

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041307.D
 Acq On : 18 Nov 2020 04:11
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Quant Time: Nov 18 06:13:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 18 00:06:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	57152	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	56336	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27101	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19836	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.92	69	17684	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.58	63	40547	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	4.66	46	95668	55.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.38%
24) Chloroform-d	5.08	84	46223	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.72	65	30130	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.74	84	77112	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.70	67	26784	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.91	98	68102	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	8.19	79	9572	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.64	63	66876	55.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.16%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25737	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	24586	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	21546	4.568 ug/L	100
3) Chloromethane	1.52	50	24928	4.907 ug/L	99
5) Vinyl chloride	1.61	62	23465	4.729 ug/L	100
6) Bromomethane	1.86	94	10580	3.595 ug/L	99
8) Chloroethane	1.94	64	15880	4.822 ug/L	95
9) Trichlorofluoromethane	2.15	101	33949	4.393 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	19559	4.646 ug/L	98
12) 1,1-Dichloroethene	2.59	96	17470	4.696 ug/L	100
13) Acetone	2.68	43	58802	51.137 ug/L #	61
14) Carbon disulfide	2.81	76	45489	4.155 ug/L	98
15) Methyl Acetate	2.98	43	7885	3.301 ug/L	99
16) Methylene chloride	3.06	84	27232	5.838 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	60943	5.984 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	17040	4.703 ug/L	98
19) 1,1-Dichloroethane	3.89	63	41093	5.073 ug/L	98
21) 2-Butanone	4.74	43	92701	53.099 ug/L #	73
22) cis-1,2-Dichloroethene	4.68	96	20620	5.039 ug/L	91

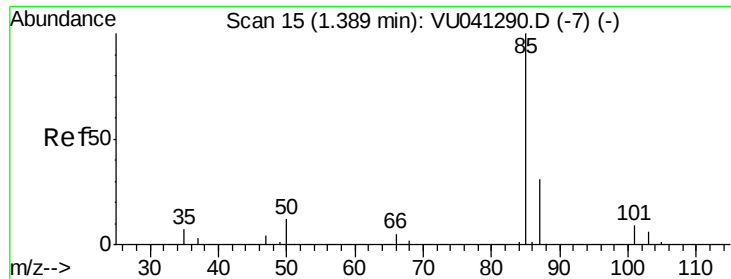
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	10788	5.317	ug/L	96
25) Chloroform	5.11	83	43911	4.998	ug/L	99
27) 1,2-Dichloroethane	5.81	62	34044	5.390	ug/L #	94
29) 1,1,1-Trichloroethane	5.33	97	34605	5.025	ug/L	96
30) Cyclohexane	5.40	56	26503	4.658	ug/L	98
31) Carbon tetrachloride	5.54	117	30157	5.051	ug/L	99
33) Benzene	5.79	78	80665	5.284	ug/L	100
34) Trichloroethene	6.55	95	20336	4.929	ug/L	99
35) Methylcyclohexane	6.77	83	23717	4.327	ug/L	98
37) 1,2-Dichloropropane	6.80	63	25402	5.692	ug/L #	96
38) Bromodichloromethane	7.12	83	32063	5.497	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	24131	3.877	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	217520	58.902	ug/L	99
42) Toluene	7.98	91	81398	4.989	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	24904	4.230	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	19249	5.578	ug/L	94
47) Tetrachloroethene	8.56	164	14277	4.683	ug/L	94
48) 2-Hexanone	8.69	43	155809	56.520	ug/L	99
49) Dibromochloromethane	8.82	129	21973	5.373	ug/L	97
50) 1,2-Dibromoethane	8.93	107	17112	5.345	ug/L	94
51) Chlorobenzene	9.45	112	51936	4.806	ug/L	99
52) Ethylbenzene	9.57	91	82397	4.729	ug/L	100
53) m,p-Xylene	9.70	106	30852	4.900	ug/L	95
54) o-Xylene	10.10	106	29869	4.924	ug/L	97
55) Styrene	10.11	104	22444	2.090	ug/L	97
56) Isopropylbenzene	10.48	105	75920	4.725	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	24321	5.391	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	19574	5.562	ug/L	100
61) Bromoform	10.29	173	13388	5.395	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	40094	4.917	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	40023	4.763	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	40330	4.972	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4306	5.718	ug/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	27492	4.733	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	21405	4.437	ug/L	97
69) Naphthalene	14.08	128	37473	4.797	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	20998	4.687	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.568 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampleId :

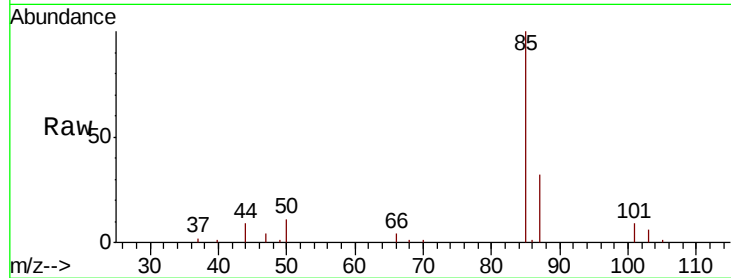
VSTD00526

Tot Ion: 85 Resp: 21546

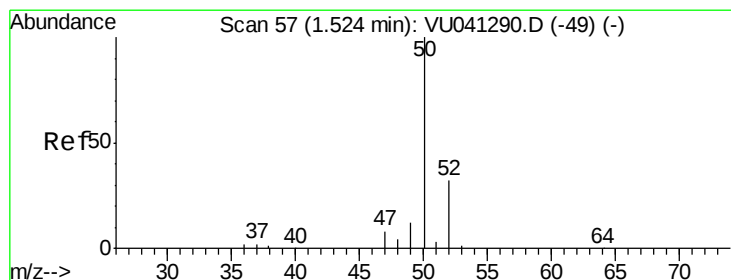
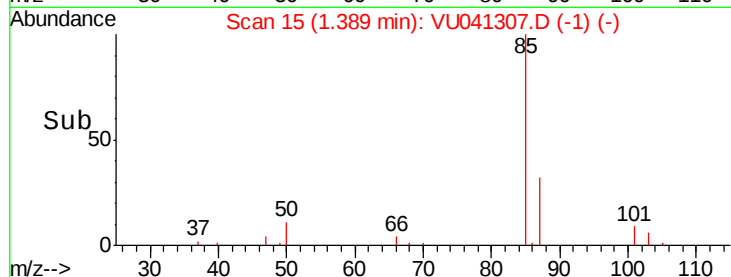
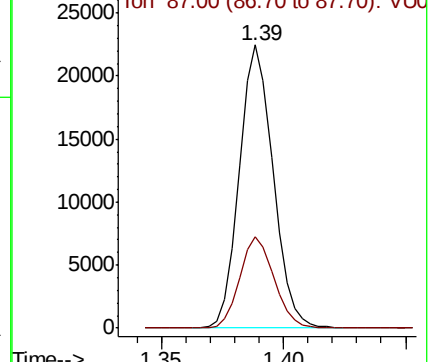
Ion Ratio Lower Upper

85 100

87 32.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU041307.D (-1) (-)



#3

Chloromethane

Concen: 4.907 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041307.D

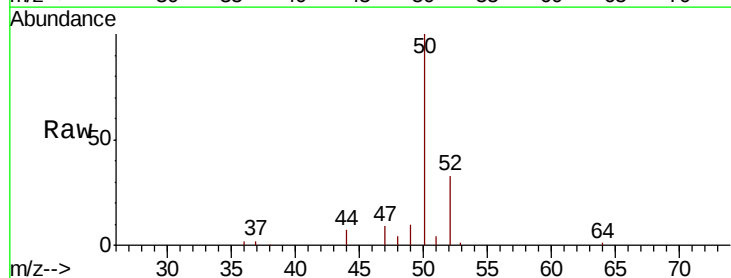
Acq: 18 Nov 2020 04:11

Tgt Ion: 50 Resp: 24928

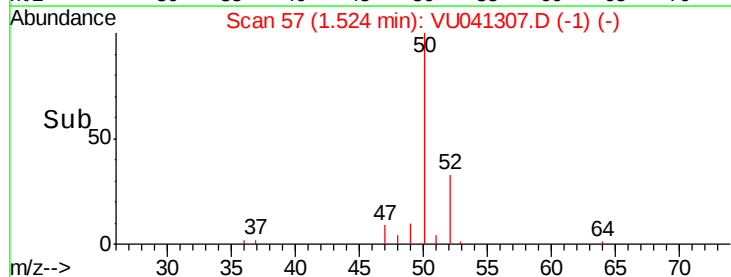
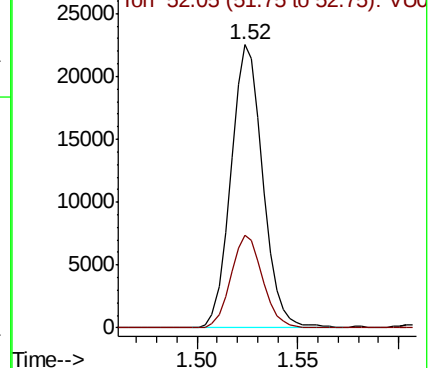
Ion Ratio Lower Upper

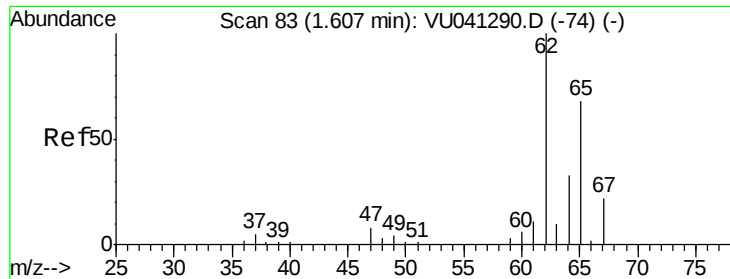
50 100

52 32.7 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041307.D (-1) (-)





#5

Vinyl chloride

Concen: 4.729 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampleId :

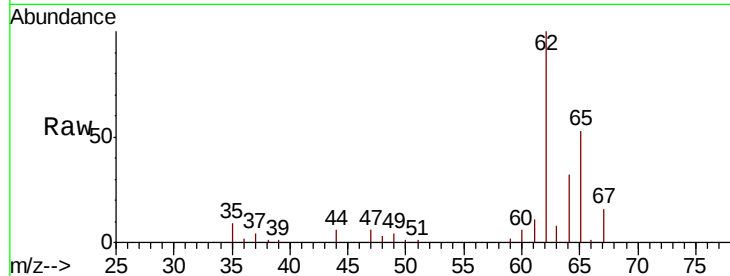
VSTD00526

Tot Ion: 62 Resp: 23465

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU041290.D (-74) (-)

Ion 64.10 (63.80 to 64.80): VU041290.D (-74) (-)

1.61

25000

20000

15000

10000

5000

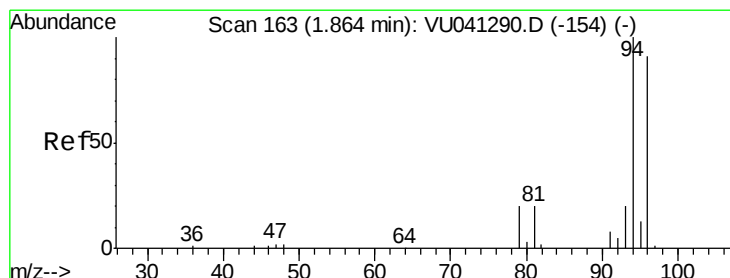
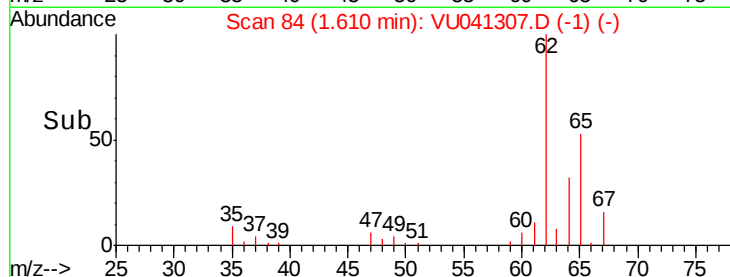
0

Time-->

1.55

1.60

1.65



#6

Bromomethane

Concen: 3.595 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041307.D

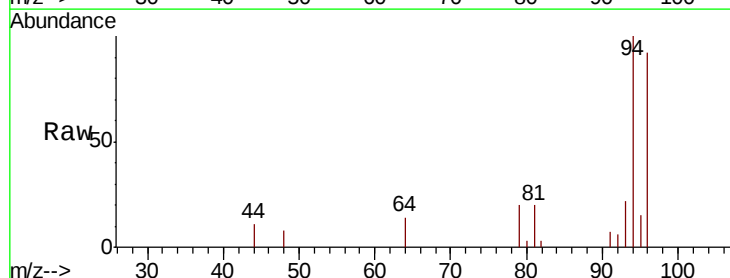
Acq: 18 Nov 2020 04:11

Tgt Ion: 94 Resp: 10580

Ion Ratio Lower Upper

94 100

96 92.0 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU041290.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU041290.D (-154) (-)

1.86

10000

8000

6000

4000

2000

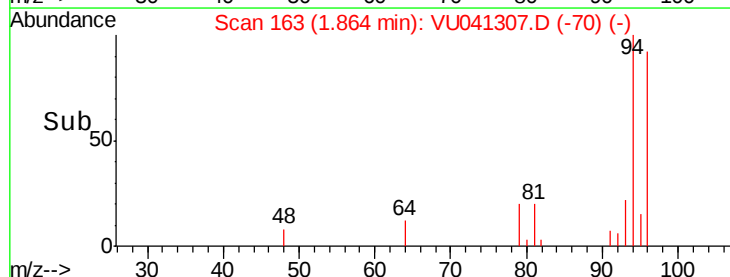
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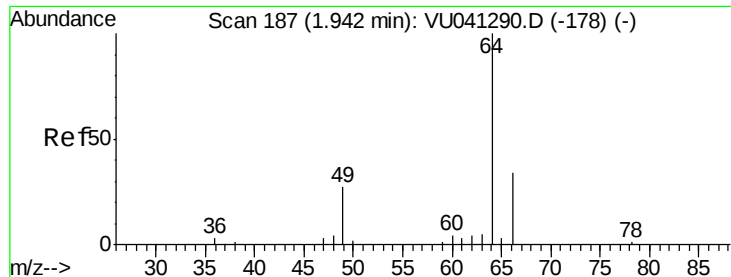
Time-->

1.80

1.85

1.90

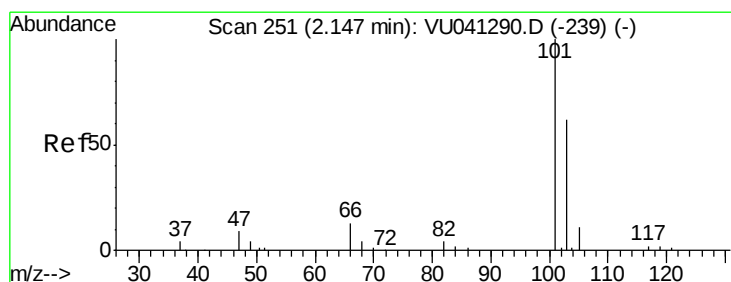
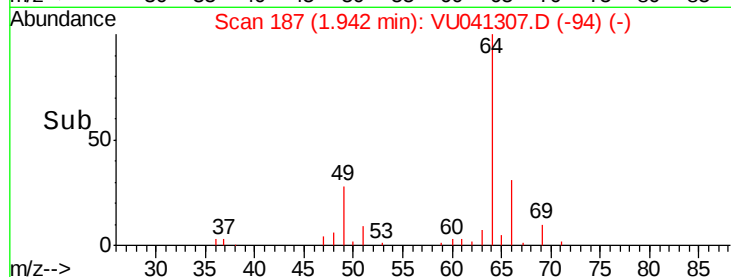
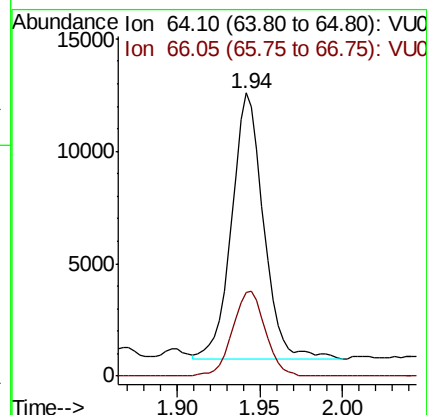
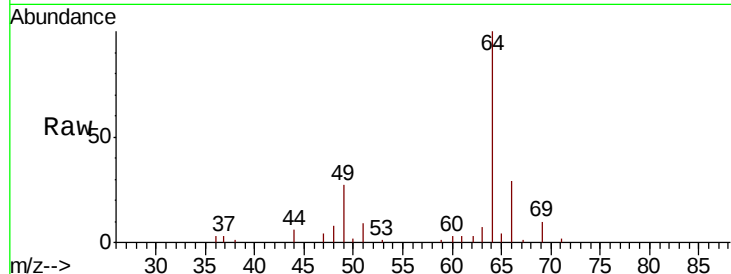




#8
Chloroethane
Concen: 4.822 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU041307.D
Acq: 18 Nov 2020 04:11

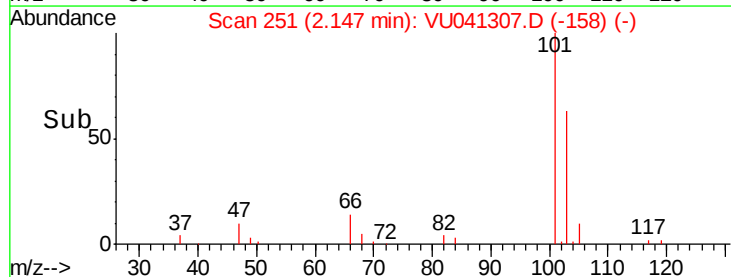
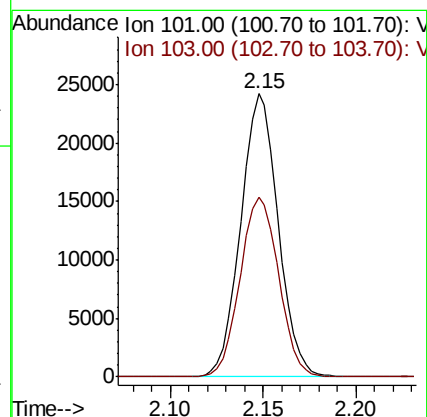
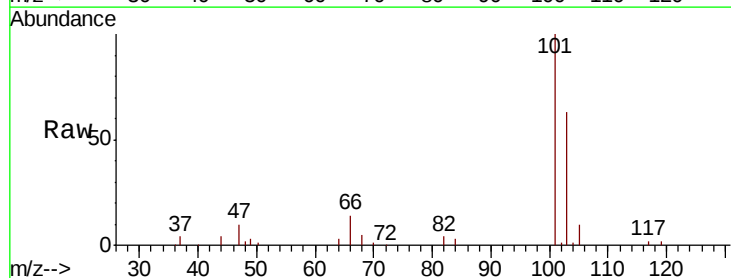
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

