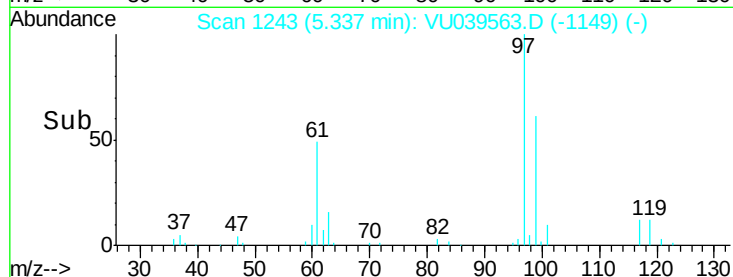
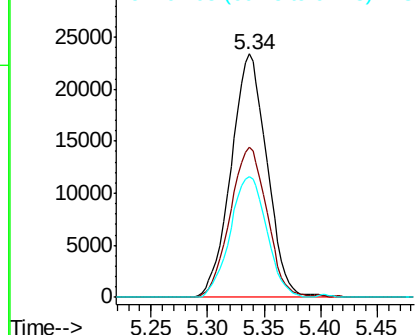
#29
1,1,1-Trichloroethane
Concen: 4.639 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion: 97 Resp: 51635
Ion Ratio Lower Upper
97 100
99 63.2 52.6 79.0
61 50.5 37.9 56.9

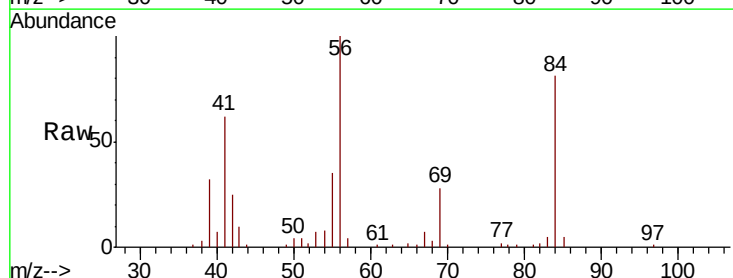


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

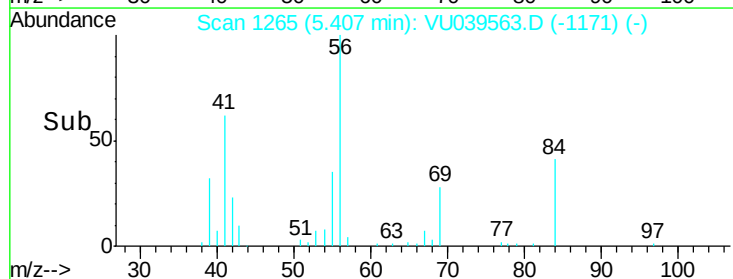
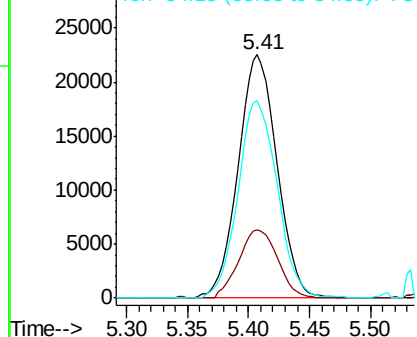


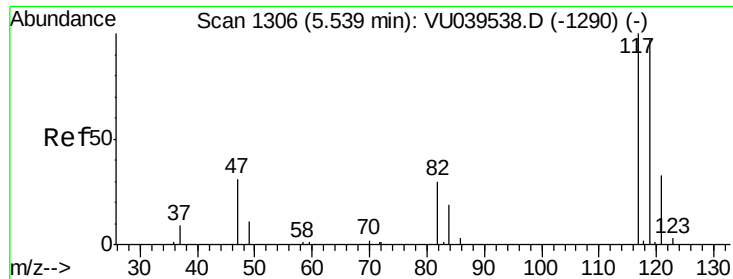
#30
Cyclohexane
Concen: 4.242 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16

Tgt Ion: 56 Resp: 49703
Ion Ratio Lower Upper
56 100
69 28.0 24.1 36.1
84 82.0 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

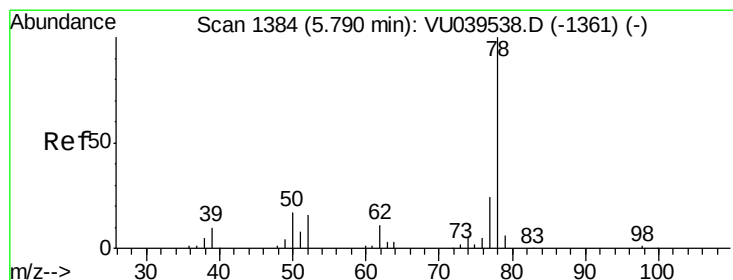
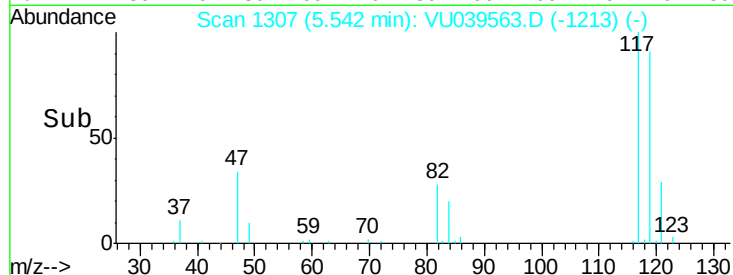
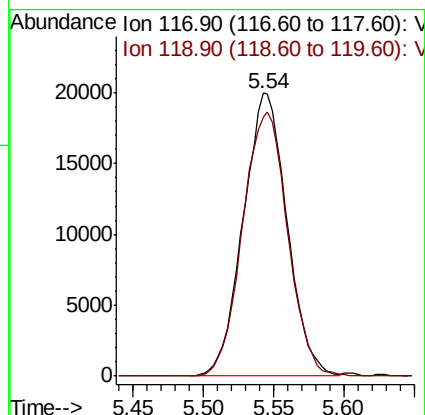
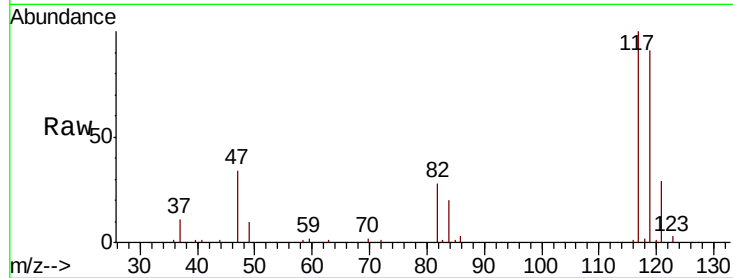




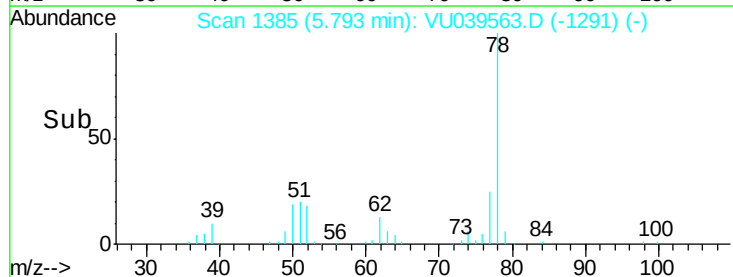
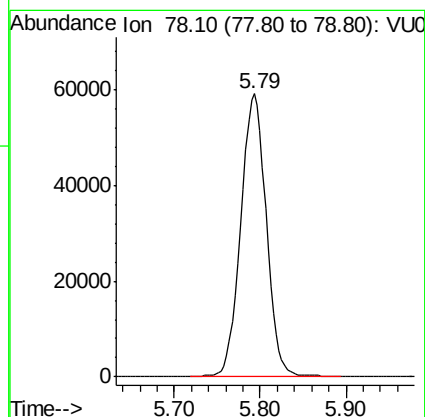
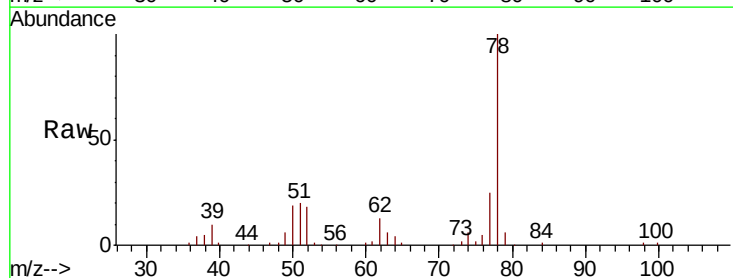
#31
Carbon tetrachloride
Concen: 4.570 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16

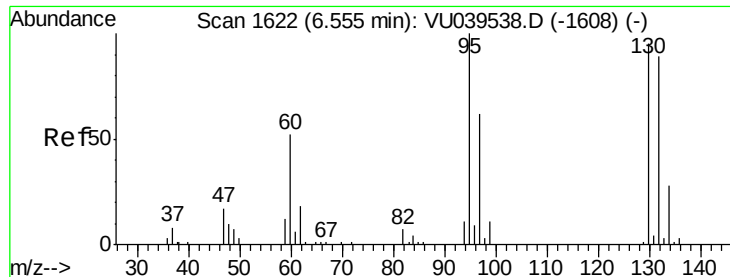
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:117 Resp: 43399
Ion Ratio Lower Upper
117 100
119 95.9 77.4 116.0



#33
Benzene
Concen: 4.322 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16
Tgt Ion: 78 Resp: 122114





#34

Trichloroethene

Concen: 4.563 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tot Ion: 95 Resp: 33326

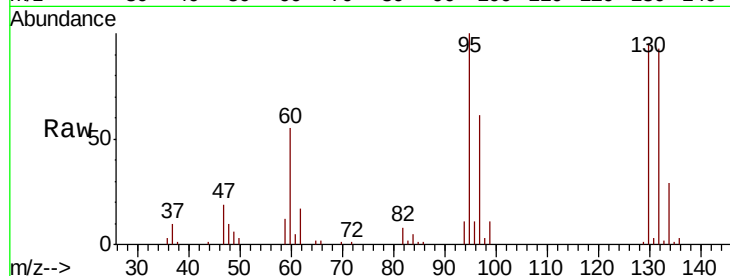
Ion Ratio Lower Upper

95 100

97 61.0 46.3 85.9

132 93.1 64.0 118.8

130 95.1 64.3 119.5

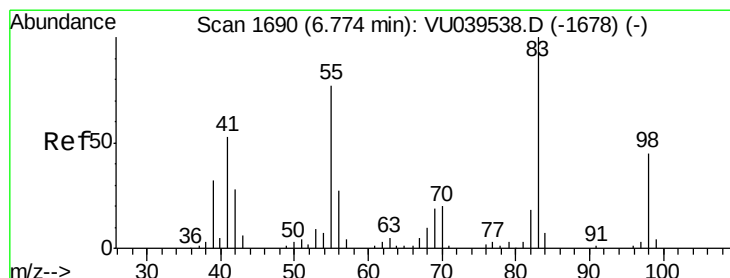
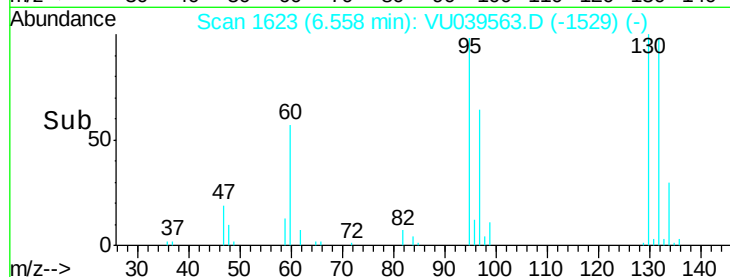
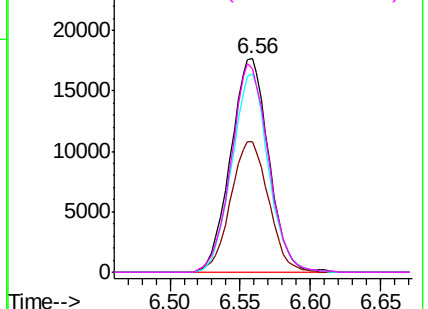


