

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092520\
 Data File : VU040286.D
 Acq On : 24 Sep 2020 21:39
 Operator : SY/MD
 Sample : VSTDCCCC050
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

Quant Time: Sep 25 02:57:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR092420WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 25 02:46:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	209182	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	205657	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	108822	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	65876	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.92	69	56741	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.58	65	34063	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	4.66	46	265562	52.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.32%
24) Chloroform-d	5.08	84	135423	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.72	65	78837	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.74	84	256821	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.70	67	84786	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.90	98	234611	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	8.18	79	36122	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	8.64	63	191037	52.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.22%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	73721	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
66) 1,2-Dichlorobenzene-d4	12.19	152	90834	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	106416	4.887 ug/L	98
3) Chloromethane	1.53	50	105532	4.912 ug/L	99
5) Vinyl chloride	1.61	62	105317	4.981 ug/L	98
6) Bromomethane	1.87	94	56531	4.998 ug/L	98
8) Chloroethane	1.94	64	63271	5.013 ug/L	97
9) Trichlorofluoromethane	2.15	101	135189	4.745 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	85908	4.886 ug/L	99
12) 1,1-Dichloroethene	2.59	96	80595	4.943 ug/L	99
13) Acetone	2.67	43	219379	53.189 ug/L	100
14) Carbon disulfide	2.81	76	276982	4.850 ug/L	98
15) Methyl Acetate	2.97	43	51428	5.133 ug/L	98
16) Methylene chloride	3.06	84	124708	6.093 ug/L	99
17) Methyl tert-butyl Ether	3.38	73	220490	5.086 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	85676	4.972 ug/L	97
19) 1,1-Dichloroethane	3.89	63	170339	5.021 ug/L	97
21) 2-Butanone	4.74	43	354529	53.355 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	91866	5.088 ug/L	97

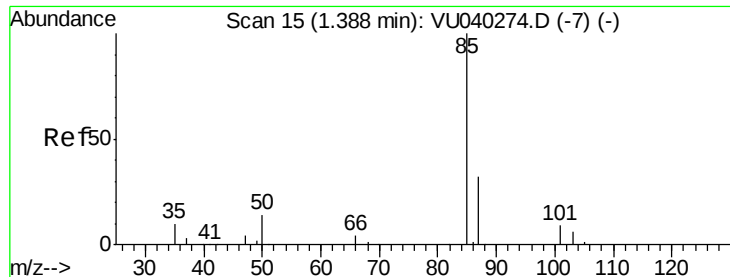
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092520\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	42245	4.996	ug/L	97
25) Chloroform	5.11	83	170781	5.020	ug/L	99
27) 1,2-Dichloroethane	5.81	62	121564	4.970	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	144171	4.996	ug/L	99
30) Cyclohexane	5.40	56	158861	5.039	ug/L	99
31) Carbon tetrachloride	5.54	117	123724	5.012	ug/L	97
33) Benzene	5.79	78	365646	5.124	ug/L	100
34) Trichloroethene	6.55	95	94739	5.114	ug/L	99
35) Methylcyclohexane	6.77	83	140869	4.858	ug/L	100
37) 1,2-Dichloropropane	6.80	63	98970	4.995	ug/L	99
38) Bromodichloromethane	7.11	83	123385	5.093	ug/L	96
39) cis-1,3-Dichloropropene	7.61	75	135548	5.025	ug/L	94
40) 4-Methyl-2-pentanone	7.80	43	815384	53.755	ug/L	99
42) Toluene	7.98	91	380754	5.277	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	125503	5.020	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	70087	5.201	ug/L	94
47) Tetrachloroethene	8.56	164	66131	4.947	ug/L	95
48) 2-Hexanone	8.69	43	614277	55.409	ug/L	99
49) Dibromochloromethane	8.81	129	81010	5.201	ug/L	99
50) 1,2-Dibromoethane	8.93	107	68657	5.235	ug/L	92
51) Chlorobenzene	9.45	112	235170	5.068	ug/L	98
52) Ethylbenzene	9.57	91	411843	5.167	ug/L	100
53) m,p-Xylene	9.69	106	155557	5.412	ug/L	98
54) o-Xylene	10.10	106	144365	5.213	ug/L	100
55) Styrene	10.11	104	258558	5.417	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.78	83	91340	5.114	ug/L	99
59) Bromoform	10.29	173	45523	5.132	ug/L	96
60) Isopropylbenzene	10.48	105	395030	5.178	ug/L	100
61) 1,2,3-Trichloropropane	10.82	75	70703	5.004	ug/L	98
62) 1,3,5-Trimethylbenzene	11.09	105	318963	5.163	ug/L	98
63) 1,2,4-Trimethylbenzene	11.46	105	331684	5.307	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	191133	5.064	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	193116	4.958	ug/L	99
67) 1,2-Dichlorobenzene	12.20	146	181863	5.073	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	15955	4.813	ug/L	92
69) 1,3,5-Trichlorobenzene	13.21	180	129730	4.874	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	106476	4.958	ug/L	99
71) Naphthalene	14.08	128	184005	4.938	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	101872	5.310	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 4.887 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

Instrument :

MSVOA_U

ClientSampleId :

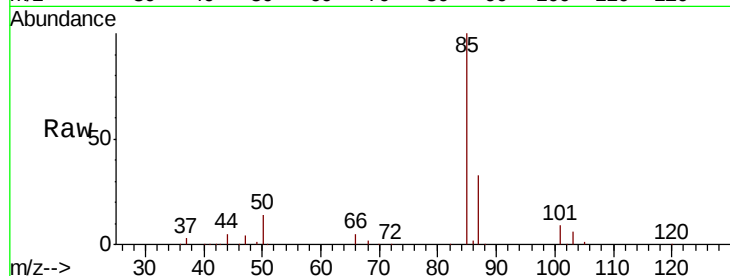
VSTD005108

Tot Ion: 85 Resp: 106416

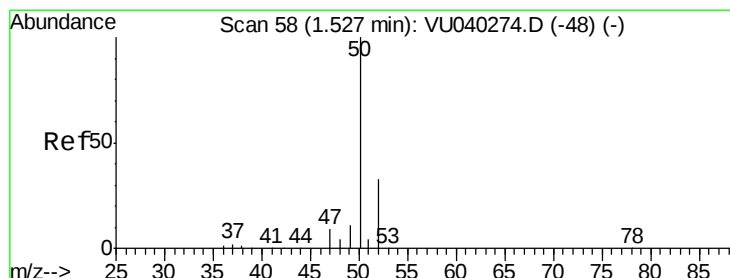
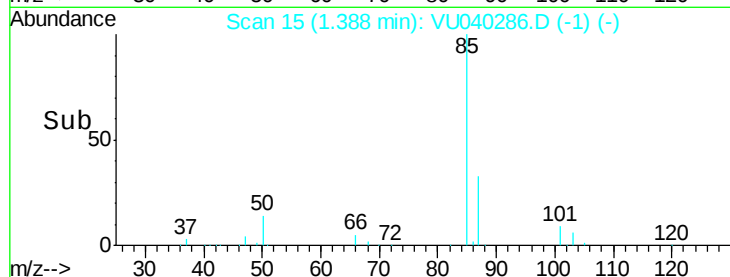
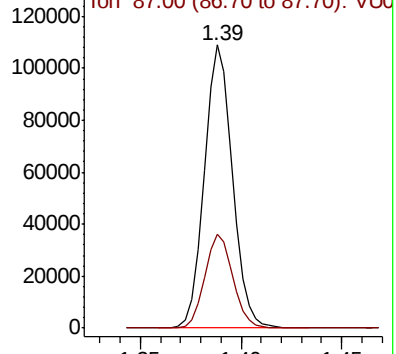
Ion Ratio Lower Upper

85 100

87 33.2 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU040286.D (-1) (-)



#3

Chloromethane

Concen: 4.912 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040286.D

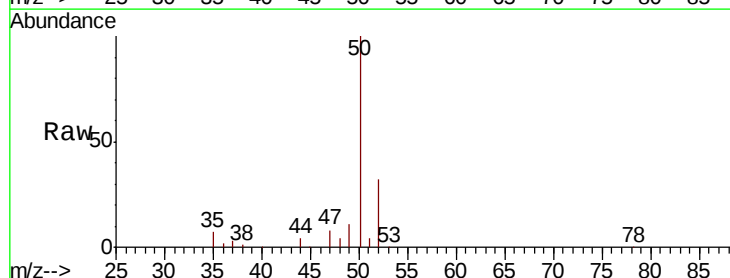
Acq: 24 Sep 2020 21:39

Tgt Ion: 50 Resp: 105532

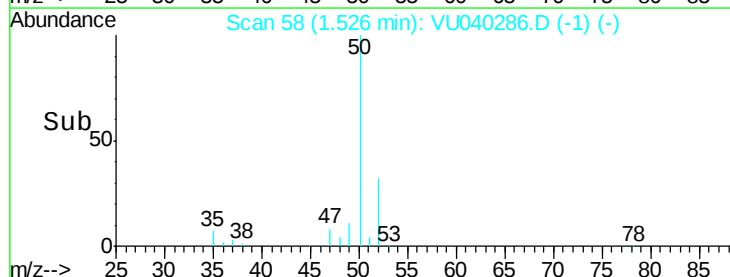
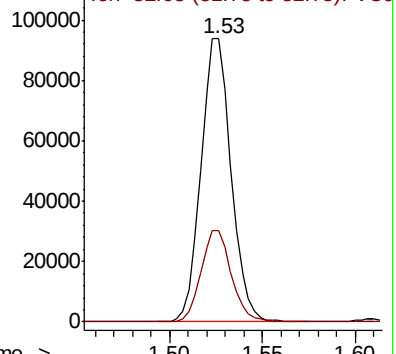
Ion Ratio Lower Upper

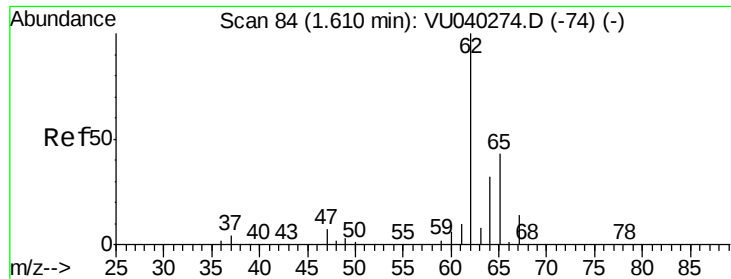
50 100

52 32.2 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU040286.D (-1) (-)





#5

Vinyl chloride

Concen: 4.981 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

Instrument :

MSVOA_U

ClientSampleId :

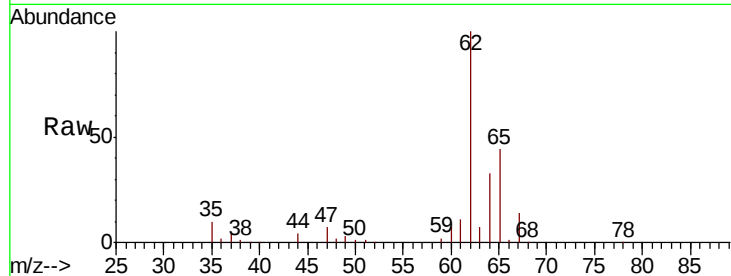
VSTD005108

Tot Ion: 62 Resp: 105317

Ion Ratio Lower Upper

62 100

64 32.7 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

100000

80000

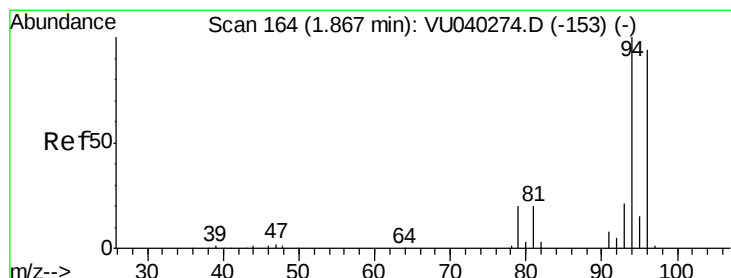
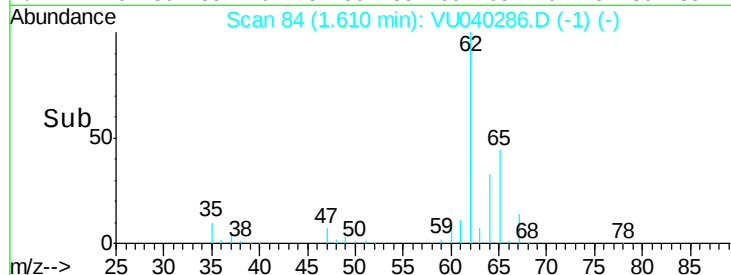
60000

40000

20000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 4.998 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040286.D

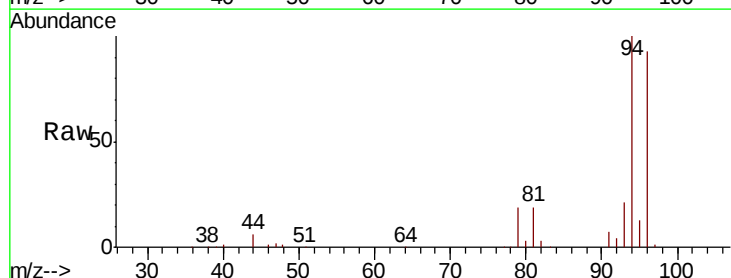
Acq: 24 Sep 2020 21:39

Tgt Ion: 94 Resp: 56531

Ion Ratio Lower Upper

94 100

96 92.8 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

50000

40000

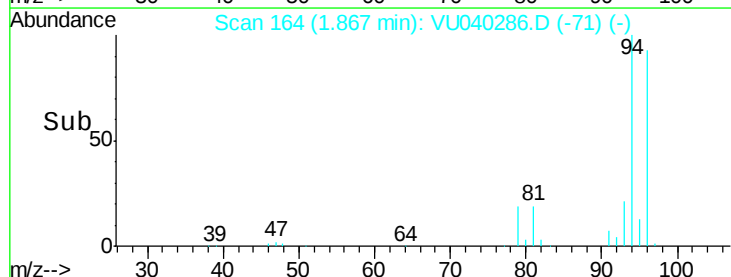
30000

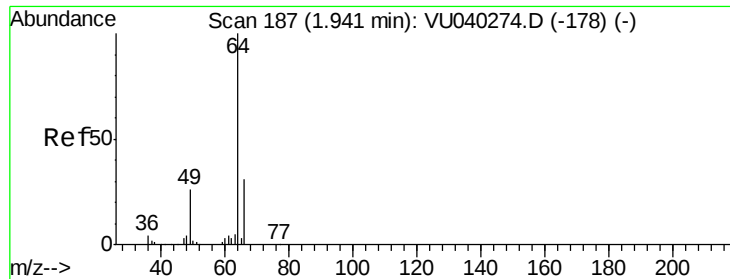
20000

10000

0

Time--> 1.80 1.85 1.90 1.95

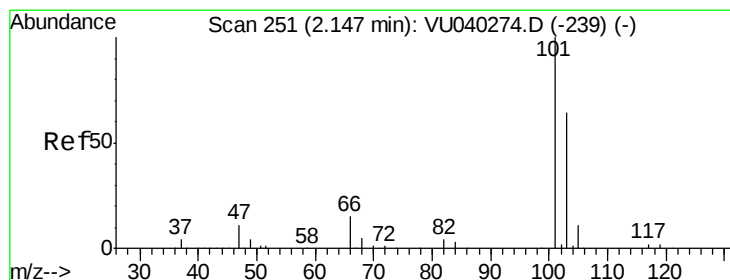
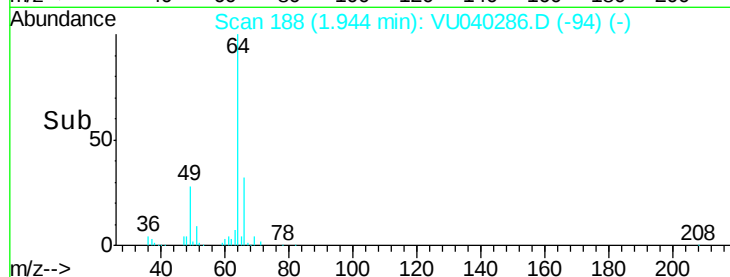
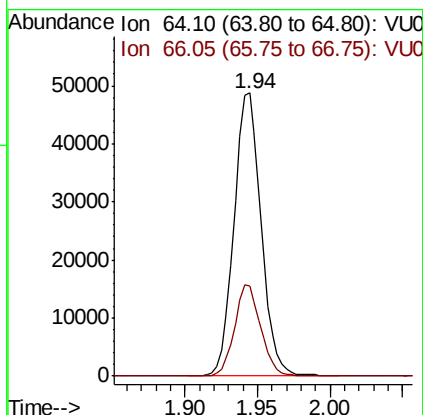
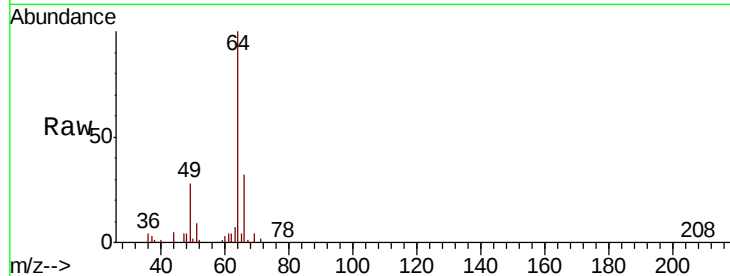




#8
Chloroethane
Concen: 5.013 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040286.D
Acq: 24 Sep 2020 21:39

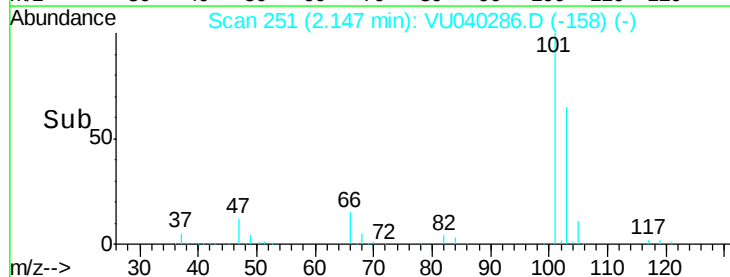
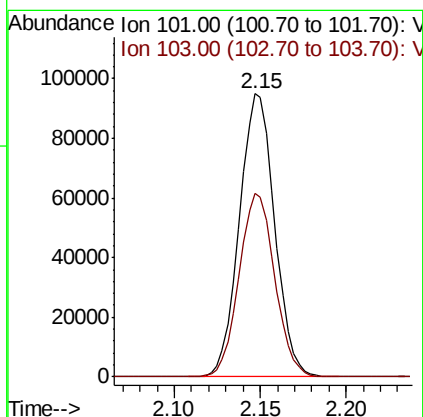
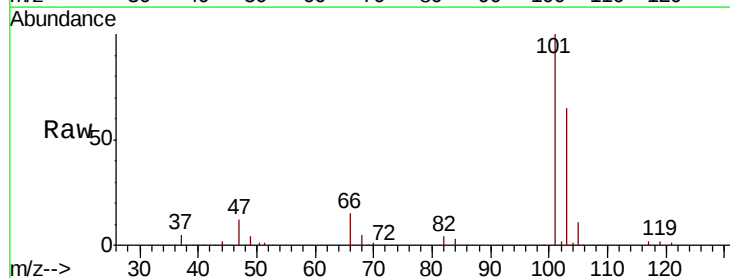
Instrument :
MSVOA_U
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VSTD005108

