

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
 Data File : VU041199.D
 Acq On : 11 Nov 2020 13:42
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Quant Time: Nov 11 14:11:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 11 13:19:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	60154	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	62471	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28144	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	21517	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.92	69	20039	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.58	63	48724	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.40%
20) 2-Butanone-d5	4.65	46	84739	50.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.84%
24) Chloroform-d	5.08	84	46430	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.72	65	28810	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.74	84	81266	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.70	67	31762	5.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.80%
41) Toluene-d8	7.90	98	87305	5.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.40%
43) trans-1,3-Dichloropropene-	8.18	79	13194	5.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.80%
46) 2-Hexanone-d5	8.64	63	67027	52.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	21461	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	27490	5.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	24244	4.415 ug/L	97
3) Chloromethane	1.53	50	23104	4.035 ug/L	97
5) Vinyl chloride	1.61	62	24857	4.400 ug/L	100
6) Bromomethane	1.87	94	15038	4.644 ug/L	89
8) Chloroethane	1.94	64	16201	4.526 ug/L	99
9) Trichlorofluoromethane	2.15	101	39438	5.136 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	24811	5.513 ug/L	99
12) 1,1-Dichloroethene	2.59	96	20514	4.828 ug/L	95
13) Acetone	2.66	43	58421	51.347 ug/L #	56
14) Carbon disulfide	2.81	76	59916	4.220 ug/L	99
15) Methyl Acetate	2.97	43	13252	5.090 ug/L	98
16) Methylene chloride	3.06	84	25107	5.071 ug/L	98
17) Methyl tert-butyl Ether	3.38	73	55851	5.107 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	21550	4.990 ug/L	95
19) 1,1-Dichloroethane	3.89	63	41061	4.756 ug/L	98
21) 2-Butanone	4.73	43	87650	49.290 ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	22285	5.003 ug/L	95

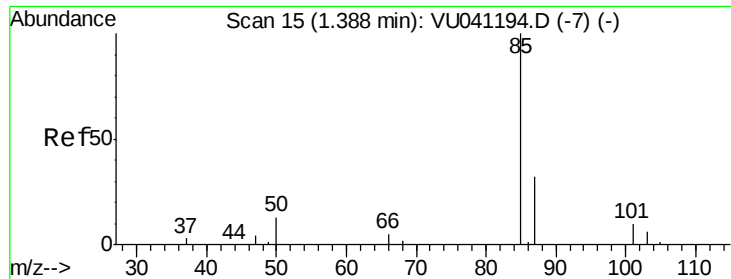
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	11140	5.301	ug/L	93
25) Chloroform	5.10	83	44828	5.178	ug/L	97
27) 1,2-Dichloroethane	5.81	62	32554	5.049	ug/L	95
29) 1,1,1-Trichloroethane	5.33	97	35506	4.647	ug/L	97
30) Cyclohexane	5.40	56	27348	3.633	ug/L	95
31) Carbon tetrachloride	5.54	117	32839	4.854	ug/L	99
33) Benzene	5.79	78	85032	4.555	ug/L	100
34) Trichloroethene	6.55	95	25952	5.463	ug/L	97
35) Methylcyclohexane	6.77	83	34366	4.850	ug/L	98
37) 1,2-Dichloropropane	6.80	63	28363	5.616	ug/L	98
38) Bromodichloromethane	7.11	83	35469	5.414	ug/L	100
39) cis-1,3-Dichloropropene	7.61	75	34986	5.031	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	212321	52.722	ug/L	99
42) Toluene	7.97	91	104157	5.503	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	35636	5.476	ug/L	95
45) 1,1,2-Trichloroethane	8.40	97	20313	5.403	ug/L	98
47) Tetrachloroethene	8.56	164	18466	5.287	ug/L	96
48) 2-Hexanone	8.69	43	166544	54.923	ug/L	98
49) Dibromochloromethane	8.81	129	24586	5.631	ug/L	98
50) 1,2-Dibromoethane	8.93	107	18698	5.219	ug/L	97
51) Chlorobenzene	9.45	112	62838	5.235	ug/L	98
52) Ethylbenzene	9.57	91	102545	5.147	ug/L	100
53) m,p-Xylene	9.69	106	36038	4.960	ug/L	99
54) o-Xylene	10.10	106	32204	4.759	ug/L	99
55) Styrene	10.11	104	56237	4.664	ug/L	95
56) Isopropylbenzene	10.48	105	88921	4.887	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	21136	4.280	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	17082	4.538	ug/L	98
61) Bromoform	10.29	173	12027	5.545	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	44923	5.530	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	45253	5.378	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	43169	5.385	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4083	5.196	ug/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	31370	5.521	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	26950	5.726	ug/L	98
69) Naphthalene	14.08	128	41927	4.982	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	25039	5.772	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.415 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

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Acq: 11 Nov 2020 13:42

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ClientSampleId :