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.242 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

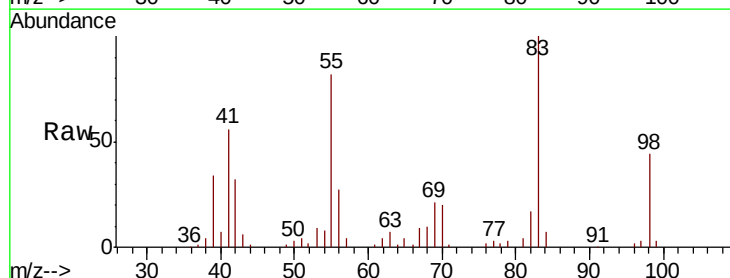
Tgt Ion: 83 Resp: 49634

Ion Ratio Lower Upper

83 100

55 78.7 62.1 93.1

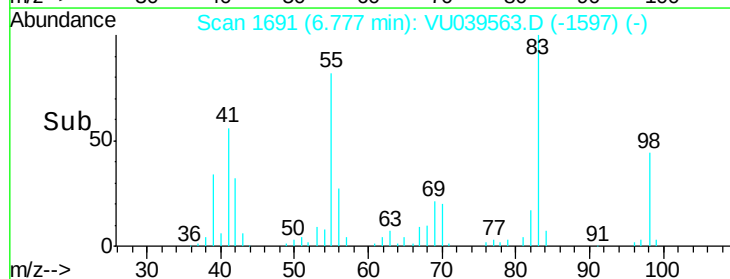
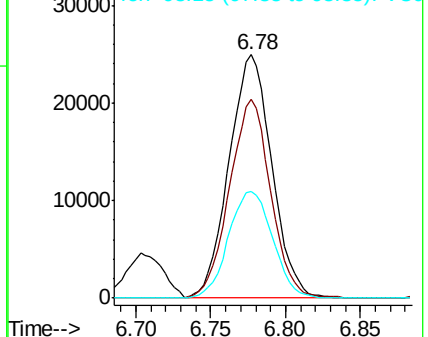
98 45.1 35.9 53.9

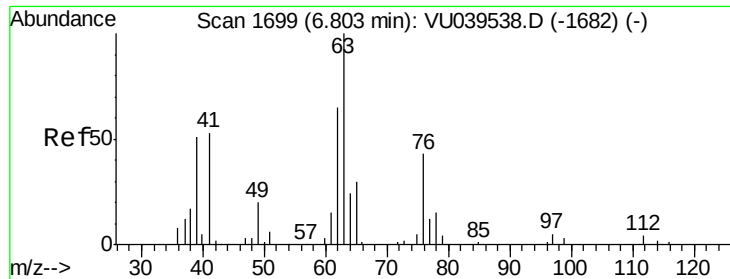


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

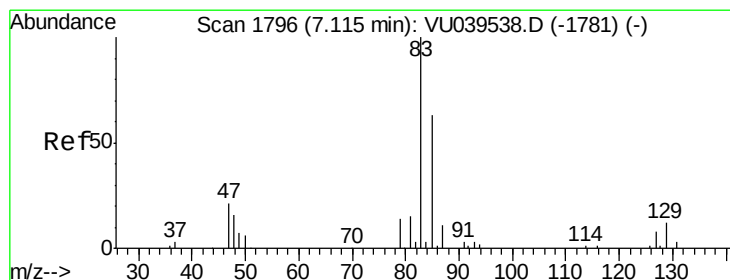
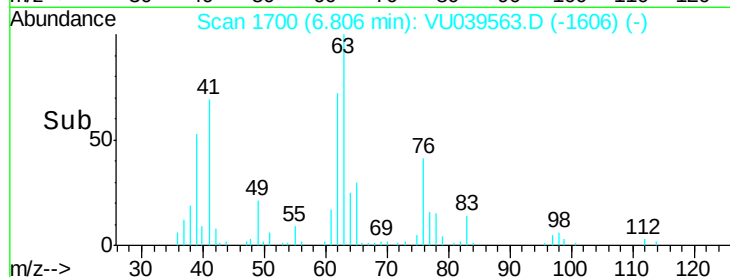
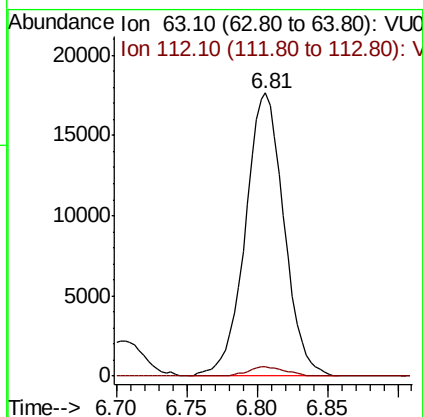
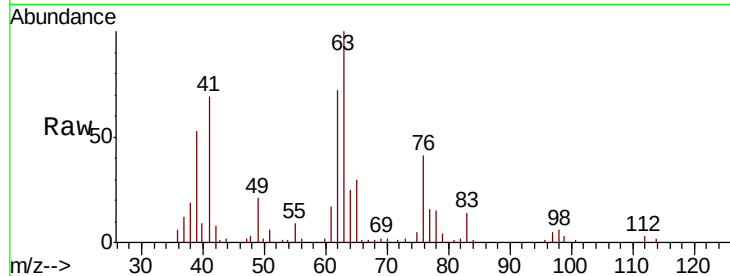




#37
 1,2-Dichloropropane
 Concen: 4.395 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039563.D
 Acq: 17 Jul 2020 20:16

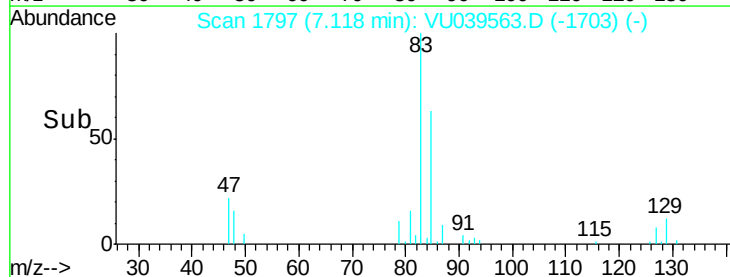
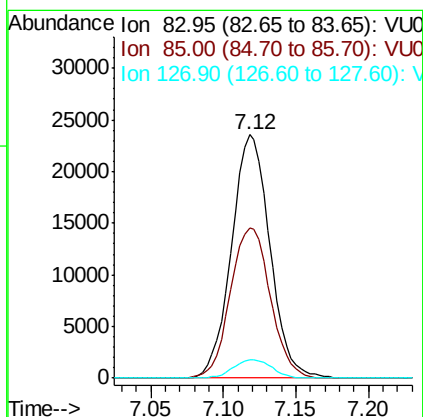
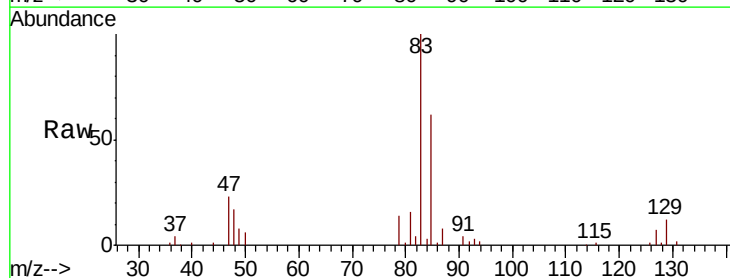
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

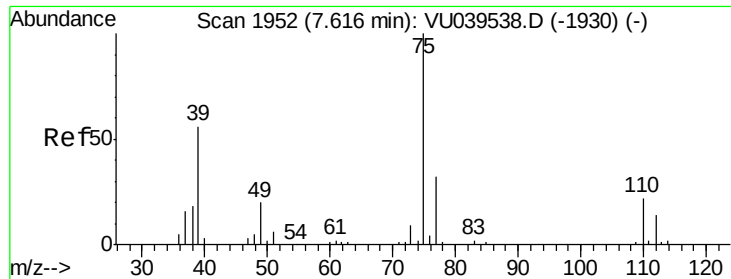
Tot Ion: 63 Resp: 33851
 Ion Ratio Lower Upper
 63 100
 112 3.2 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.399 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039563.D
 Acq: 17 Jul 2020 20:16

Tgt Ion: 83 Resp: 43262
 Ion Ratio Lower Upper
 83 100
 85 61.7 44.0 81.6
 127 7.4 6.2 9.4

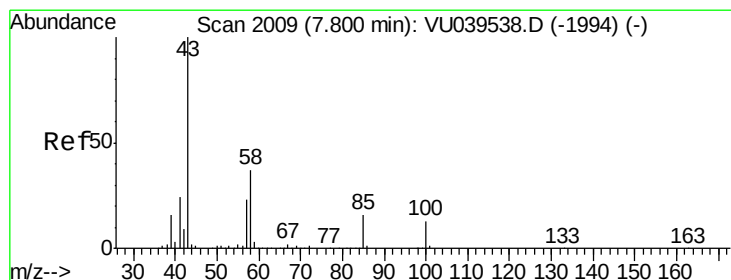
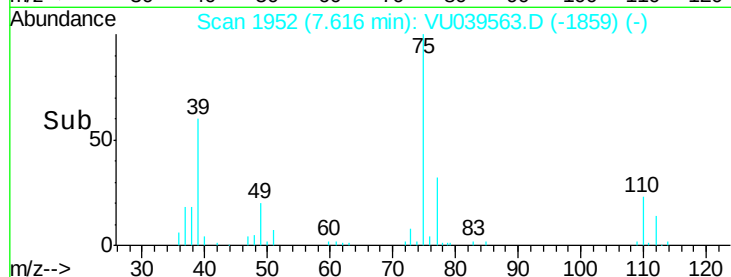
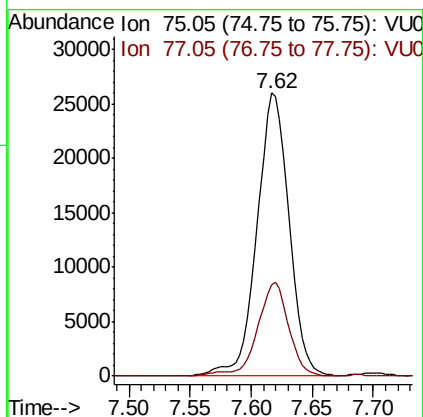
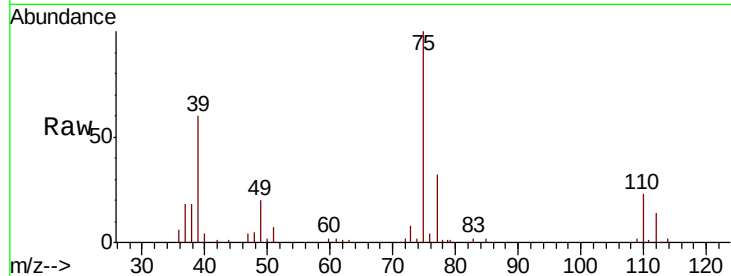