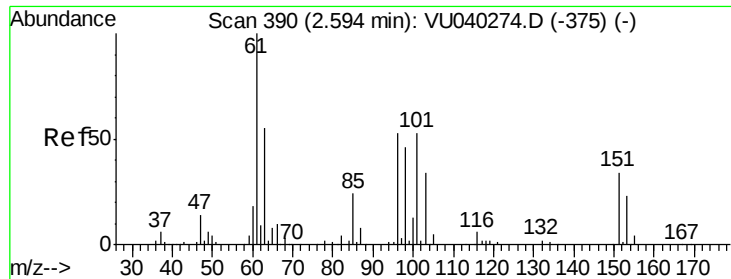
Tot Ion: 64 Resp: 63271
Ion Ratio Lower Upper
64 100
66 32.0 21.3 39.6



#9
Trichlorofluoromethane
Concen: 4.745 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040286.D
Acq: 24 Sep 2020 21:39

Tgt Ion:101 Resp: 135189
Ion Ratio Lower Upper
101 100
103 65.6 51.2 76.8





#10

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

Concen: 4.886 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005108

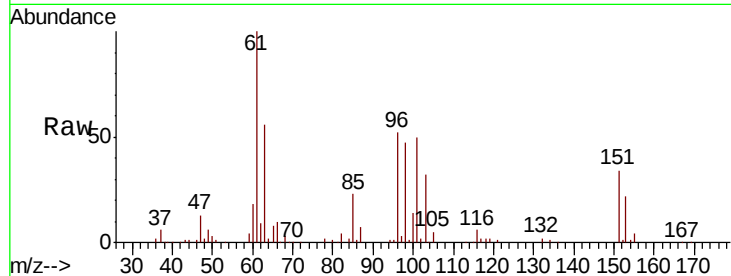
Tot Ion:101 Resp: 85908

Ion Ratio Lower Upper

101 100

85 46.0 36.7 55.1

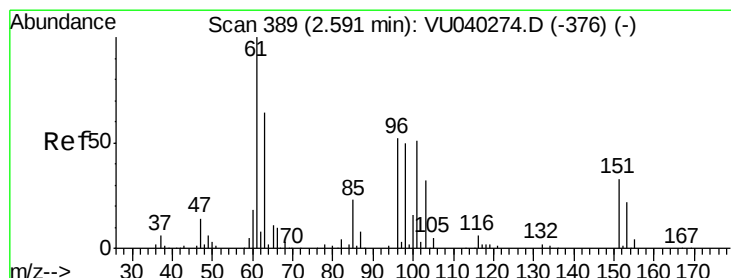
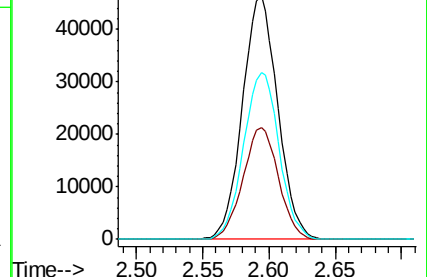
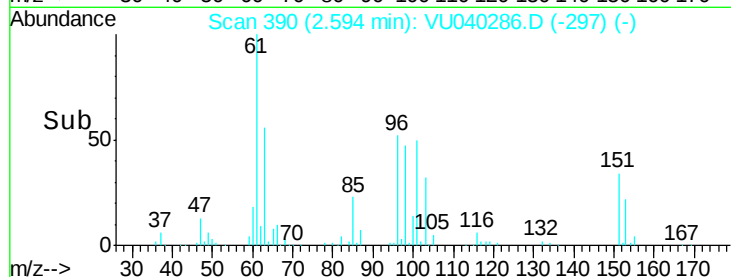
151 68.9 54.5 81.7



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: 4.943 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

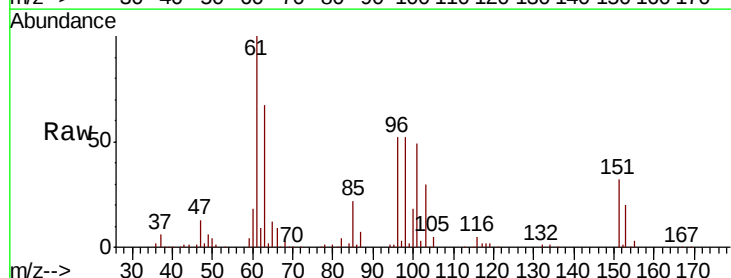
Tgt Ion: 96 Resp: 80595

Ion Ratio Lower Upper

96 100

61 192.7 134.3 249.3

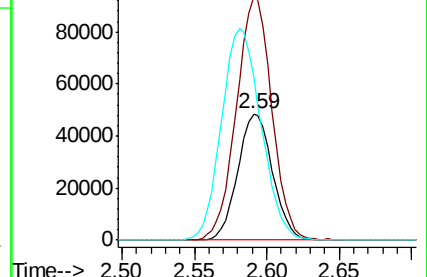
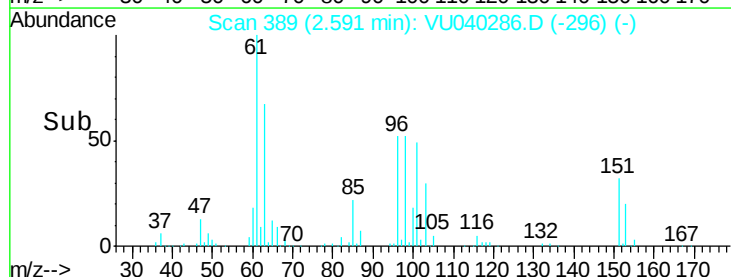
63 128.5 88.5 164.4

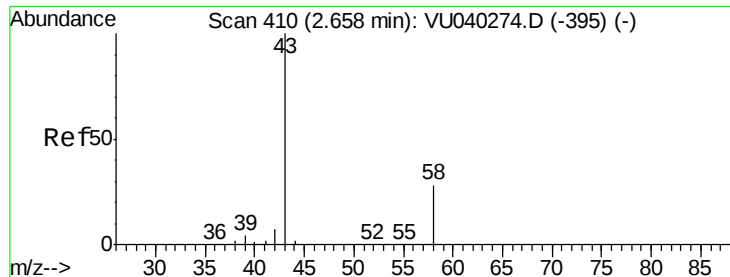


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.189 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

Instrument :

MSVOA_U

ClientSampleId :

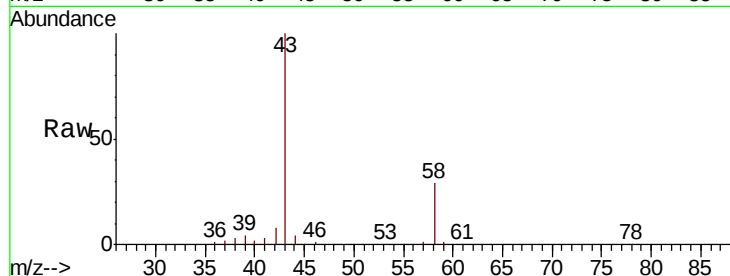
VSTD005108

Tot Ion: 43 Resp: 219379

Ion Ratio Lower Upper

43 100

58 28.4 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VU040274.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU040274.D (-395) (-)

2.67

60000

50000

40000

30000

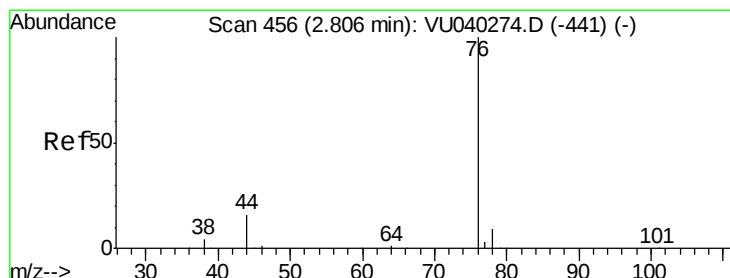
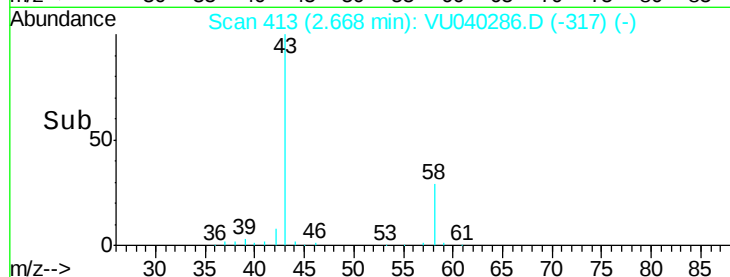
20000

10000

0

Time-->

2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 4.850 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040286.D

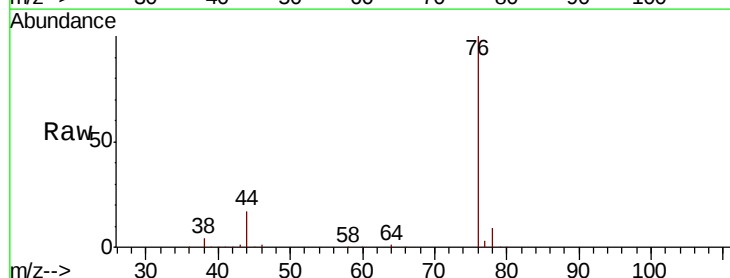
Acq: 24 Sep 2020 21:39

Tgt Ion: 76 Resp: 276982

Ion Ratio Lower Upper

76 100

78 9.3 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU040274.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU040274.D (-441) (-)

2.81

150000

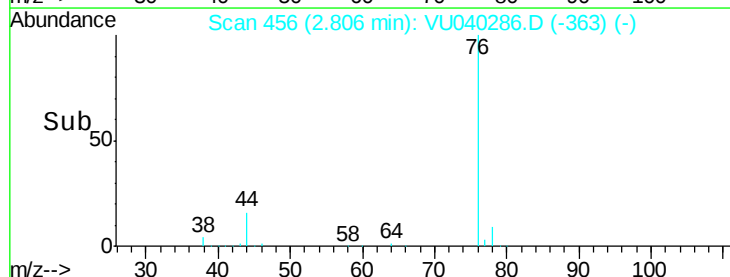
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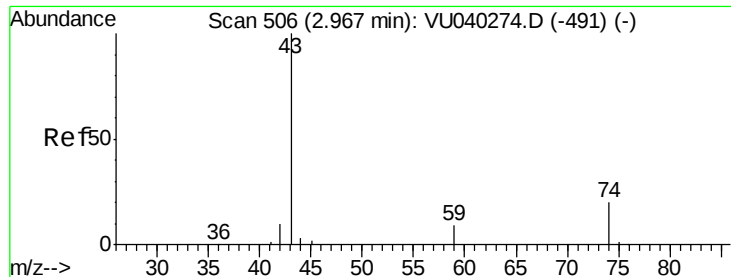
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0

Time-->

2.70 2.80 2.90

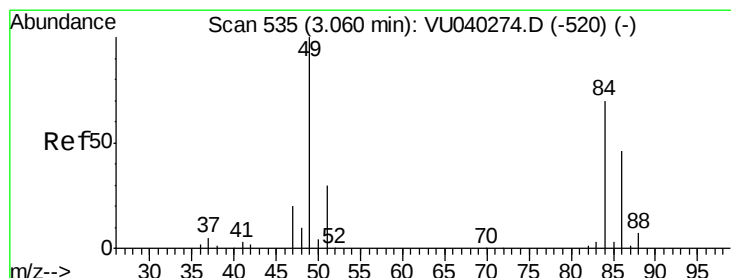
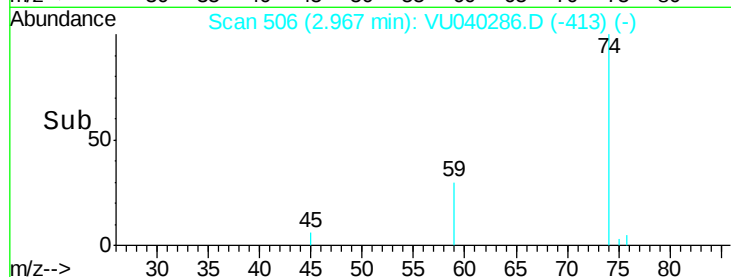
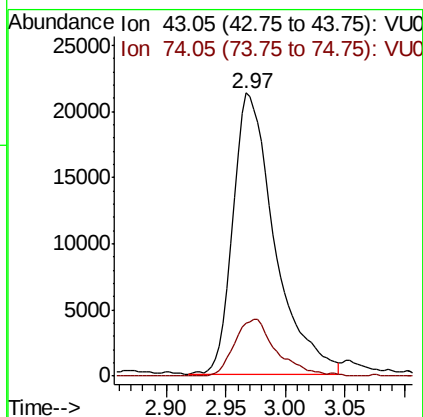
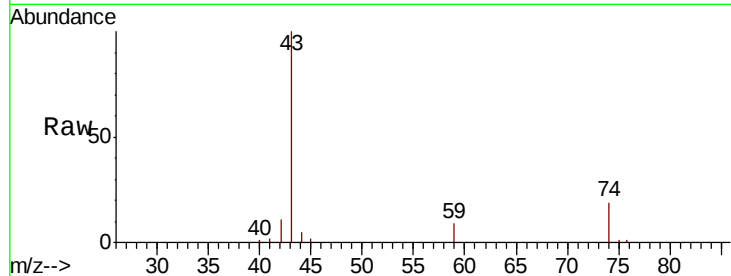




#15
Methvl Acetate
Concen: 5.133 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU040286.D
Acq: 24 Sep 2020 21:39

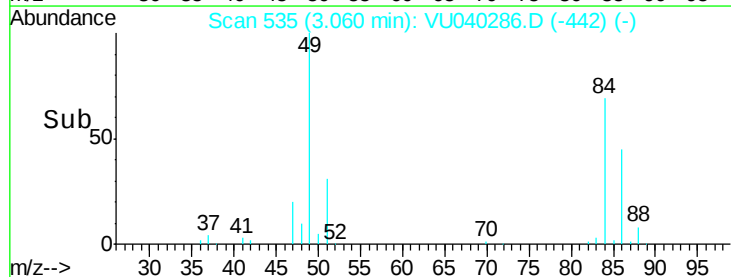
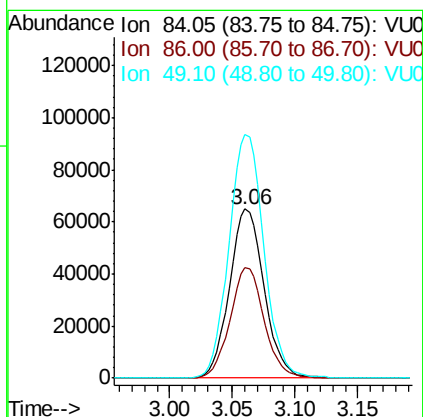
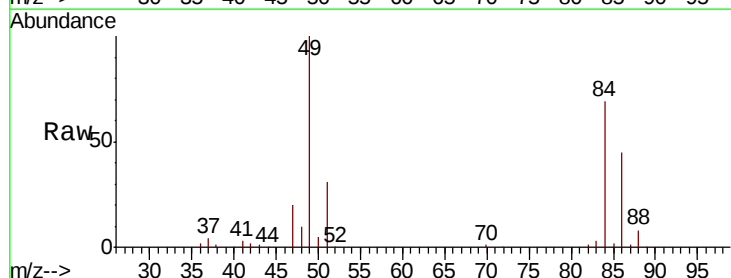
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

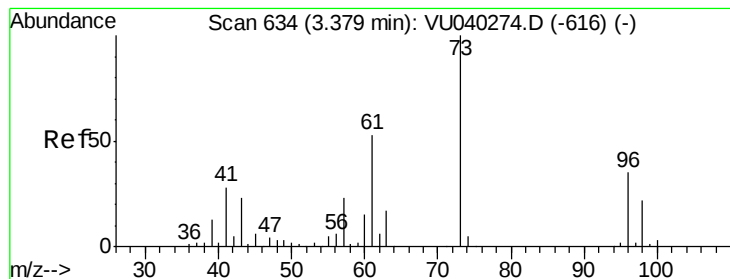
Tot Ion: 43 Resp: 51428
Ion Ratio Lower Upper
43 100
74 20.3 16.9 25.3



#16
Methylene chloride
Concen: 6.093 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040286.D
Acq: 24 Sep 2020 21:39

Tgt Ion: 84 Resp: 124708
Ion Ratio Lower Upper
84 100
86 65.2 45.8 85.0
49 144.2 100.4 186.4



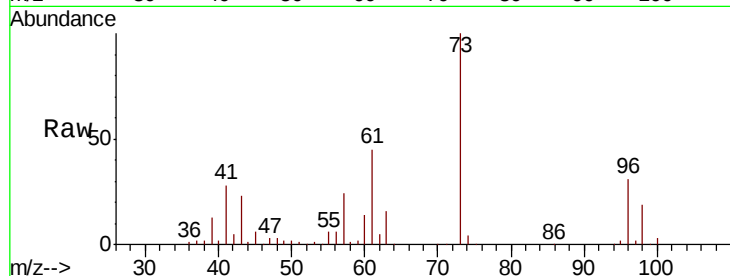


#17

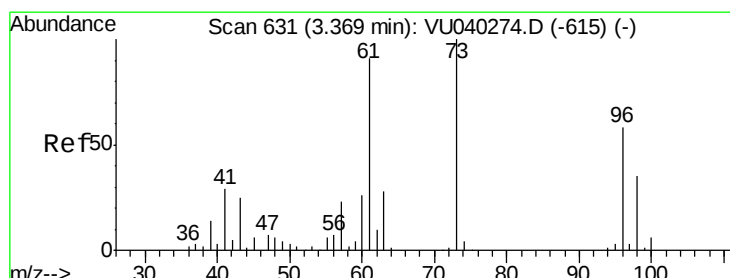
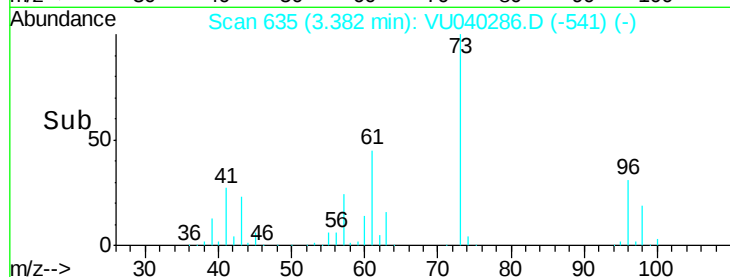
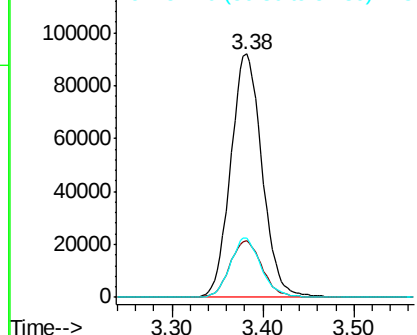
Methvl tert-butvl Ether
 Concen: 5.086 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