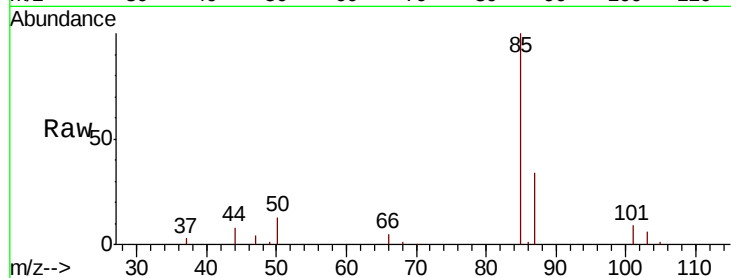
VSTD00527

Tot Ion: 85 Resp: 24244

Ion Ratio Lower Upper

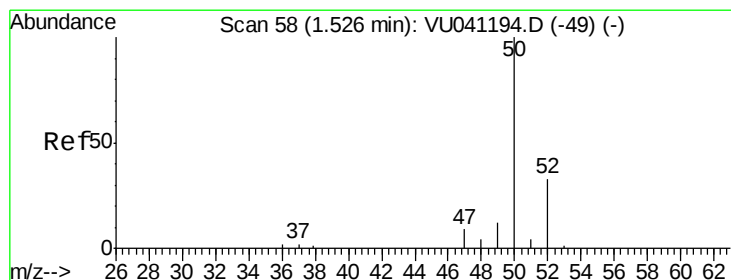
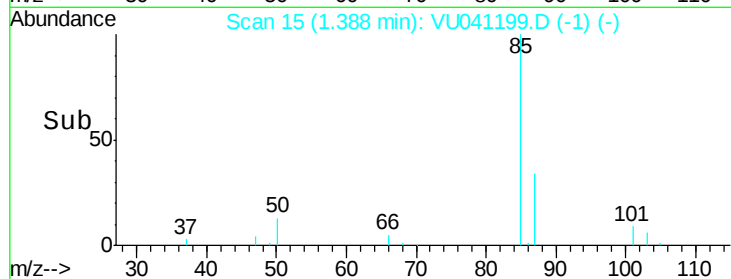
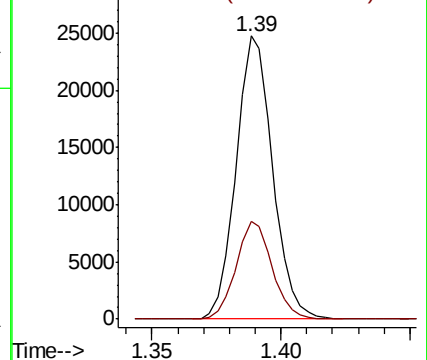
85 100

87 33.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.035 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041199.D

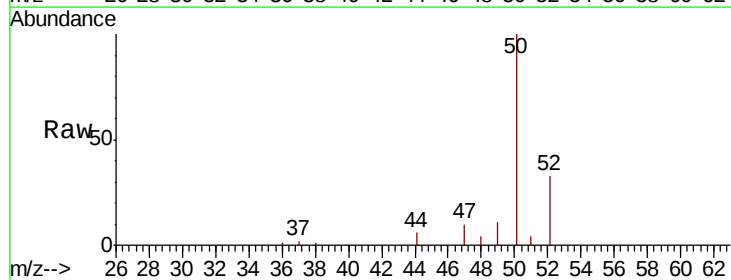
Acq: 11 Nov 2020 13:42

Tgt Ion: 50 Resp: 23104

Ion Ratio Lower Upper

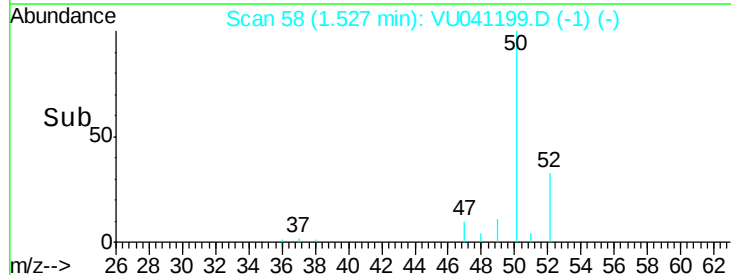
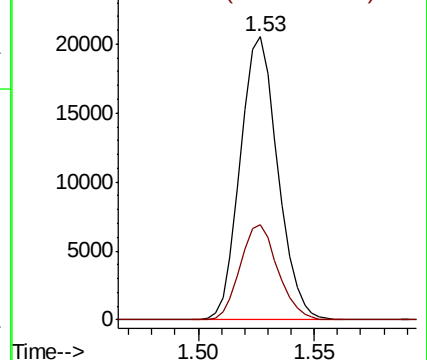
50 100

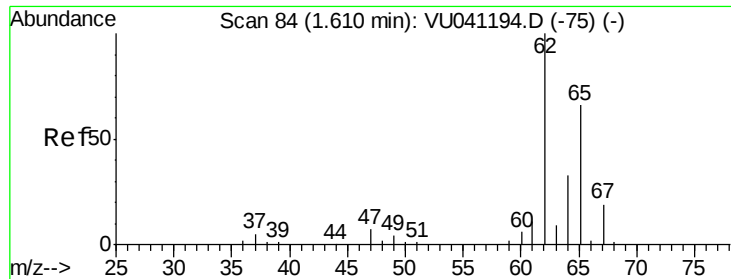
52 33.5 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.400 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