#39
 cis-1,3-Dichloropropene
 Concen: 4.073 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039563.D
 Acq: 17 Jul 2020 20:16

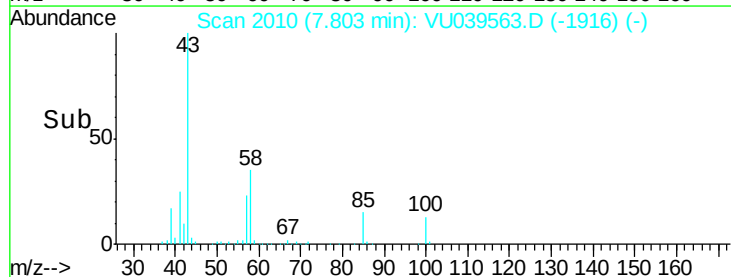
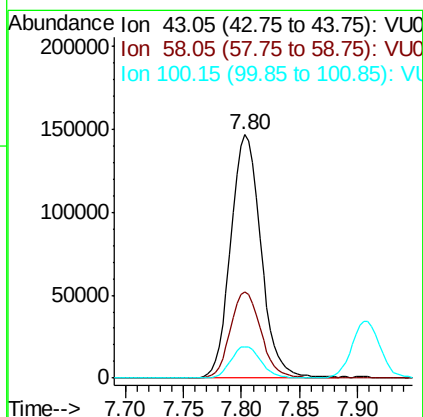
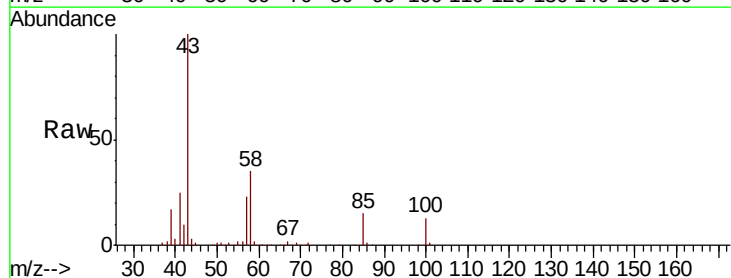
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

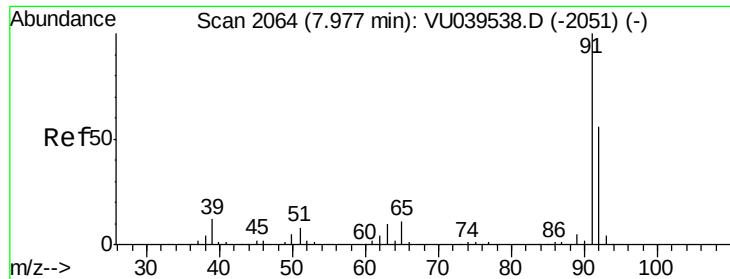
Tot Ion: 75 Resp: 47423
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 41.321 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039563.D
 Acq: 17 Jul 2020 20:16

Tgt Ion: 43 Resp: 265484
 Ion Ratio Lower Upper
 43 100
 58 36.1 30.5 45.7
 100 12.9 10.3 15.5





#42

Toluene

Concen: 4.542 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

Instrument :

MSVOA_U

ClientSampleId :

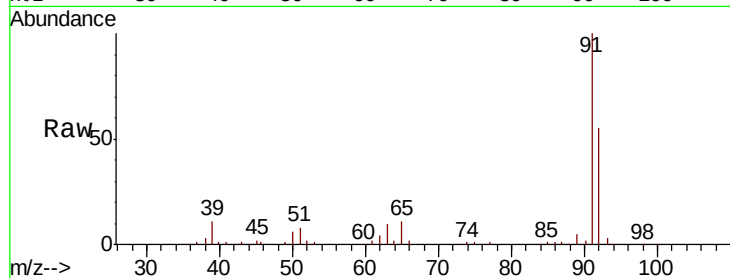
VSTD00526

Tot Ion: 91 Resp: 137425

Ion Ratio Lower Upper

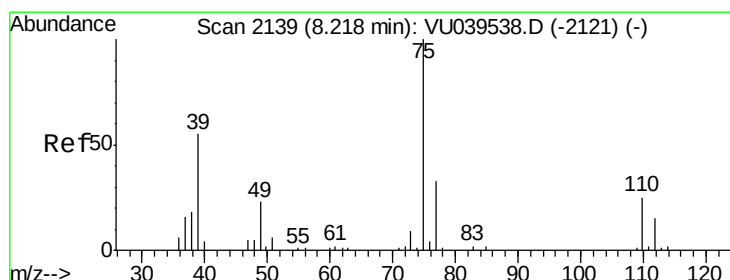
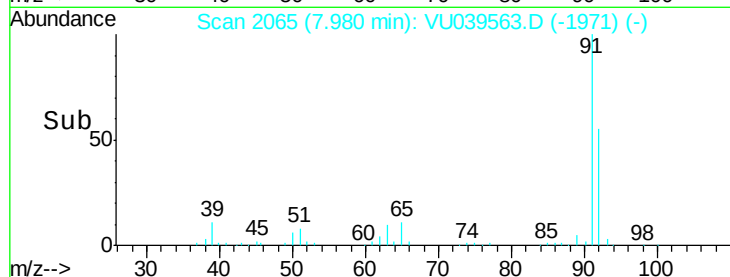
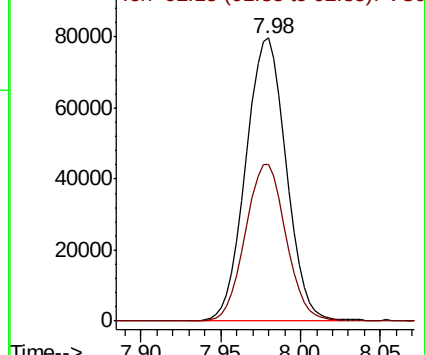
91 100

92 55.4 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039538.D (-2051) (-)

Ion 92.15 (91.85 to 92.85): VU039538.D (-2051) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.132 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039563.D

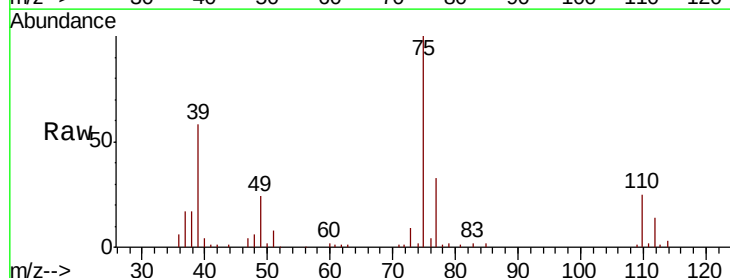
Acq: 17 Jul 2020 20:16

Tgt Ion: 75 Resp: 42681

Ion Ratio Lower Upper

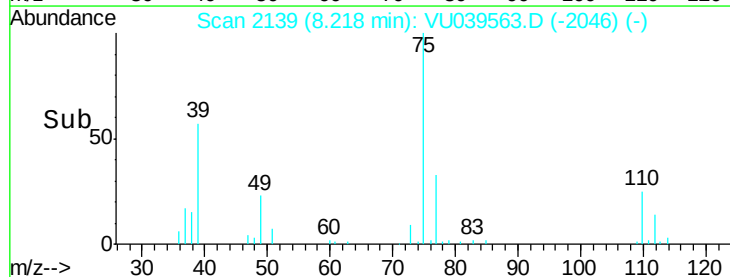
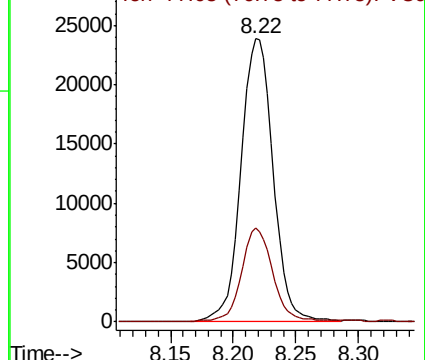
75 100

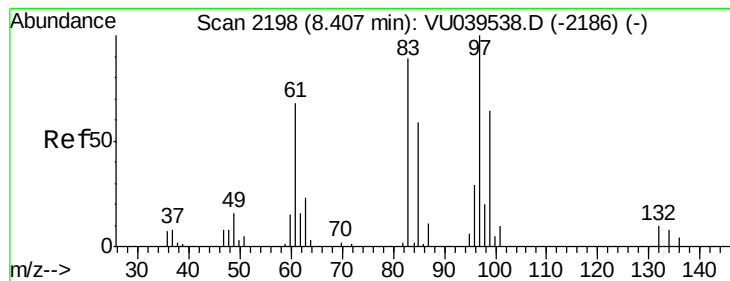
77 33.4 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039538.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039538.D (-2121) (-)





#45

1,1,2-Trichloroethane

Concen: 4.505 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tot Ion: 97 Resp: 24921

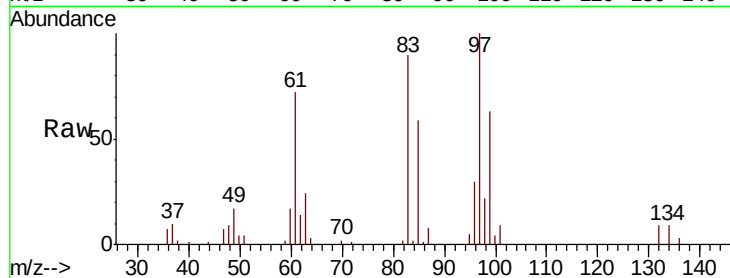
Ion Ratio Lower Upper

97 100

99 63.2 40.7 75.7

83 89.8 60.6 112.6

85 59.1 38.3 71.1

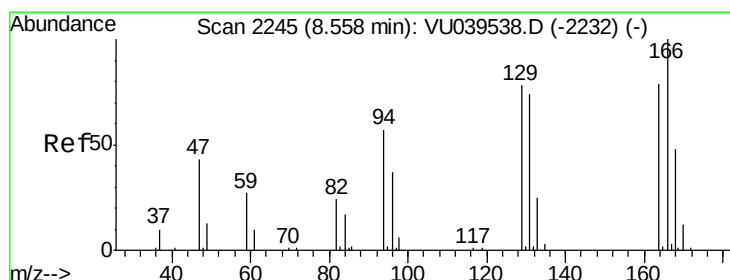
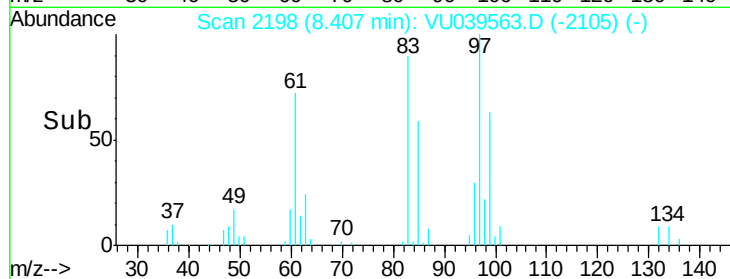
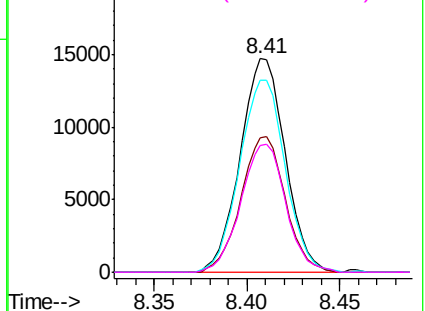