Tot Ion: 73 Resp: 220490
 Ion Ratio Lower Upper
 73 100
 43 23.8 19.0 28.6
 57 24.1 18.6 27.8



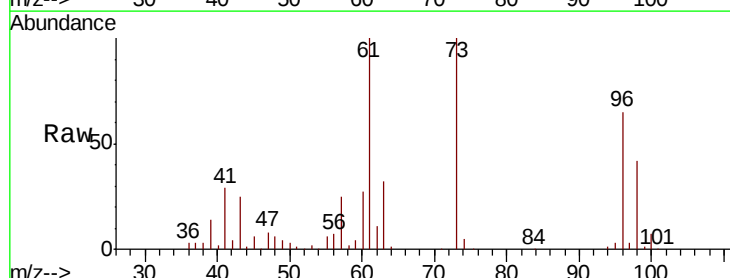
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



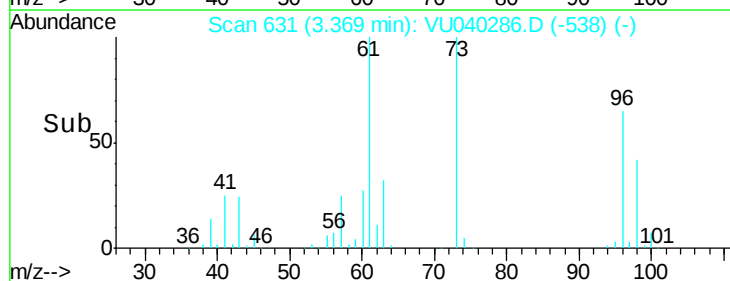
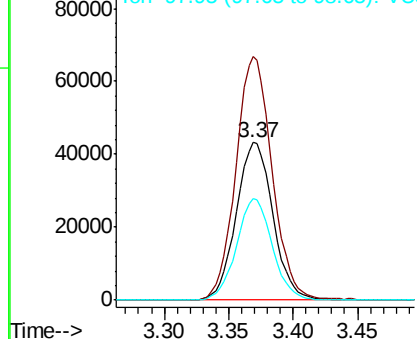
#18

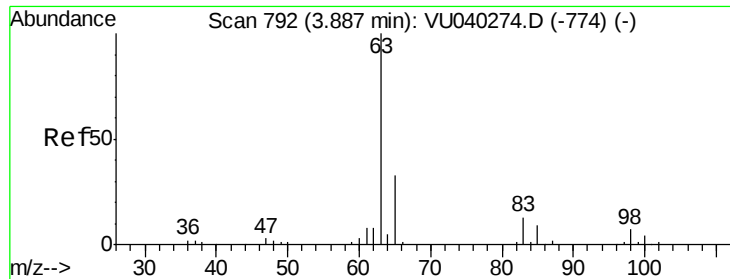
trans-1,2-Dichloroethene
 Concen: 4.972 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

Tgt Ion: 96 Resp: 85676
 Ion Ratio Lower Upper
 96 100
 61 154.5 110.7 205.5
 98 64.8 43.1 80.1



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

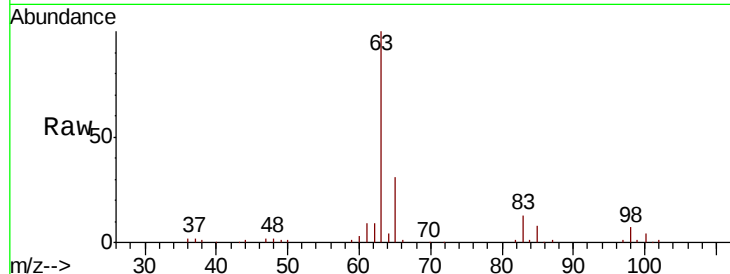




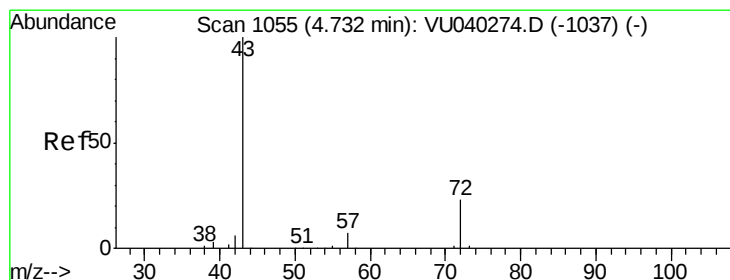
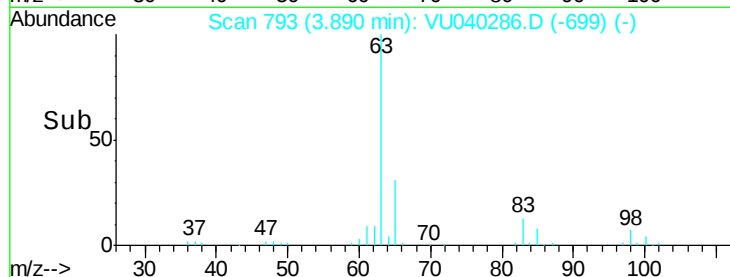
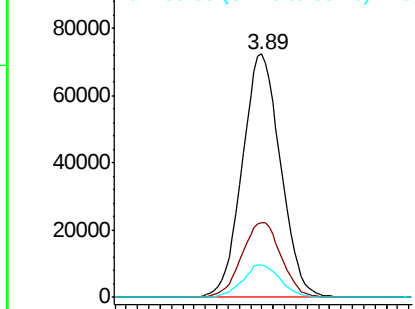
#19
 1,1-Dichloroethane
 Concen: 5.021 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

Tot Ion: 63 Resp: 170339
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.0 42.6
 83 13.4 9.0 16.8

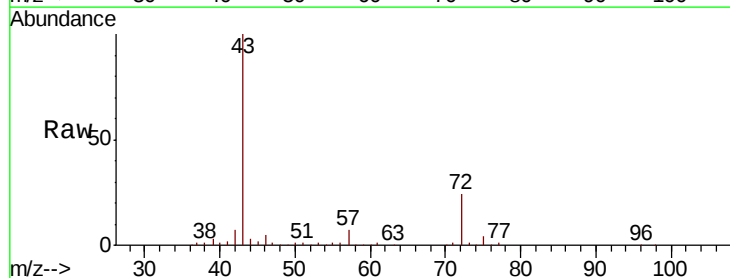


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

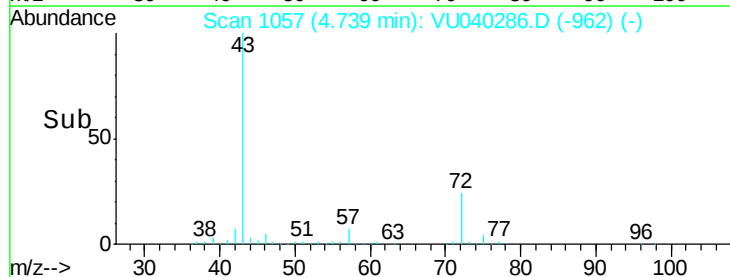
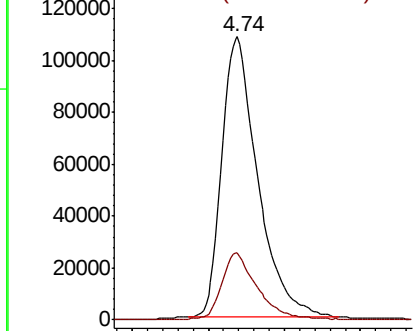


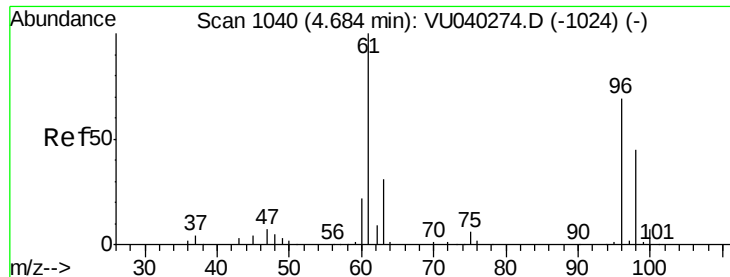
#21
 2-Butanone
 Concen: 53.355 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

Tgt Ion: 43 Resp: 354529
 Ion Ratio Lower Upper
 43 100
 72 24.1 11.8 35.3



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

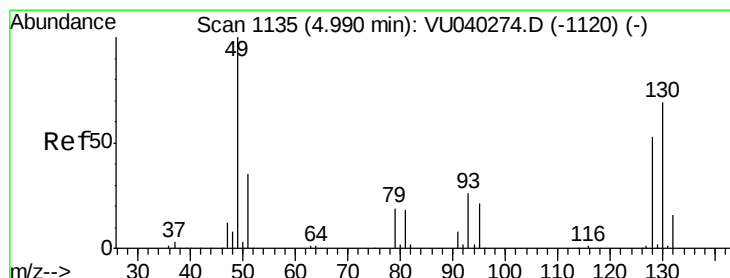
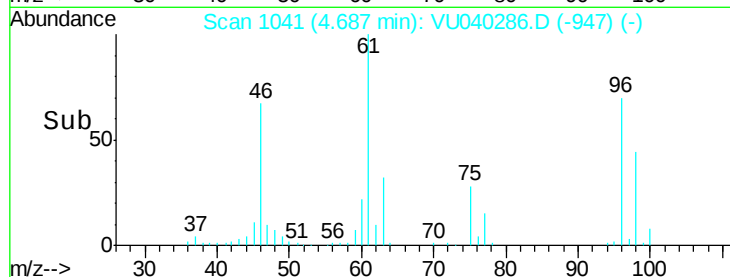
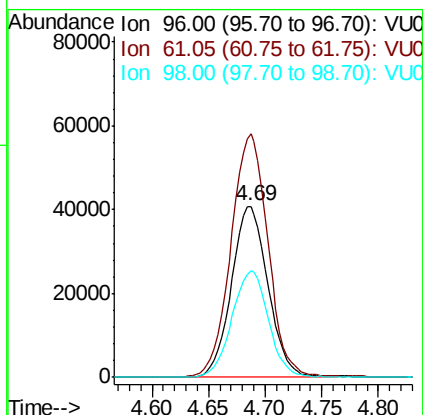
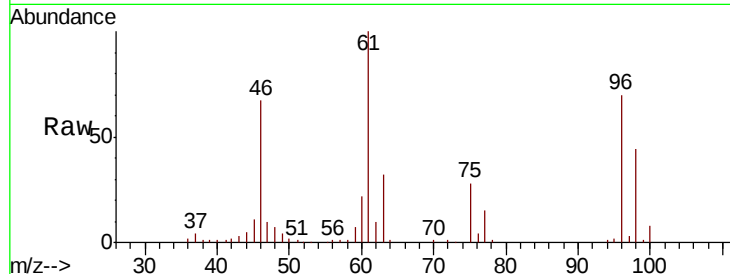




#22
 cis-1,2-Dichloroethene
 Concen: 5.088 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

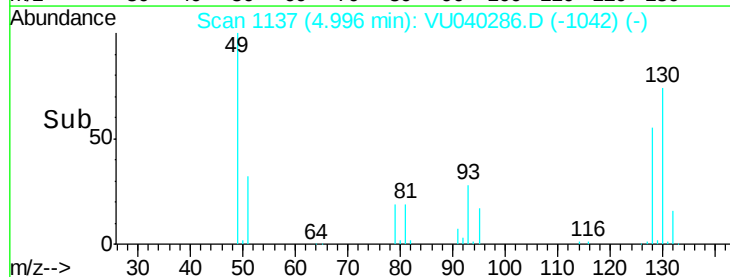
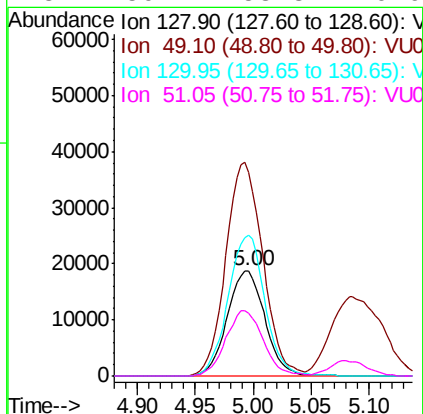
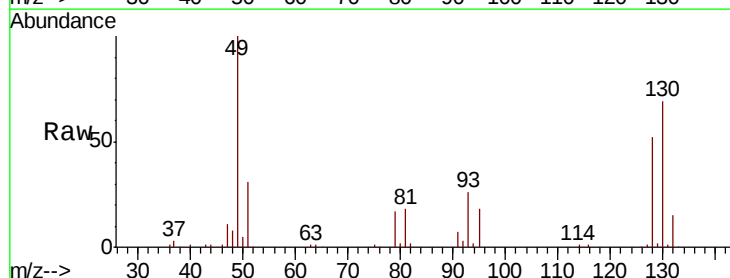
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

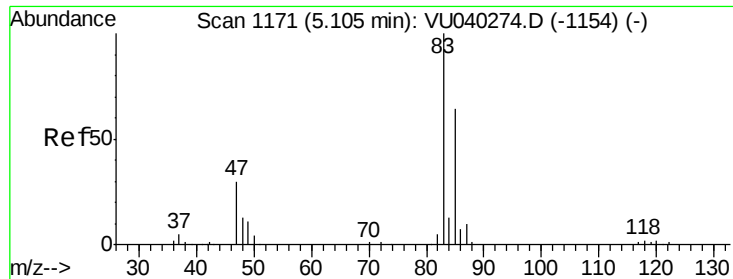
Tot Ion: 96 Resp: 91866
 Ion Ratio Lower Upper
 96 100
 61 142.6 101.9 189.3
 98 62.3 46.0 85.4



#23
 Bromochloromethane
 Concen: 4.996 ug/L
 RT: 5.00 min Scan# 1137
 Delta R.T. 0.01 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

Tgt Ion: 128 Resp: 42245
 Ion Ratio Lower Upper
 128 100
 49 193.2 133.0 247.0
 130 133.8 91.8 170.6
 51 59.1 53.3 79.9

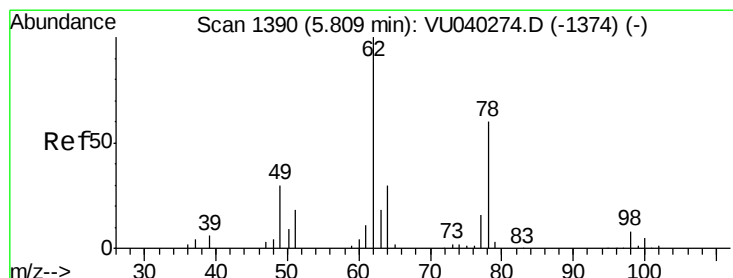
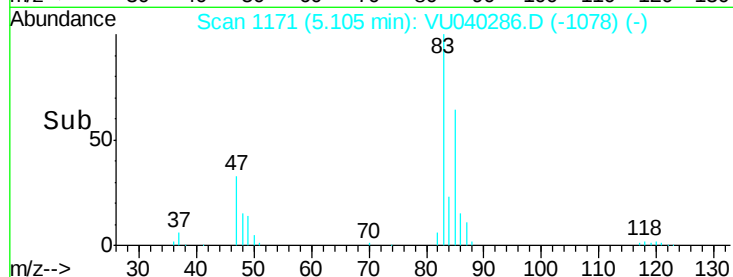
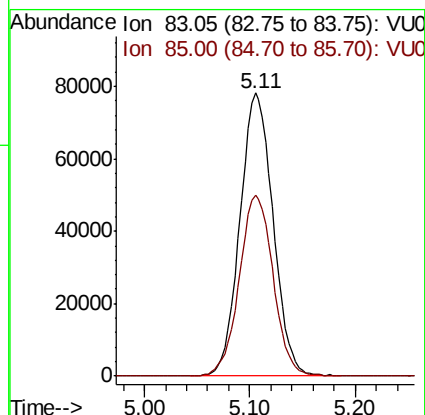
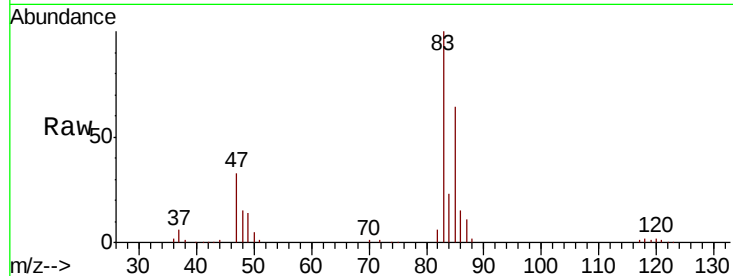




#25
Chloroform
Concen: 5.020 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040286.D
Acq: 24 Sep 2020 21:39

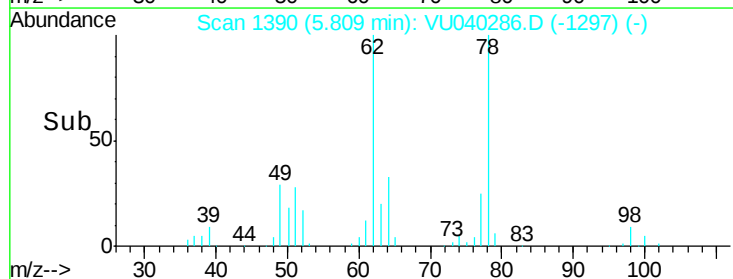
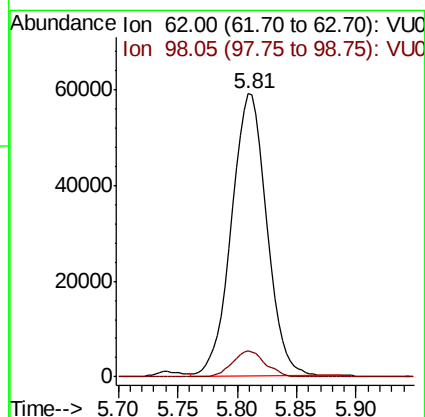
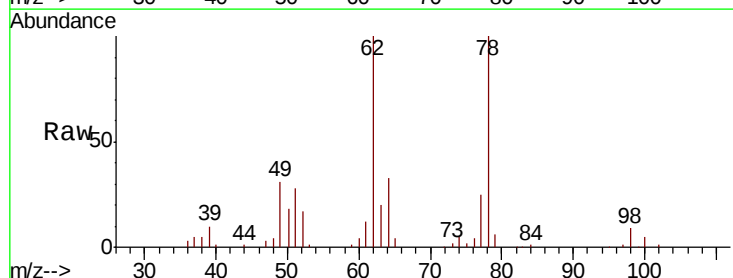
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

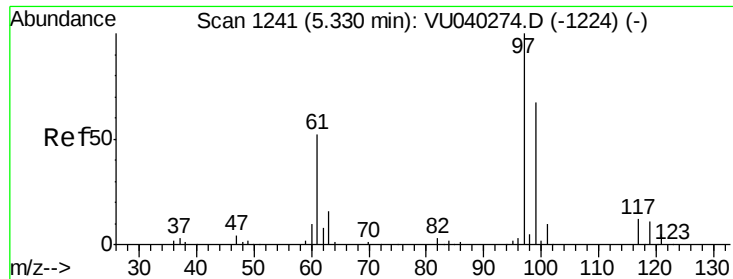
Tot Ion: 83 Resp: 170781
Ion Ratio Lower Upper
83 100
85 63.9 45.2 84.0