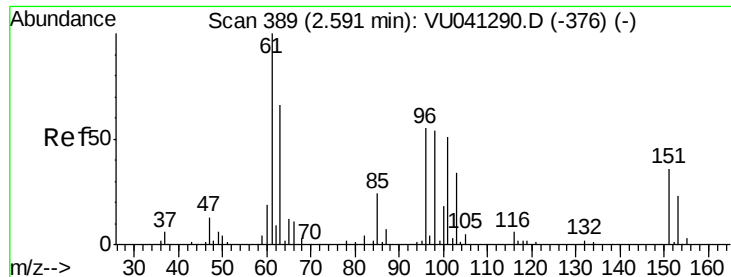
Tot Ion: 64 Resp: 15880
Ion Ratio Lower Upper
64 100
66 29.4 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.393 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU041307.D
Acq: 18 Nov 2020 04:11

Tgt Ion: 101 Resp: 33949
Ion Ratio Lower Upper
101 100
103 65.3 51.0 76.4





#10

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

Concen: 4.646 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

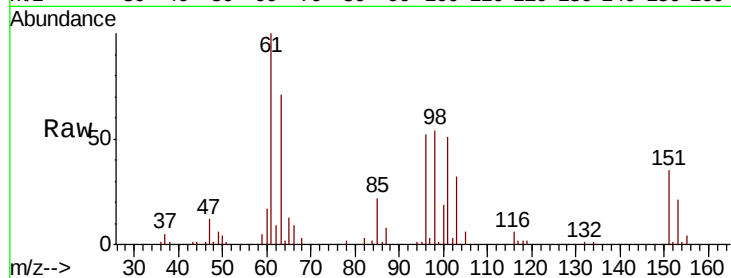
Tot Ion:101 Resp: 19559

Ion Ratio Lower Upper

101 100

85 42.2 35.0 52.4

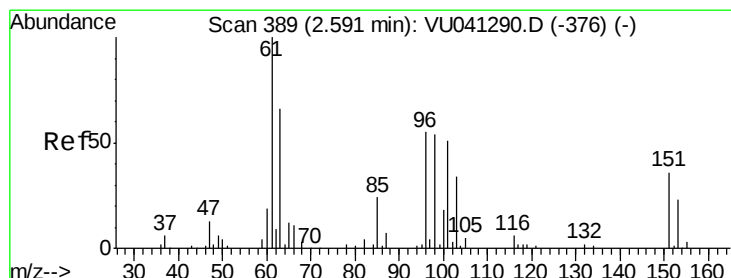
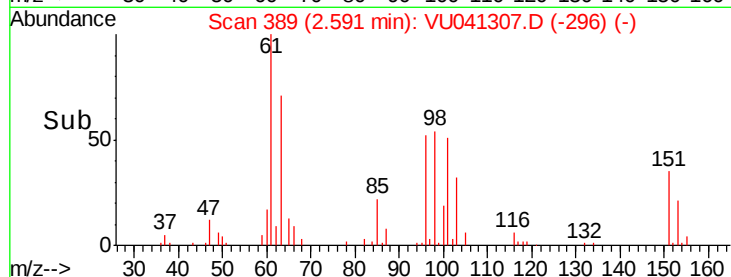
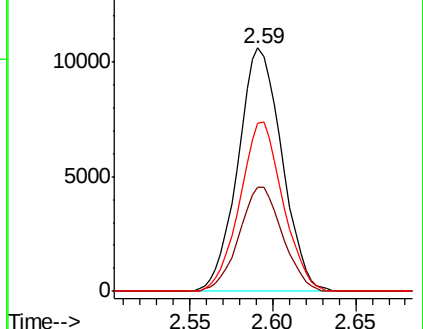
151 68.0 55.3 82.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.696 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

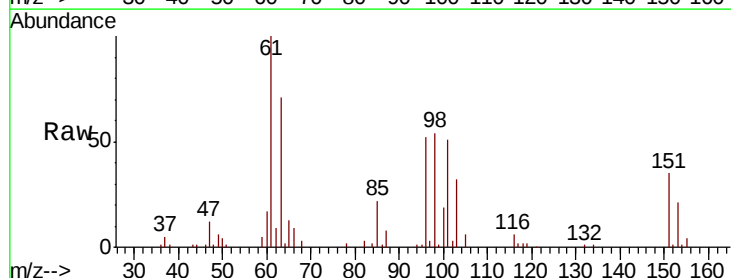
Tgt Ion: 96 Resp: 17470

Ion Ratio Lower Upper

96 100

61 191.5 134.3 249.5

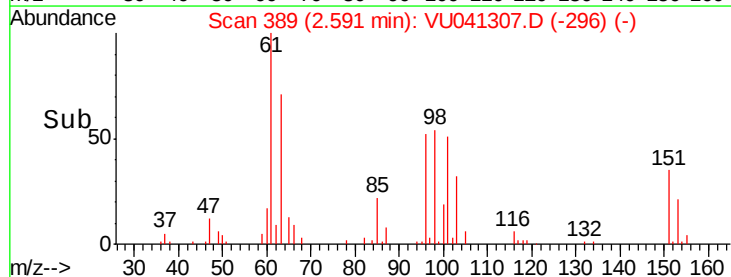
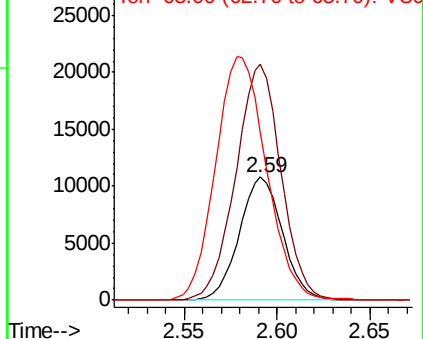
63 136.4 95.0 176.4

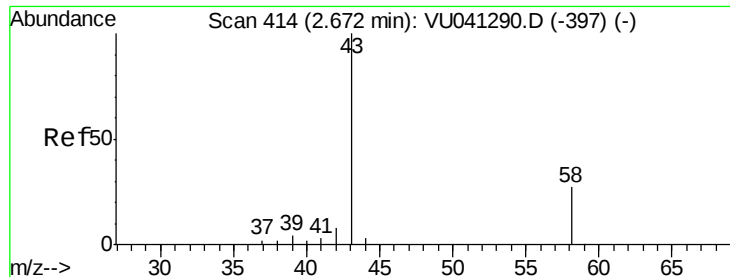


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.137 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampleId :

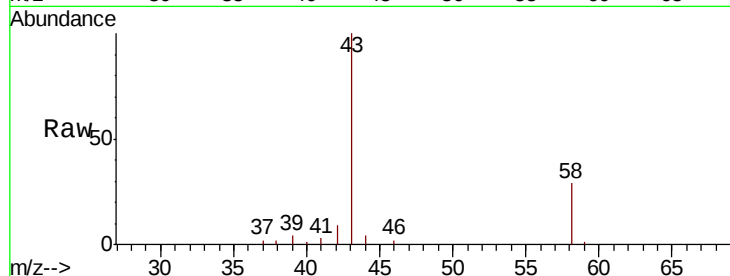
VSTD00526

Tot Ion: 43 Resp: 58802

Ion Ratio Lower Upper

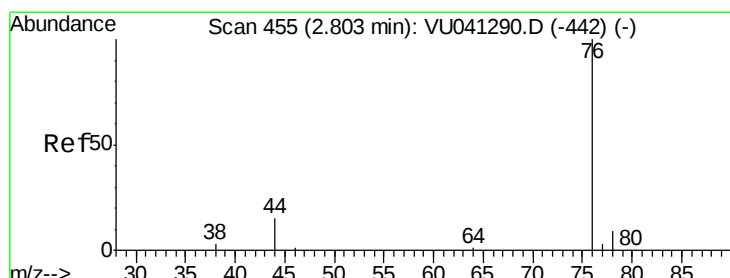
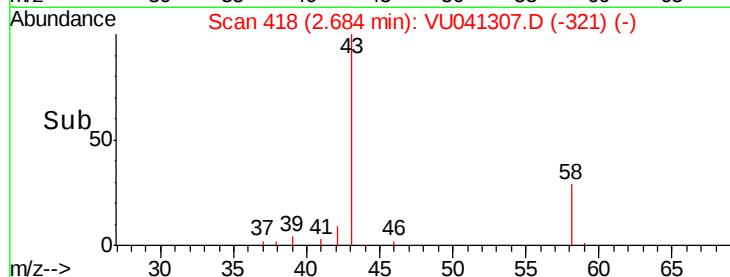
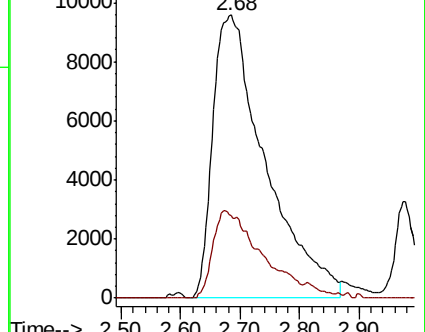
43 100

58 28.0 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041290.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU041290.D (-397) (-)



#14

Carbon disulfide

Concen: 4.155 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041307.D

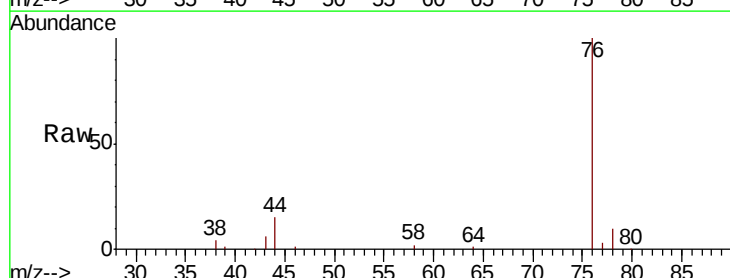
Acq: 18 Nov 2020 04:11

Tgt Ion: 76 Resp: 45489

Ion Ratio Lower Upper

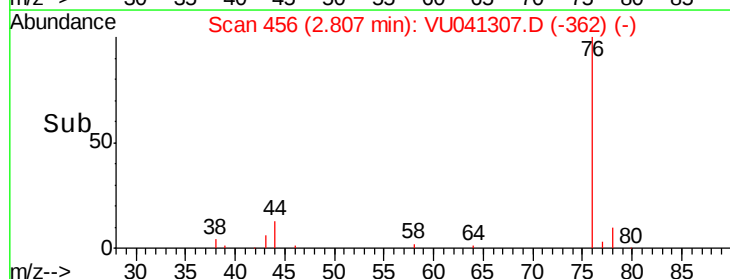
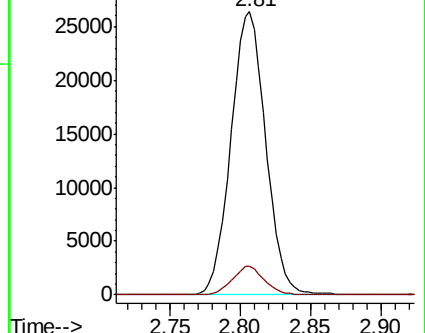
76 100

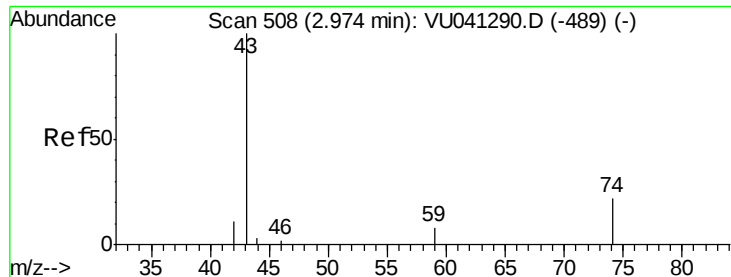
78 10.2 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041290.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU041290.D (-442) (-)





#15

Methvl Acetate

Concen: 3.301 ug/L

RT: 2.98 min Scan# 509

Delta R.T. 0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampled :

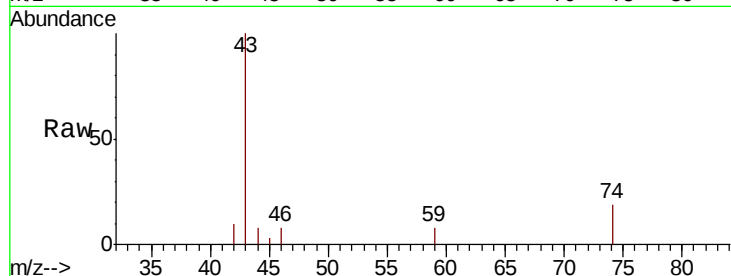
VSTD00526

Tot Ion: 43 Resp: 7885

Ion Ratio Lower Upper

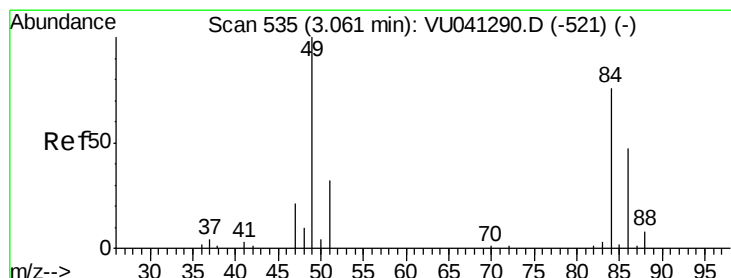
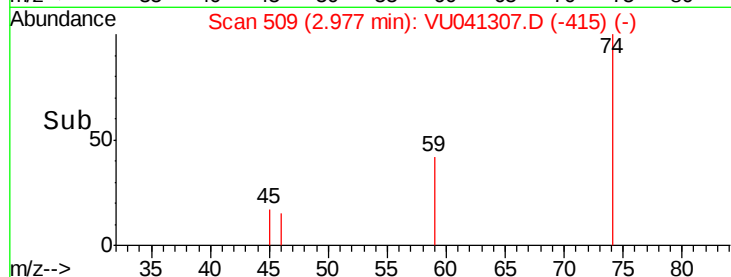
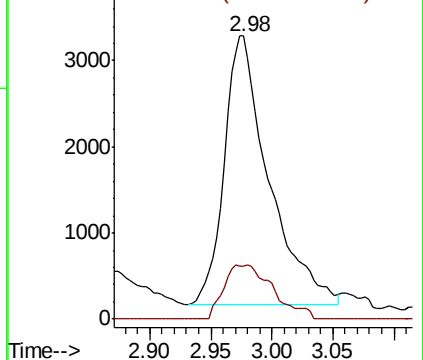
43 100

74 22.5 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 5.838 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

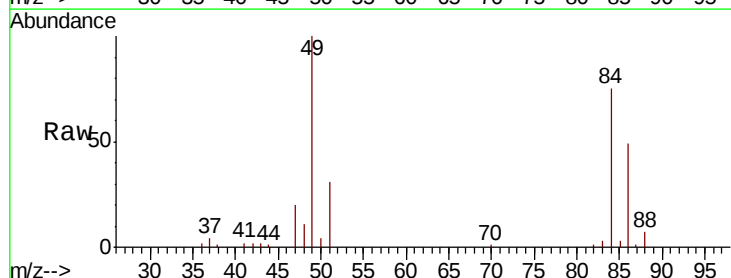
Tgt Ion: 84 Resp: 27232

Ion Ratio Lower Upper

84 100

86 64.9 42.8 79.6

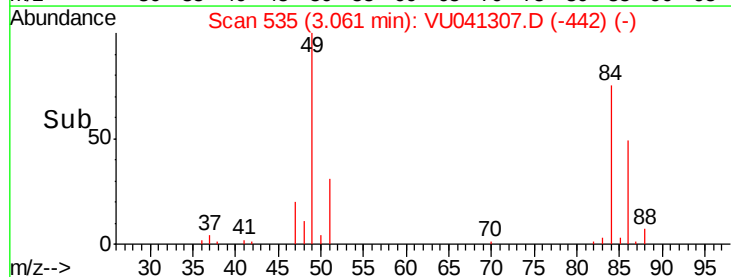
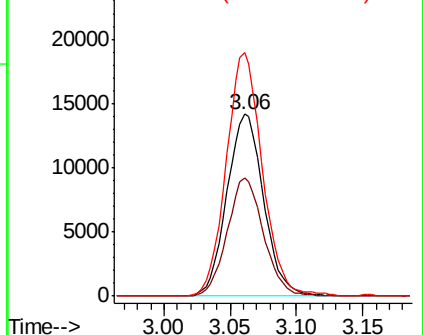
49 133.7 99.5 184.7