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.512 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

Tgt Ion: 164 Resp: 22925

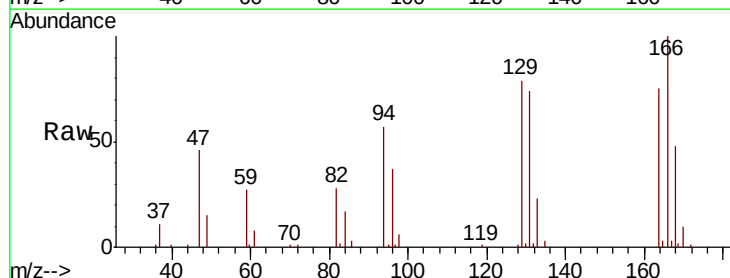
Ion Ratio Lower Upper

164 100

129 105.1 68.6 127.4

131 98.8 66.4 123.4

166 133.6 85.9 159.5

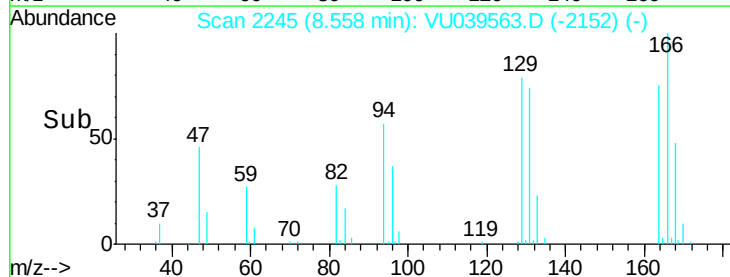
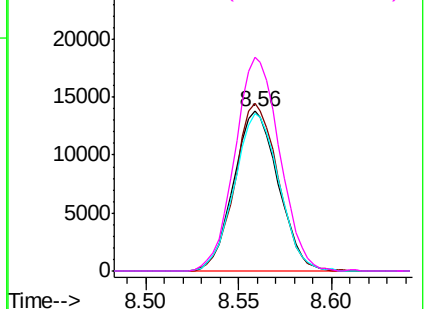


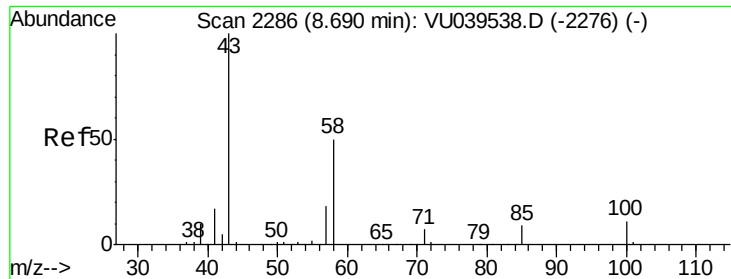
Abundance Ion 163.90 (163.60 to 164.60): V

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

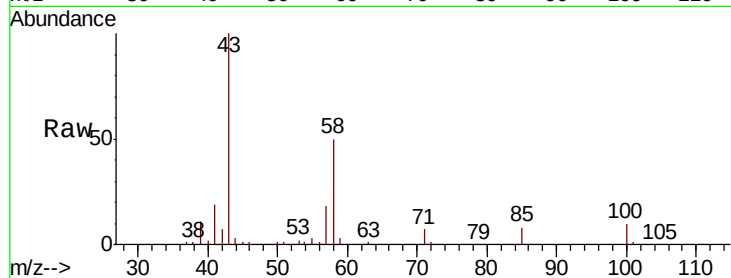




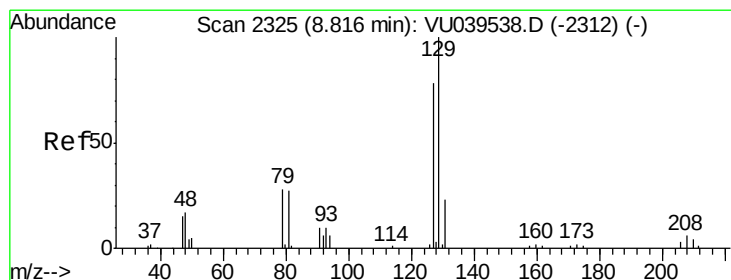
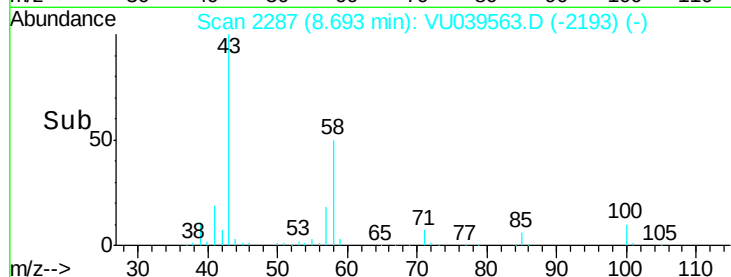
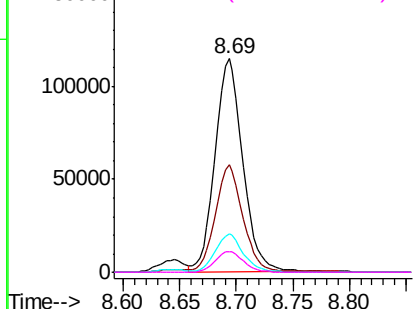
#48
2-Hexanone
Concen: 41.427 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion: 43 Resp: 196251
Ion Ratio Lower Upper
43 100
58 49.4 42.0 63.0
57 17.9 14.0 21.0
100 9.8 8.2 12.2

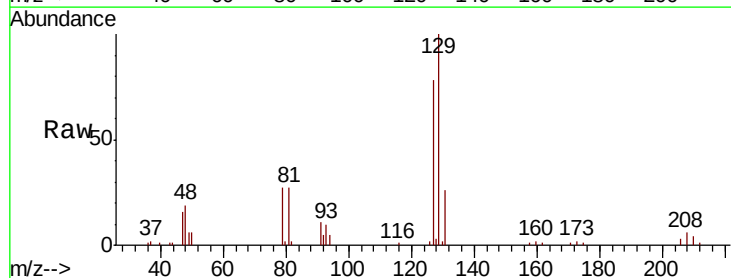


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

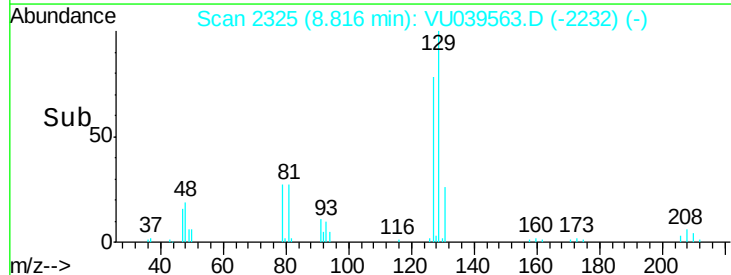
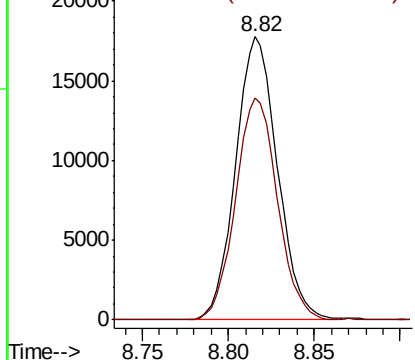


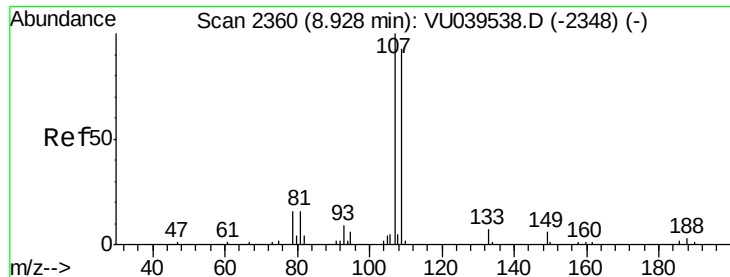
#49
Dibromochloromethane
Concen: 4.485 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16

Tgt Ion: 129 Resp: 30051
Ion Ratio Lower Upper
129 100
127 78.4 55.4 102.8



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

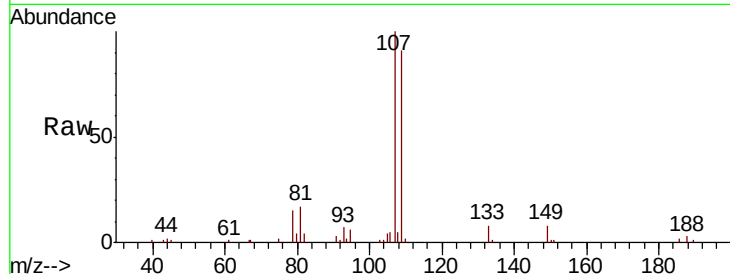




#50
 1,2-Dibromoethane
 Concen: 4.490 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039563.D
 Acq: 17 Jul 2020 20:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.9	64.0	118.8
188	2.9	2.6	3.8

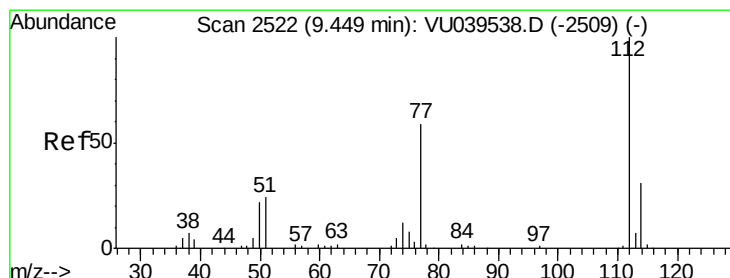
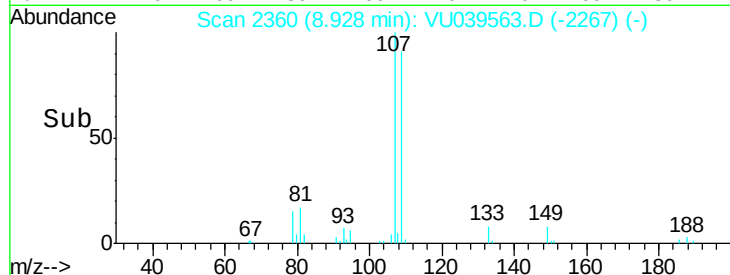
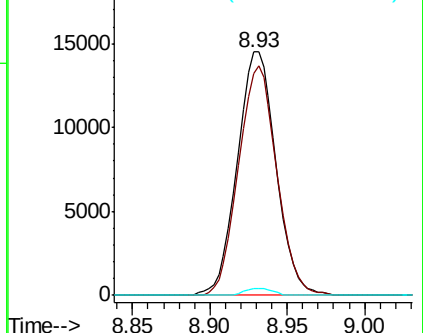