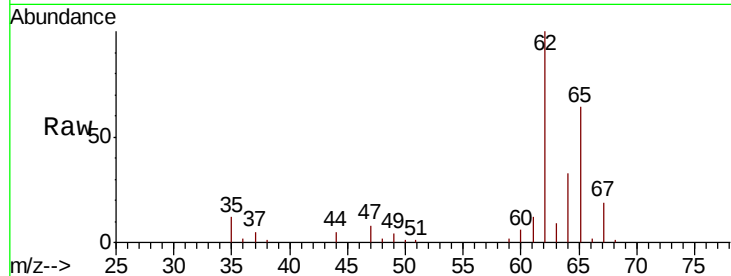
VSTD00527

Tot Ion: 62 Resp: 24857

Ion Ratio Lower Upper

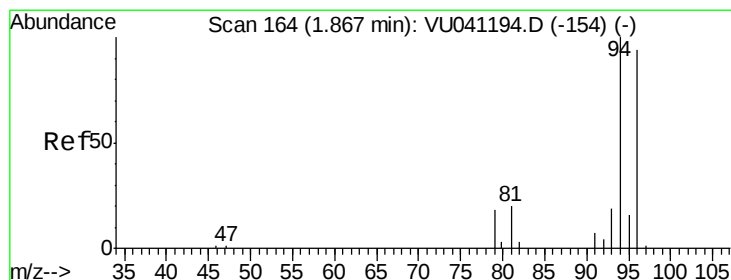
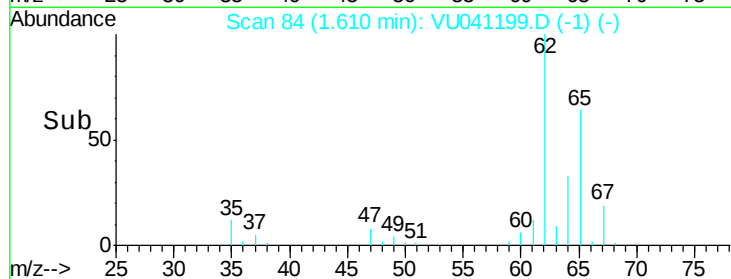
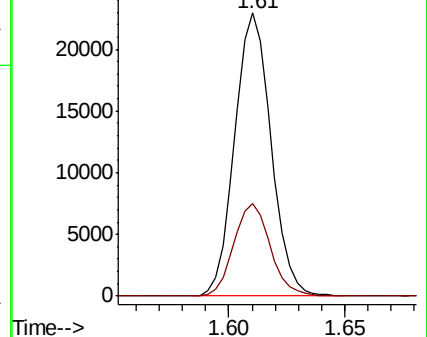
62 100

64 32.6 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU041199.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU041199.D (-75) (-)



#6

Bromomethane

Concen: 4.644 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041199.D

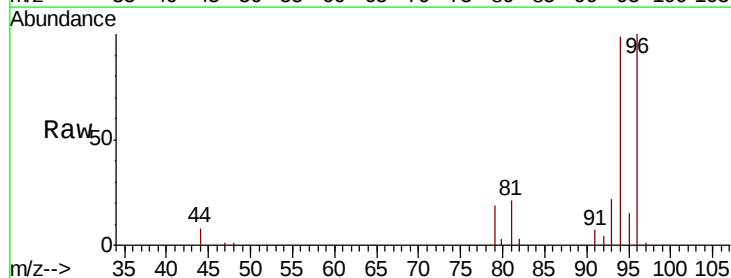
Acq: 11 Nov 2020 13:42

Tgt Ion: 94 Resp: 15038

Ion Ratio Lower Upper

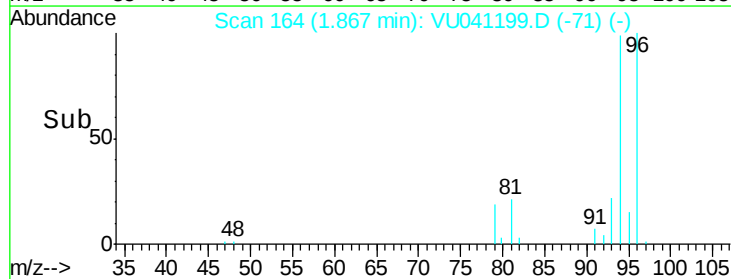
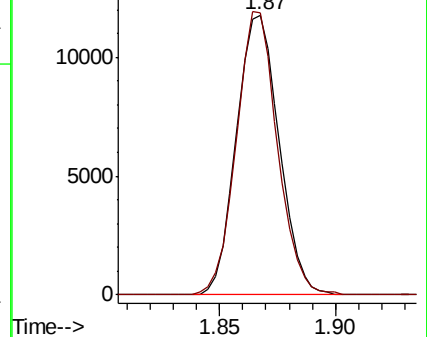
94 100

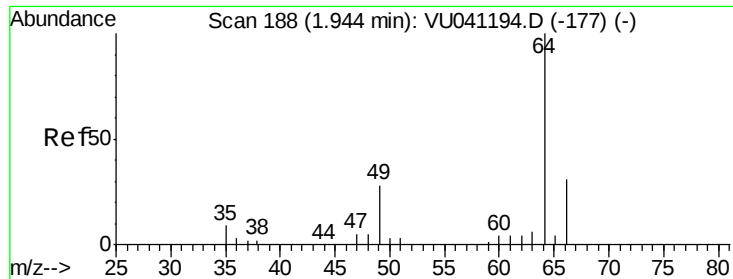
96 101.1 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU041199.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU041199.D (-154) (-)