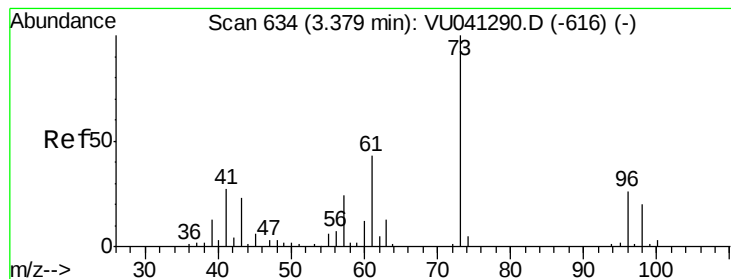


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



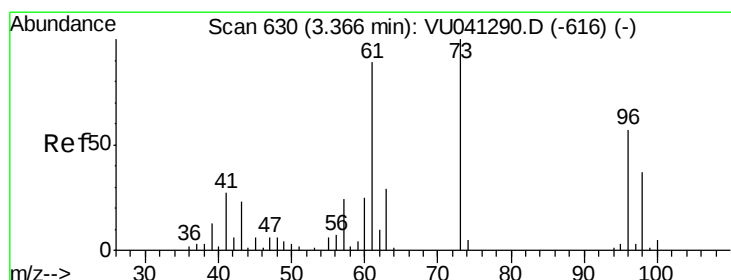
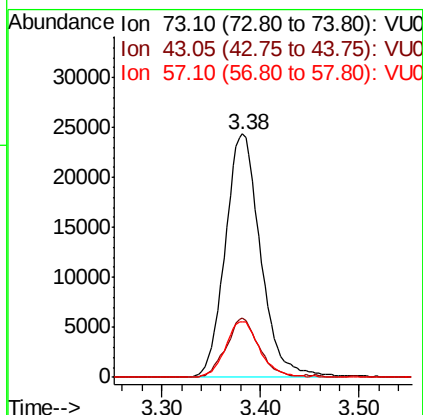
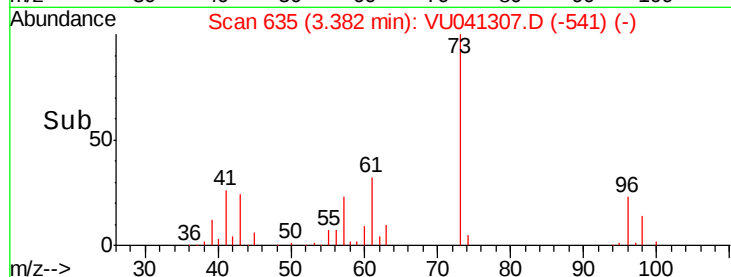
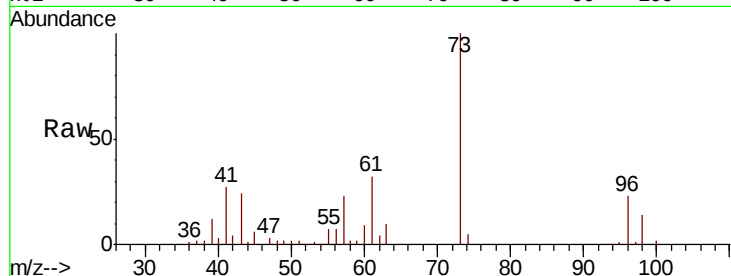


#17

Methvl tert-butvl Ether
 Concen: 5.984 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

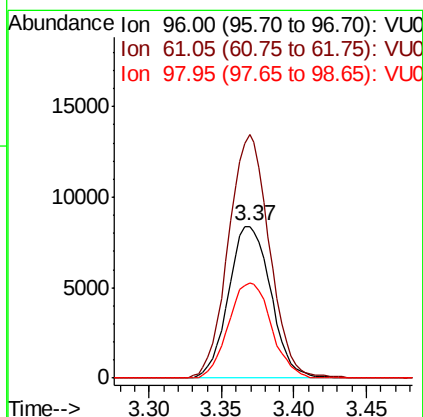
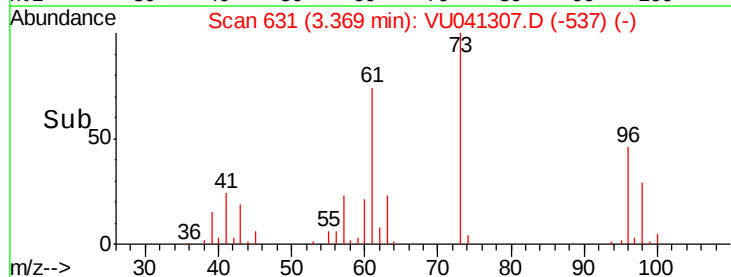
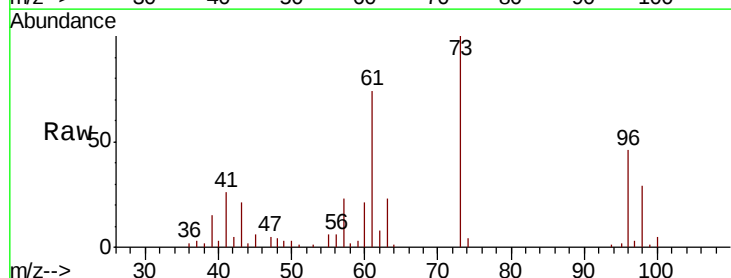
Tot Ion: 73 Resp: 60943
 Ion Ratio Lower Upper
 73 100
 43 22.5 18.5 27.7
 57 22.2 18.4 27.6

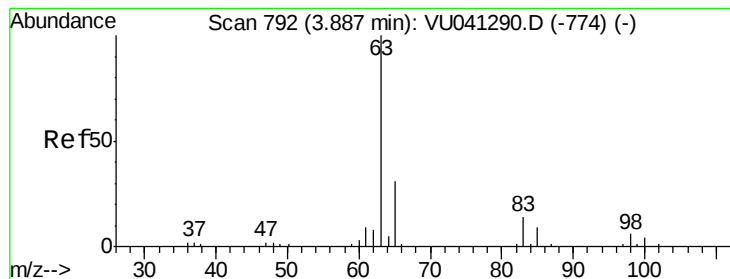


#18

trans-1,2-Dichloroethene
 Concen: 4.703 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

Tgt Ion: 96 Resp: 17040
 Ion Ratio Lower Upper
 96 100
 61 160.4 110.9 205.9
 98 62.8 45.4 84.2





#19

1,1-Dichloroethane

Concen: 5.073 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

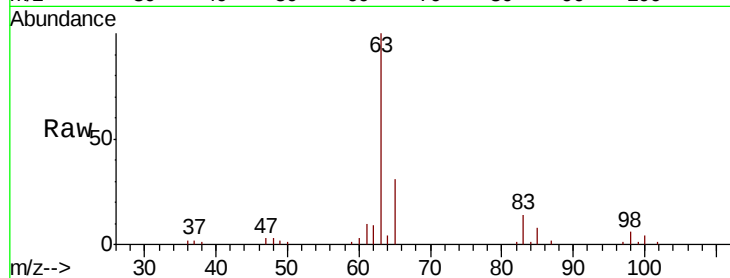
Tot Ion: 63 Resp: 41093

Ion Ratio Lower Upper

63 100

65 31.2 21.3 39.6

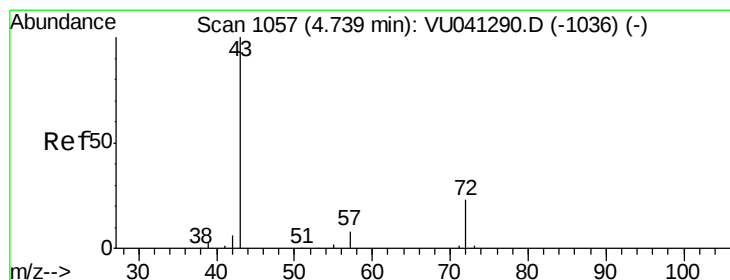
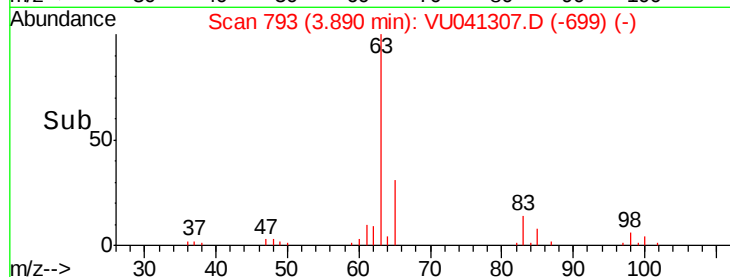
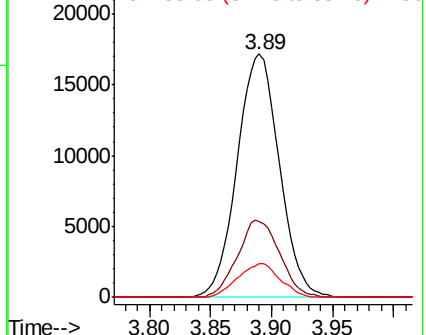
83 13.7 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041307.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU041307.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU041307.D (-699) (-)



#21

2-Butanone

Concen: 53.099 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU041307.D

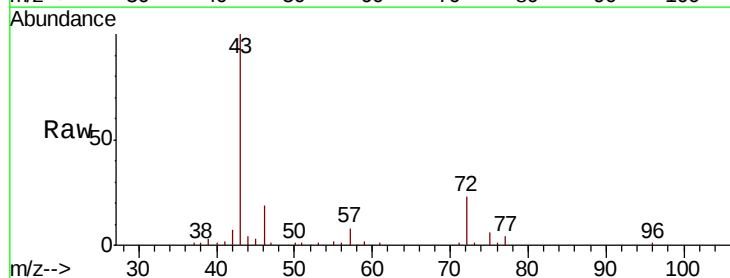
Acq: 18 Nov 2020 04:11

Tgt Ion: 43 Resp: 92701

Ion Ratio Lower Upper

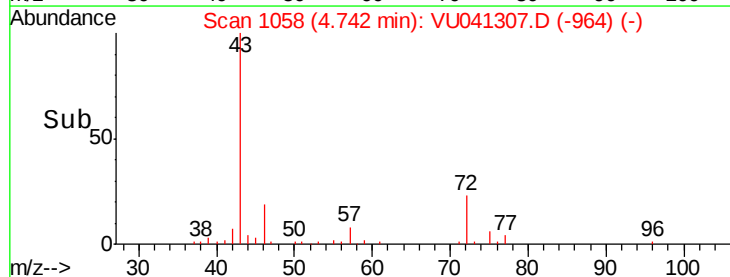
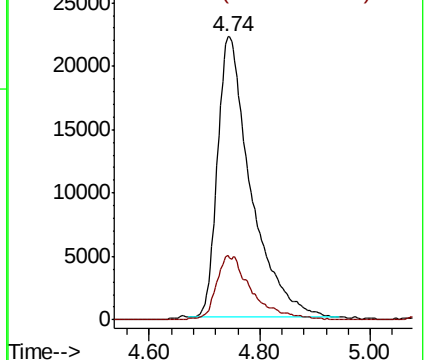
43 100

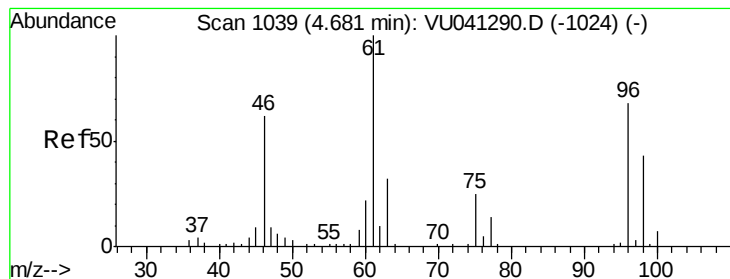
72 10.4 11.8 35.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041307.D (-964) (-)

Ion 72.10 (71.80 to 72.80): VU041307.D (-964) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.039 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

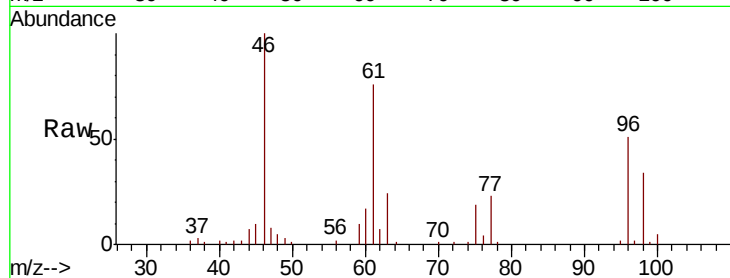
Tot Ion: 96 Resp: 20620

Ion Ratio Lower Upper

96 100

61 149.6 97.2 180.4

68 0.0 0.0 0.0

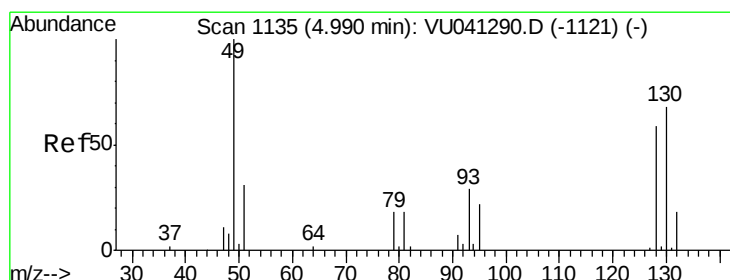
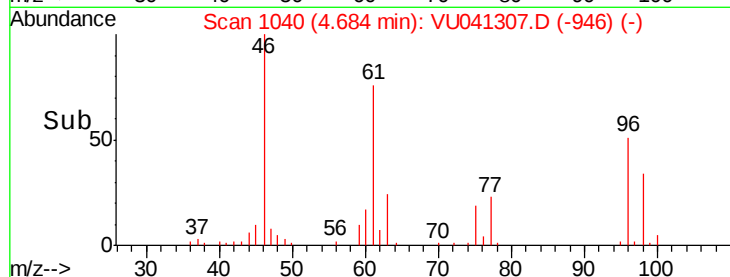
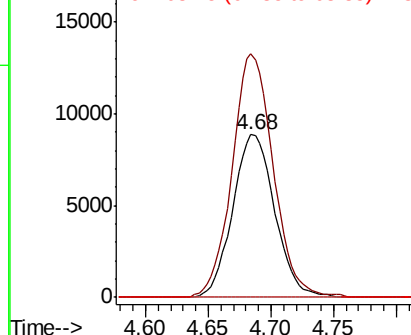


Abundance

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: 5.317 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Tgt Ion: 128 Resp: 10788

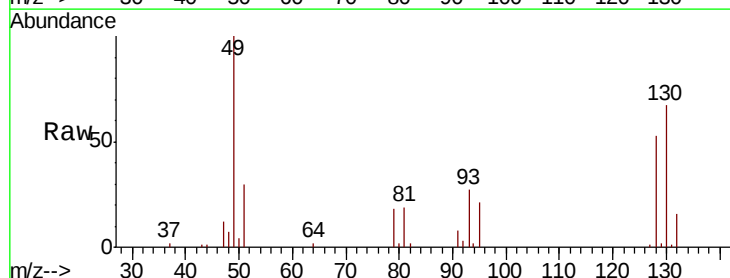
Ion Ratio Lower Upper

128 100

49 187.5 135.0 250.8

130 126.4 89.9 167.0

51 57.1 51.9 77.9



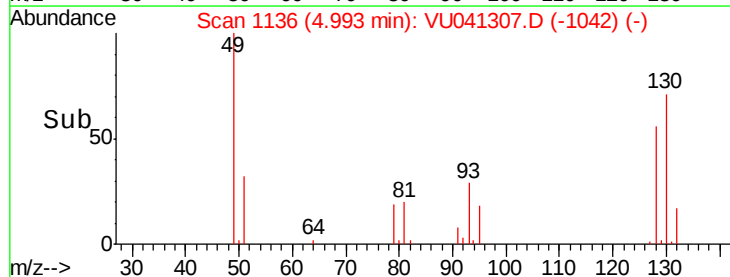
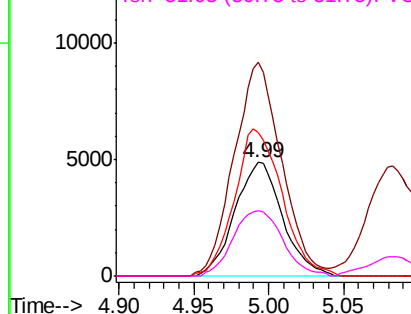
Abundance

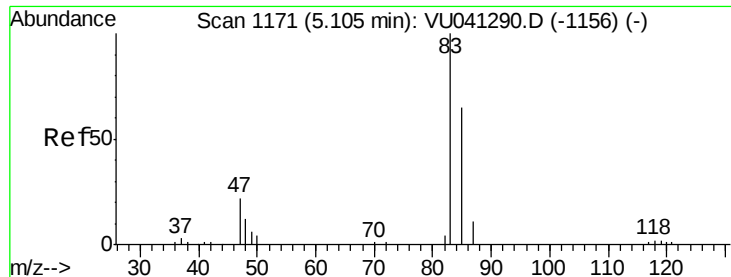
Ion 127.90 (127.60 to 128.60): V

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

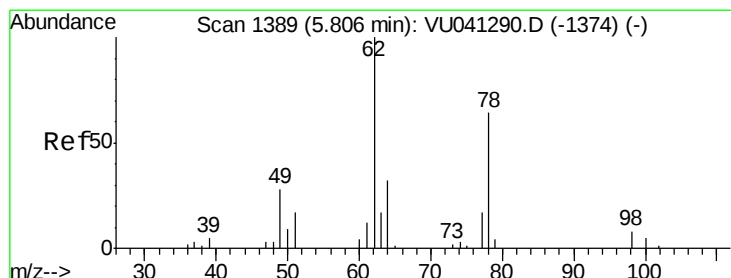
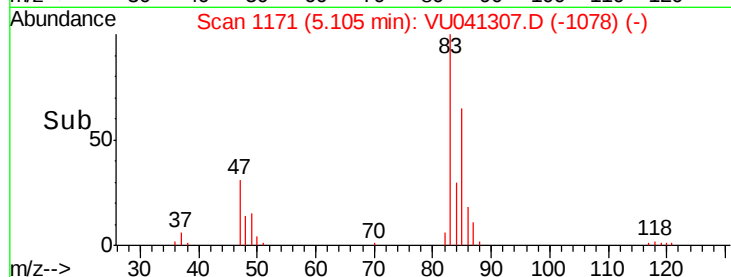
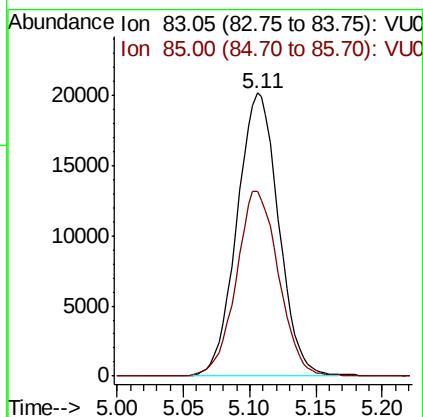
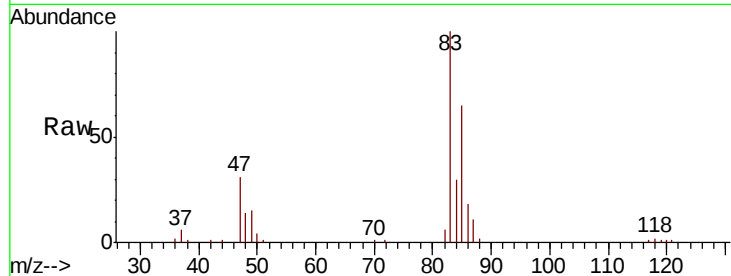




#25
Chloroform
Concen: 4.998 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041307.D
Acq: 18 Nov 2020 04:11