Abundance

Ion 106.95 (106.65 to 107.65): V

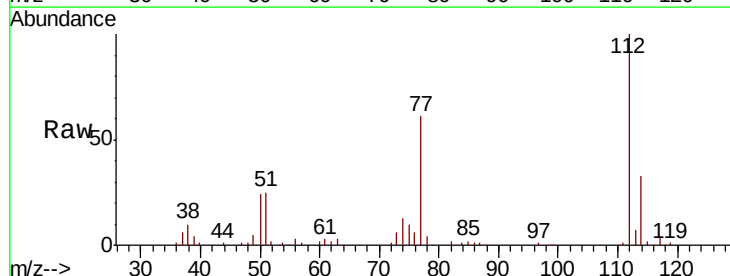
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 4.562 ug/L
 RT: 9.45 min Scan# 2523
 Delta R.T. 0.00 min
 Lab File: VU039563.D
 Acq: 17 Jul 2020 20:16

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.1	41.1
77	61.3	49.9	74.9

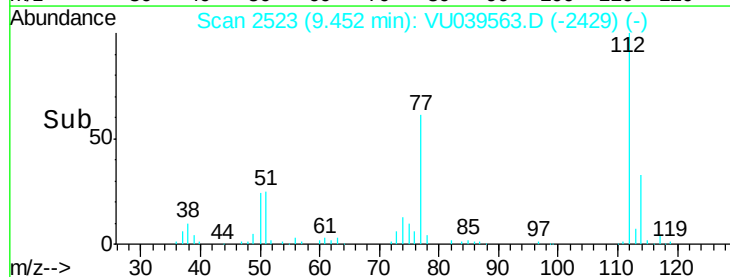
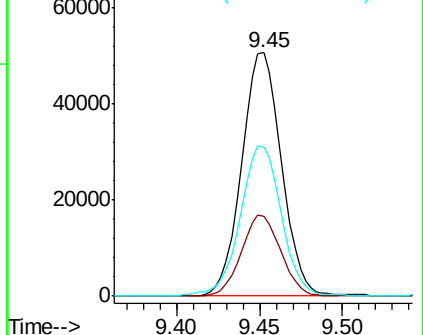


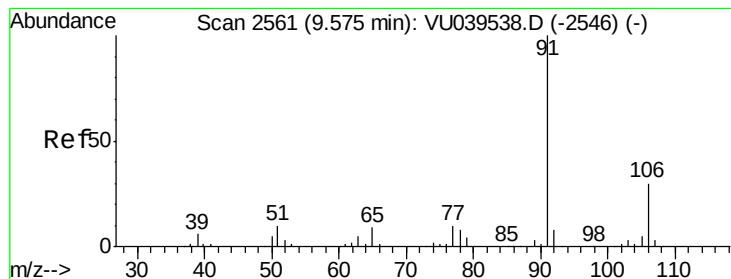
Abundance

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: 4.552 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

Instrument :

MSVOA_U

ClientSampleId :

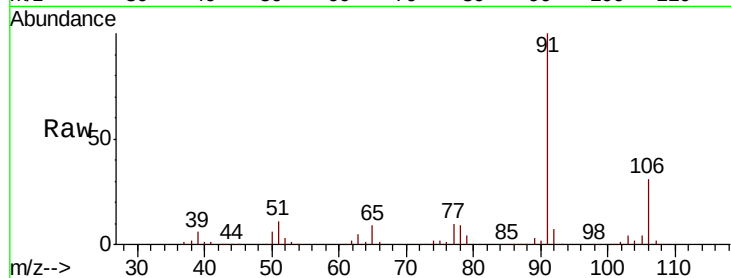
VSTD00526

Tot Ion: 91 Resp: 152182

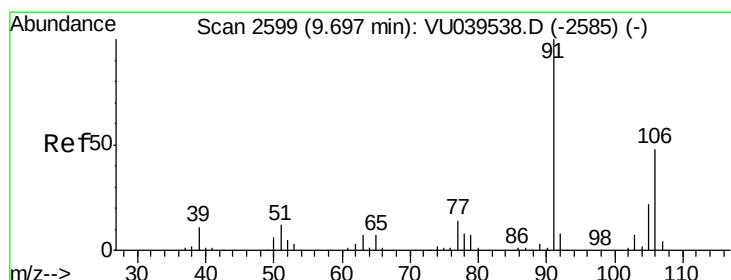
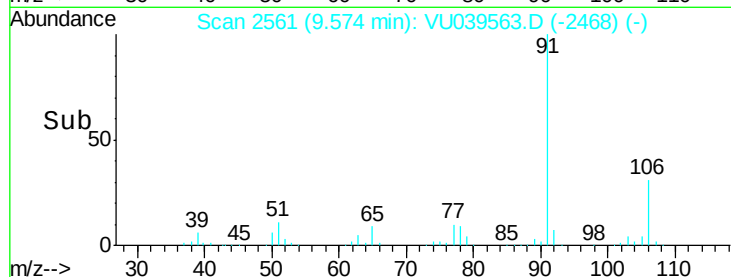
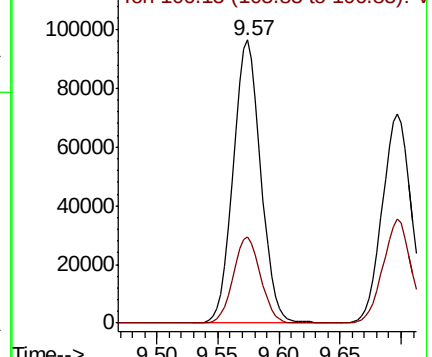
Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039538.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.486 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039563.D

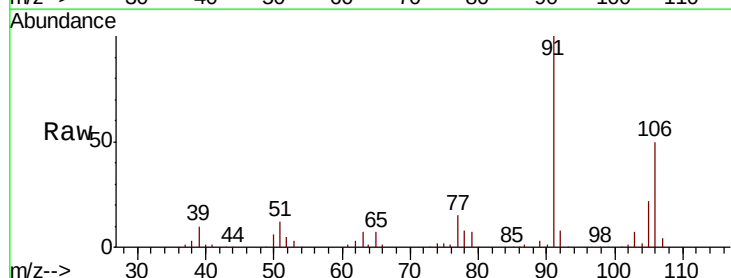
Acq: 17 Jul 2020 20:16

Tgt Ion: 106 Resp: 56511

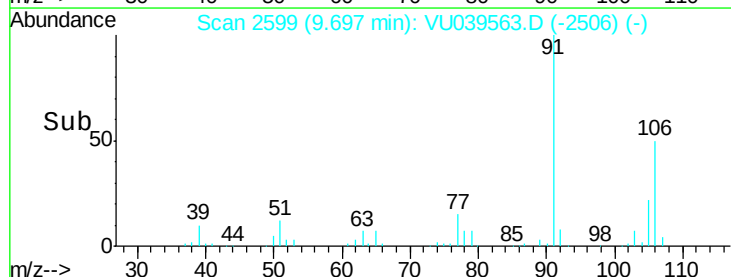
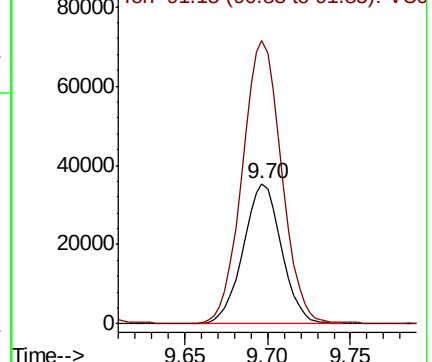
Ion Ratio Lower Upper

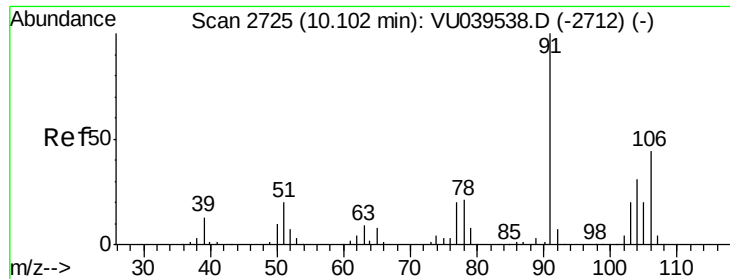
106 100

91 201.7 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039538.D (-2585) (-)

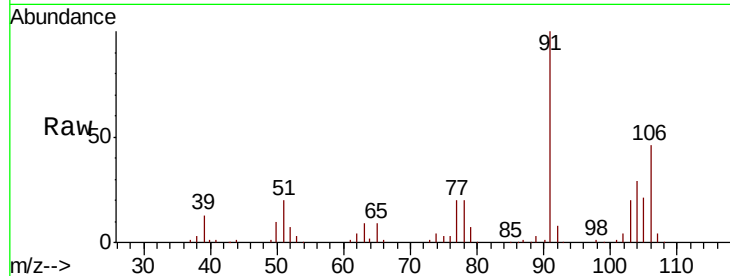




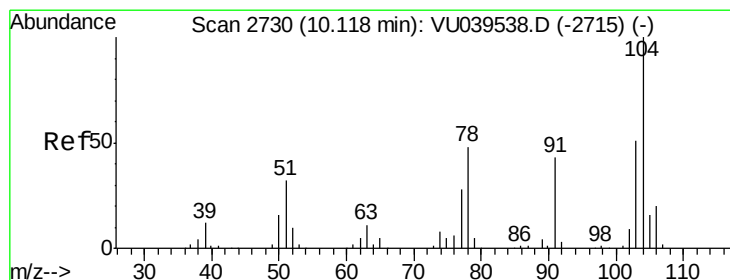
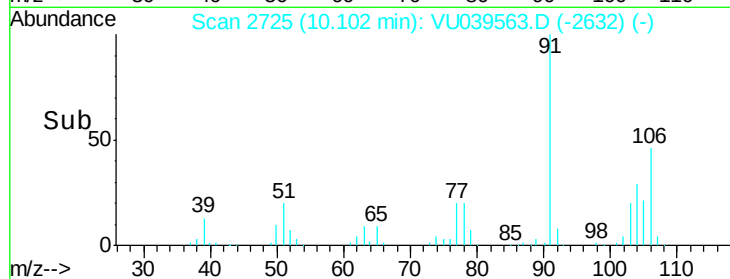
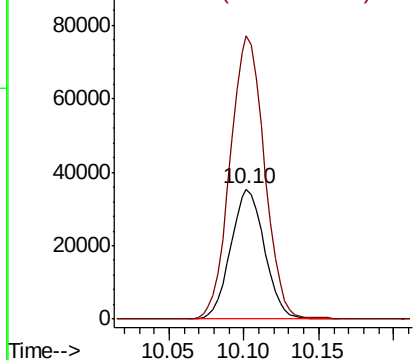
#54
o-Xylene
Concen: 4.549 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:106 Resp: 55786
Ion Ratio Lower Upper
106 100
91 217.3 154.6 287.2