#8

Chloroethane

Concen: 4.526 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

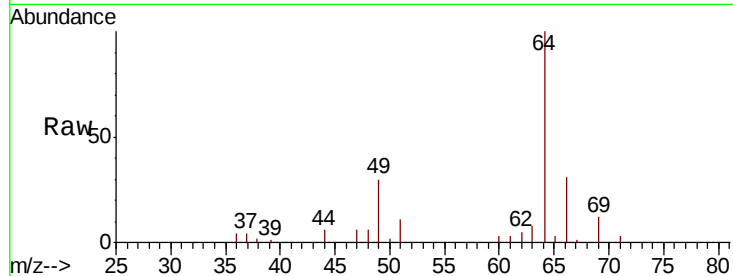
VSTD00527

Tot Ion: 64 Resp: 16201

Ion Ratio Lower Upper

64 100

66 31.3 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU041199.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU041199.D (-177) (-)

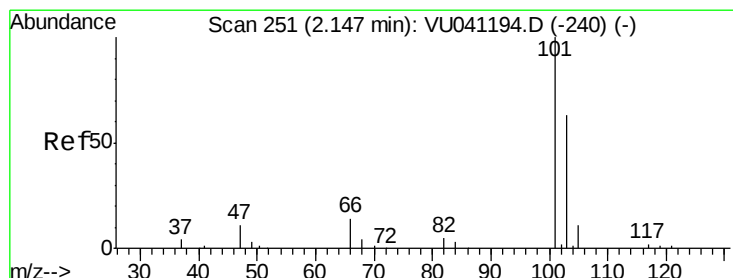
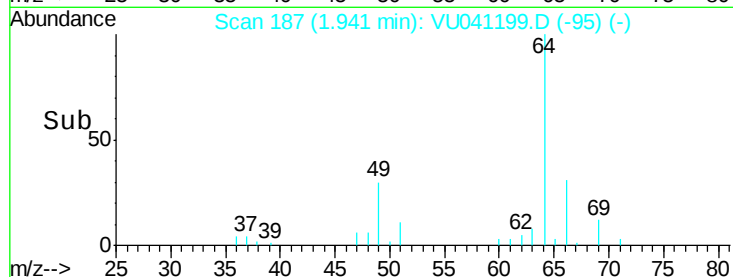
1.94

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.136 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041199.D

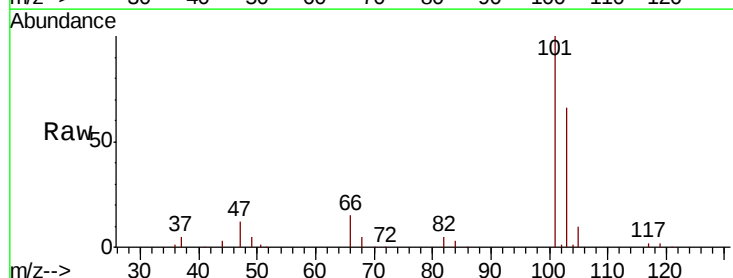
Acq: 11 Nov 2020 13:42

Tgt Ion: 101 Resp: 39438

Ion Ratio Lower Upper

101 100

103 66.2 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041199.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041199.D (-240) (-)