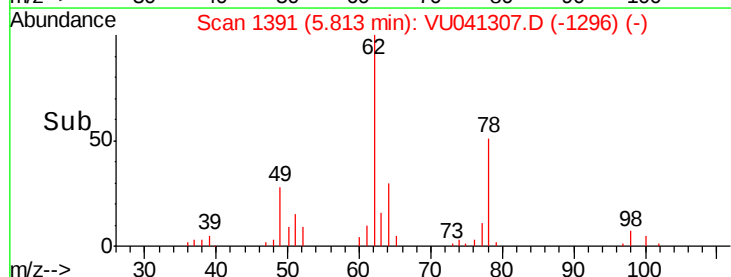
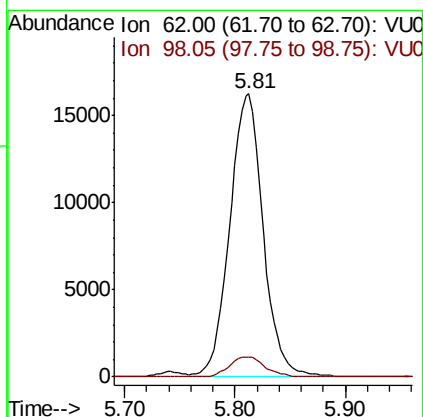
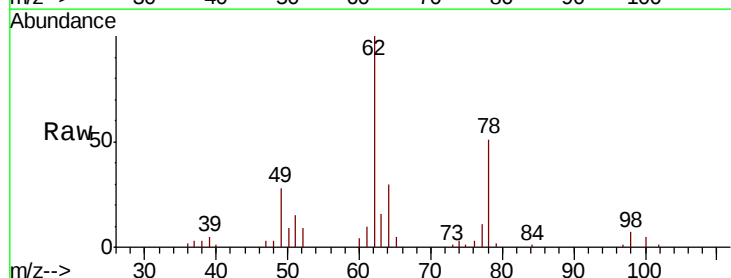
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

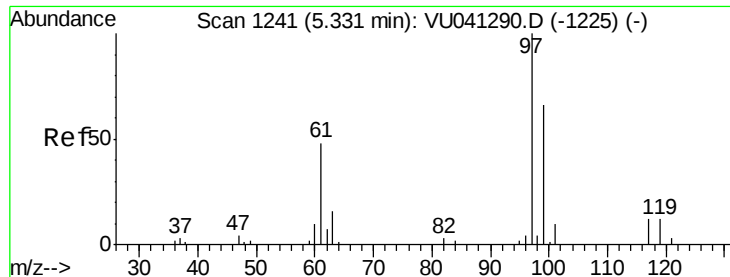
Tot Ion: 83 Resp: 43911
Ion Ratio Lower Upper
83 100
85 65.3 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.390 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.01 min
Lab File: VU041307.D
Acq: 18 Nov 2020 04:11

Tgt Ion: 62 Resp: 34044
Ion Ratio Lower Upper
62 100
98 7.1 7.6 11.4#

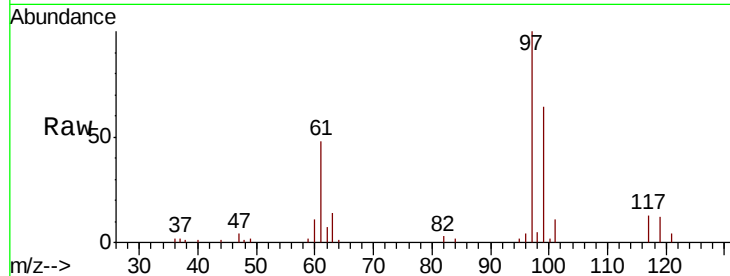




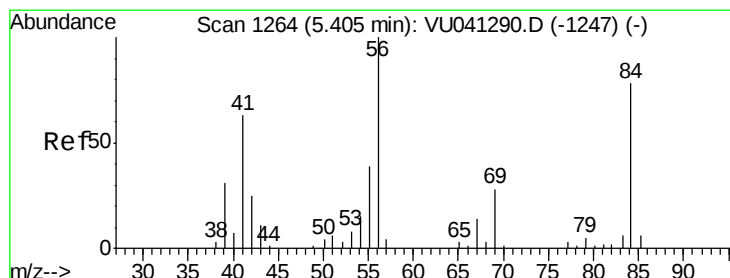
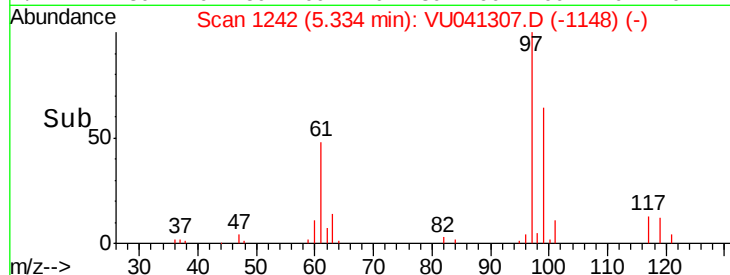
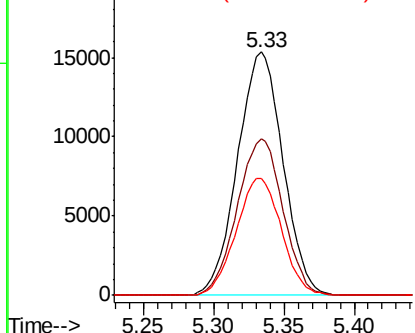
#29
 1,1,1-Trichloroethane
 Concen: 5.025 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion: 97 Resp: 34605
 Ion Ratio Lower Upper
 97 100
 99 64.6 53.4 80.0
 61 47.9 41.6 62.4

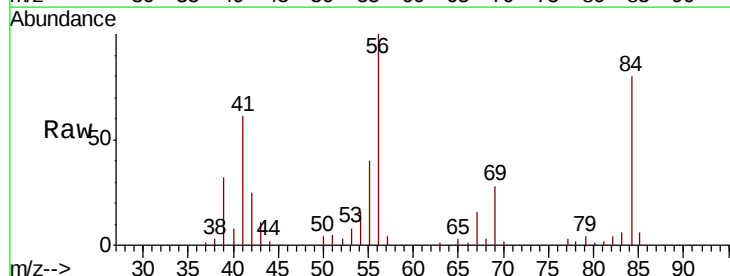


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

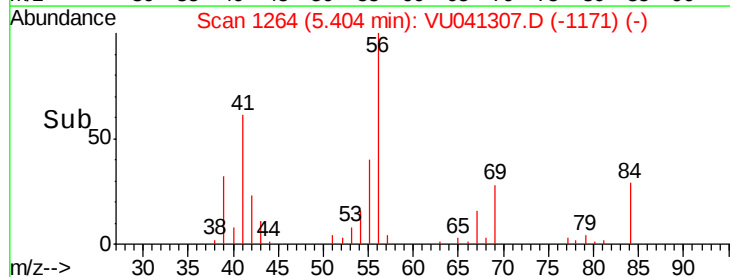
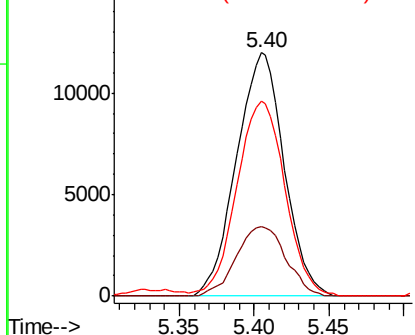


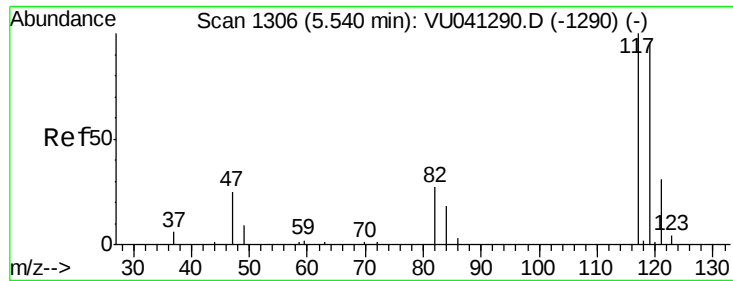
#30
 Cyclohexane
 Concen: 4.658 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

Tgt Ion: 56 Resp: 26503
 Ion Ratio Lower Upper
 56 100
 69 29.6 22.8 34.2
 84 81.1 63.6 95.4



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





#31

Carbon tetrachloride

Concen: 5.051 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampleId :

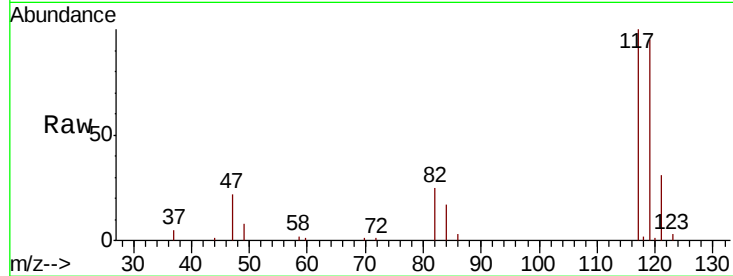
VSTD00526

Tot Ion:117 Resp: 30157

Ion Ratio Lower Upper

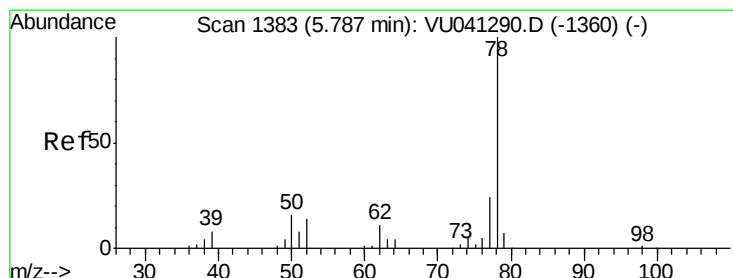
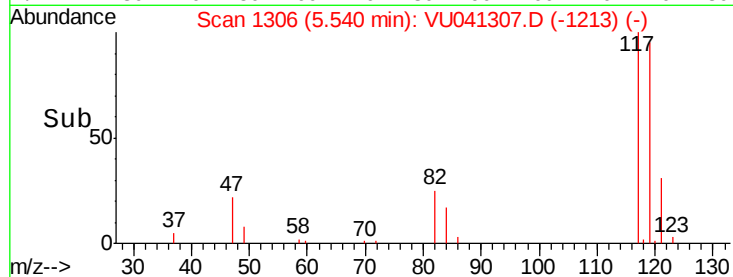
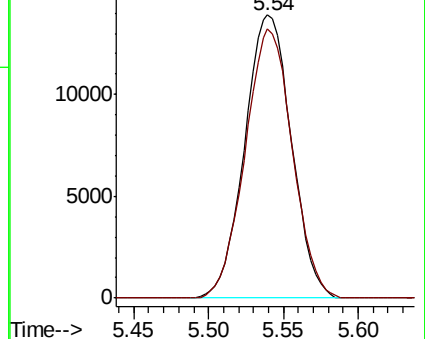
117 100

119 96.0 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.284 ug/L

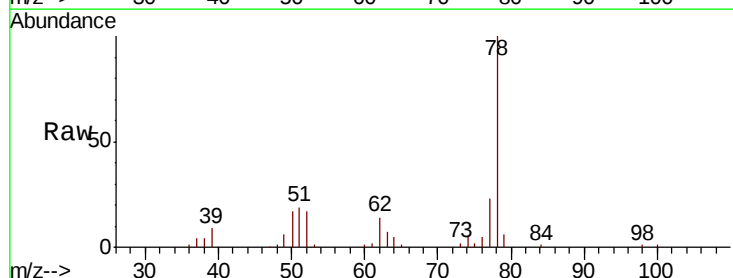
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

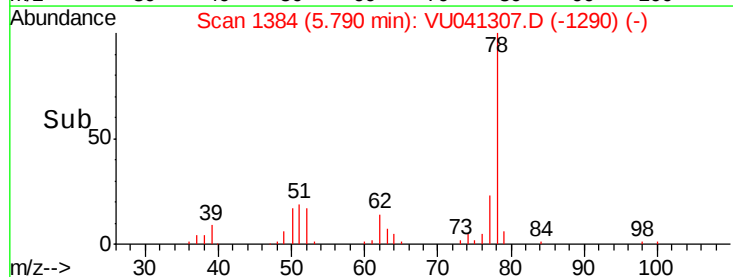
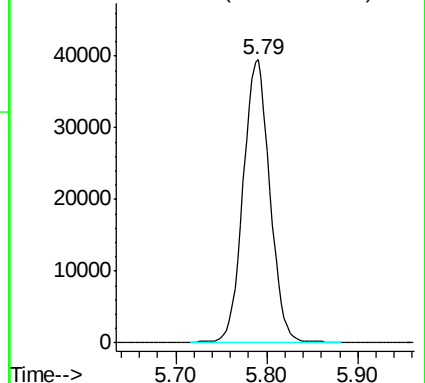
Lab File: VU041307.D

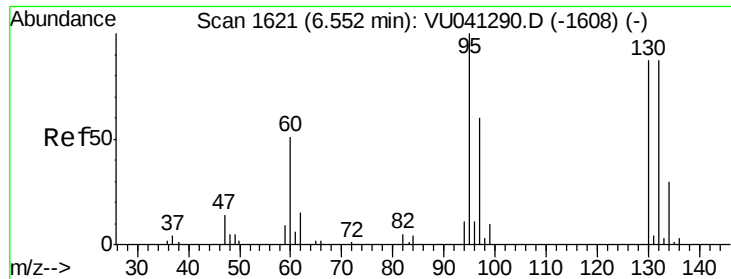
Acq: 18 Nov 2020 04:11

Tgt Ion: 78 Resp: 80665



Abundance Ion 78.10 (77.80 to 78.80): VU0

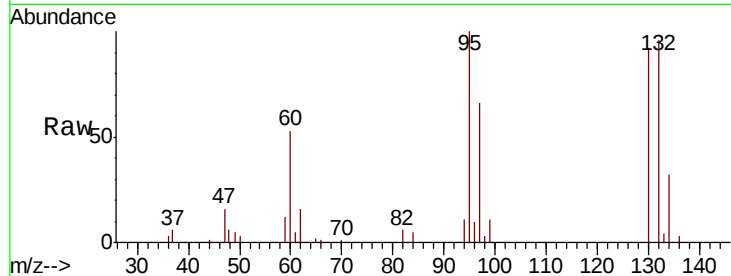




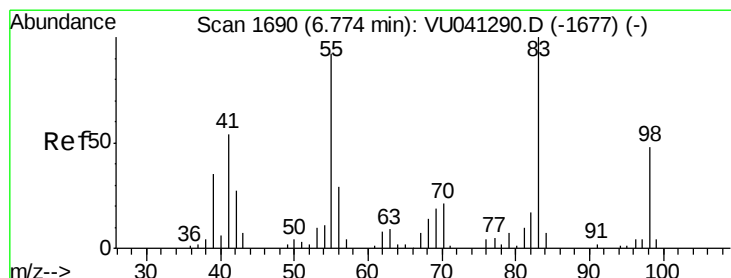
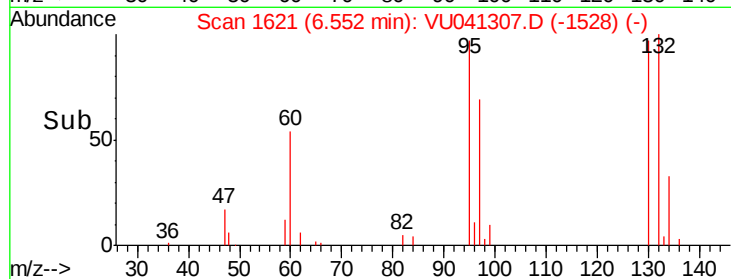
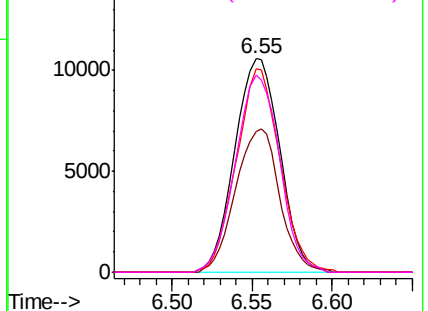
#34
 Trichloroethene
 Concen: 4.929 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion: 95 Resp: 20336
 Ion Ratio Lower Upper
 95 100
 97 65.8 45.6 84.6
 132 95.5 64.8 120.4
 130 92.3 64.8 120.4

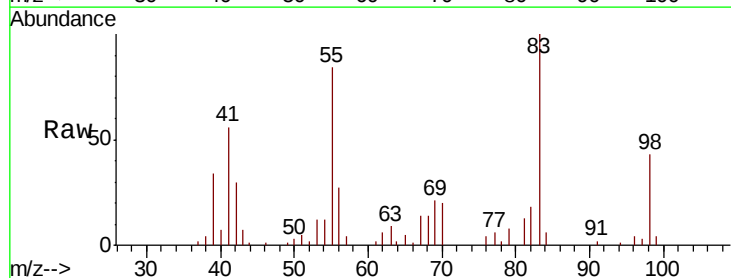


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

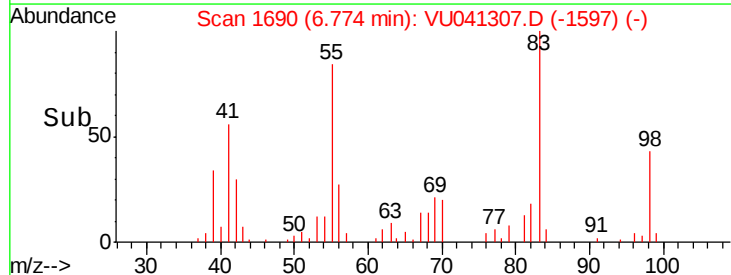
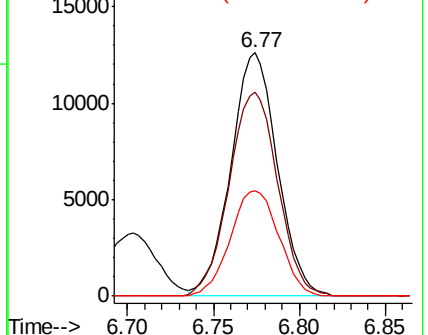


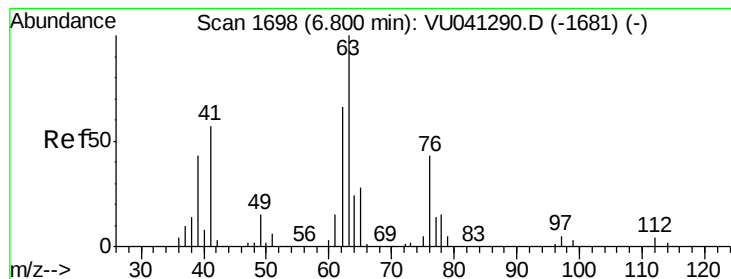
#35
 Methylcyclohexane
 Concen: 4.327 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