#27
1,2-Dichloroethane
Concen: 4.970 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040286.D
Acq: 24 Sep 2020 21:39

Tgt Ion: 62 Resp: 121564
Ion Ratio Lower Upper
62 100
98 9.1 6.5 9.7

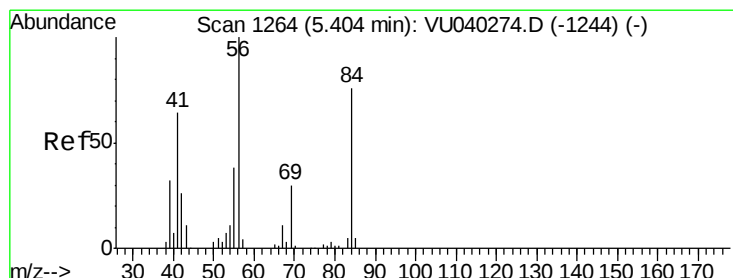
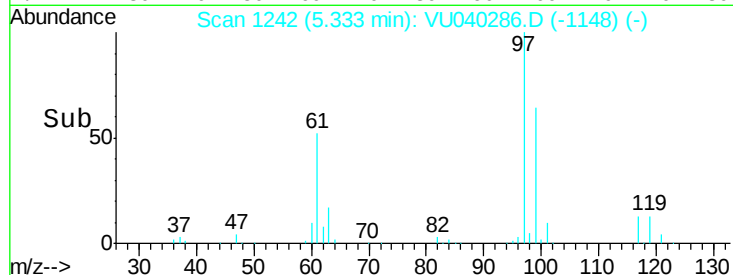
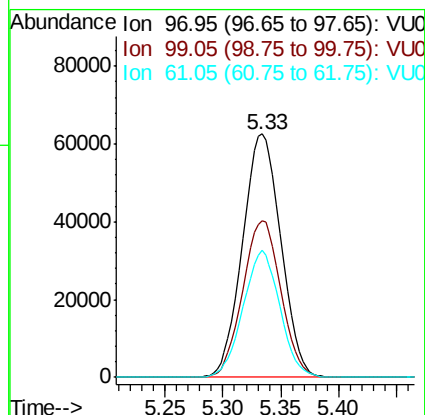
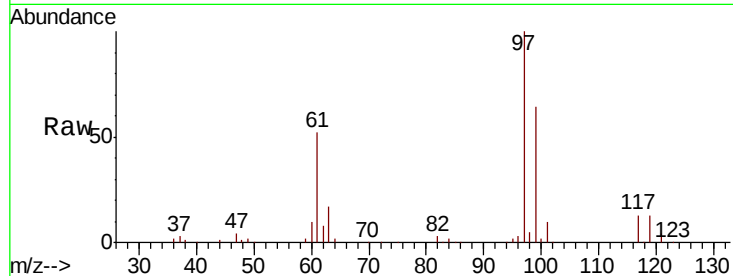




#29
 1,1,1-Trichloroethane
 Concen: 4.996 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

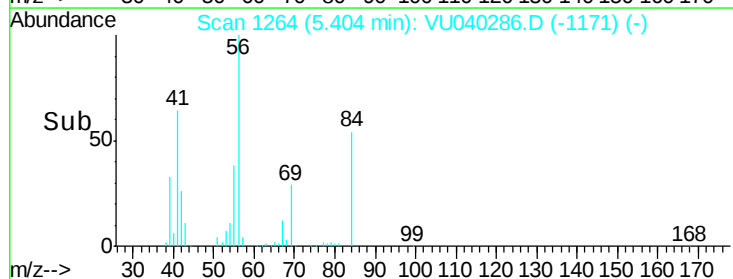
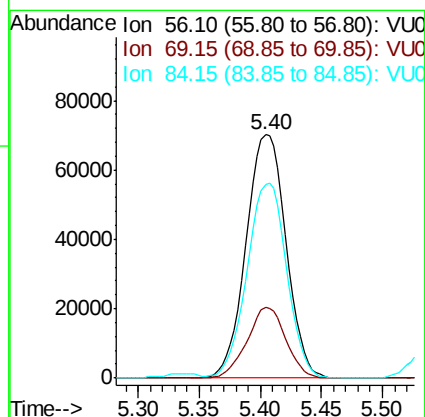
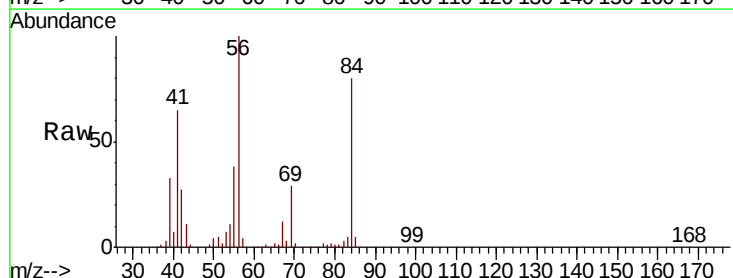
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

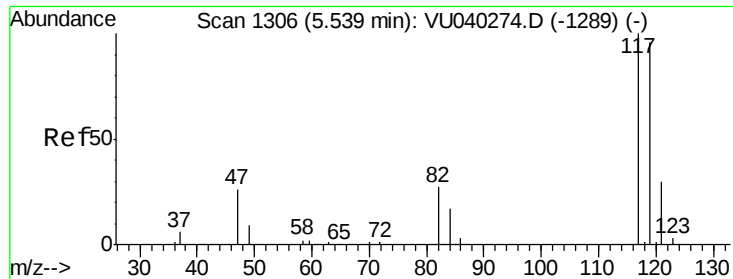
Tot Ion: 97 Resp: 144171
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.1 78.1
 61 49.9 40.2 60.4



#30
 Cyclohexane
 Concen: 5.039 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

Tgt Ion: 56 Resp: 158861
 Ion Ratio Lower Upper
 56 100
 69 28.2 23.0 34.6
 84 79.7 63.3 94.9





#31

Carbon tetrachloride

Concen: 5.012 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

Instrument :

MSVOA_U

ClientSampleId :

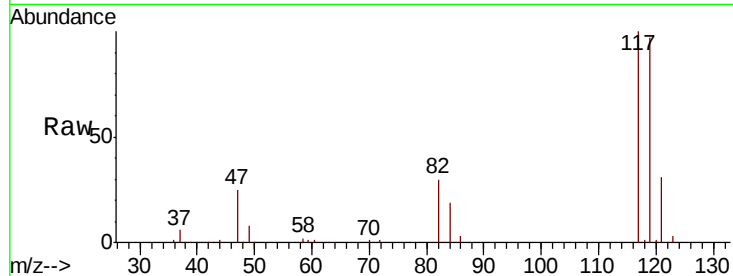
VSTD005108

Tot Ion:117 Resp: 123724

Ion Ratio Lower Upper

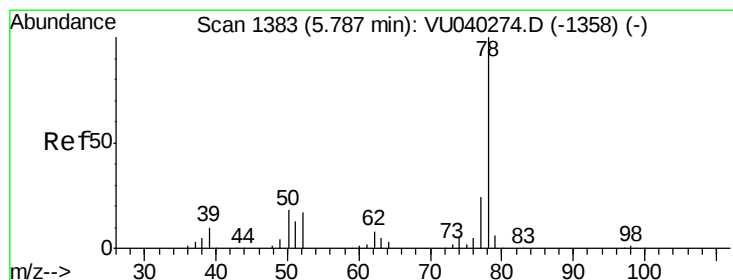
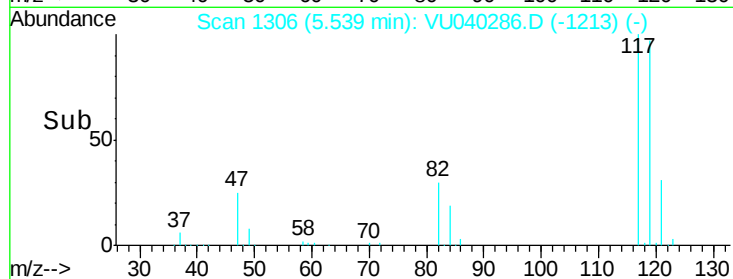
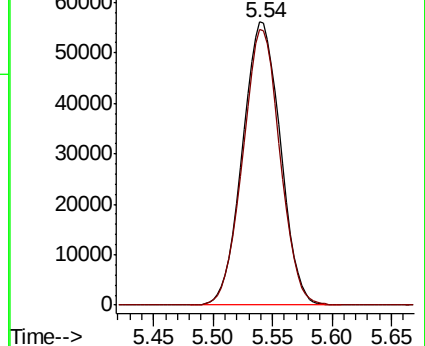
117 100

119 95.6 78.6 117.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.124 ug/L

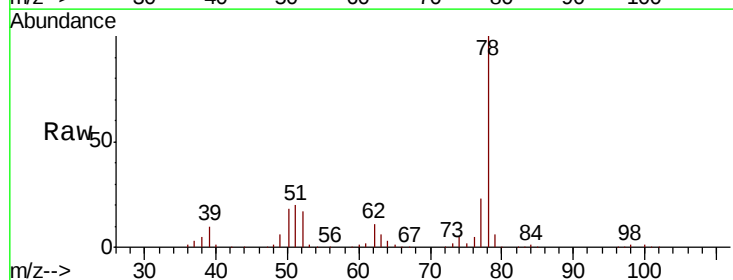
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

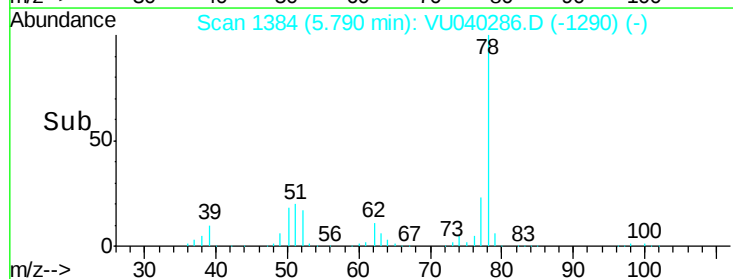
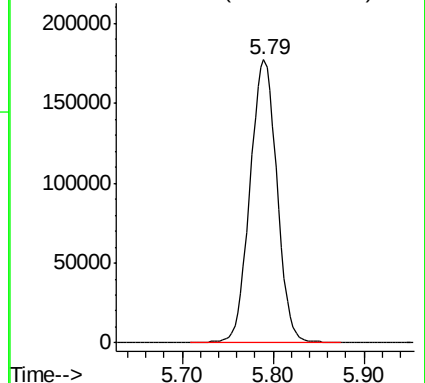
Lab File: VU040286.D

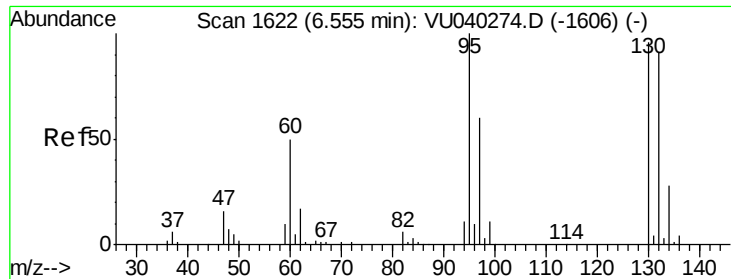
Acq: 24 Sep 2020 21:39

Tgt Ion: 78 Resp: 365646



Abundance Ion 78.10 (77.80 to 78.80): VU0

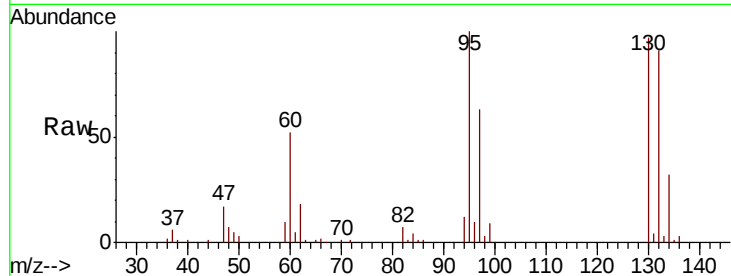




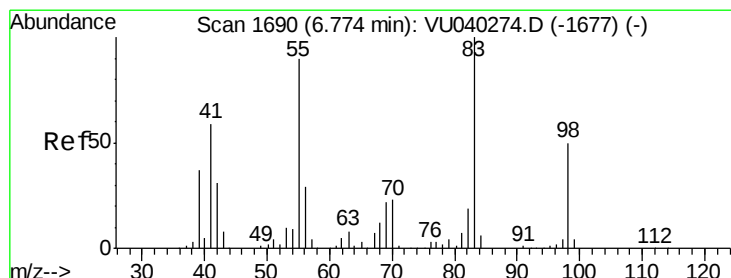
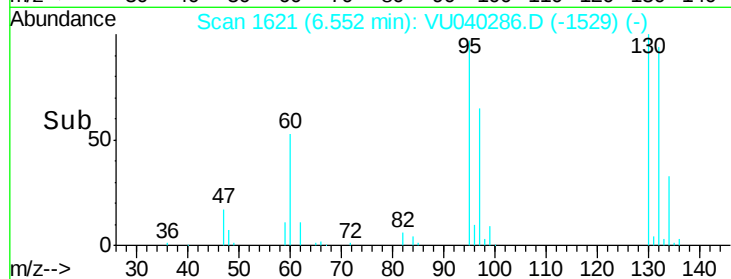
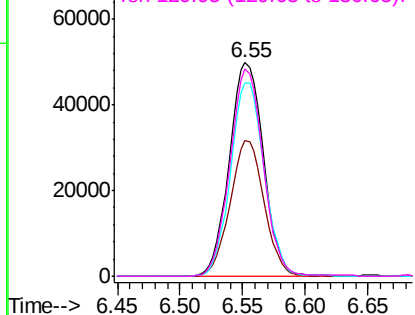
#34
 Trichloroethene
 Concen: 5.114 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

Tot Ion: 95 Resp: 94739
 Ion Ratio Lower Upper
 95 100
 97 63.2 42.1 78.3
 132 90.7 63.8 118.4
 130 96.8 67.3 125.1

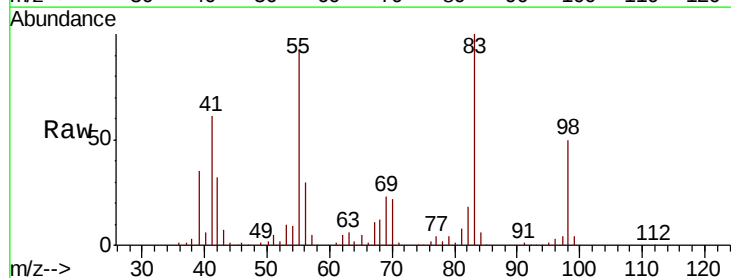


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

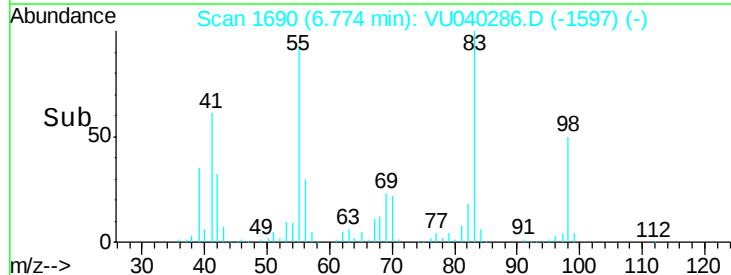
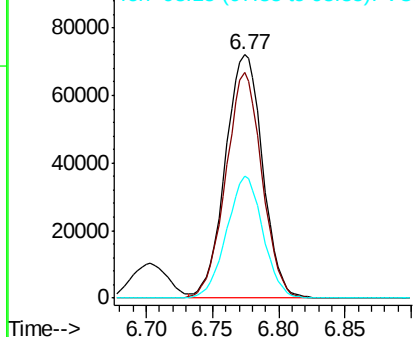


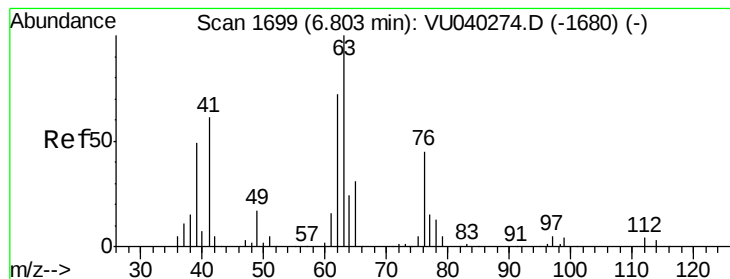
#35
 Methylcyclohexane
 Concen: 4.858 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

Tgt Ion: 83 Resp: 140869
 Ion Ratio Lower Upper
 83 100
 55 89.7 71.7 107.5
 98 48.5 38.6 58.0



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: 4.995 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

Instrument :

MSVOA_U

ClientSampleId :

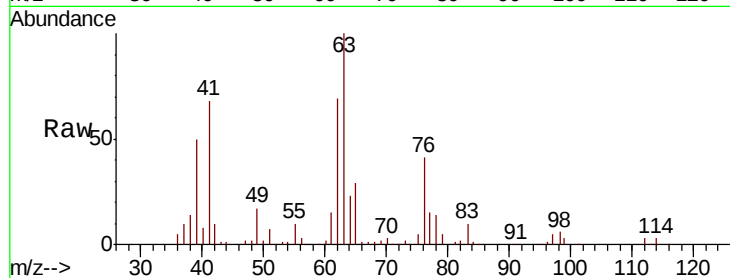
VSTD005108

Tot Ion: 63 Resp: 98970

Ion Ratio Lower Upper

63 100

112 3.9 3.5 5.3

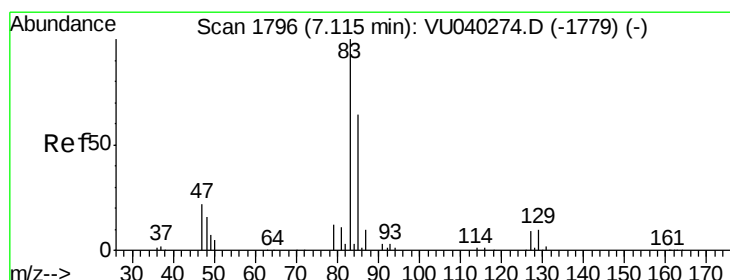
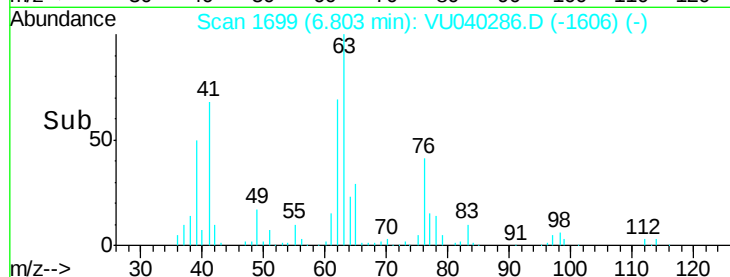