2.15

30000

25000

20000

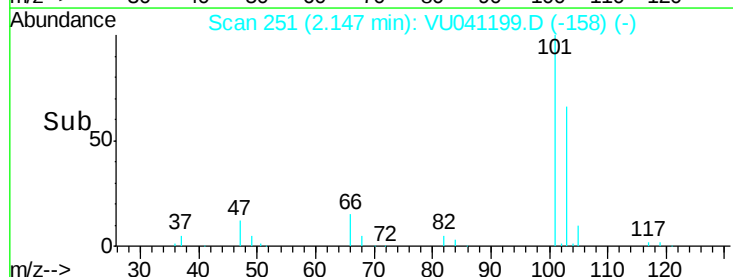
15000

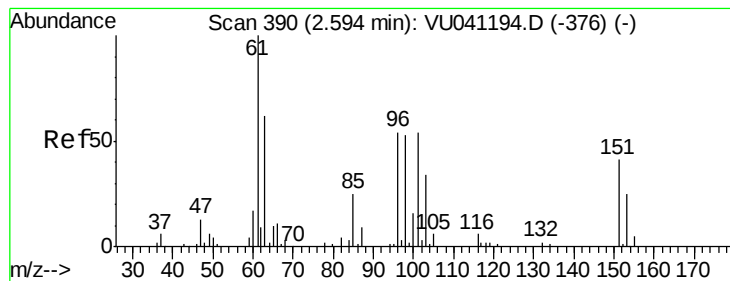
10000

5000

0

Time-->





#10

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

Concen: 5.513 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

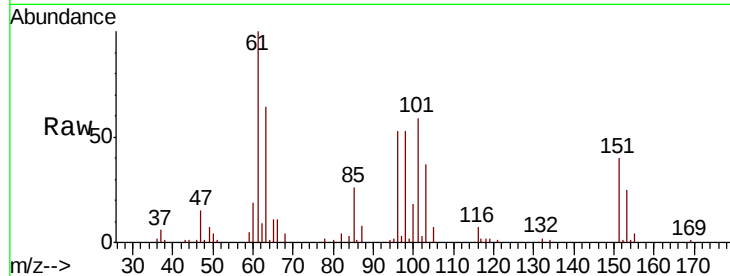
Tot Ion:101 Resp: 24811

Ion Ratio Lower Upper

101 100

85 44.8 35.0 52.4

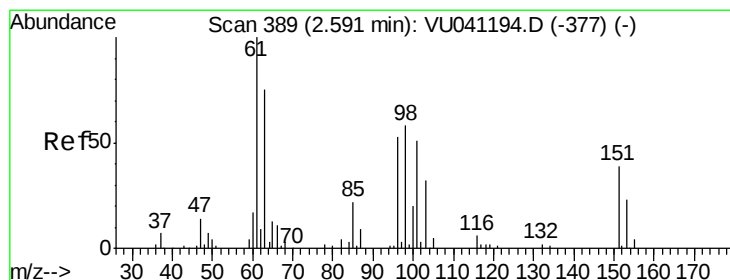
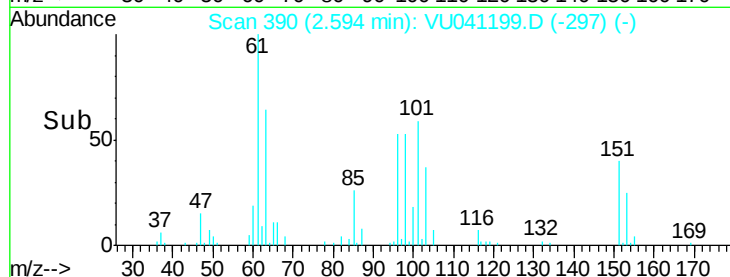
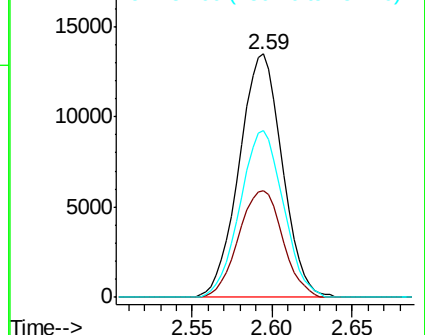
151 68.8 55.3 82.9



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: 4.828 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

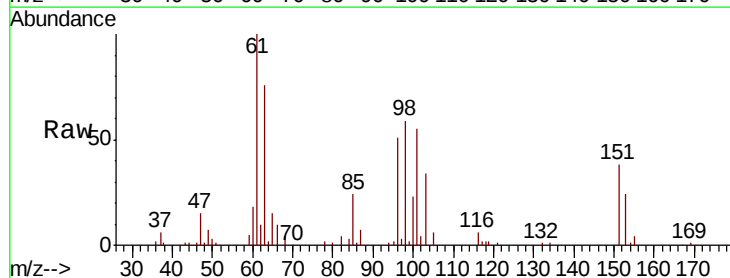
Tgt Ion: 96 Resp: 20514

Ion Ratio Lower Upper

96 100

61 194.4 134.3 249.5

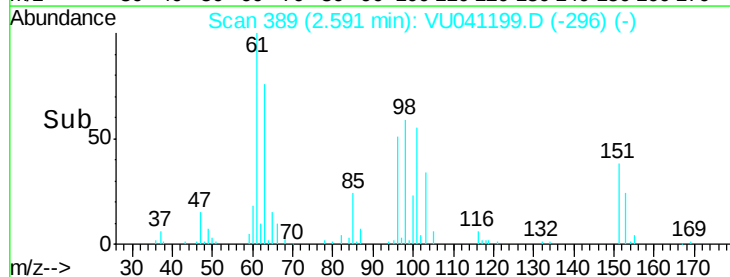
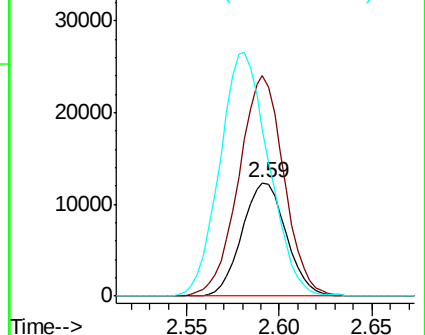
63 147.6 95.0 176.4

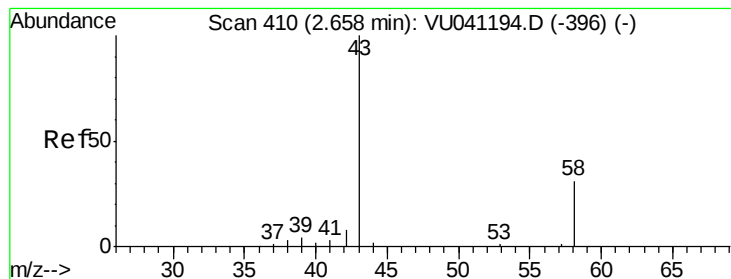


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.347 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

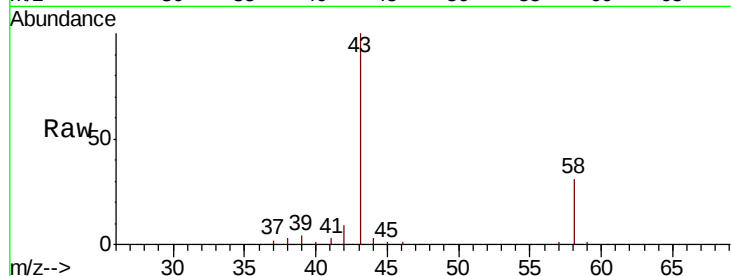
VSTD00527

Tot Ion: 43 Resp: 58421

Ion Ratio Lower Upper

43 100

58 30.0 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041199.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU041199.D (-396) (-)