Tgt Ion: 83 Resp: 23717
 Ion Ratio Lower Upper
 83 100
 55 87.7 72.0 108.0
 98 45.5 36.6 55.0



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: 5.692 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampleId :

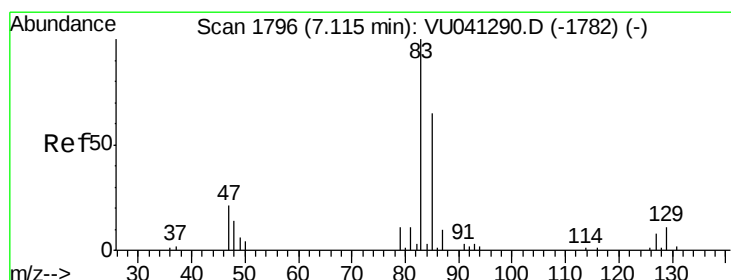
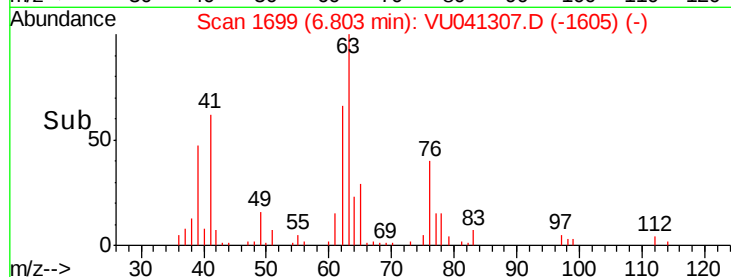
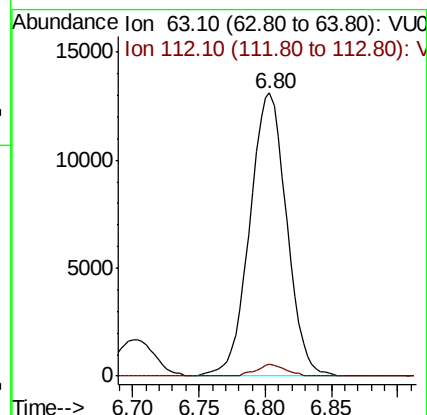
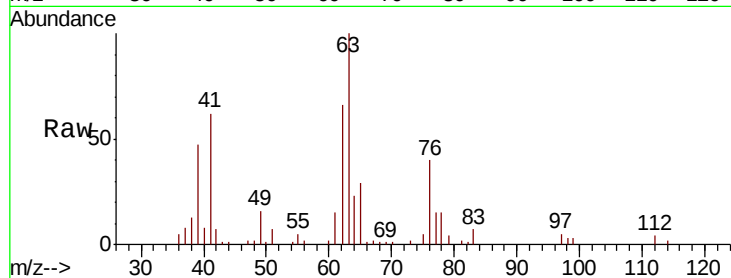
VSTD00526

Tot Ion: 63 Resp: 25402

Ion Ratio Lower Upper

63 100

112 3.3 3.6 5.4#



#38

Bromodichloromethane

Concen: 5.497 ug/L

RT: 7.12 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

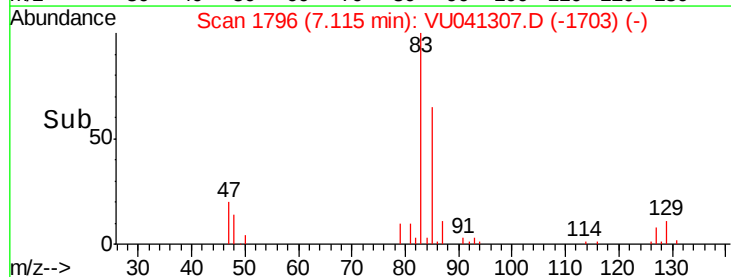
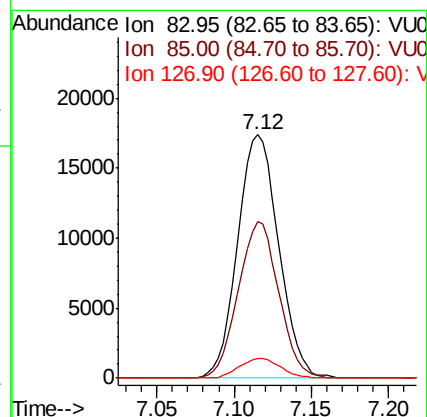
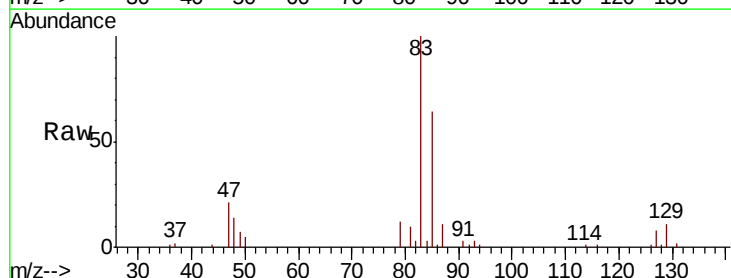
Tgt Ion: 83 Resp: 32063

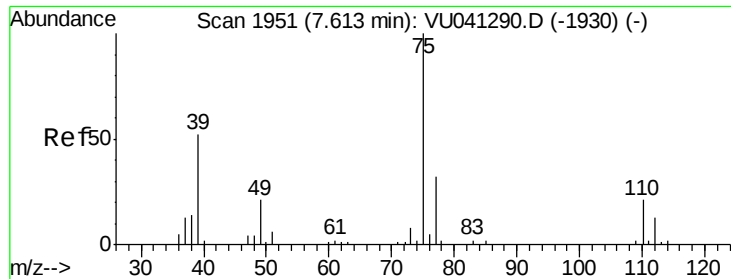
Ion Ratio Lower Upper

83 100

85 64.1 43.3 80.3

127 8.3 5.9 8.9

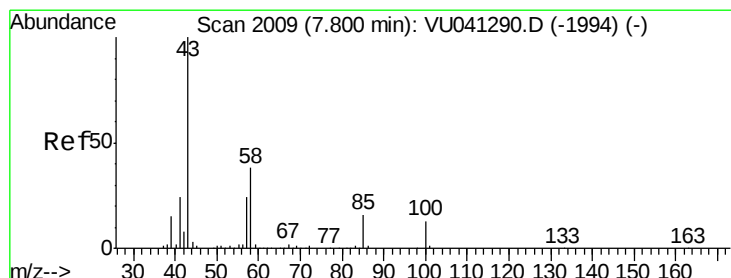
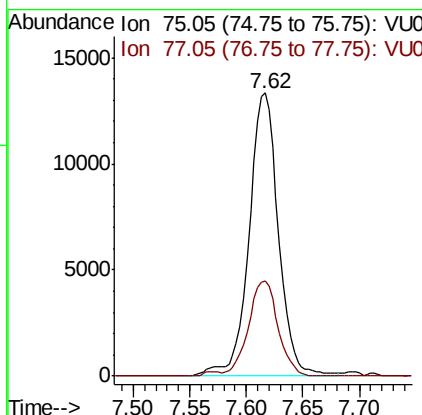
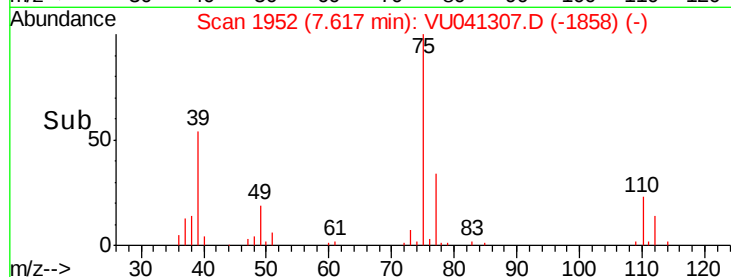
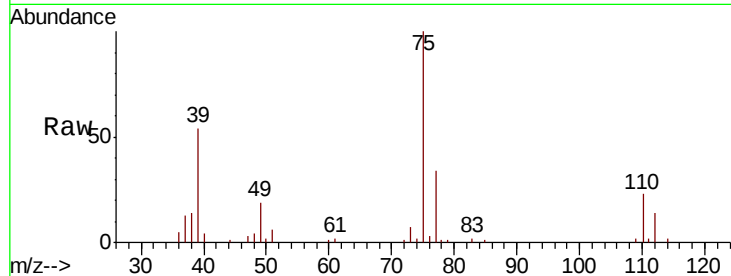




#39
 cis-1,3-Dichloropropene
 Concen: 3.877 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

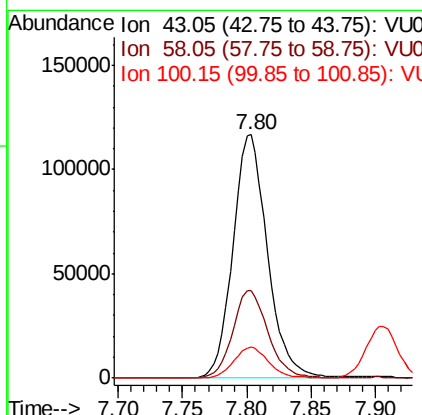
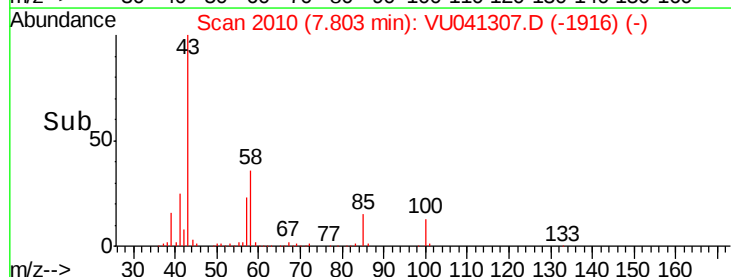
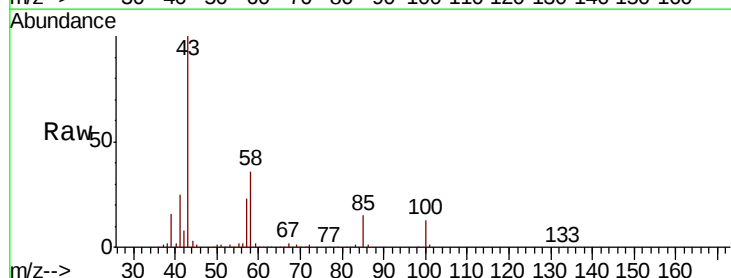
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

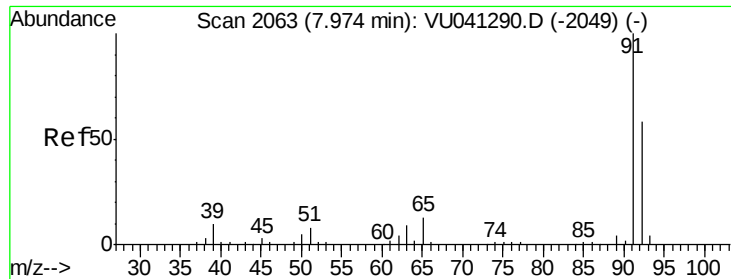
Tot Ion: 75 Resp: 24131
 Ion Ratio Lower Upper
 75 100
 77 33.6 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 58.902 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

Tgt Ion: 43 Resp: 217520
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.8 44.6
 100 12.7 10.5 15.7





#42

Toluene

Concen: 4.989 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampleId :

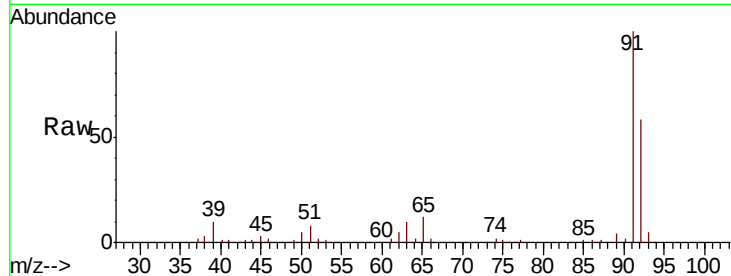
VSTD00526

Tot Ion: 91 Resp: 81398

Ion Ratio Lower Upper

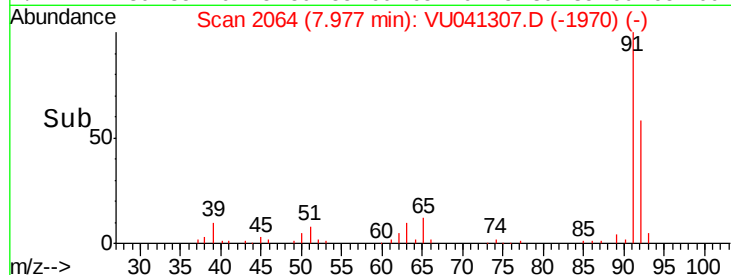
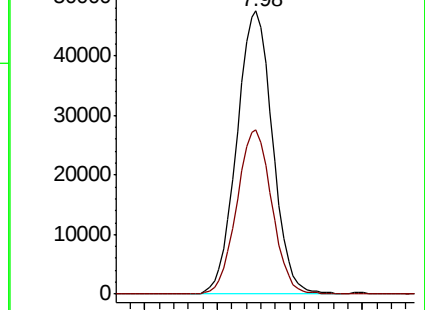
91 100

92 57.9 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041307.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU041307.D (-1970) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.230 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041307.D

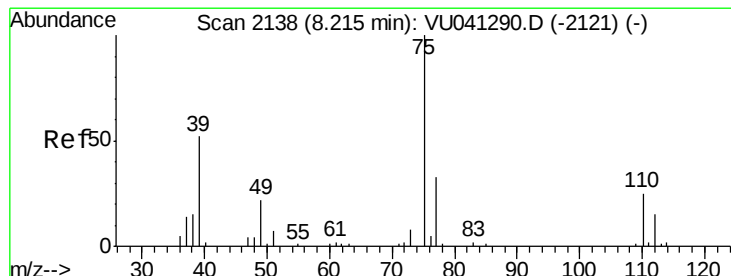
Acq: 18 Nov 2020 04:11

Tgt Ion: 75 Resp: 24904

Ion Ratio Lower Upper

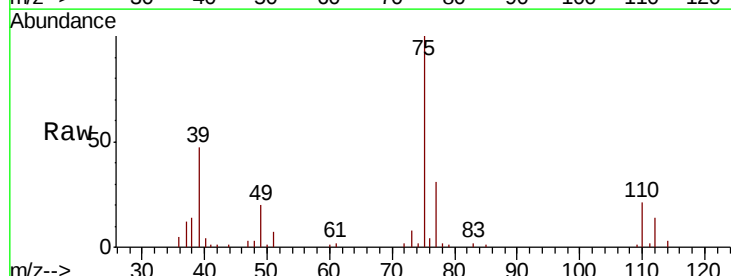
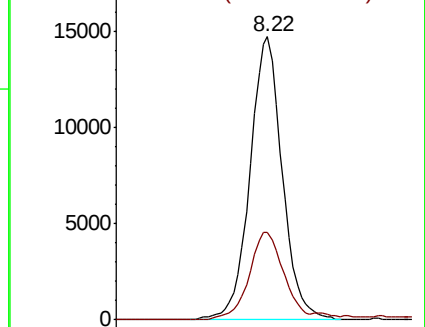
75 100

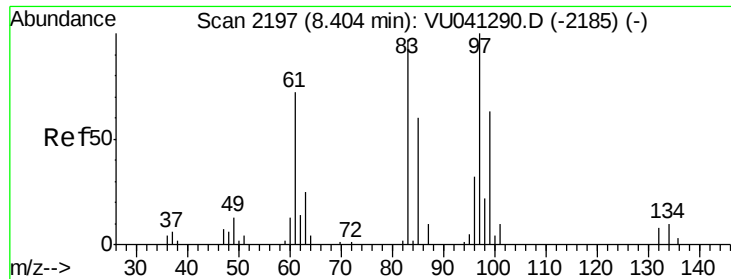
77 30.8 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041307.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041307.D (-2045) (-)

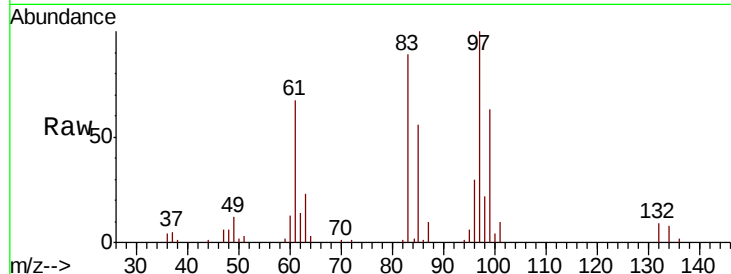




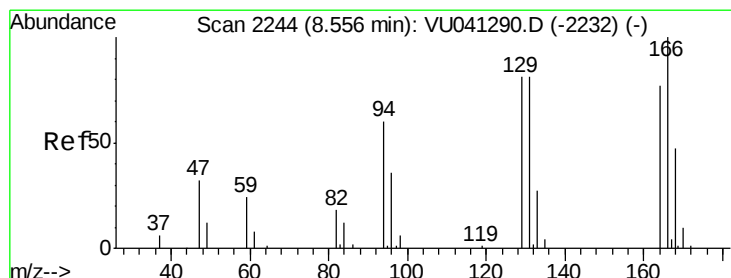
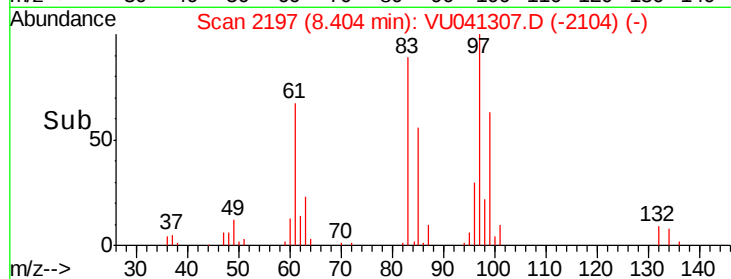
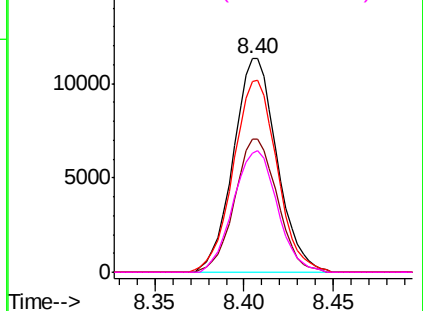
#45
 1,1,2-Trichloroethane
 Concen: 5.578 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion:	97	Resp:	19249
Ion	Ratio	Lower	Upper
97	100		
99	62.5	45.8	85.2
83	89.2	67.9	126.1
85	55.9	42.8	79.6