Abundance Ion 63.10 (62.80 to 63.80): VU040286.D (-1606) (-)

Ion 112.10 (111.80 to 112.80): VU040286.D (-1606) (-)

6.80

Time-->



#38

Bromodichloromethane

Concen: 5.093 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

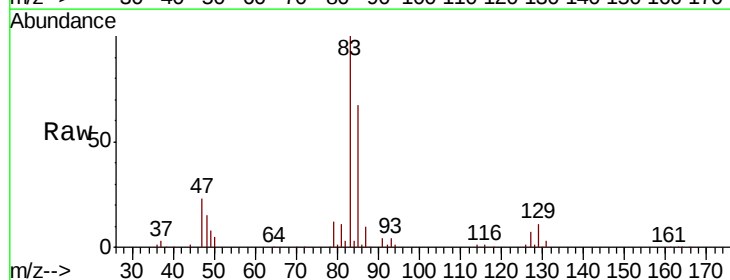
Tgt Ion: 83 Resp: 123385

Ion Ratio Lower Upper

83 100

85 66.7 44.6 82.8

127 7.1 6.8 10.2



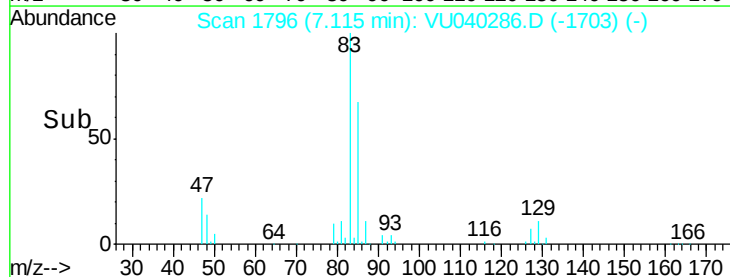
Abundance Ion 82.95 (82.65 to 83.65): VU040286.D (-1703) (-)

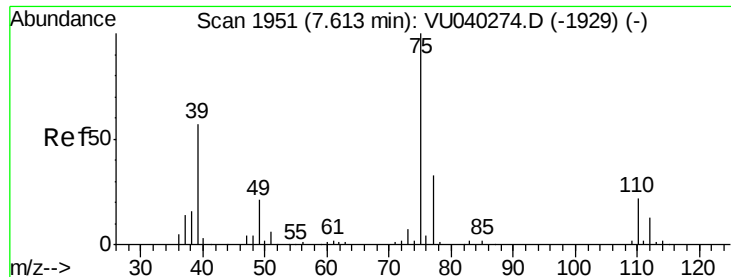
Ion 85.00 (84.70 to 85.70): VU040286.D (-1703) (-)

Ion 126.90 (126.60 to 127.60): VU040286.D (-1703) (-)

7.11

Time-->

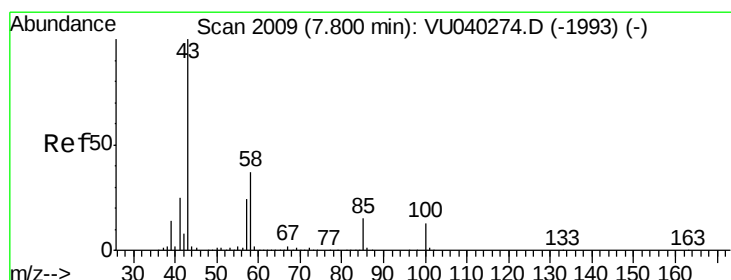
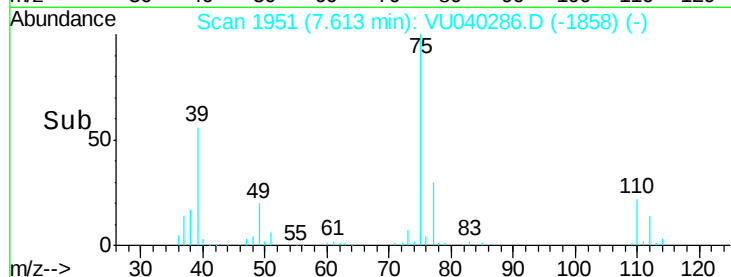
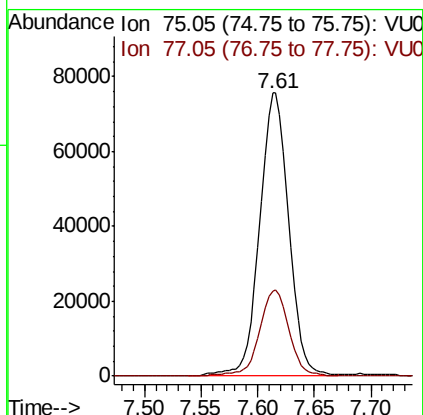
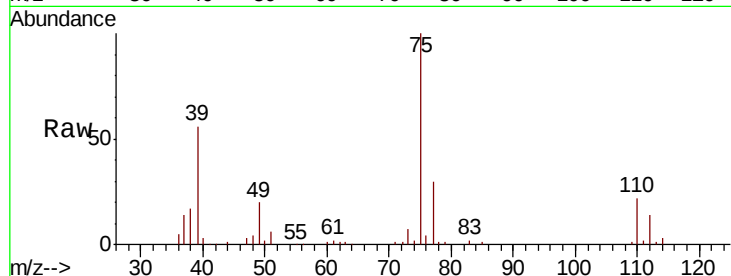




#39
 cis-1,3-Dichloropropene
 Concen: 5.025 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

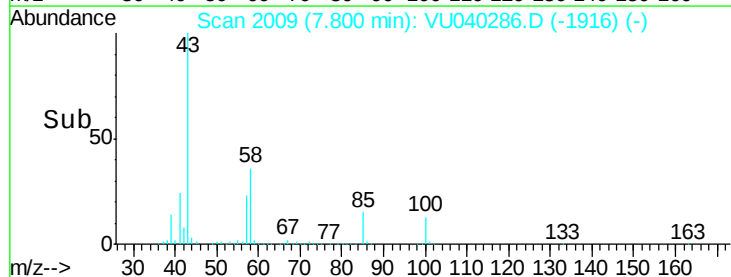
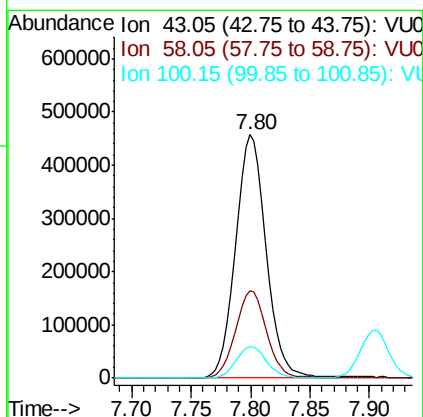
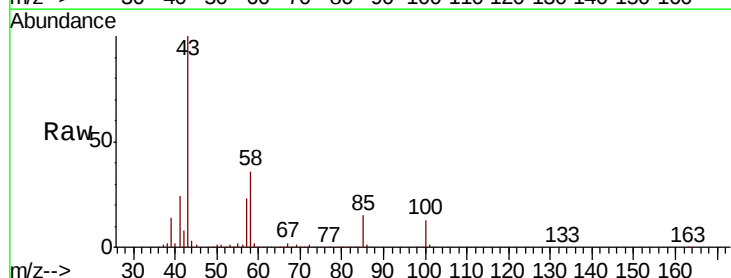
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

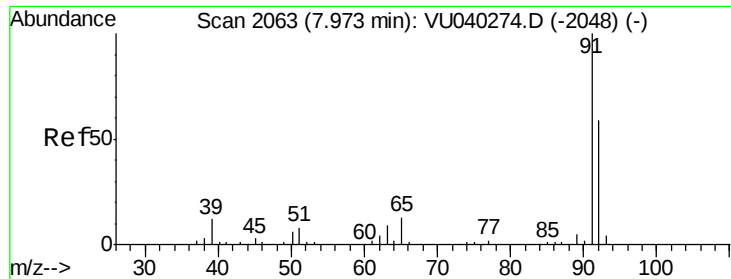
Tot Ion: 75 Resp: 135548
 Ion Ratio Lower Upper
 75 100
 77 30.1 23.4 43.4



#40
 4-Methyl-2-pentanone
 Concen: 53.755 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

Tgt Ion: 43 Resp: 815384
 Ion Ratio Lower Upper
 43 100
 58 36.5 28.8 43.2
 100 13.0 10.3 15.5





#42

Toluene

Concen: 5.277 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

Instrument :

MSVOA_U

ClientSampleId :

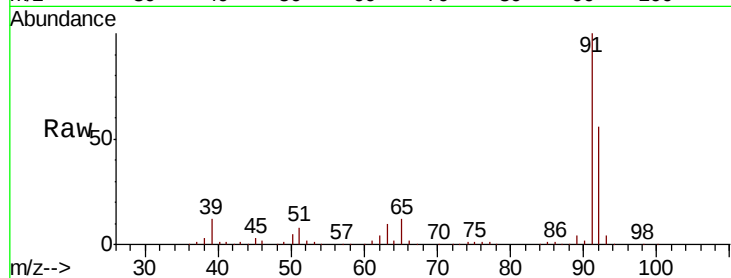
VSTD005108

Tot Ion: 91 Resp: 380754

Ion Ratio Lower Upper

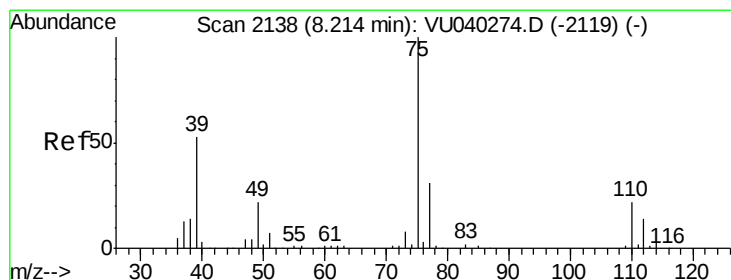
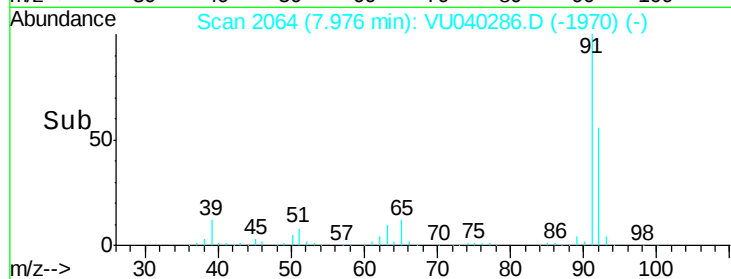
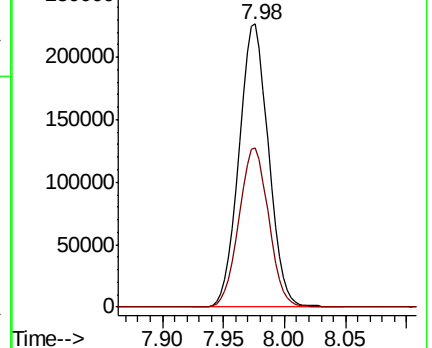
91 100

92 56.5 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.020 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040286.D

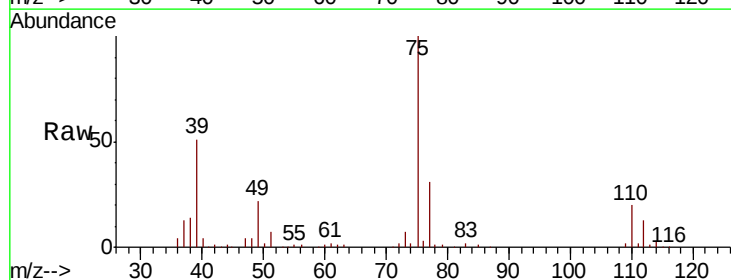
Acq: 24 Sep 2020 21:39

Tgt Ion: 75 Resp: 125503

Ion Ratio Lower Upper

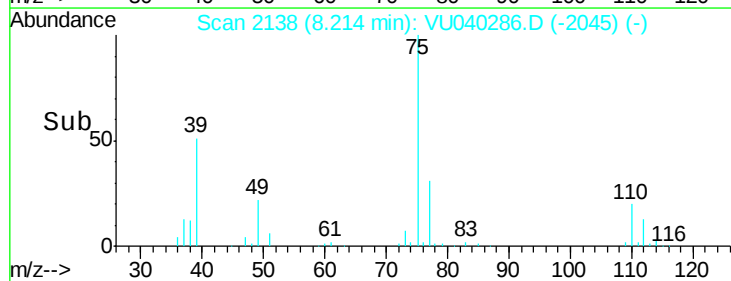
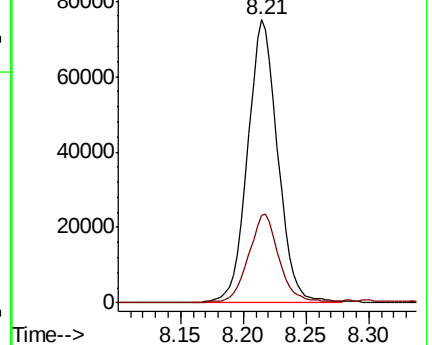
75 100

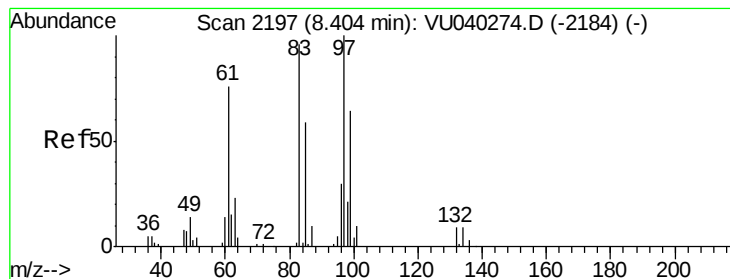
77 31.1 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 5.201 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005108

Tot Ion: 97 Resp: 70087

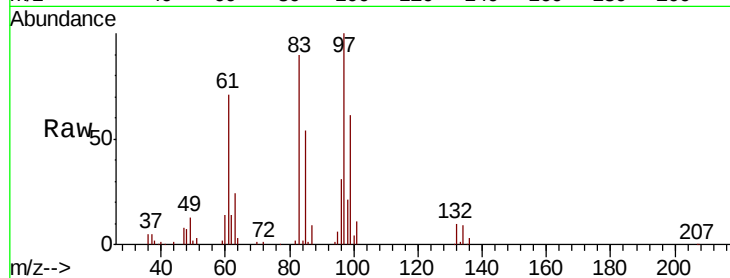
Ion Ratio Lower Upper

97 100

99 60.6 44.9 83.3

83 89.8 67.3 124.9

85 54.2 41.5 77.1

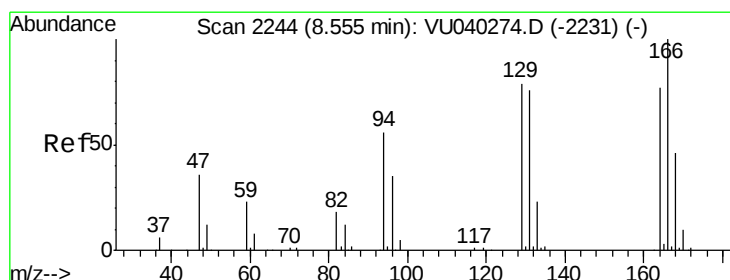
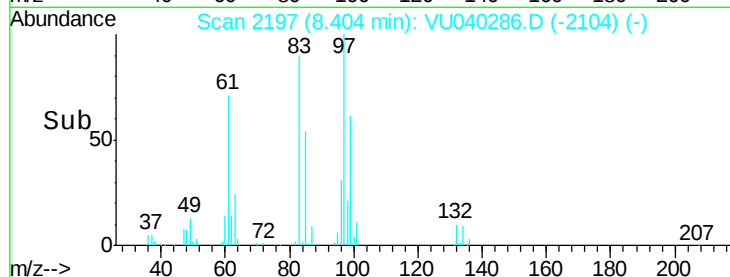
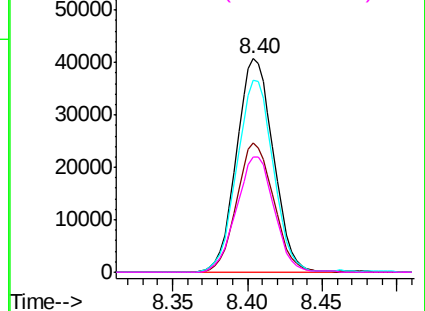


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.947 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

Tgt Ion: 164 Resp: 66131

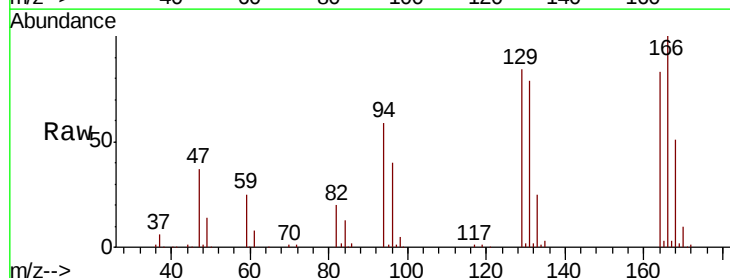
Ion Ratio Lower Upper

164 100

129 100.3 71.5 132.7

131 94.1 69.1 128.3

166 119.8 90.9 168.9

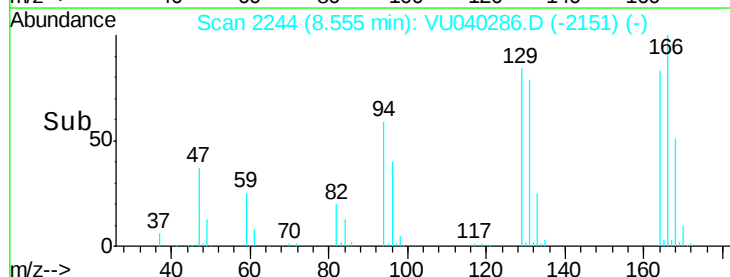
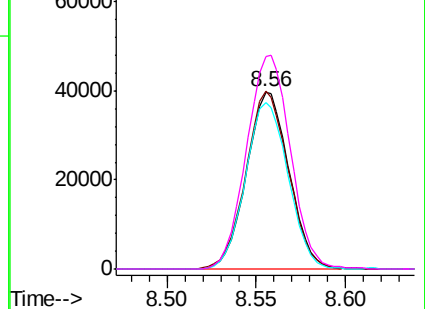


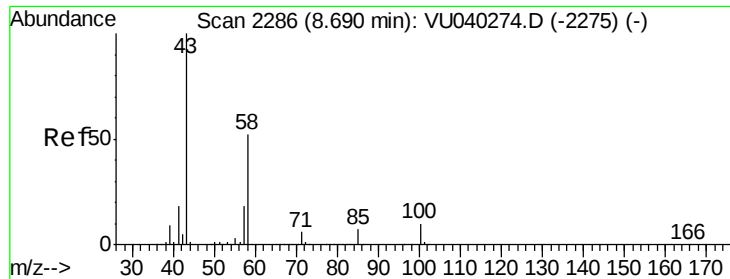
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