2.66

15000

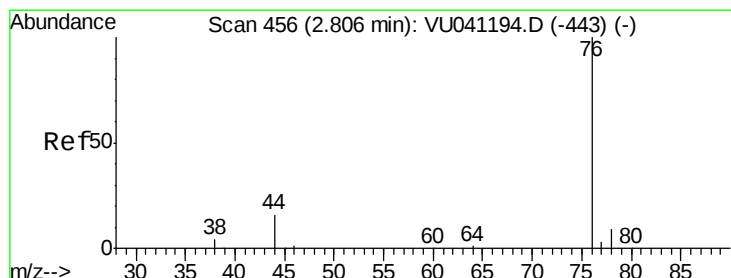
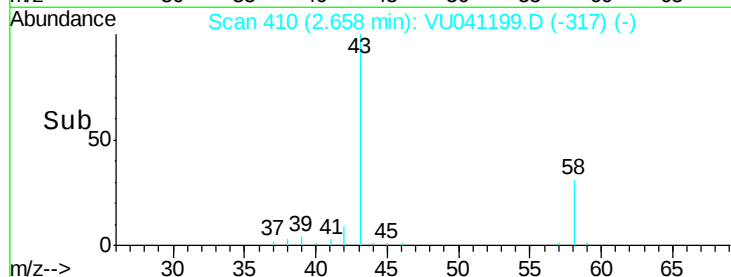
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5000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.220 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041199.D

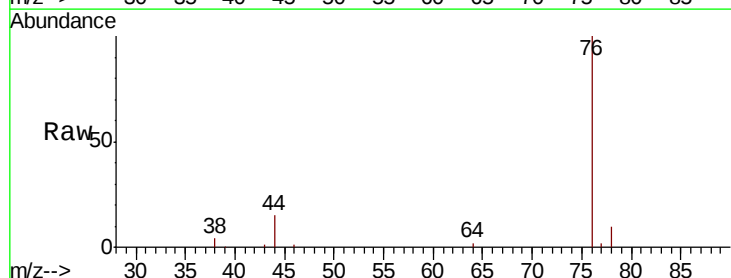
Acq: 11 Nov 2020 13:42

Tgt Ion: 76 Resp: 59916

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041199.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041199.D (-443) (-)

2.81

40000

30000

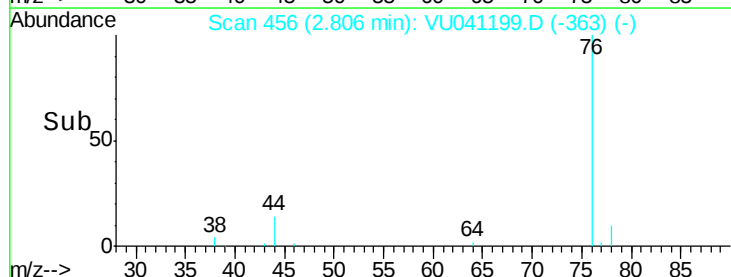
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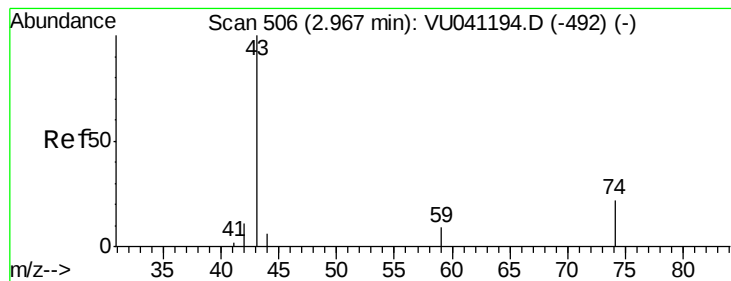
10000