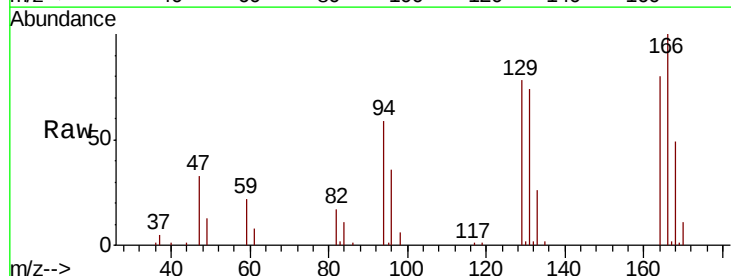


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

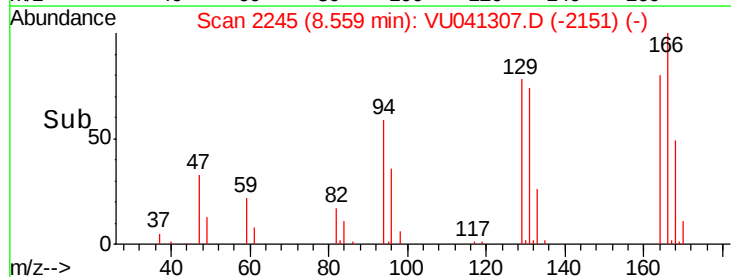
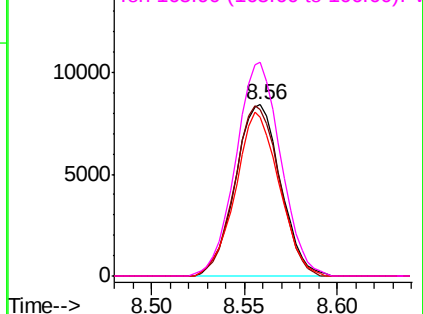


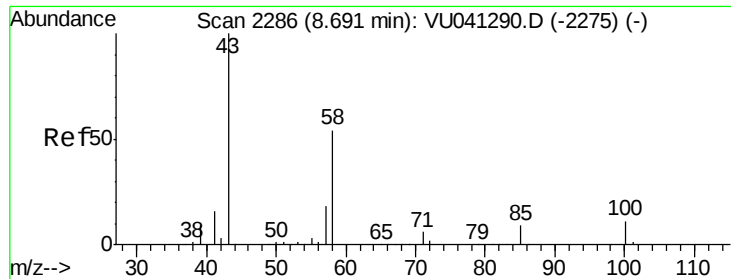
#47
 Tetrachloroethene
 Concen: 4.683 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

Tgt Ion:	164	Resp:	14277
Ion	Ratio	Lower	Upper
164	100		
129	97.3	70.3	130.7
131	92.5	70.8	131.4
166	124.8	92.0	170.8



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

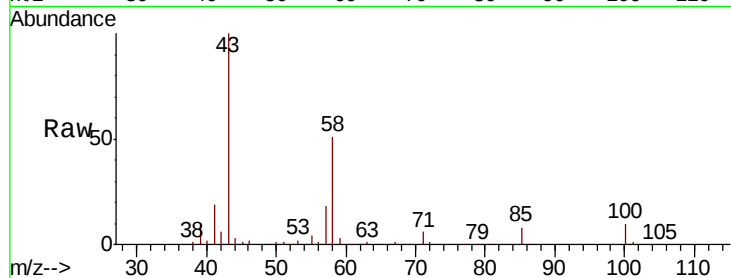




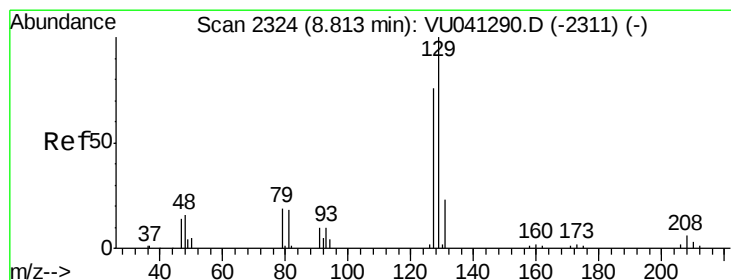
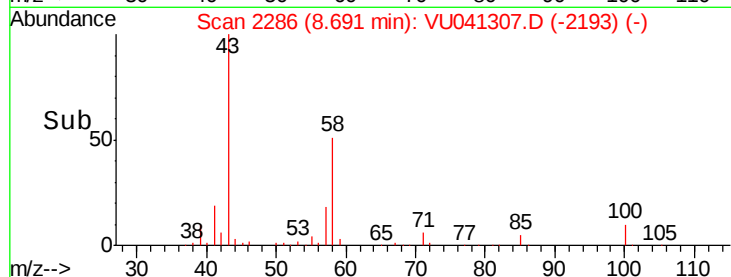
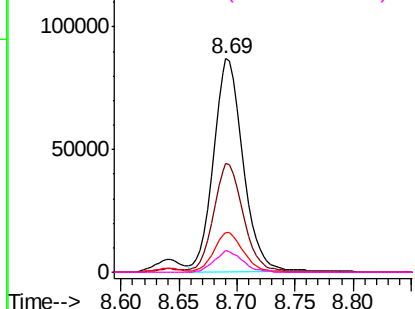
#48
2-Hexanone
Concen: 56.520 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041307.D
Acq: 18 Nov 2020 04:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:	43	Resp:	155809
Ion	Ratio	Lower	Upper
43	100		
58	51.1	41.4	62.2
57	18.6	14.6	21.8
100	9.7	8.3	12.5

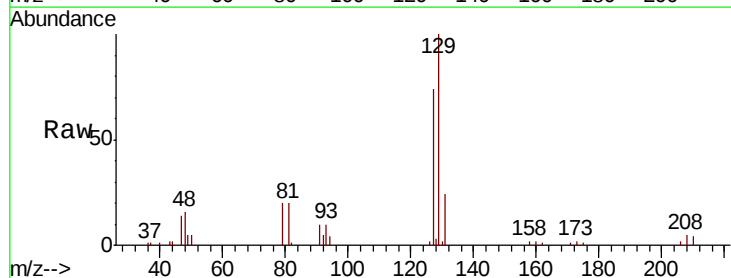


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

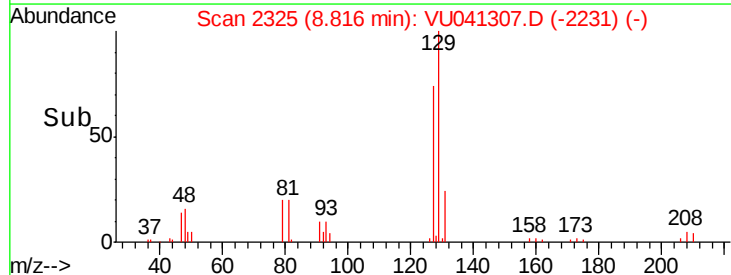
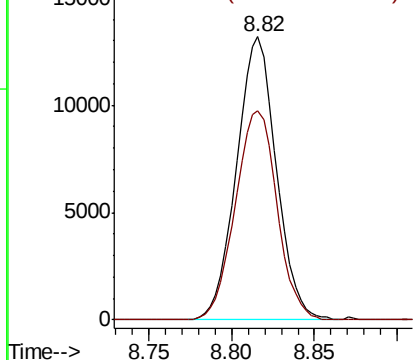


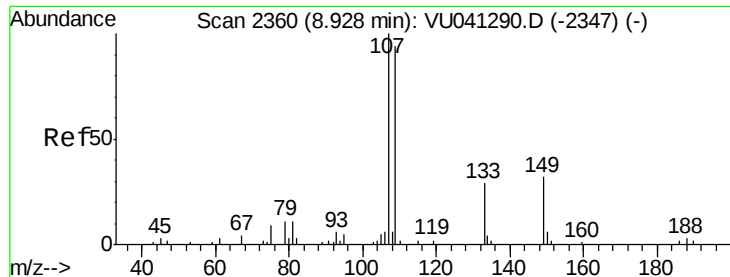
#49
Dibromochloromethane
Concen: 5.373 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041307.D
Acq: 18 Nov 2020 04:11

Tgt Ion:	129	Resp:	21973
Ion	Ratio	Lower	Upper
129	100		
127	73.9	53.4	99.2



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

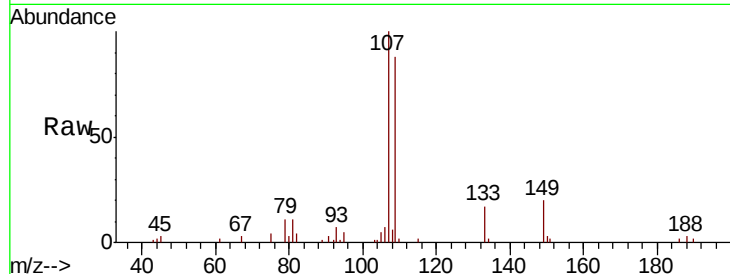




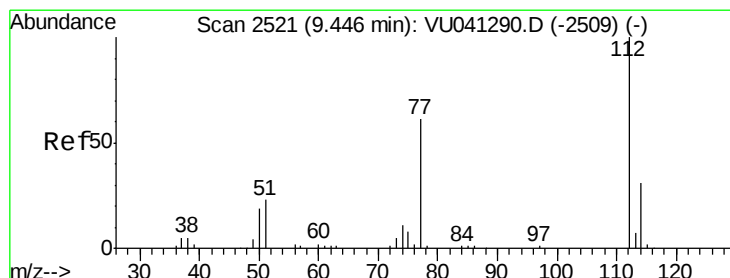
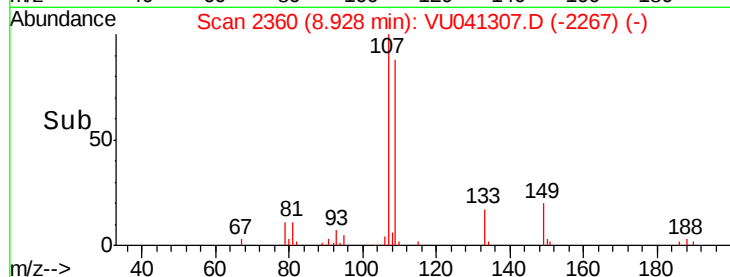
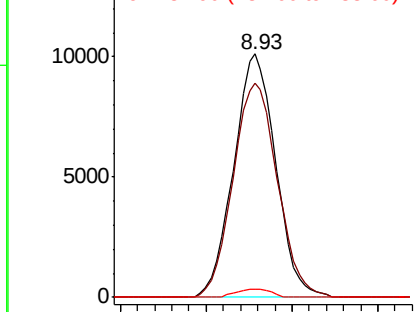
#50
 1,2-Dibromoethane
 Concen: 5.345 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00526

Tot Ion:107 Resp: 17112
 Ion Ratio Lower Upper
 107 100
 109 87.9 65.6 121.8
 188 3.4 2.9 4.3

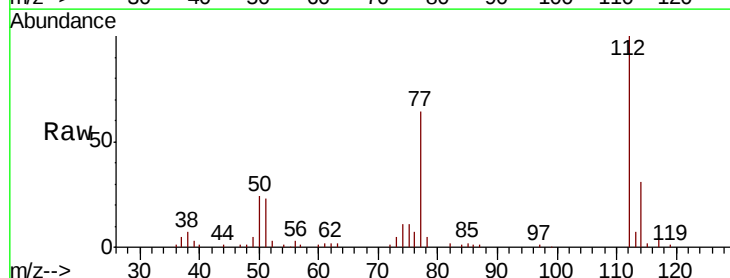


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

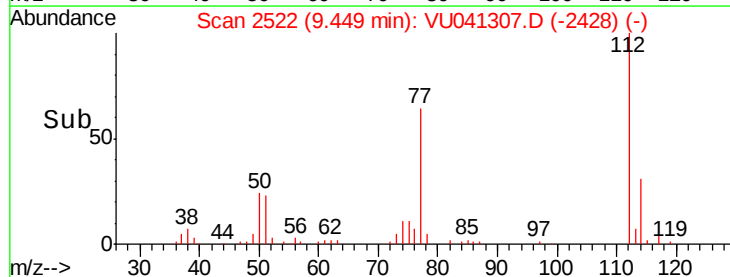
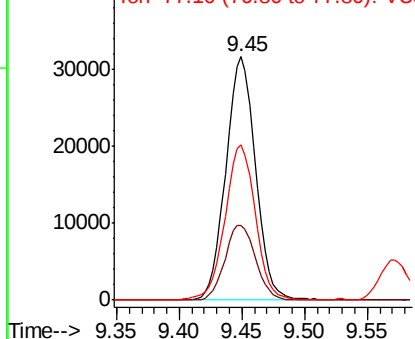


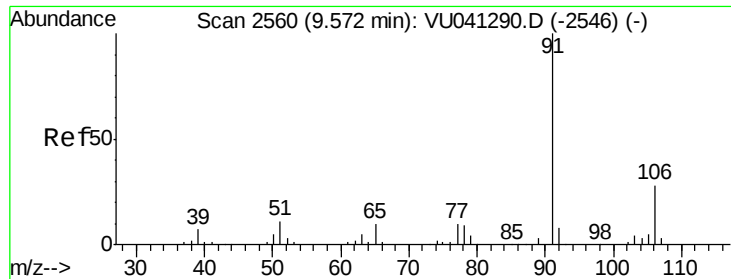
#51
 Chlorobenzene
 Concen: 4.806 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

Tgt Ion:112 Resp: 51936
 Ion Ratio Lower Upper
 112 100
 114 30.7 22.4 41.6
 77 63.8 51.2 76.8



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: 4.729 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampleId :

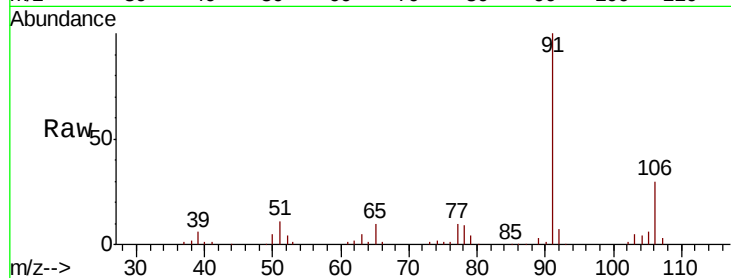
VSTD00526

Tot Ion: 91 Resp: 82397

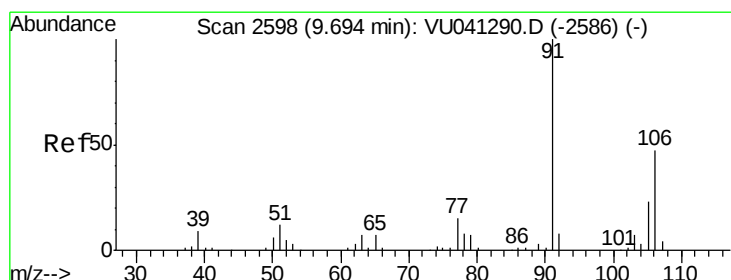
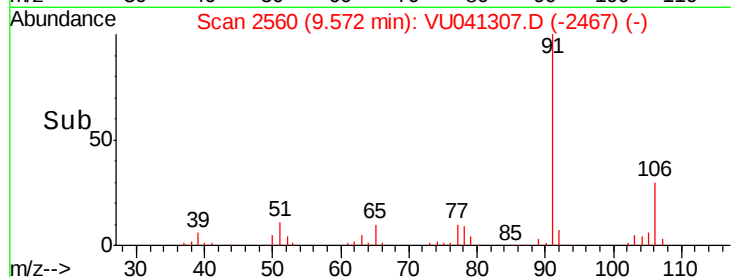
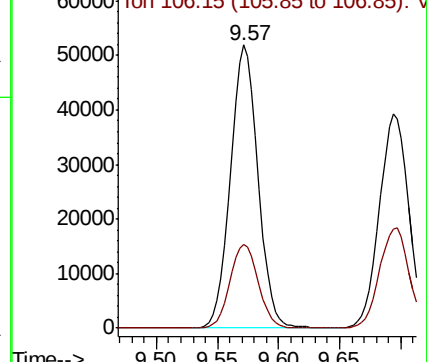
Ion Ratio Lower Upper

91 100

106 29.8 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041290.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.900 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU041307.D

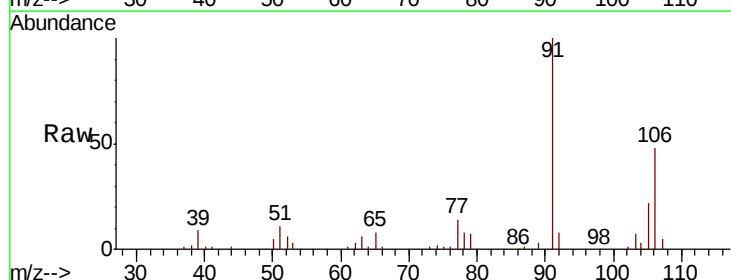
Acq: 18 Nov 2020 04:11

Tgt Ion: 106 Resp: 30852

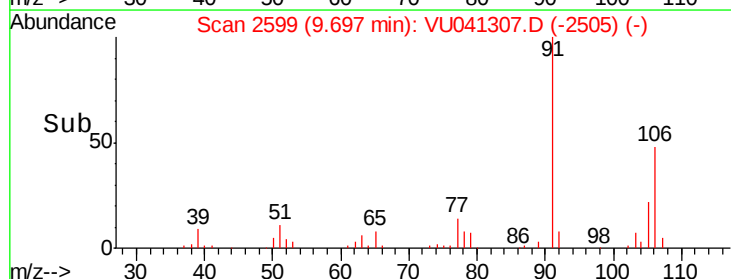
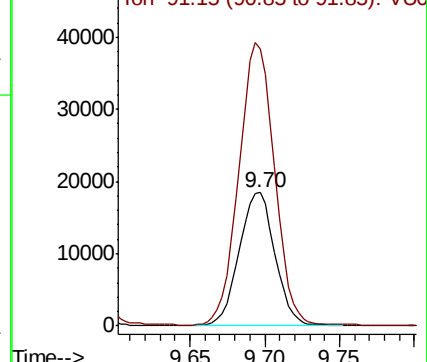
Ion Ratio Lower Upper