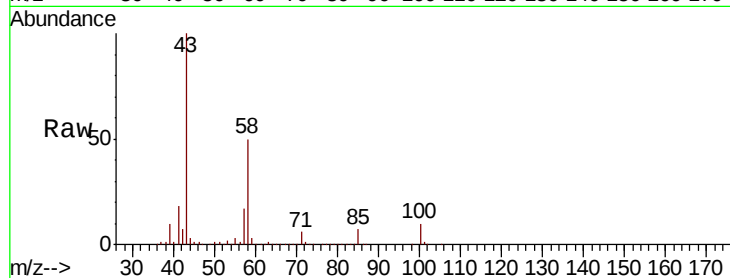




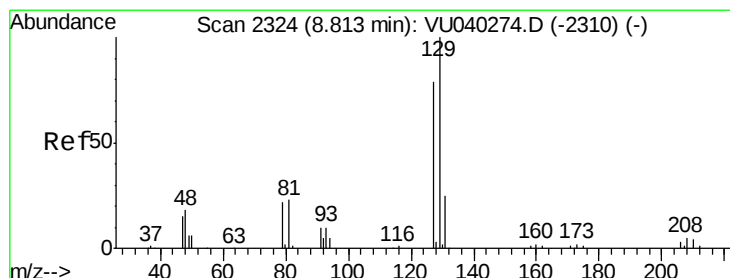
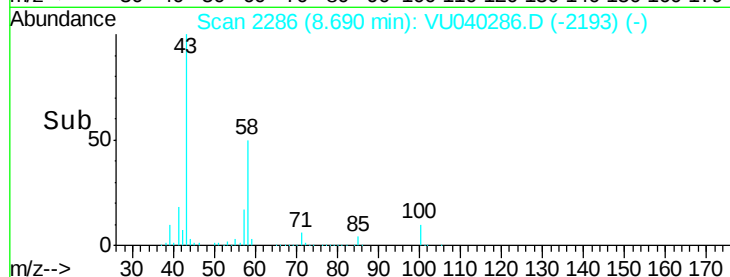
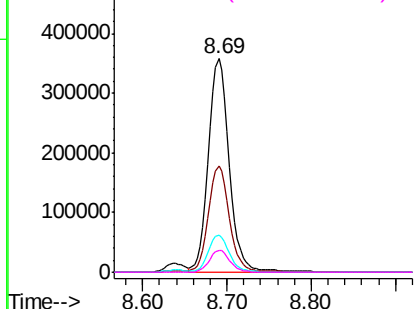
#48
2-Hexanone
Concen: 55.409 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040286.D
Acq: 24 Sep 2020 21:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

Tot Ion: 43 Resp: 614277
Ion Ratio Lower Upper
43 100
58 49.2 39.9 59.9
57 17.2 13.8 20.8
100 10.0 7.9 11.9

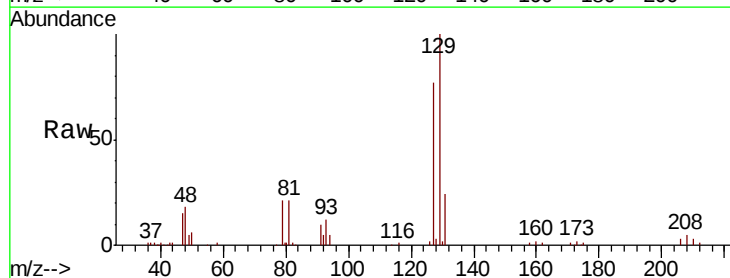


Abundance Ion 43.05 (42.75 to 43.75): VU040286.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040286.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040286.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040286.D (-2193) (-)

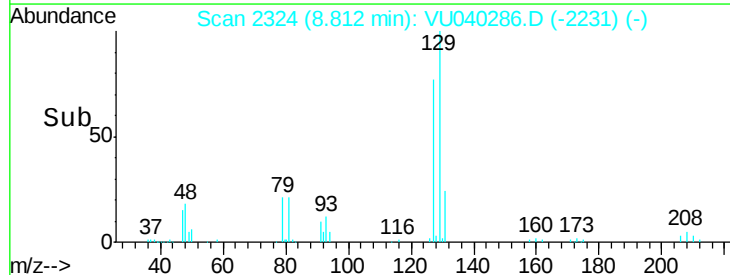
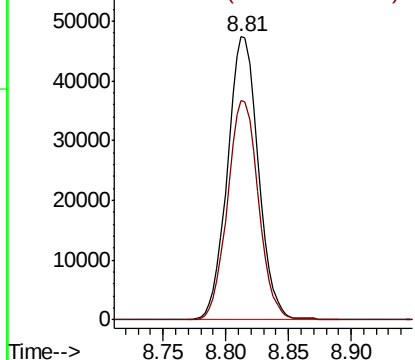


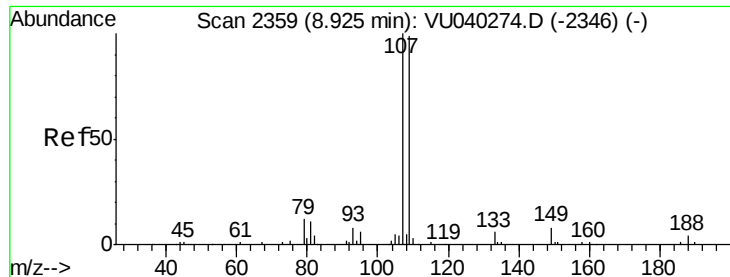
#49
Dibromochloromethane
Concen: 5.201 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040286.D
Acq: 24 Sep 2020 21:39

Tgt Ion: 129 Resp: 81010
Ion Ratio Lower Upper
129 100
127 77.4 55.0 102.2



Abundance Ion 128.95 (128.65 to 129.65): VU040286.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU040286.D (-2231) (-)

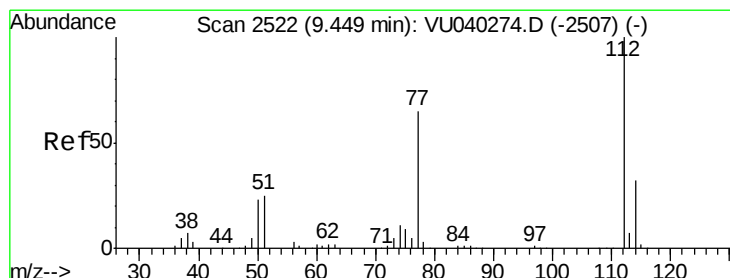
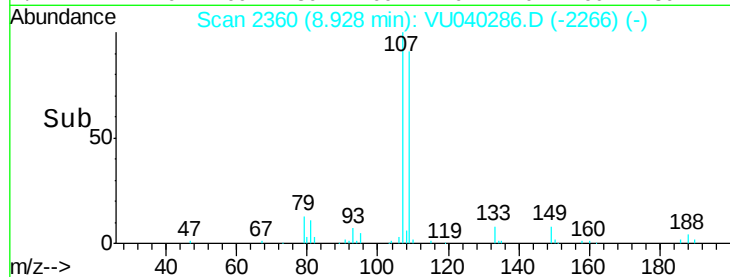
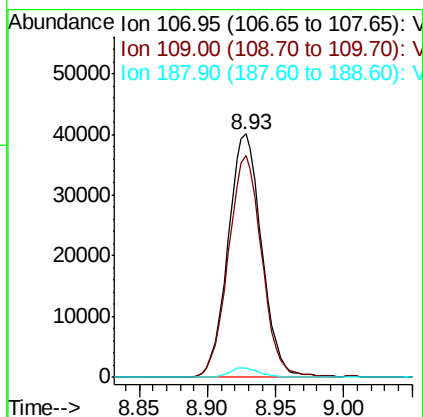
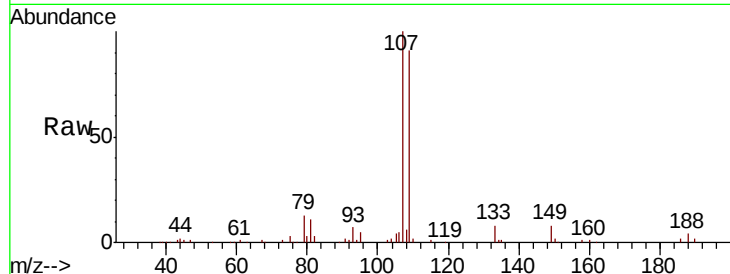




#50
 1,2-Dibromoethane
 Concen: 5.235 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

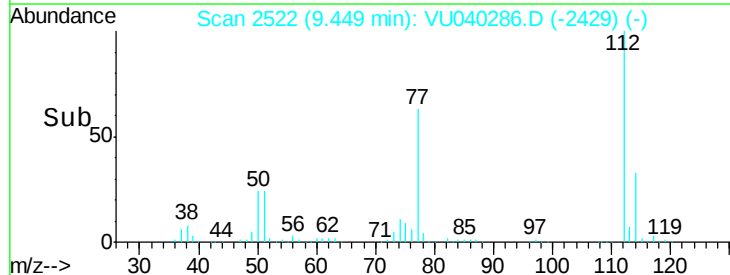
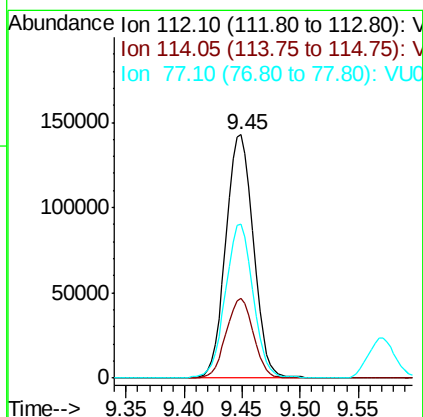
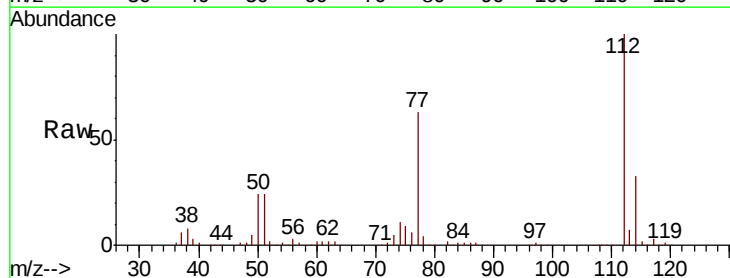
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

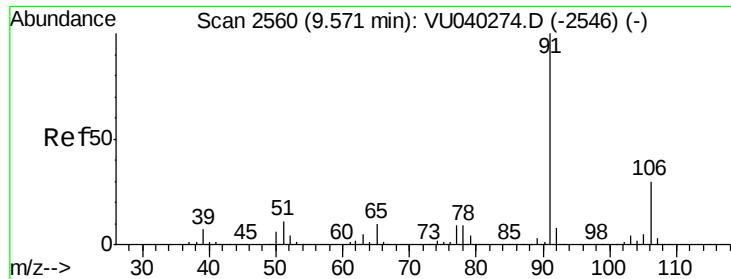
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.0	69.4	129.0
188	3.7	2.9	4.3



#51
 Chlorobenzene
 Concen: 5.068 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.7	42.3
77	63.3	52.0	78.0





#52

Ethylbenzene

Concen: 5.167 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

Instrument :

MSVOA_U

ClientSampleId :

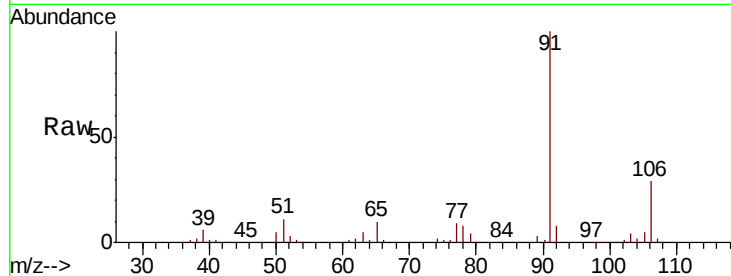
VSTD005108

Tot Ion: 91 Resp: 411843

Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU040286.D (-2467) (-)

Ion 106.15 (105.85 to 106.85): VU040286.D (-2467) (-)

9.57

250000

200000

150000

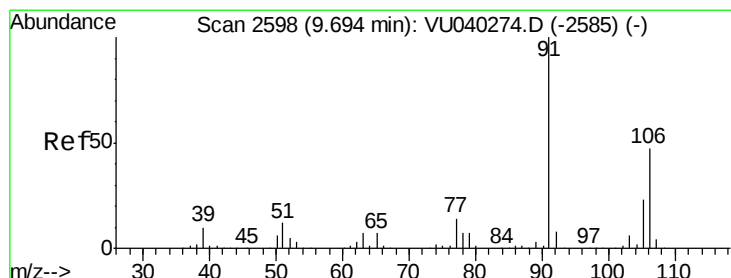
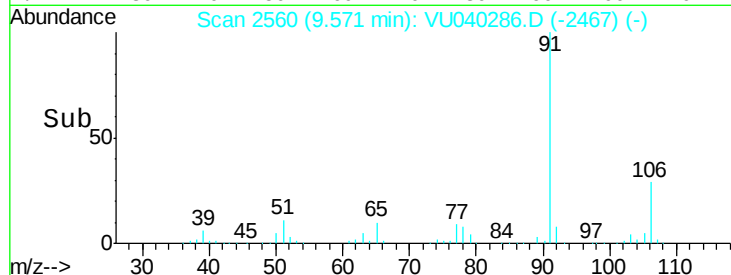
100000

50000

0

9.50 9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 5.412 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040286.D

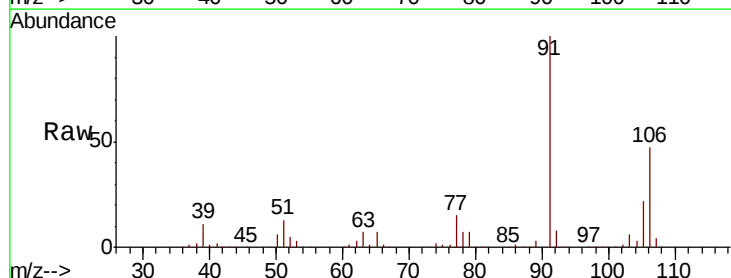
Acq: 24 Sep 2020 21:39

Tgt Ion: 106 Resp: 155557

Ion Ratio Lower Upper

106 100

91 210.9 150.4 279.2



Abundance Ion 106.15 (105.85 to 106.85): VU040286.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VU040286.D (-2505) (-)

9.69

200000

150000

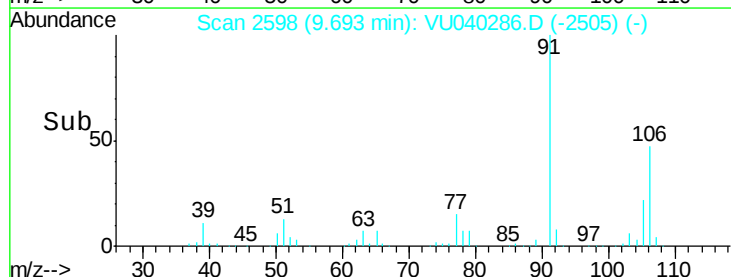
100000

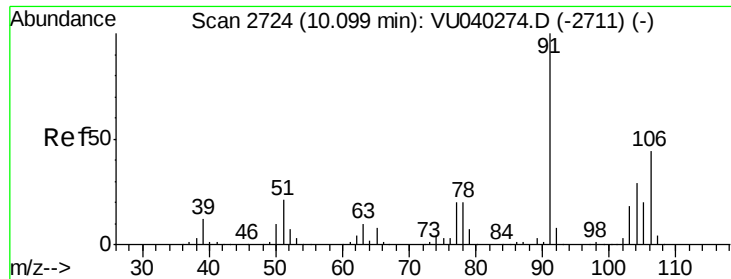
50000

0

9.60 9.65 9.70 9.75 9.80

Time-->

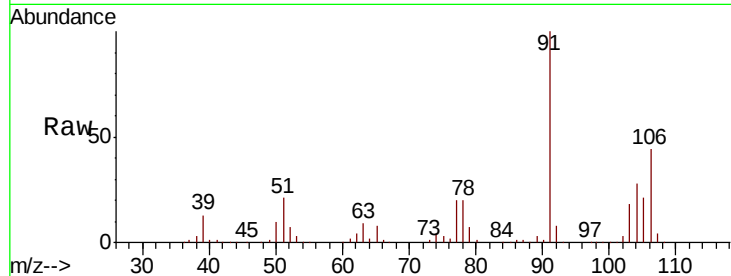




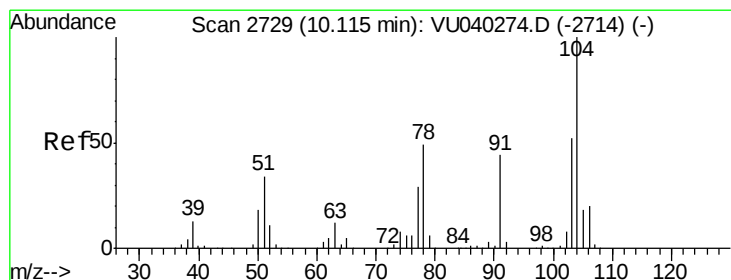
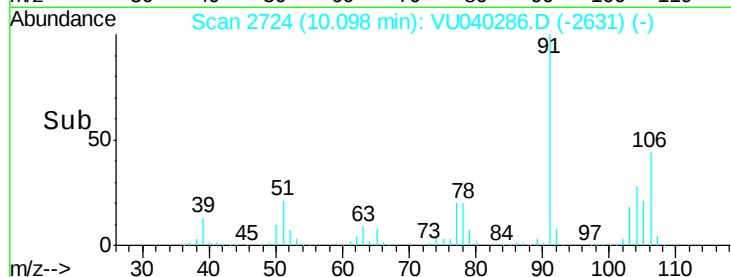
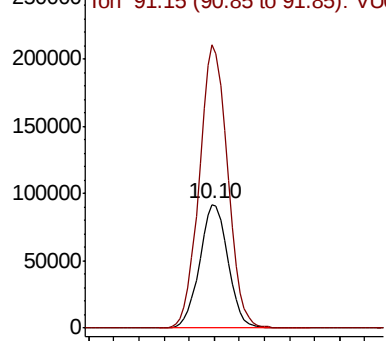
#54
o-Xylene
Concen: 5.213 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040286.D
Acq: 24 Sep 2020 21:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