0

Time-->

2.75 2.80 2.85 2.90





#15

Methvl Acetate

Concen: 5.090 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

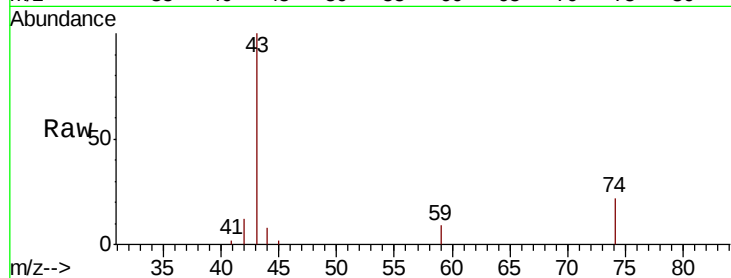
VSTD00527

Tot Ion: 43 Resp: 13252

Ion Ratio Lower Upper

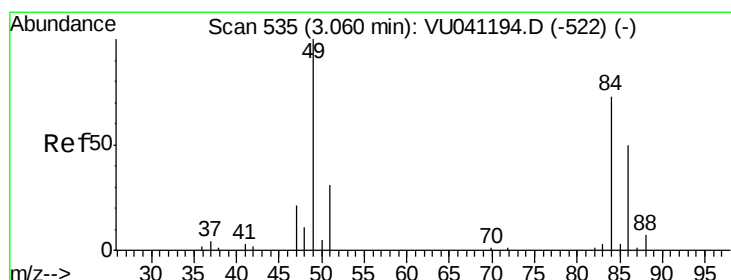
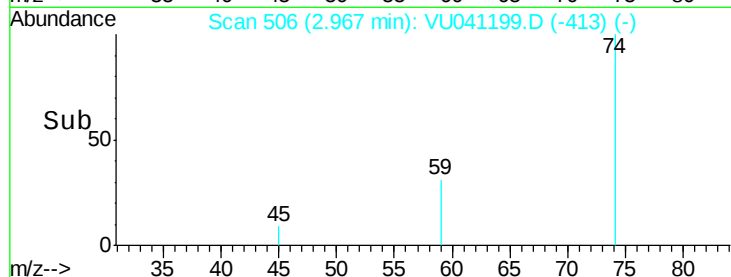
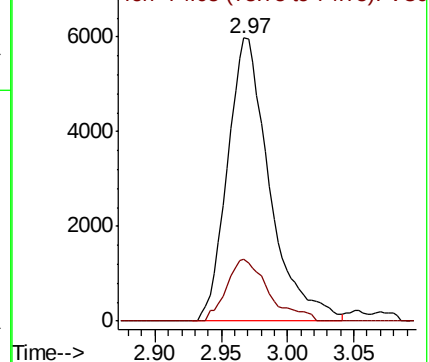
43 100

74 21.7 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: 5.071 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

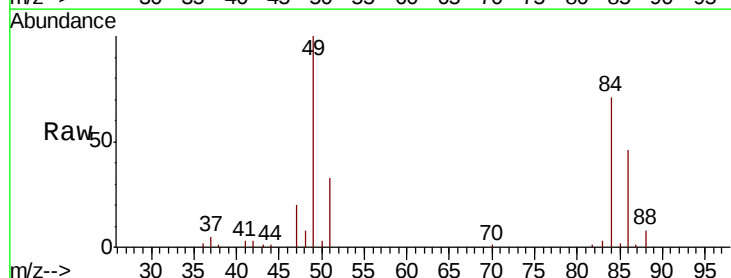
Tgt Ion: 84 Resp: 25107

Ion Ratio Lower Upper

84 100

86 64.2 42.8 79.6

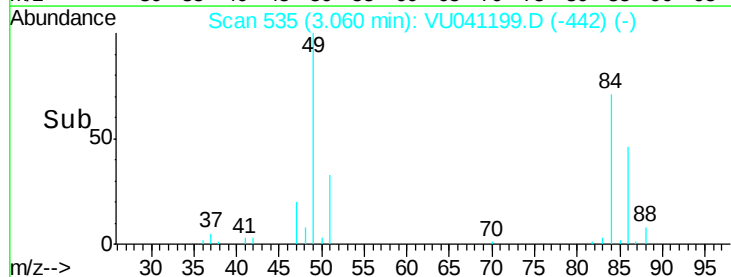
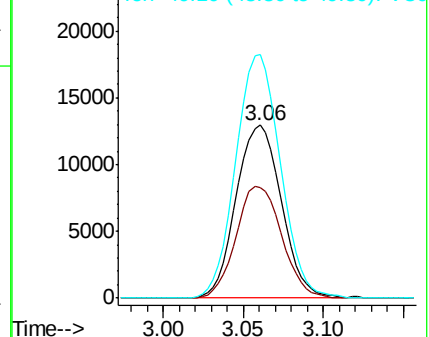
49 140.9 99.5 184.7