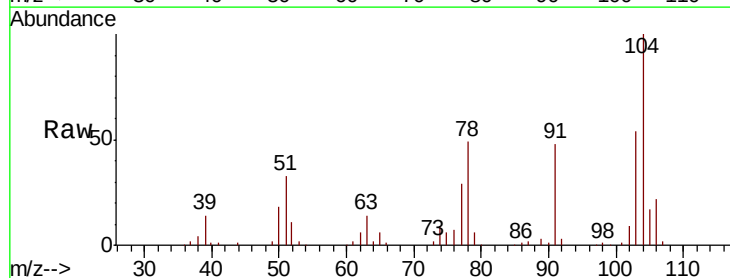


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

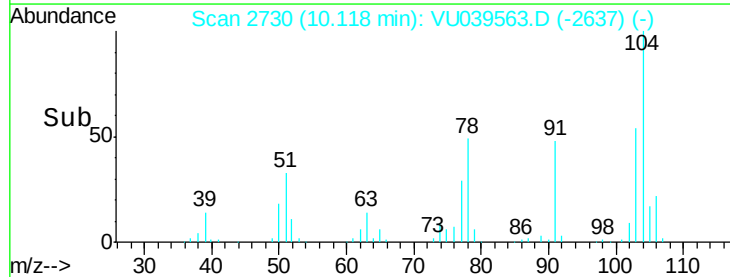
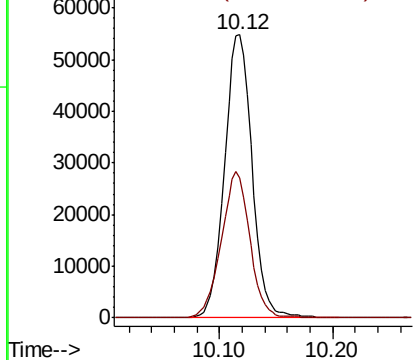


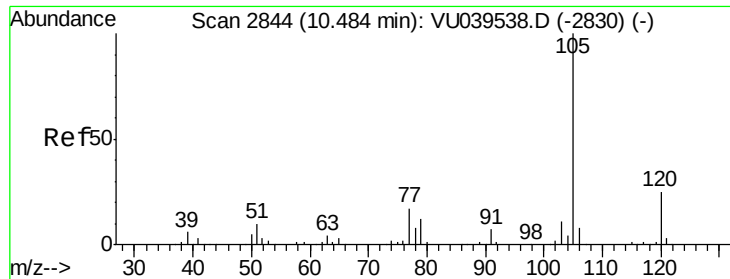
#55
Styrene
Concen: 4.345 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU039563.D
Acq: 17 Jul 2020 20:16

Tgt Ion:104 Resp: 92730
Ion Ratio Lower Upper
104 100
78 49.4 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: 4.523 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

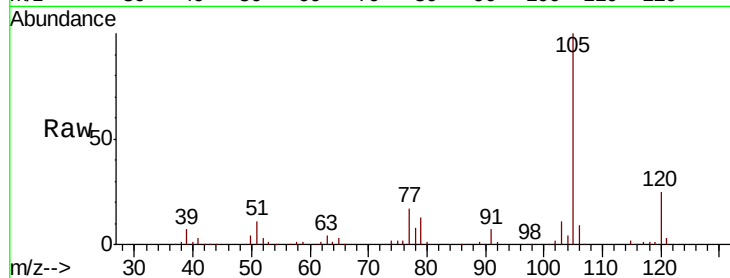
Tot Ion:105 Resp: 150021

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

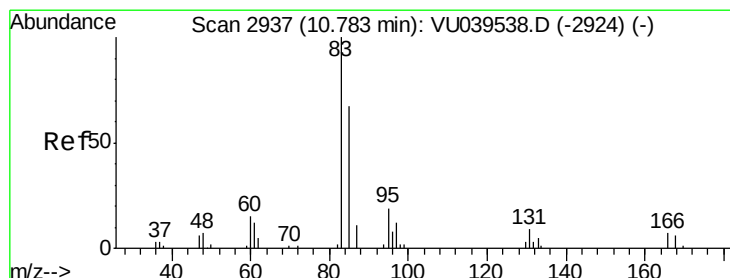
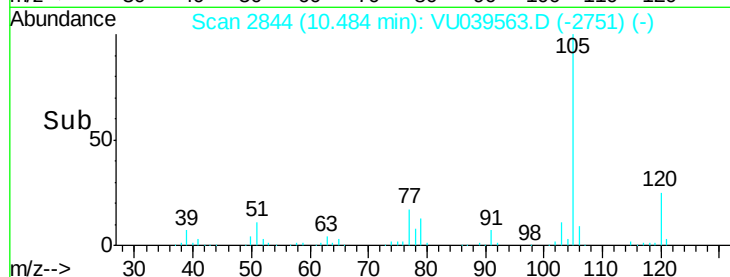
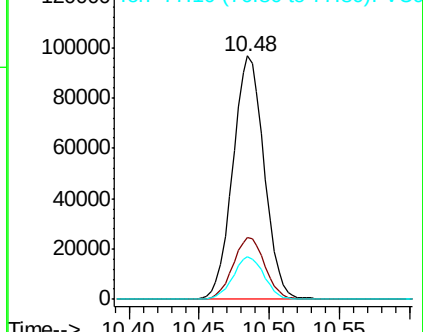
77 17.3 13.9 20.9



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: 4.363 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

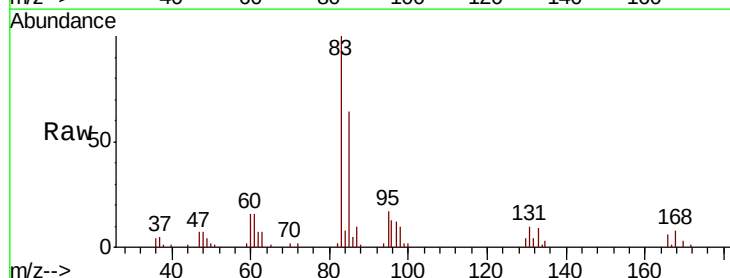
Tgt Ion: 83 Resp: 33596

Ion Ratio Lower Upper

83 100

85 64.3 46.1 85.7

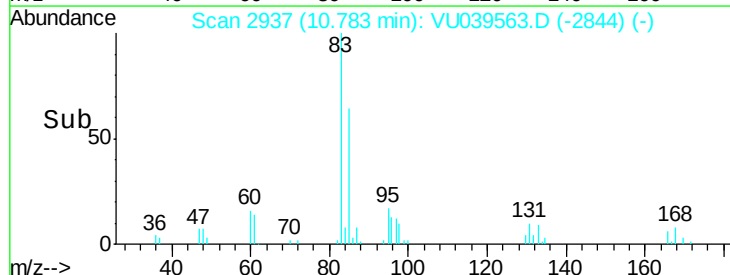
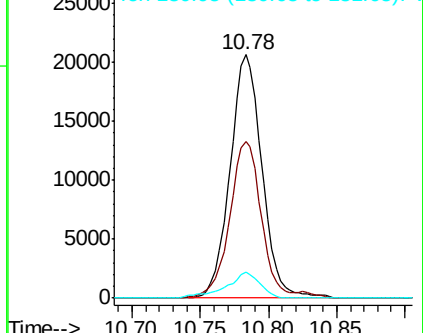
131 10.4 7.4 11.0

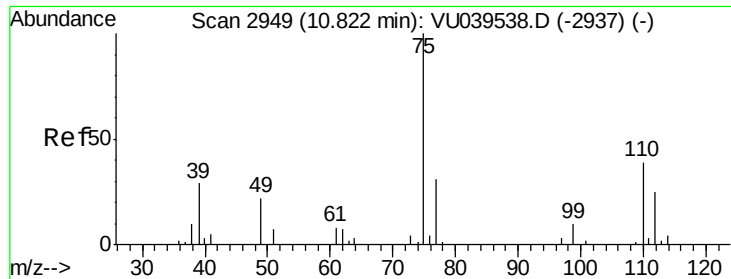


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.356 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

Instrument :

MSVOA_U

ClientSampleId :

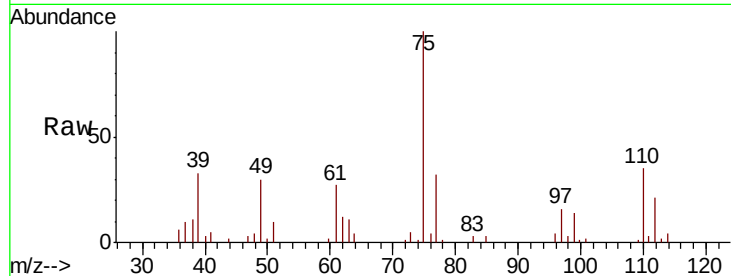
VSTD00526

Tot Ion: 75 Resp: 24728

Ion Ratio Lower Upper

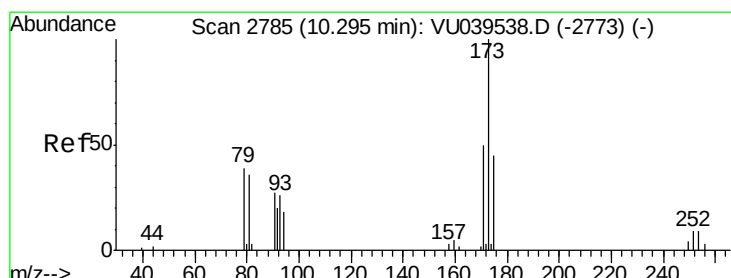
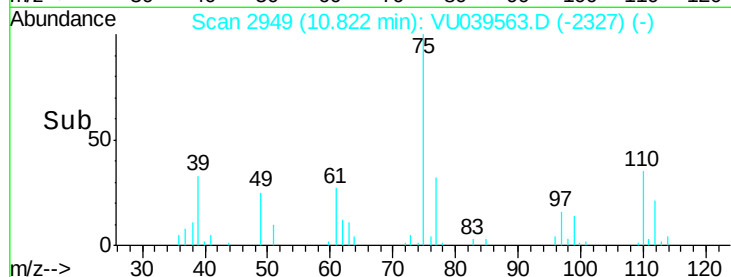
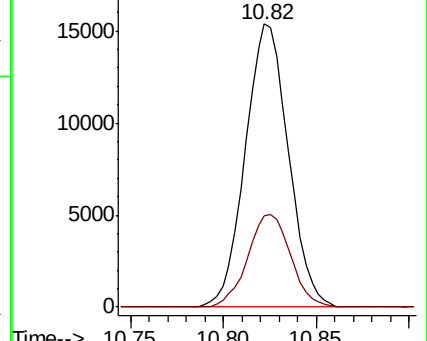
75 100

77 32.7 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039538.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039538.D (-2937) (-)