Tot Ion:106 Resp: 144365
Ion Ratio Lower Upper
106 100
91 229.1 160.5 298.1

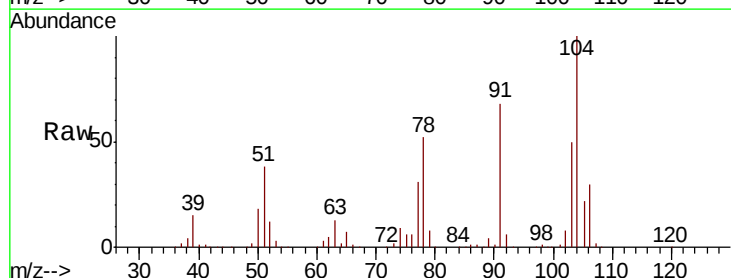


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

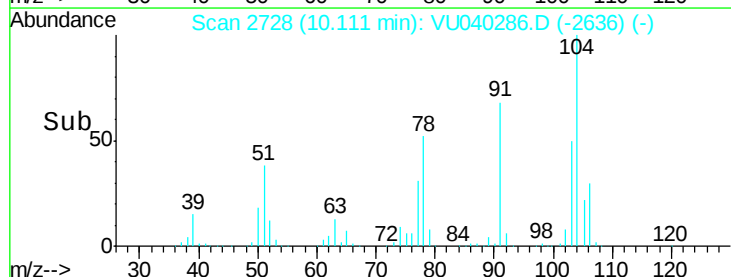
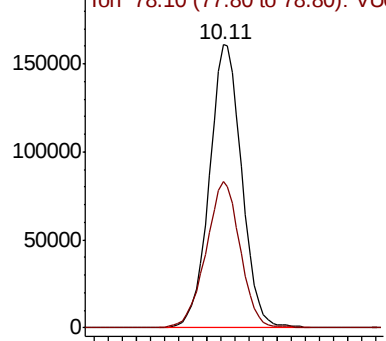


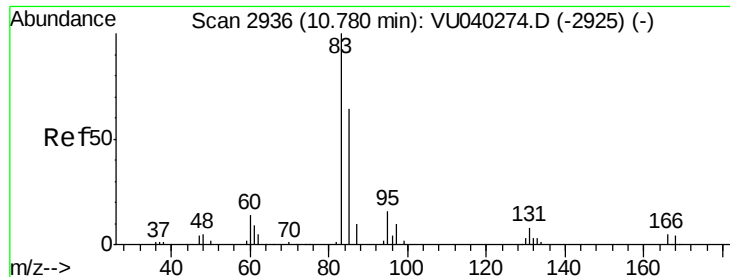
#55
Styrene
Concen: 5.417 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU040286.D
Acq: 24 Sep 2020 21:39

Tgt Ion:104 Resp: 258558
Ion Ratio Lower Upper
104 100
78 51.7 34.6 64.3



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





#57

1,1,2,2-Tetrachloroethane

Concen: 5.114 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005108

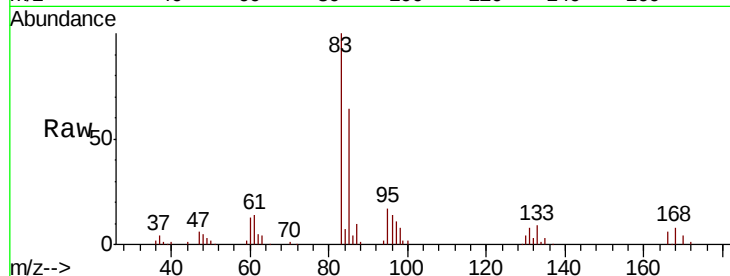
Tot Ion: 83 Resp: 91340

Ion	Ratio	Lower	Upper
83	100		
85	64.1	45.5	84.5
131	8.5	7.4	11.2

83 100

85 64.1 45.5 84.5

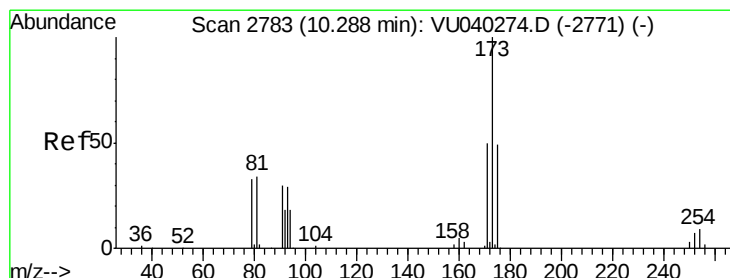
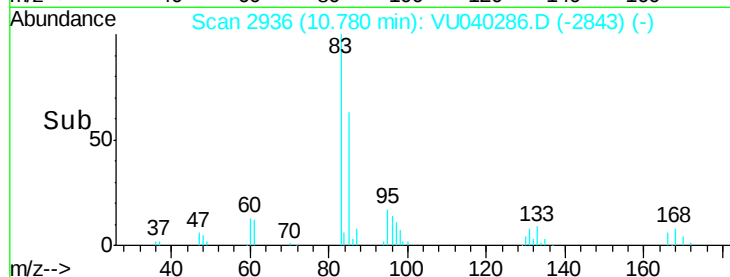
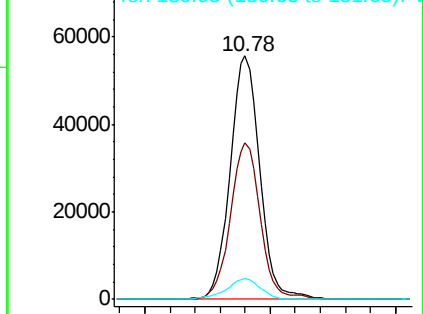
131 8.5 7.4 11.2



Abundance Ion 82.95 (82.65 to 83.65): VU040286.D (-2843) (-)

Ion 85.00 (84.70 to 85.70): VU040286.D (-2843) (-)

Ion 130.95 (130.65 to 131.65): VU040286.D (-2843) (-)



#59

Bromoform

Concen: 5.132 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

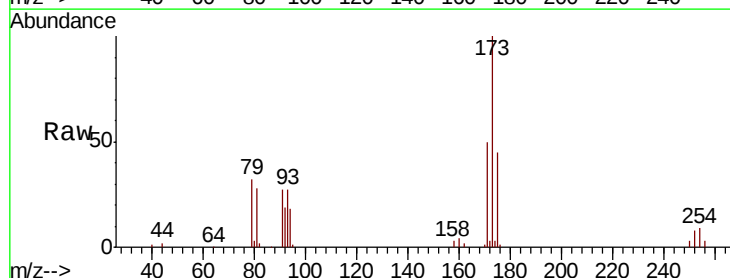
Tgt Ion: 173 Resp: 45523

Ion	Ratio	Lower	Upper
173	100		
175	45.8	39.0	58.6
254	9.0	7.1	10.7

173 100

175 45.8 39.0 58.6

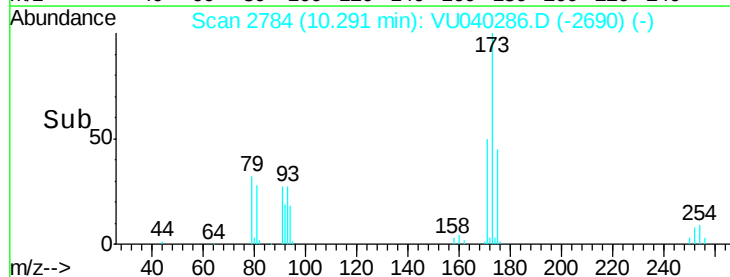
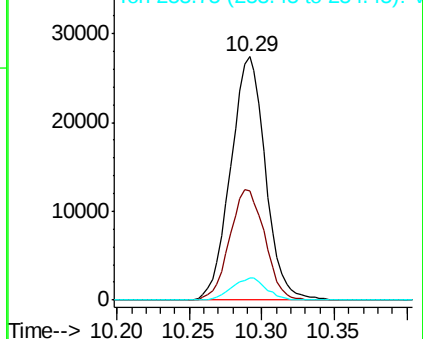
254 9.0 7.1 10.7

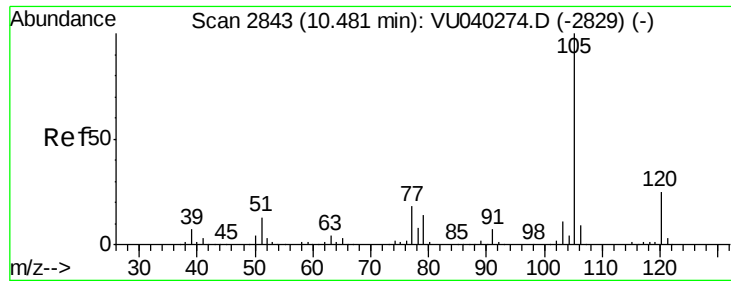


Abundance Ion 172.90 (172.60 to 173.60): VU040286.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VU040286.D (-2690) (-)

Ion 253.75 (253.45 to 254.45): VU040286.D (-2690) (-)





#60

Isopropylbenzene

Concen: 5.178 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005108

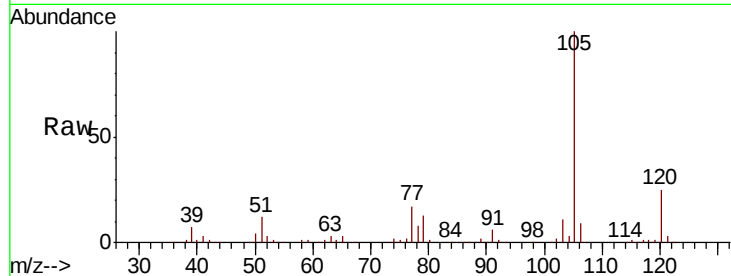
Tot Ion: 105 Resp: 395030

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

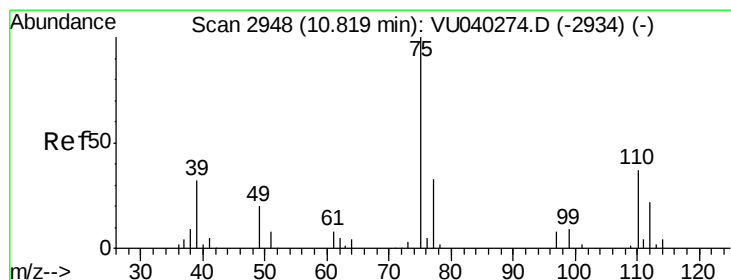
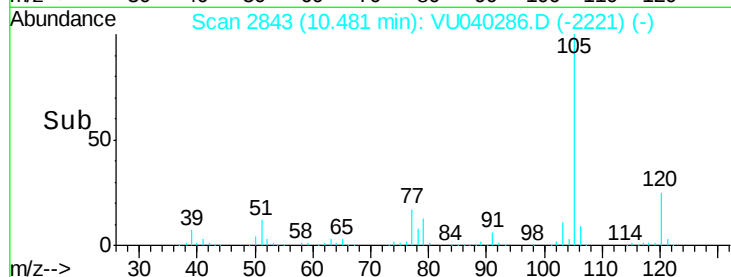
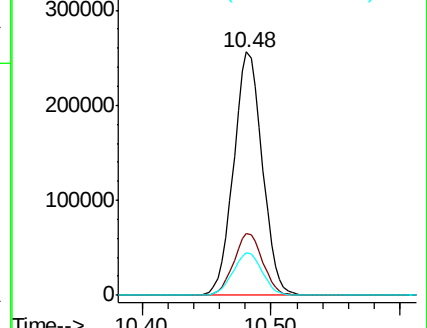
77 17.8 14.2 21.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 5.004 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

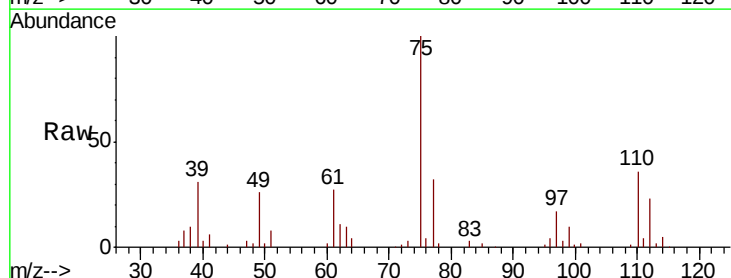
Tgt Ion: 75 Resp: 70703

Ion Ratio Lower Upper

75 100

110 35.7 29.3 43.9

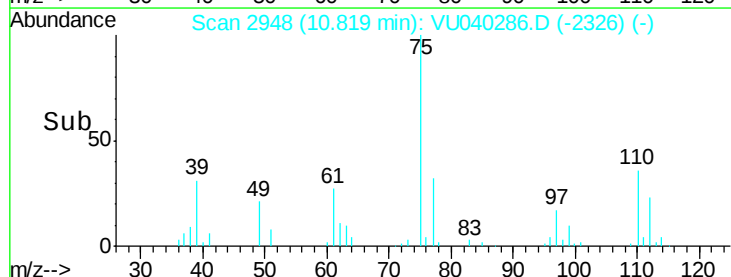
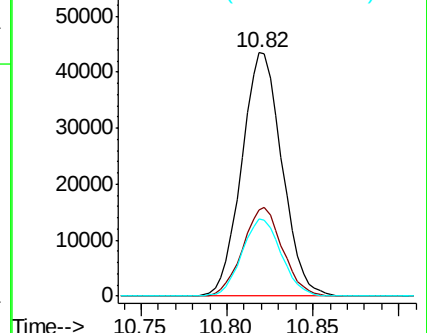
77 31.1 25.9 38.9

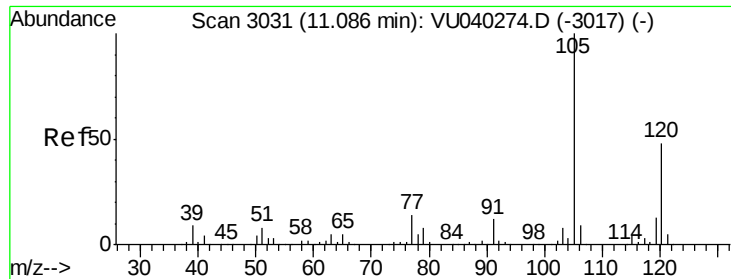


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): V





#62

1,3,5-Trimethylbenzene

Concen: 5.163 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

Instrument :

MSVOA_U

ClientSampleId :

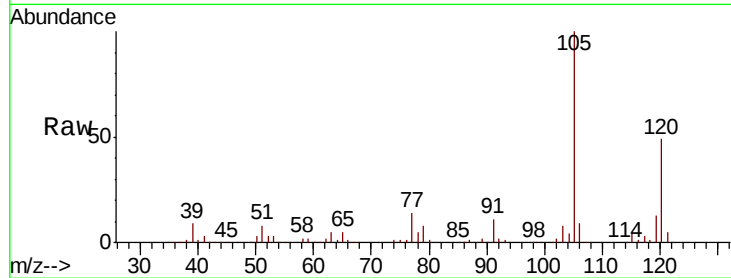
VSTD005108

Tot Ion:105 Resp: 318963

Ion Ratio Lower Upper

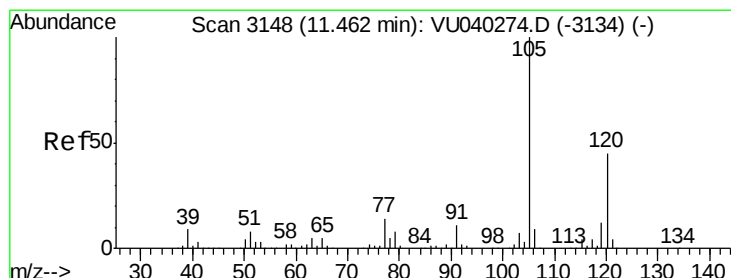
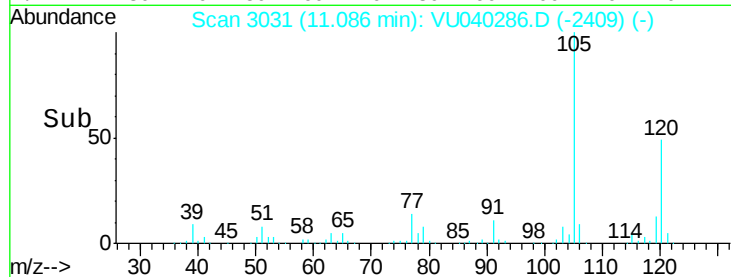
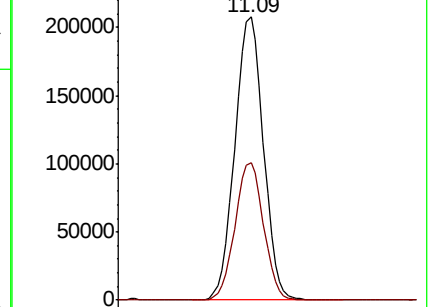
105 100

120 48.4 37.8 56.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 5.307 ug/L

RT: 11.46 min Scan# 3148

Delta R.T. -0.00 min

Lab File: VU040286.D

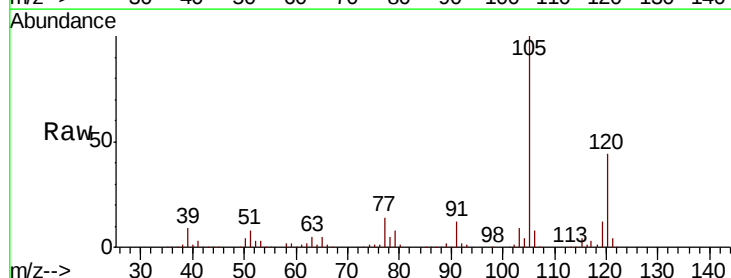
Acq: 24 Sep 2020 21:39

Tgt Ion:105 Resp: 331684

Ion Ratio Lower Upper

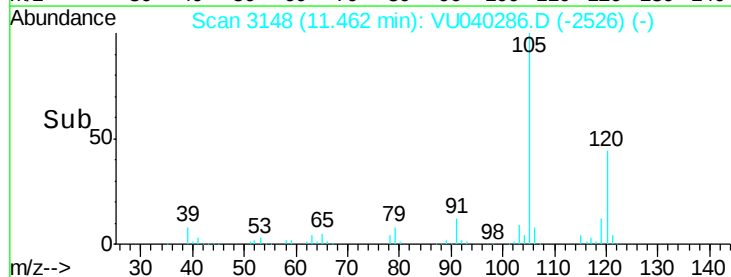
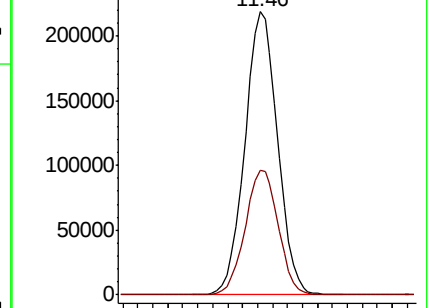
105 100

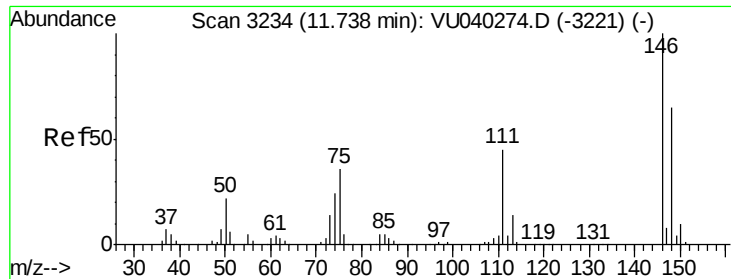
120 44.6 36.0 54.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