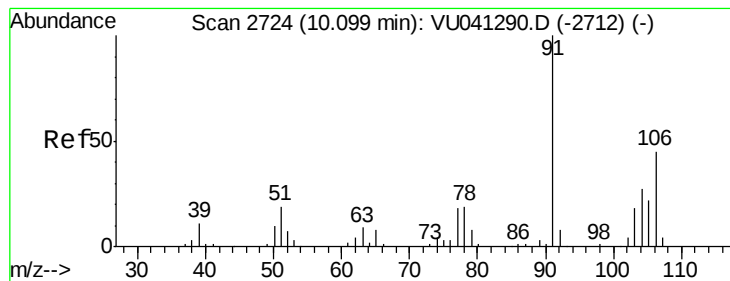
106 100

91 207.5 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041290.D (-2586) (-)





#54

o-Xylene

Concen: 4.924 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampleId :

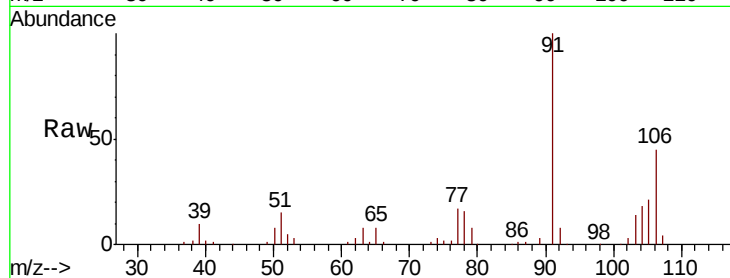
VSTD00526

Tot Ion:106 Resp: 29869

Ion Ratio Lower Upper

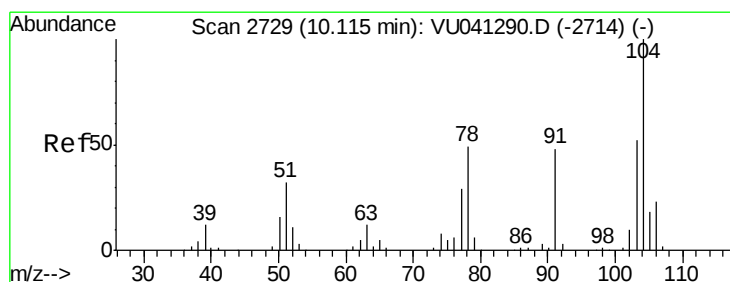
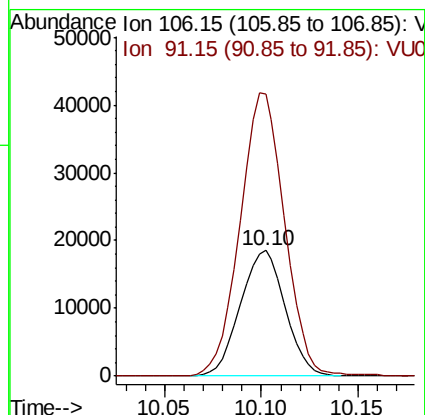
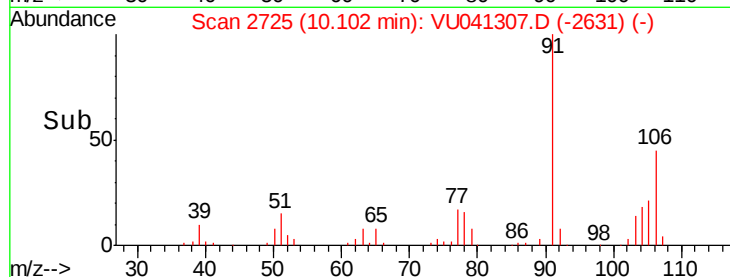
106 100

91 224.7 154.3 286.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 2.090 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU041307.D

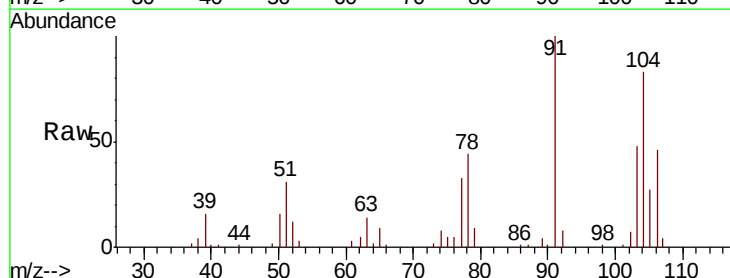
Acq: 18 Nov 2020 04:11

Tgt Ion:104 Resp: 22444

Ion Ratio Lower Upper

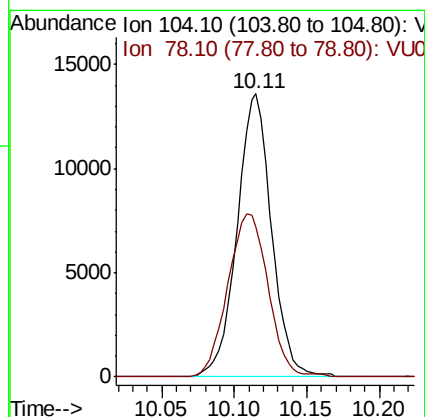
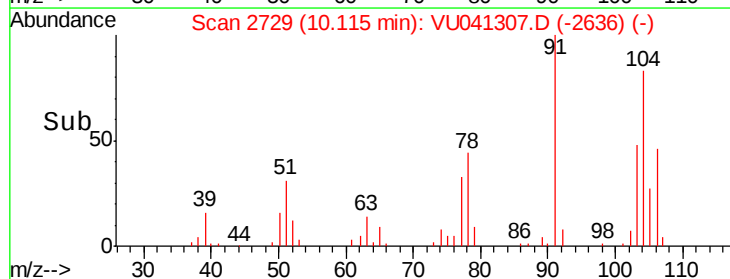
104 100

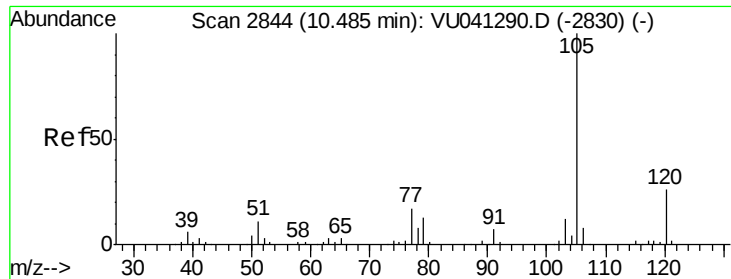
78 52.9 35.5 65.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.725 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

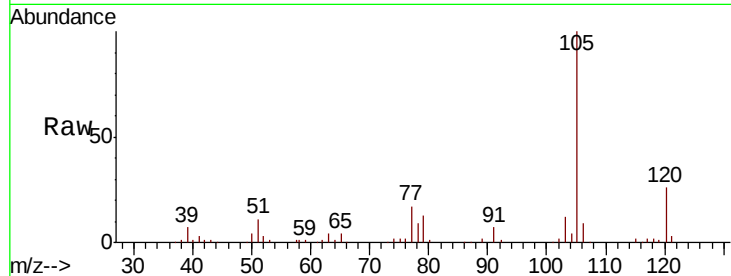
Tot Ion:105 Resp: 75920

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

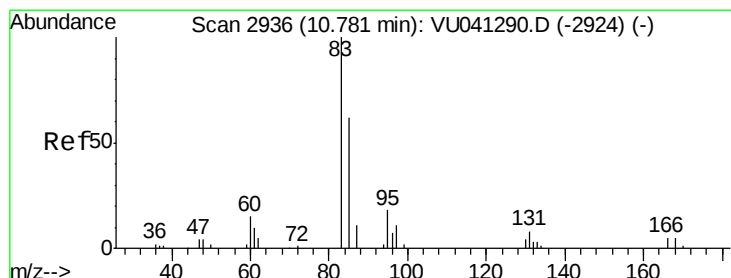
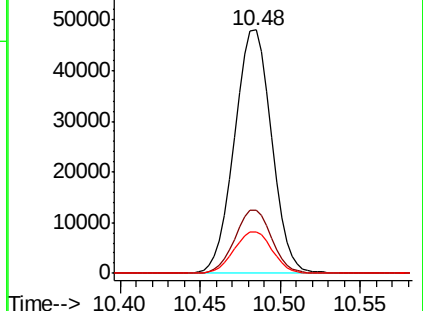
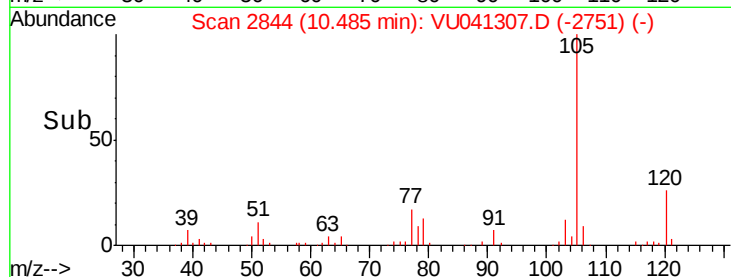
77 17.4 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.391 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

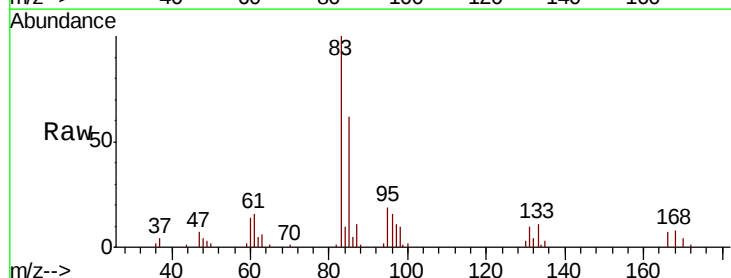
Tgt Ion: 83 Resp: 24321

Ion Ratio Lower Upper

83 100

85 62.3 44.4 82.4

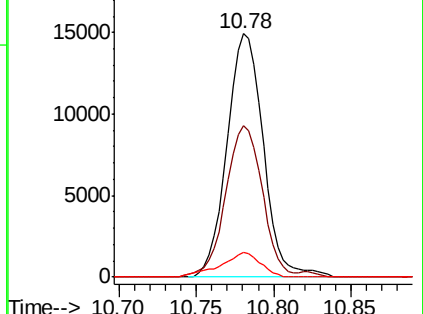
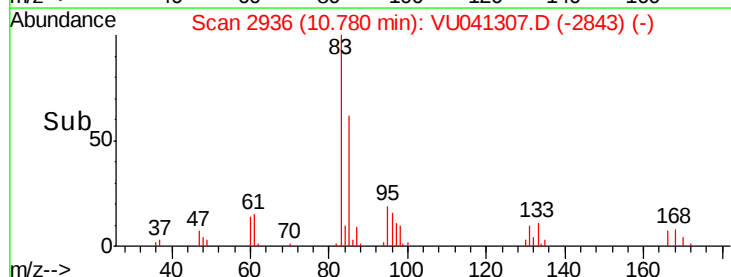
131 10.1 7.7 11.5

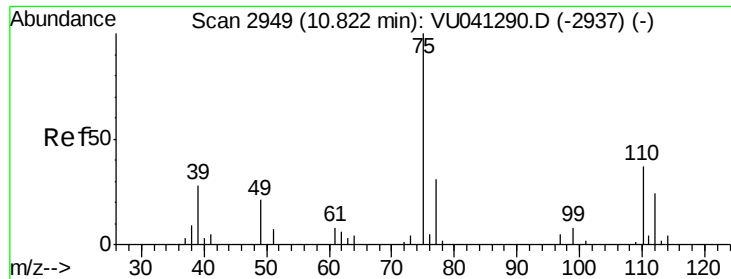


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.562 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampleId :

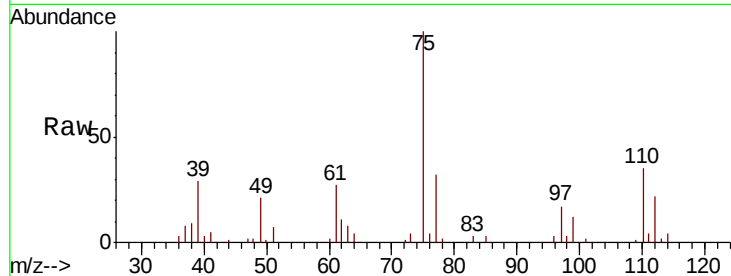
VSTD00526

Tot Ion: 75 Resp: 19574

Ion Ratio Lower Upper

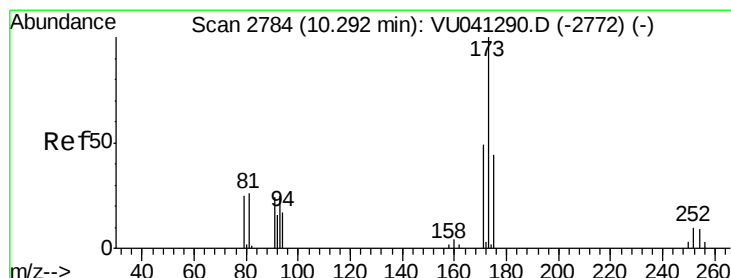
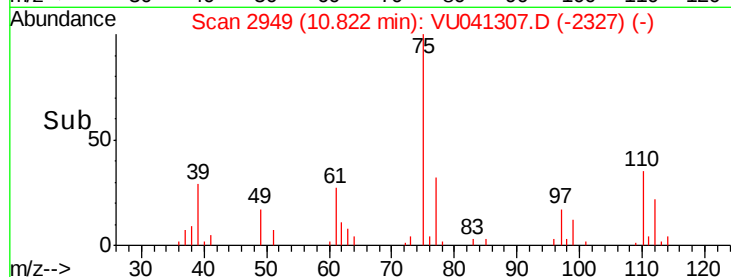
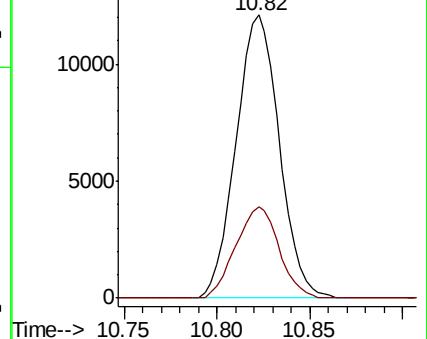
75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041290.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041290.D (-2937) (-)



#61

Bromoform

Concen: 5.395 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

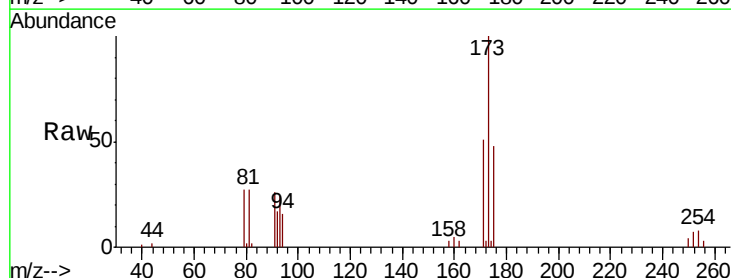
Tgt Ion: 173 Resp: 13388

Ion Ratio Lower Upper

173 100

175 46.8 37.6 56.4

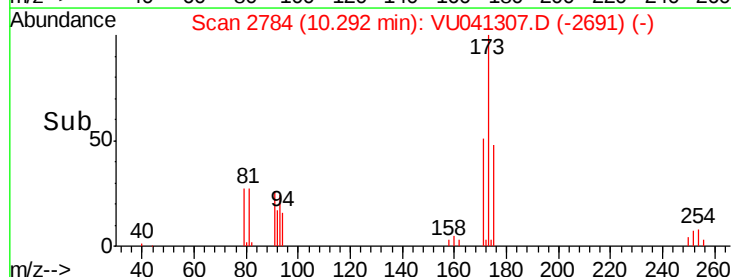
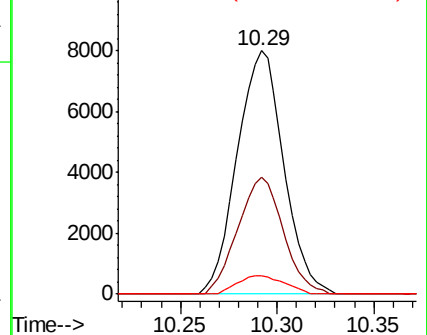
254 7.7 6.6 9.8

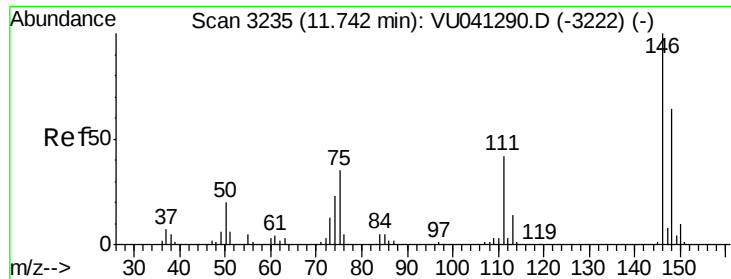


Abundance Ion 172.90 (172.60 to 173.60): VU041290.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041290.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041290.D (-2772) (-)

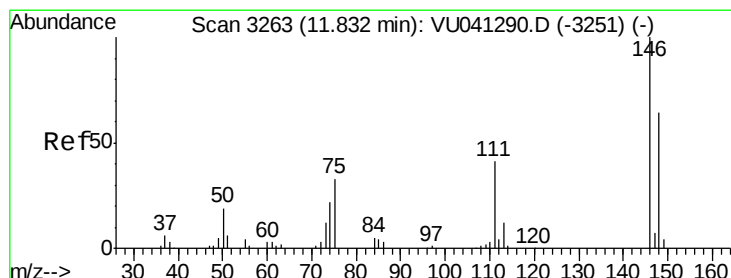
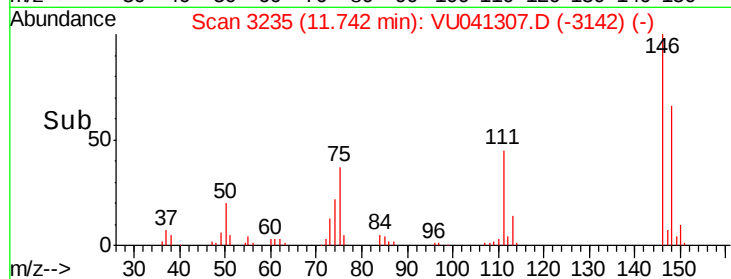
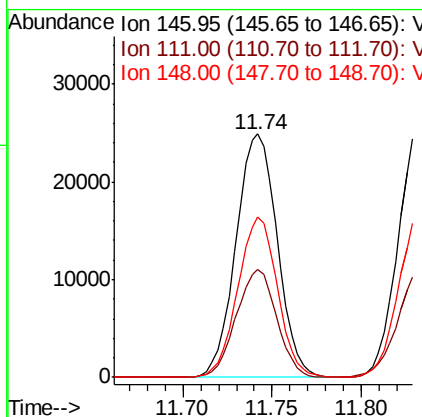
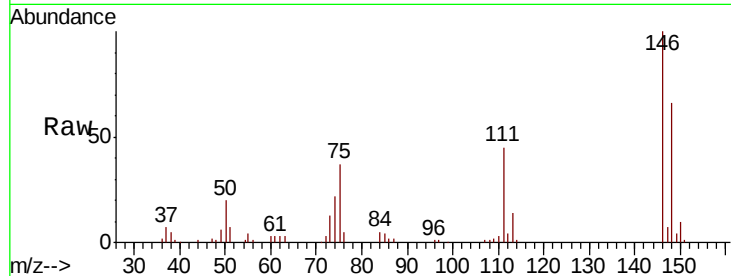