#61

Bromoform

Concen: 4.136 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

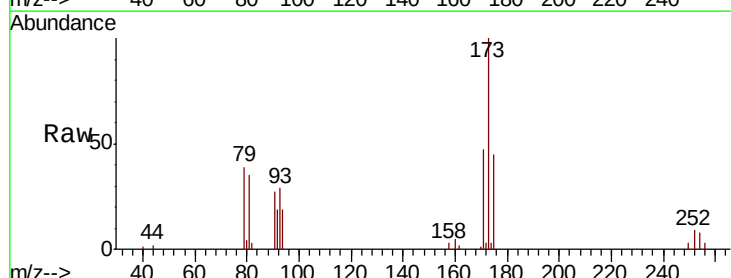
Tgt Ion: 173 Resp: 16689

Ion Ratio Lower Upper

173 100

175 47.1 37.5 56.3

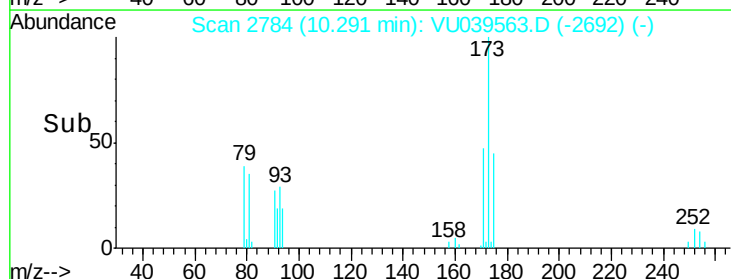
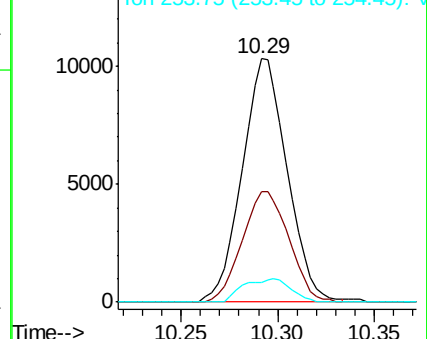
254 10.1 6.7 10.1#

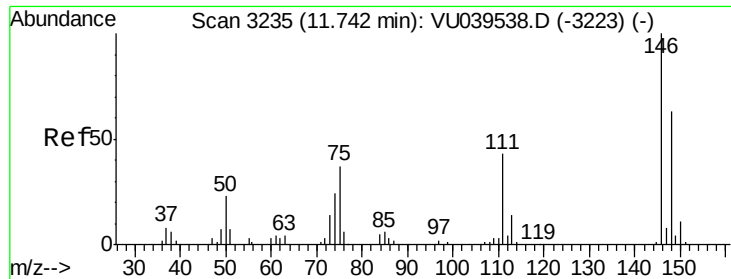


Abundance Ion 172.90 (172.60 to 173.60): VU039538.D (-2773) (-)

Ion 174.90 (174.60 to 175.60): VU039538.D (-2773) (-)

Ion 253.75 (253.45 to 254.45): VU039538.D (-2773) (-)

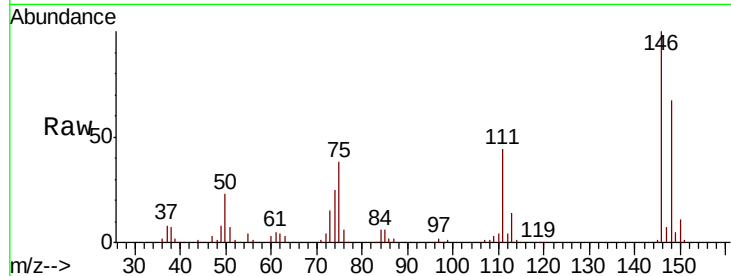




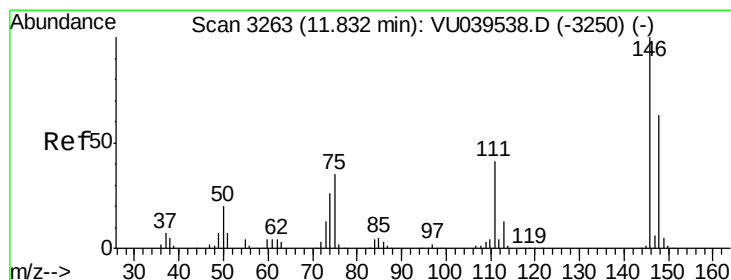
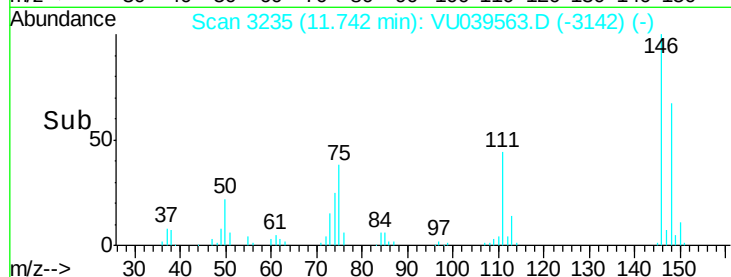
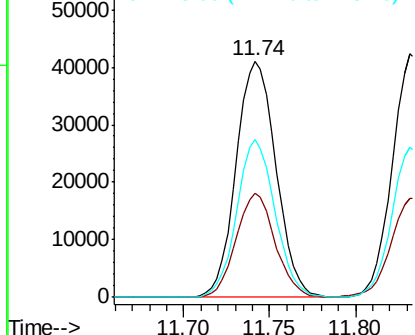
#62
 1,3-Dichlorobenzene
 Concen: 4.423 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039563.D
 Acq: 17 Jul 2020 20:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion:146 Resp: 66348
 Ion Ratio Lower Upper
 146 100
 111 43.9 29.0 53.8
 148 66.7 43.5 80.9

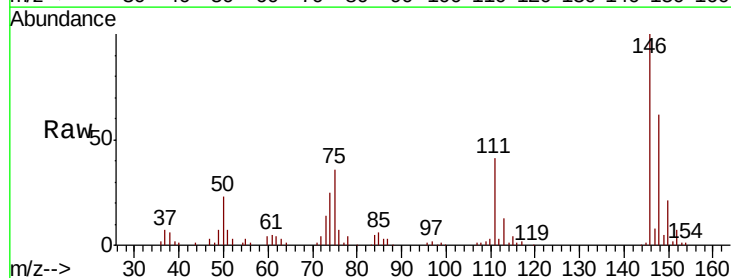


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

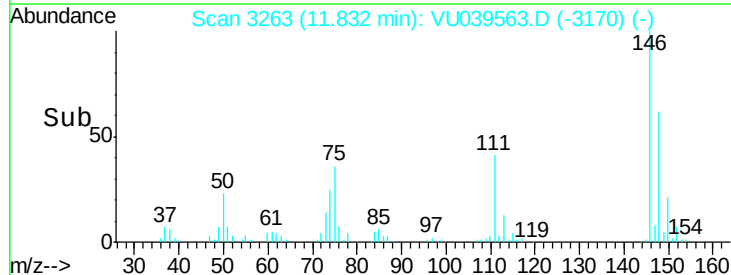
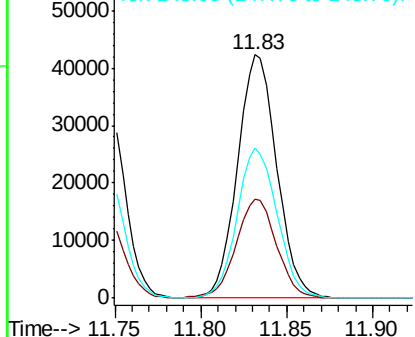


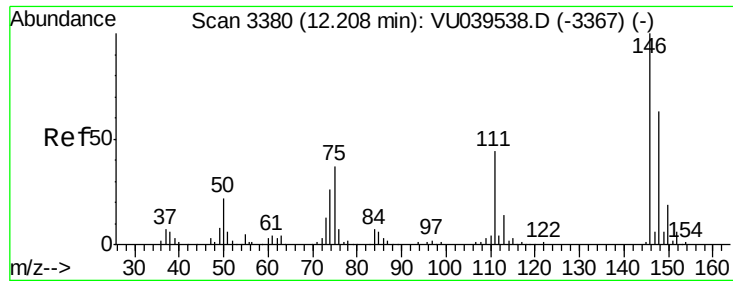
#63
 1,4-Dichlorobenzene
 Concen: 4.455 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039563.D
 Acq: 17 Jul 2020 20:16

Tgt Ion:146 Resp: 67048
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.6 53.0
 148 61.6 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

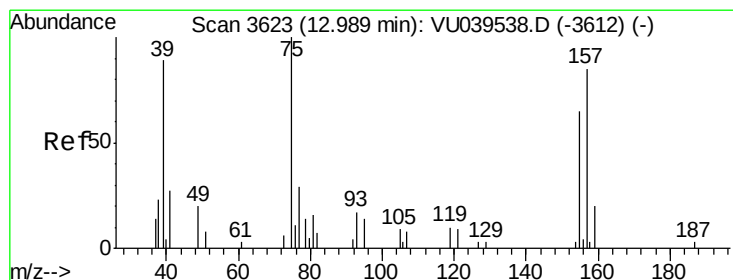
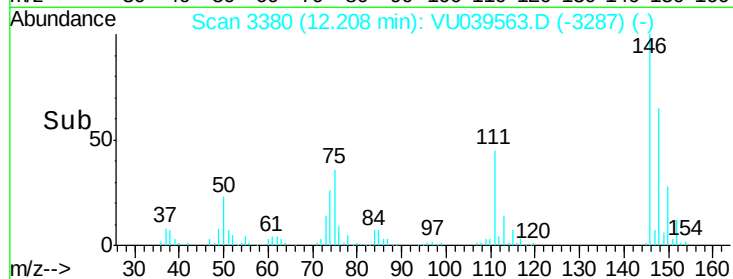
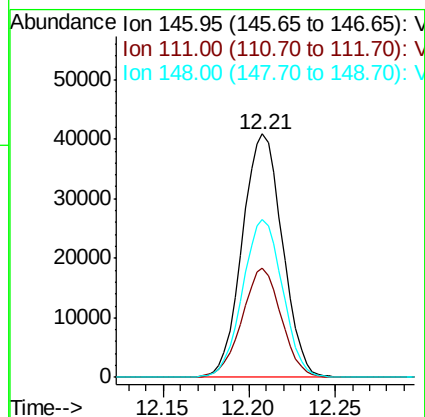
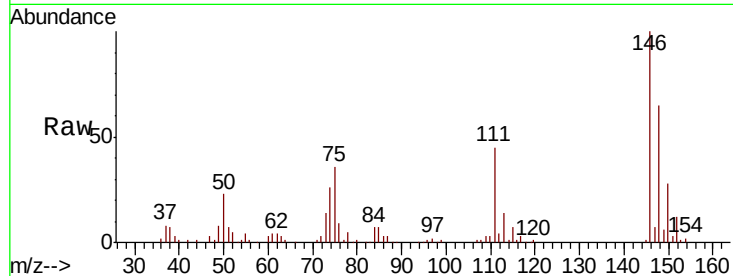




#65
 1,2-Dichlorobenzene
 Concen: 4.416 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039563.D
 Acq: 17 Jul 2020 20:16