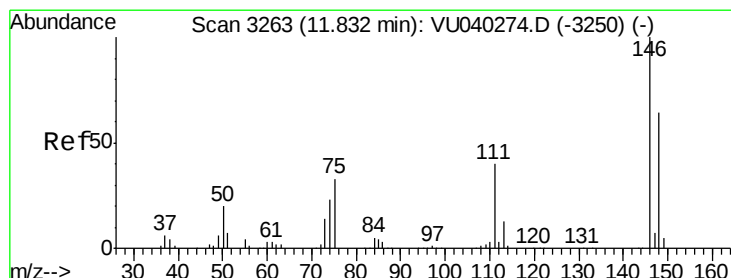
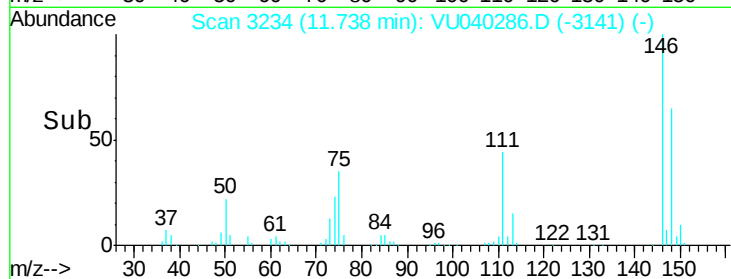
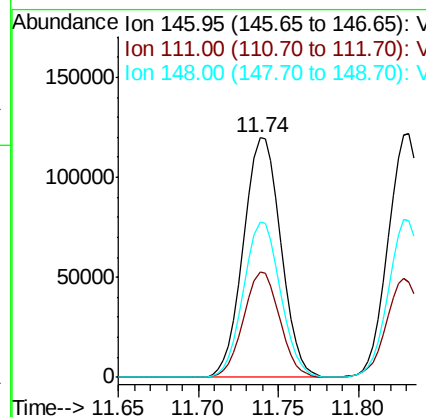
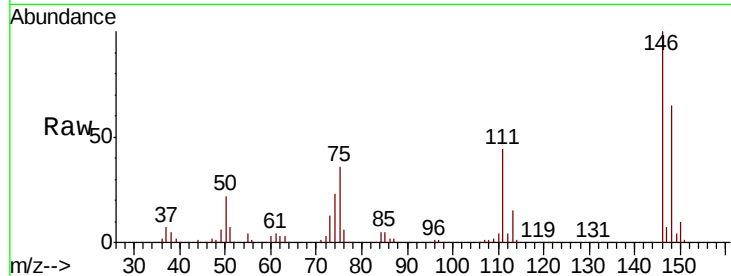




#64
 1,3-Dichlorobenzene
 Concen: 5.064 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

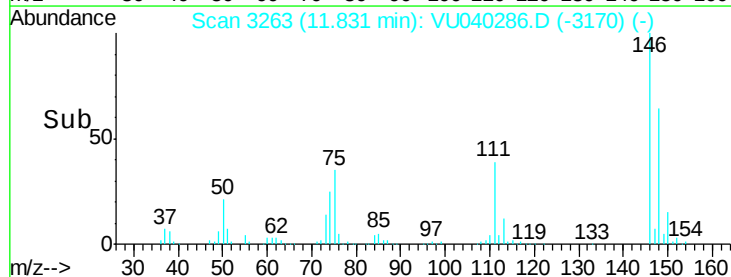
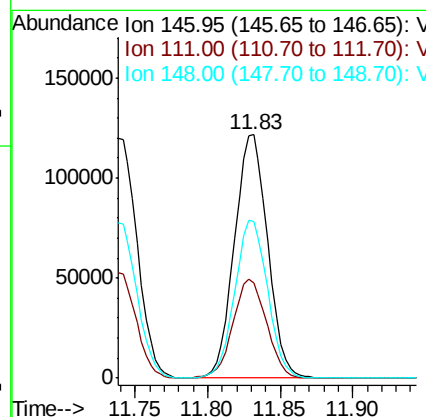
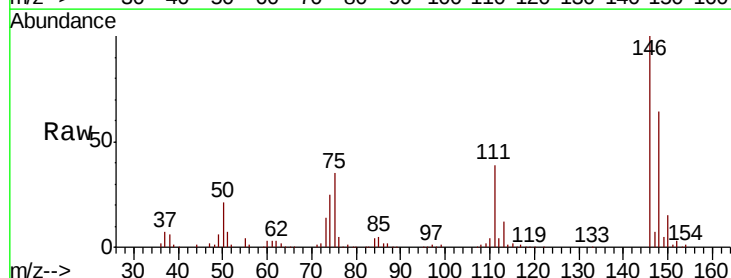
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

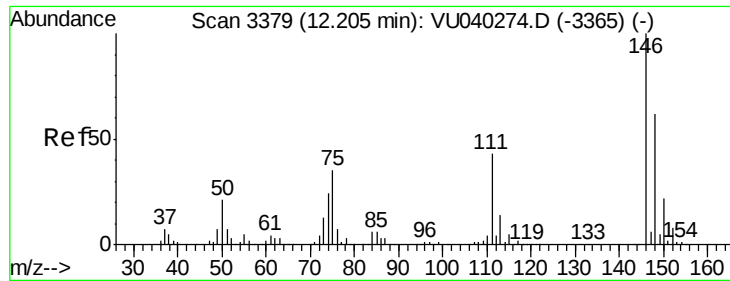
Tot Ion:146 Resp: 191133
 Ion Ratio Lower Upper
 146 100
 111 44.3 31.6 58.8
 148 65.1 45.1 83.9



#65
 1,4-Dichlorobenzene
 Concen: 4.958 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

Tgt Ion:146 Resp: 193116
 Ion Ratio Lower Upper
 146 100
 111 39.3 28.2 52.4
 148 64.2 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 5.073 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005108

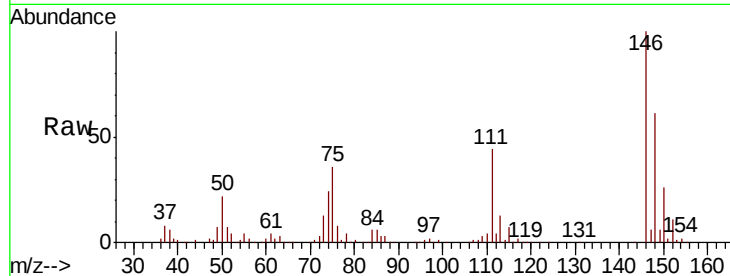
Tot Ion:146 Resp: 181863

Ion Ratio Lower Upper

146 100

111 44.4 34.2 51.4

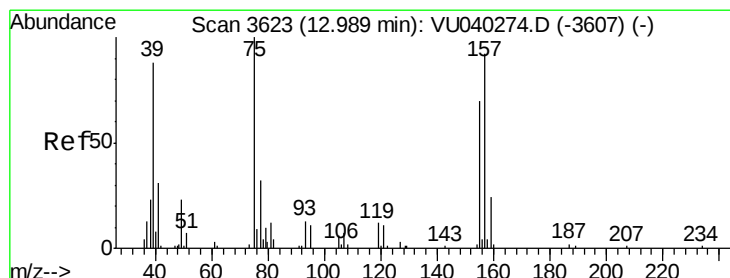
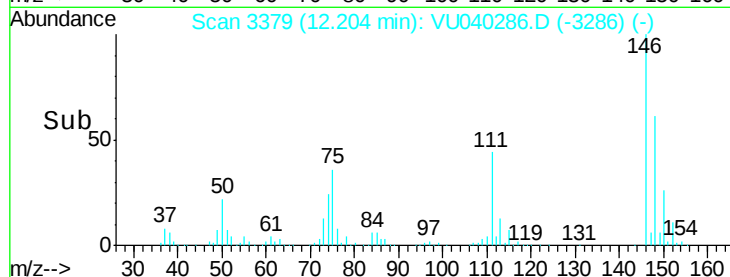
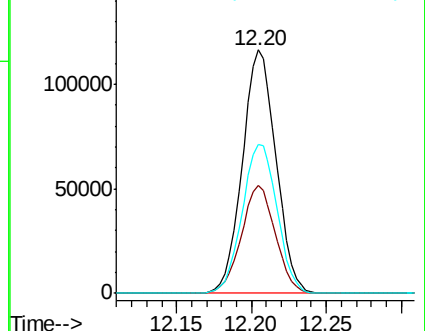
148 61.0 49.4 74.2



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



#68

1,2-Dibromo-3-chloropropane

Concen: 4.813 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU040286.D

Acq: 24 Sep 2020 21:39

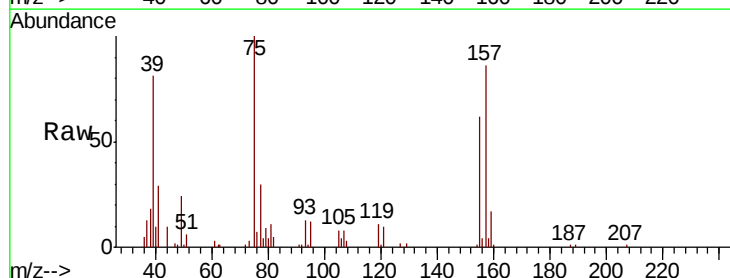
Tgt Ion: 75 Resp: 15955

Ion Ratio Lower Upper

75 100

155 62.2 56.3 84.5

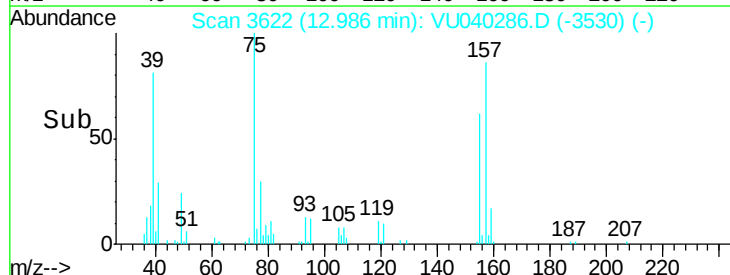
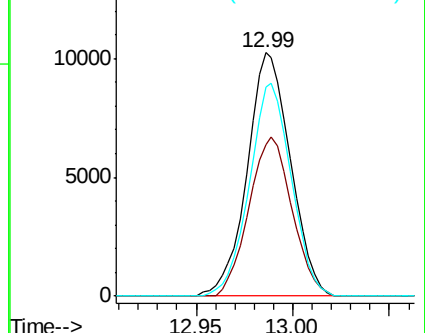
157 85.9 73.5 110.3

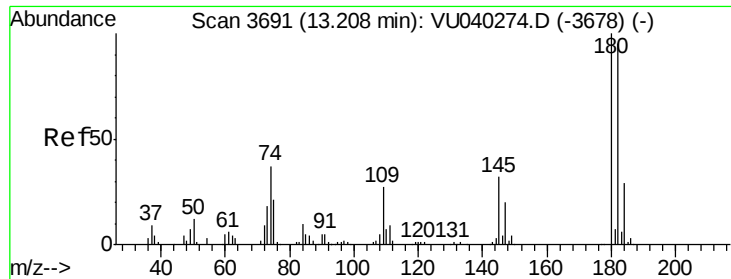


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

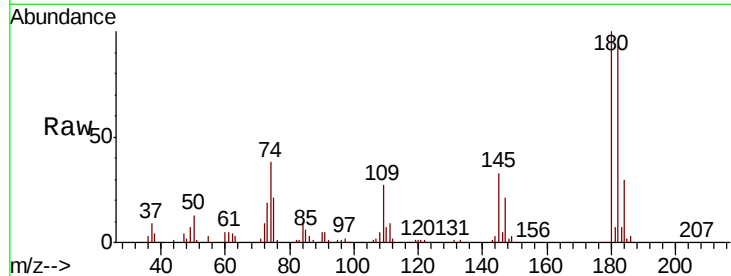




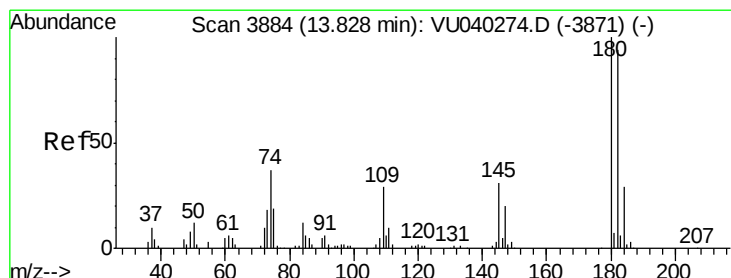
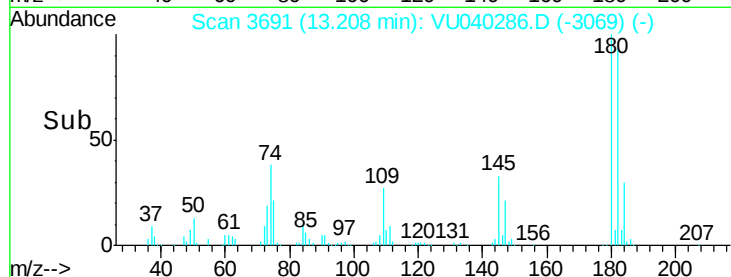
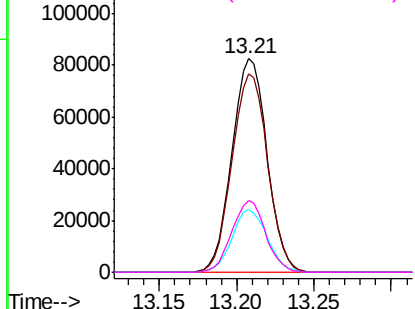
#69
 1,3,5-Trichlorobenzene
 Concen: 4.874 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

Tot Ion:180	Resp:	129730
Ion	Ratio	Lower Upper
180	100	
182	94.1	75.8 113.6
184	29.3	23.7 35.5
145	32.1	25.4 38.0

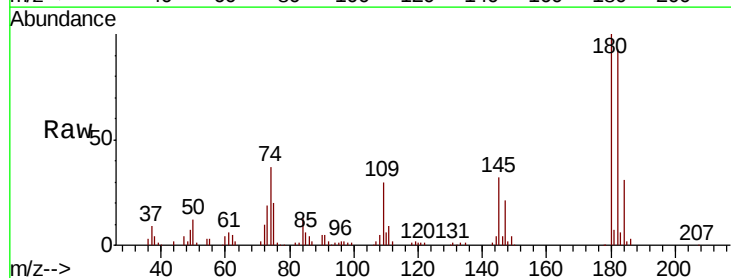


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

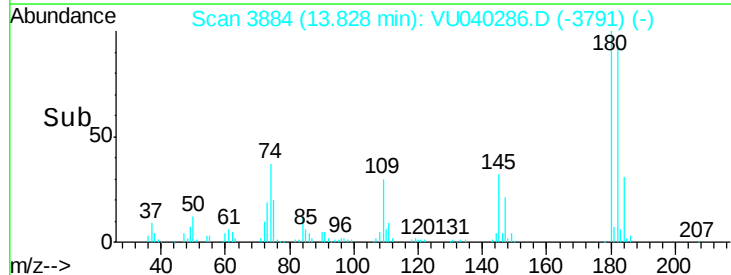
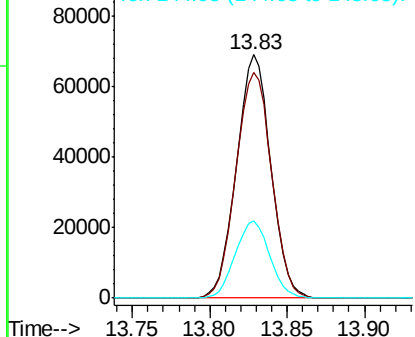


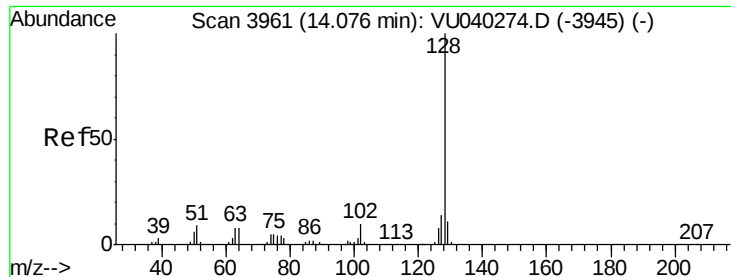
#70
 1,2,4-trichlorobenzene
 Concen: 4.958 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040286.D
 Acq: 24 Sep 2020 21:39

Tgt Ion:180	Resp:	106476
Ion	Ratio	Lower Upper
180	100	
182	96.0	76.3 114.5
145	31.7	25.9 38.9



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

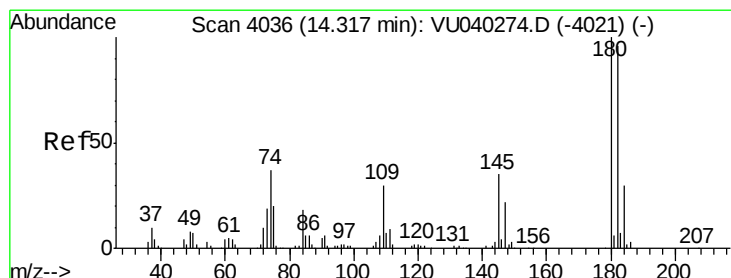
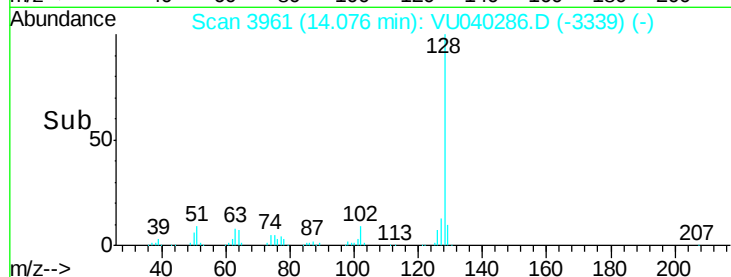
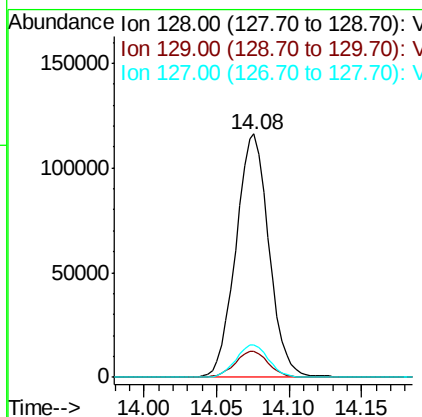
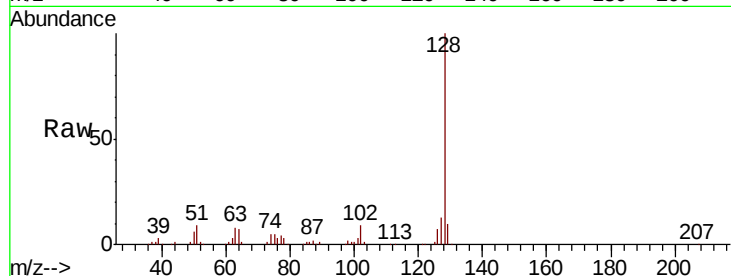




#71
Naphthalene
Concen: 4.938 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040286.D
Acq: 24 Sep 2020 21:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

Tot Ion:128 Resp: 184005
Ion Ratio Lower Upper
128 100
129 10.8 8.4 12.6
127 13.3 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.310 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU040286.D
Acq: 24 Sep 2020 21:39

Tgt Ion:180 Resp: 101872
Ion Ratio Lower Upper
180 100
182 91.7 78.0 117.0
145 32.0 28.6 42.8