#62
 1,3-Dichlorobenzene
 Concen: 4.917 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

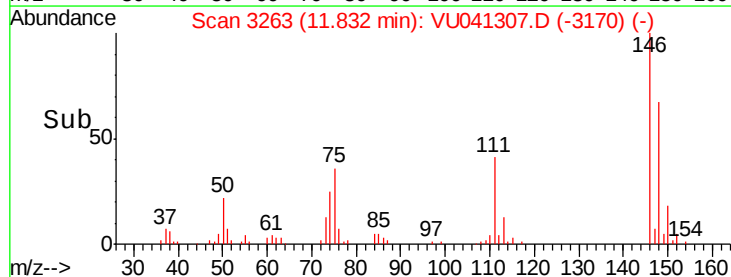
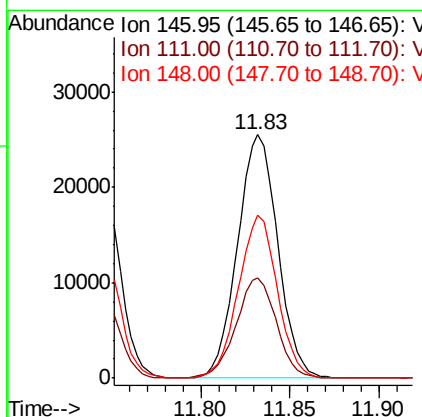
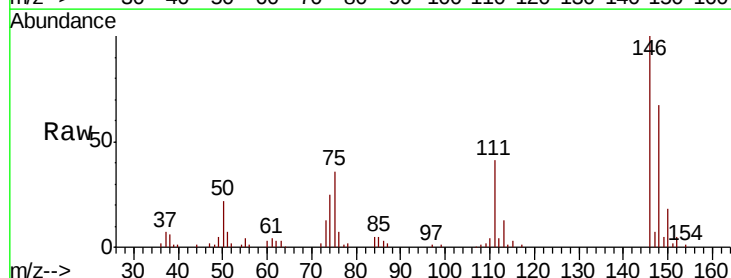
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

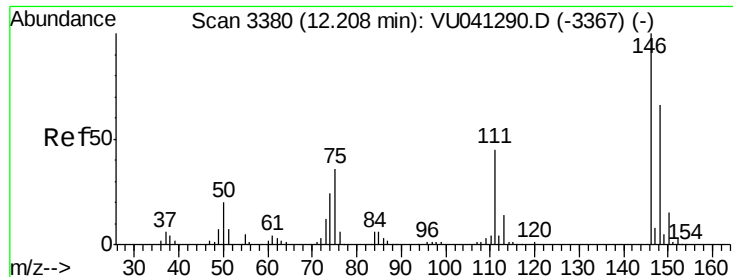
Tot Ion:146 Resp: 40094
 Ion Ratio Lower Upper
 146 100
 111 44.5 30.9 57.3
 148 65.7 45.8 85.2



#63
 1,4-Dichlorobenzene
 Concen: 4.763 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

Tgt Ion:146 Resp: 40023
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.3 52.7
 148 66.8 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 4.972 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

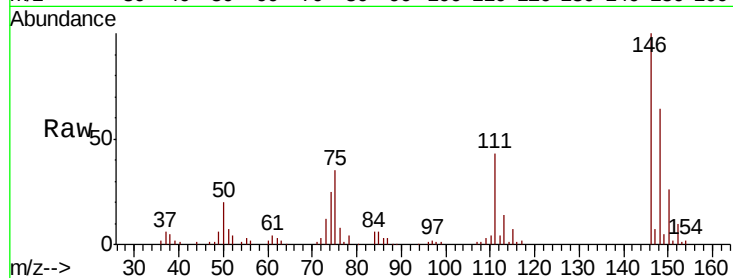
Tot Ion:146 Resp: 40330

Ion Ratio Lower Upper

146 100

111 43.2 35.0 52.6

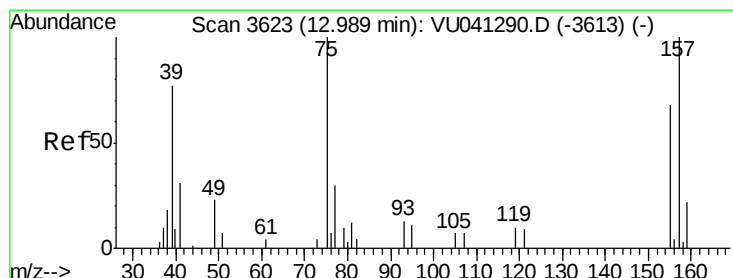
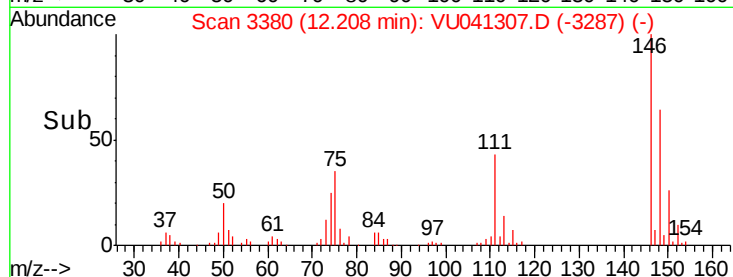
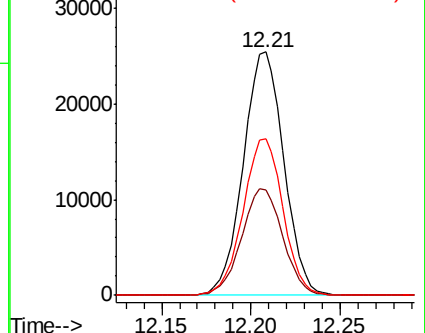
148 64.4 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.718 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

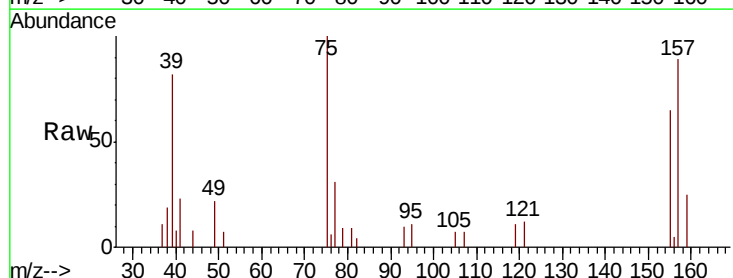
Tgt Ion: 75 Resp: 4306

Ion Ratio Lower Upper

75 100

155 65.0 61.4 92.2

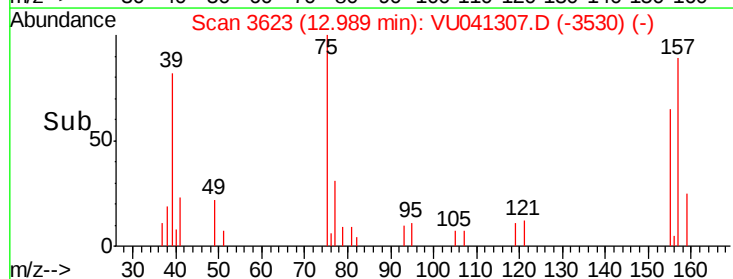
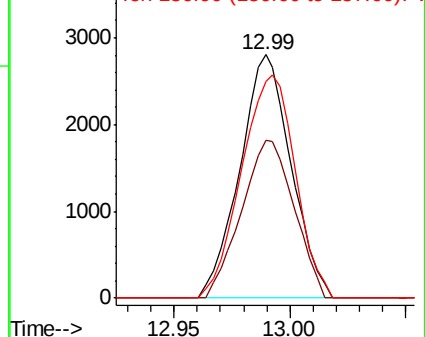
157 88.8 74.2 111.4

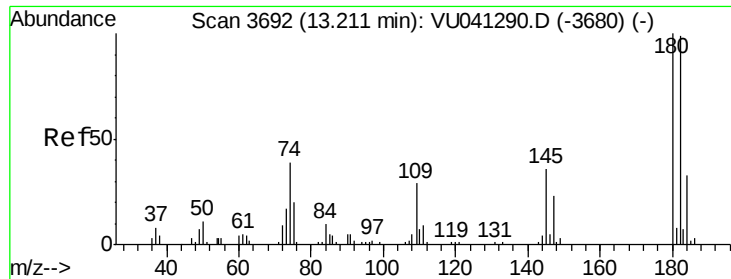


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

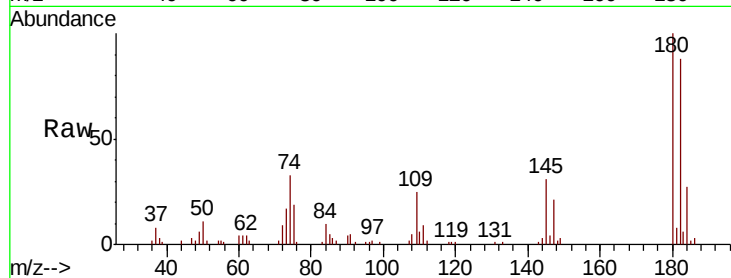




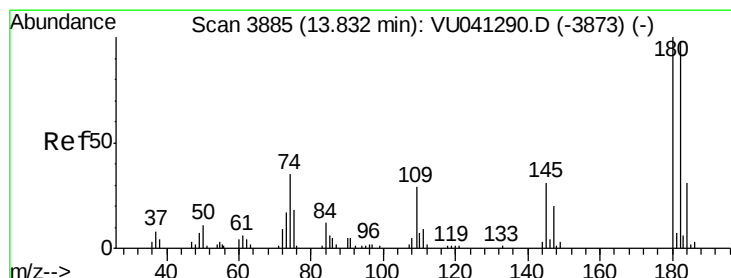
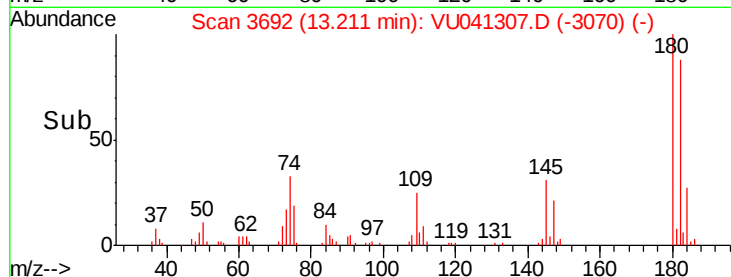
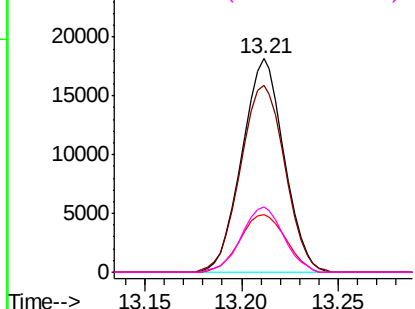
#67
 1,3,5-Trichlorobenzene
 Concen: 4.733 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion:180 Resp: 27492
 Ion Ratio Lower Upper
 180 100
 182 92.7 75.7 113.5
 184 29.3 23.7 35.5
 145 30.9 26.1 39.1

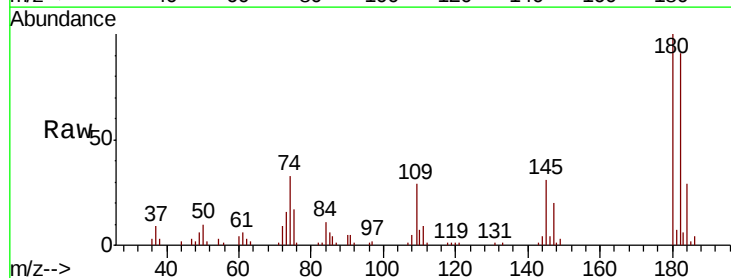


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

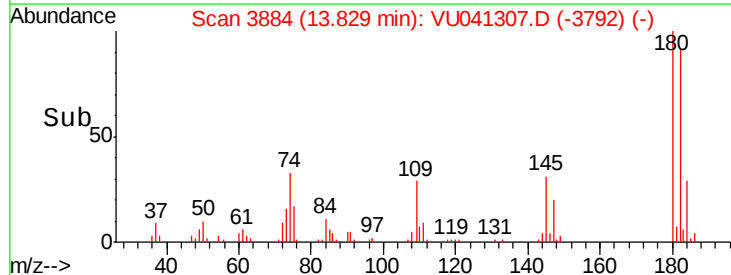
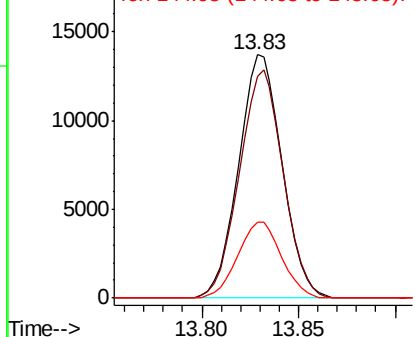


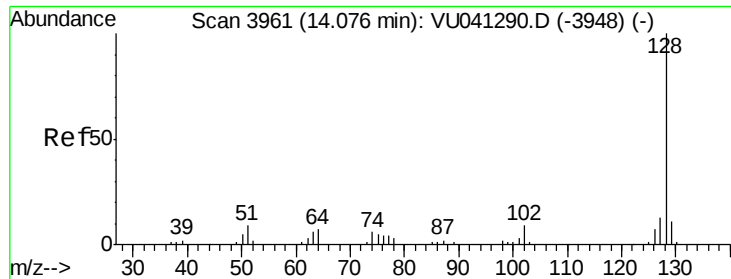
#68
 1,2,4-trichlorobenzene
 Concen: 4.437 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041307.D
 Acq: 18 Nov 2020 04:11

Tgt Ion:180 Resp: 21405
 Ion Ratio Lower Upper
 180 100
 182 94.4 73.5 110.3
 145 31.4 26.6 40.0



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





#69

Naphthalene

Concen: 4.797 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

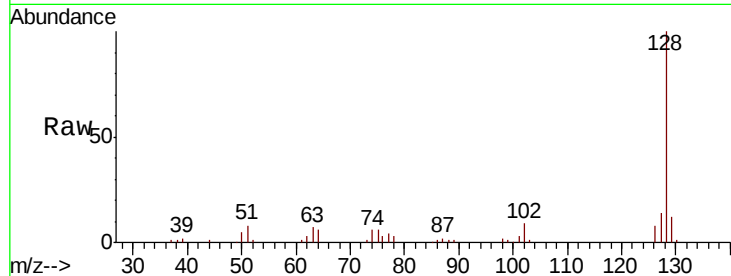
Tot Ion:128 Resp: 37473

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

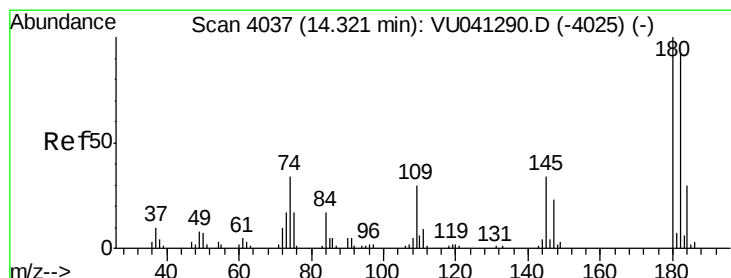
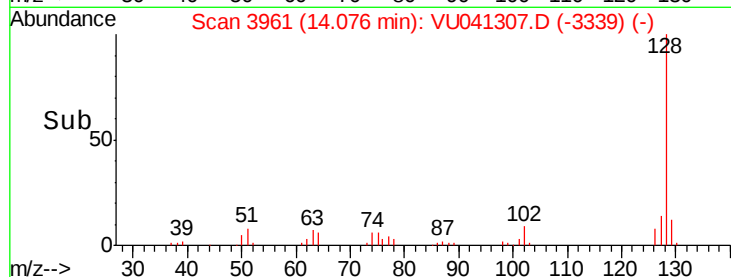
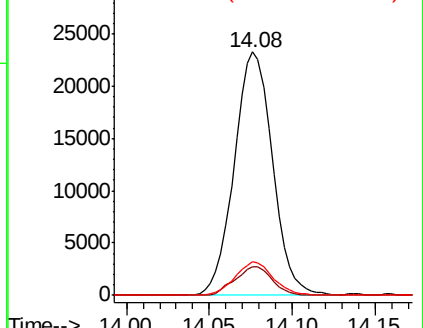
127 13.5 10.8 16.2



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: 4.687 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041307.D

Acq: 18 Nov 2020 04:11

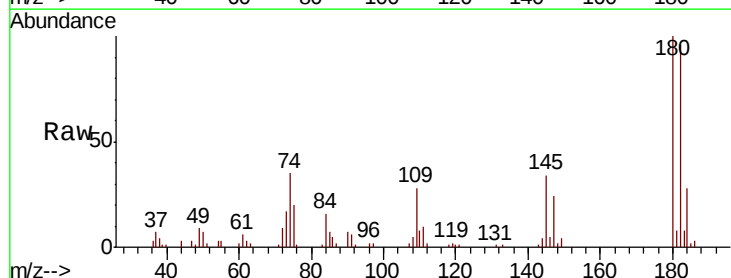
Tgt Ion:180 Resp: 20998

Ion Ratio Lower Upper

180 100

182 96.2 77.7 116.5

145 34.6 29.4 44.0



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