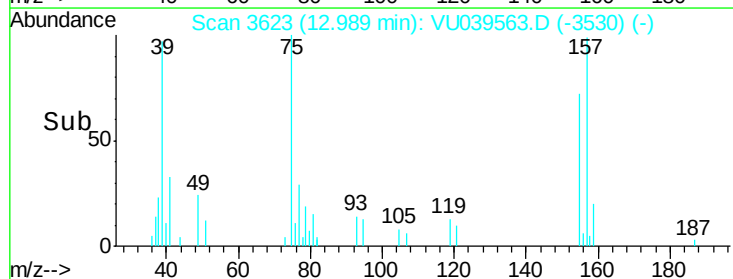
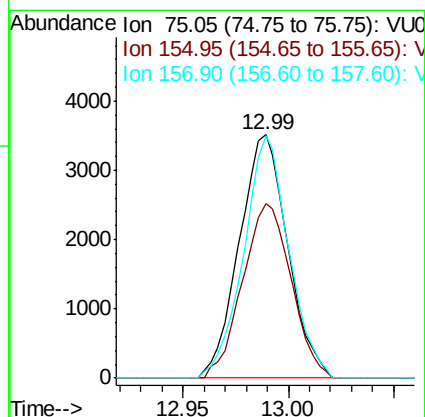
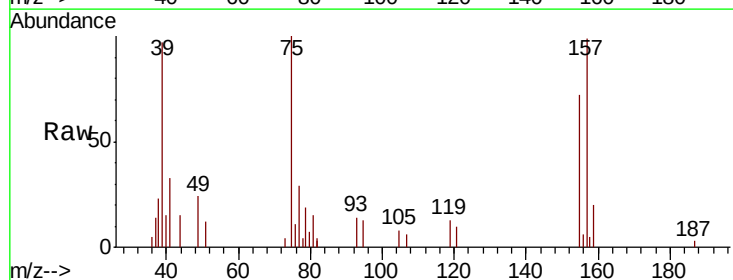
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

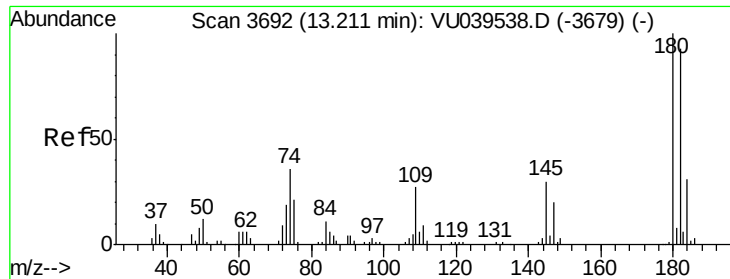
Tot Ion:146 Resp: 66409
 Ion Ratio Lower Upper
 146 100
 111 44.7 35.0 52.4
 148 64.9 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.216 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039563.D
 Acq: 17 Jul 2020 20:16

Tgt Ion: 75 Resp: 5601
 Ion Ratio Lower Upper
 75 100
 155 71.6 51.9 77.9
 157 99.4 63.2 94.8#

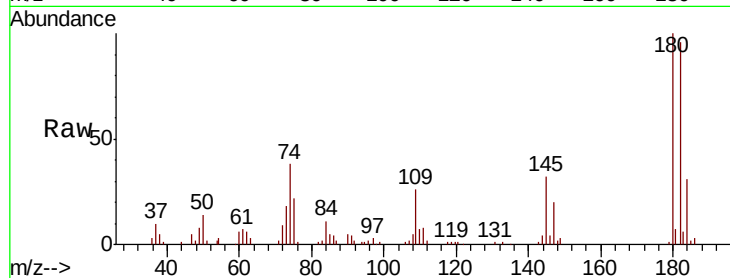




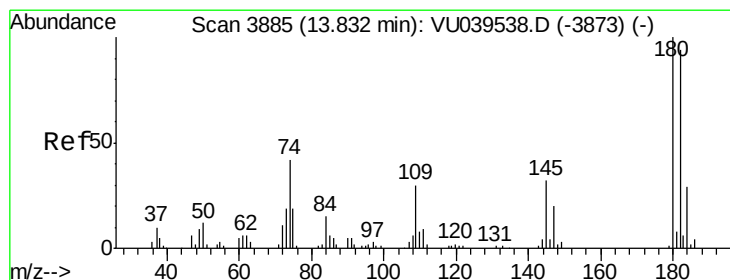
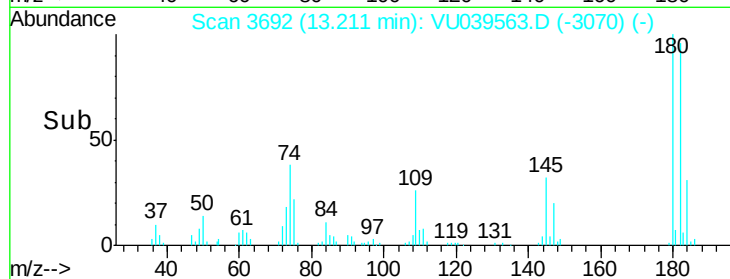
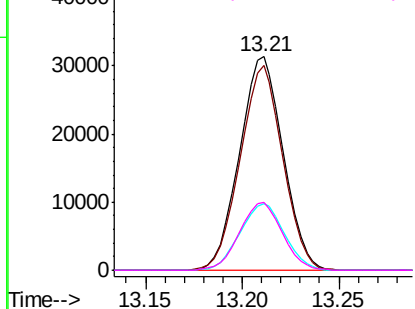
#67
 1,3,5-Trichlorobenzene
 Concen: 4.368 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039563.D
 Acq: 17 Jul 2020 20:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion:180 Resp: 49027
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.2 114.4
 184 31.8 24.2 36.4
 145 31.1 24.2 36.2

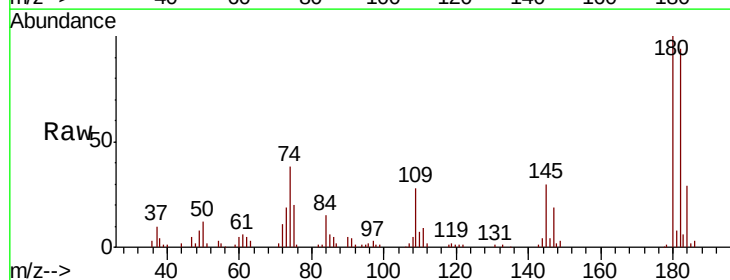


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

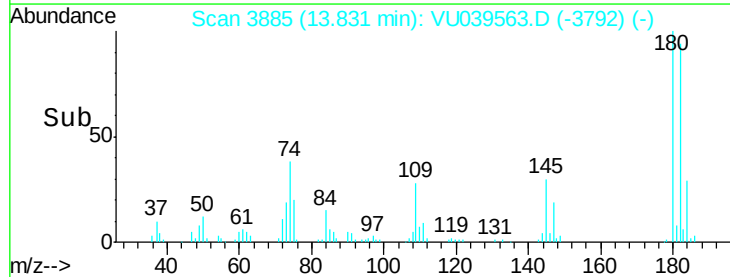
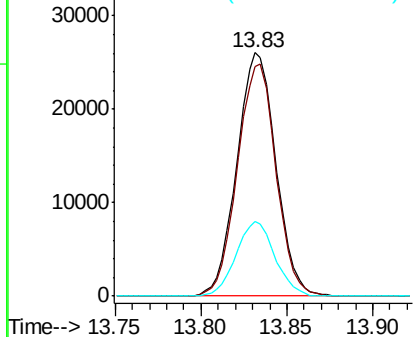


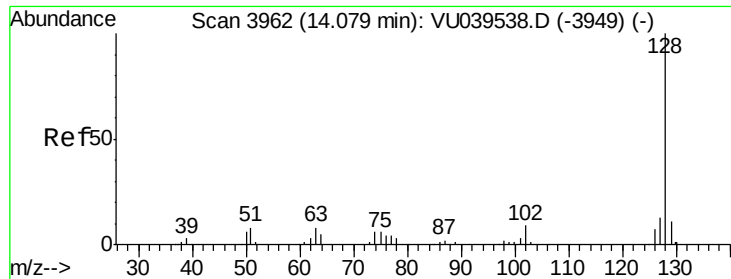
#68
 1,2,4-trichlorobenzene
 Concen: 4.262 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039563.D
 Acq: 17 Jul 2020 20:16

Tgt Ion:180 Resp: 40944
 Ion Ratio Lower Upper
 180 100
 182 94.4 79.4 119.2
 145 30.5 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: 3.437 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

Instrument :

MSVOA_U

ClientSampled :

VSTD00526

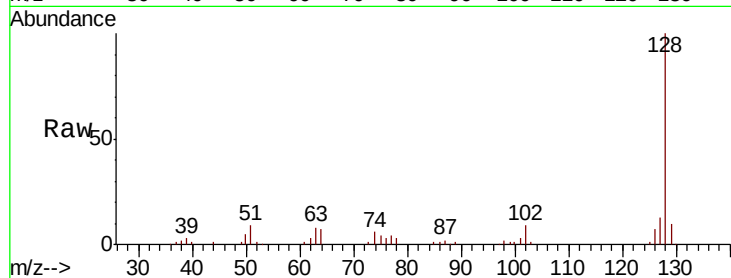
Tot Ion:128 Resp: 66439

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

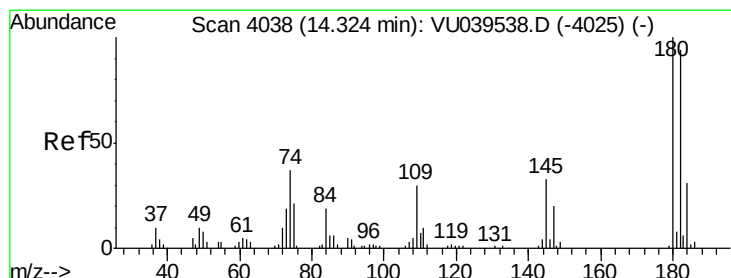
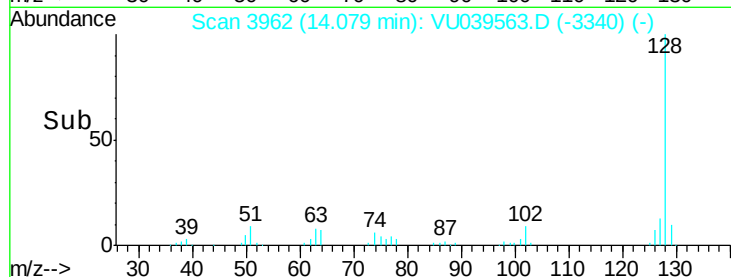
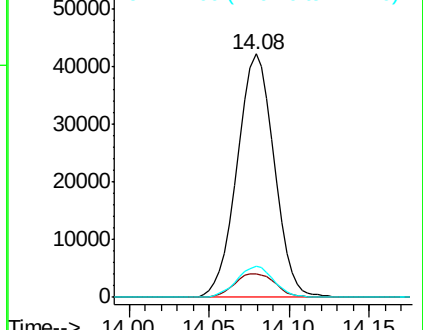
127 12.8 10.4 15.6



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: 4.289 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039563.D

Acq: 17 Jul 2020 20:16

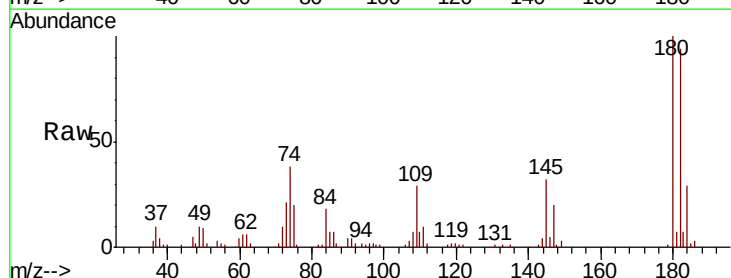
Tgt Ion:180 Resp: 38174

Ion Ratio Lower Upper

180 100

182 94.8 74.2 111.2

145 30.7 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