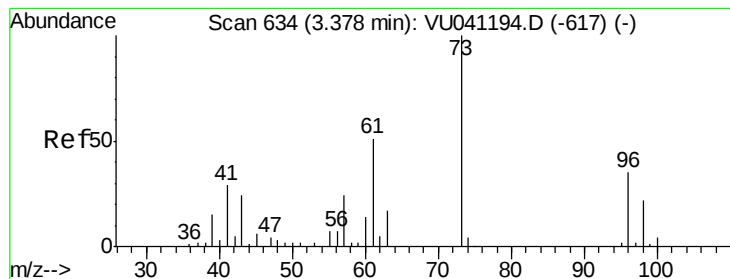


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



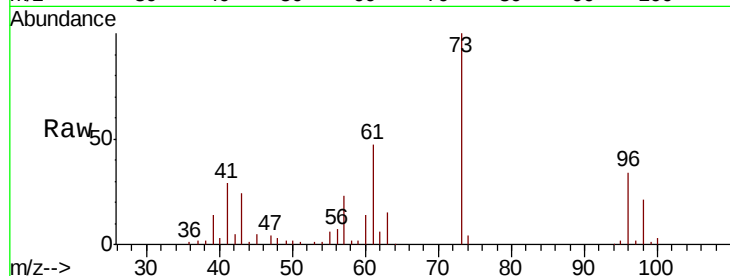


#17

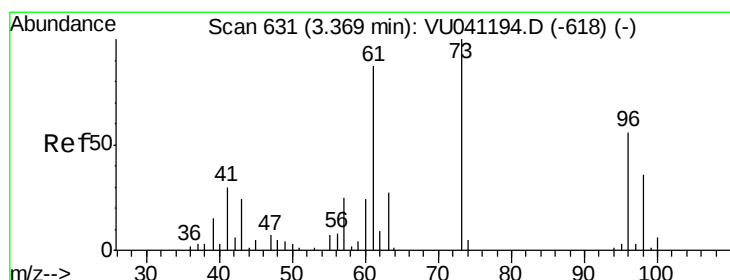
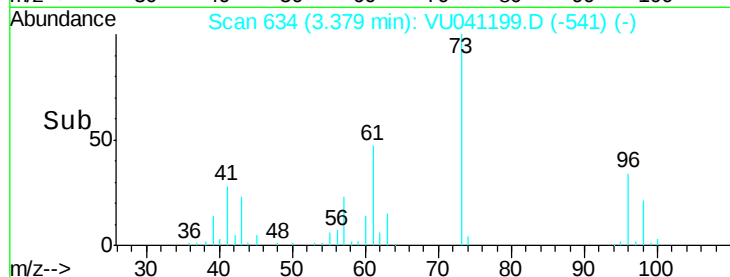
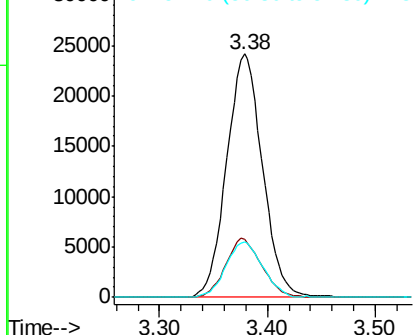
Methvl tert-butvl Ether
 Concen: 5.107 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU041199.D
 Acq: 11 Nov 2020 13:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion: 73 Resp: 55851
 Ion Ratio Lower Upper
 73 100
 43 24.1 18.5 27.7
 57 23.4 18.4 27.6



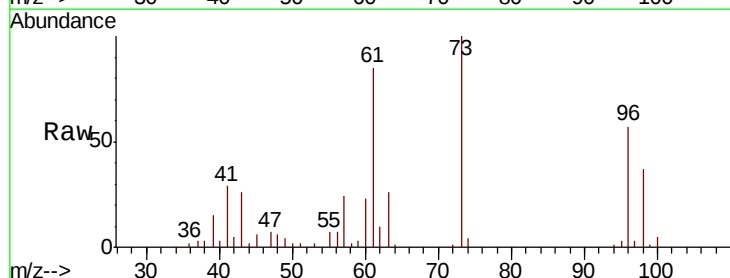
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



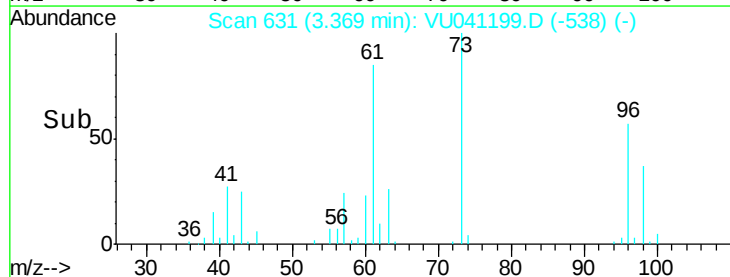
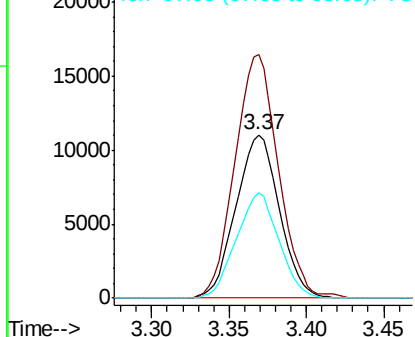
#18

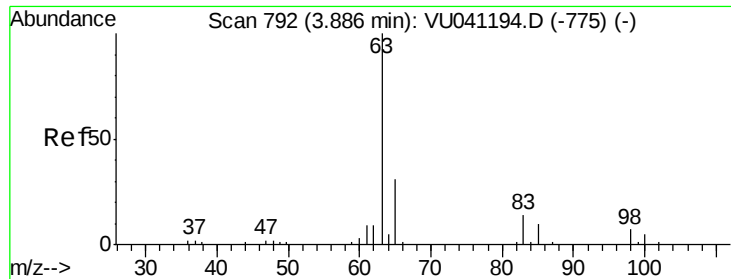
trans-1,2-Dichloroethene
 Concen: 4.990 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU041199.D
 Acq: 11 Nov 2020 13:42

Tgt Ion: 96 Resp: 21550
 Ion Ratio Lower Upper
 96 100
 61 149.1 110.9 205.9
 98 64.3 45.4 84.2



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

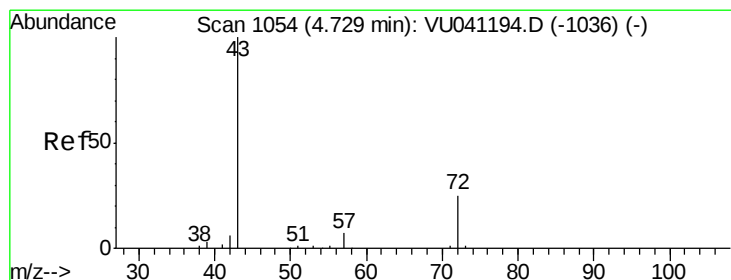
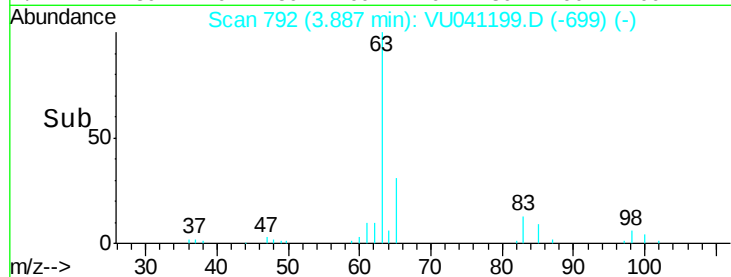
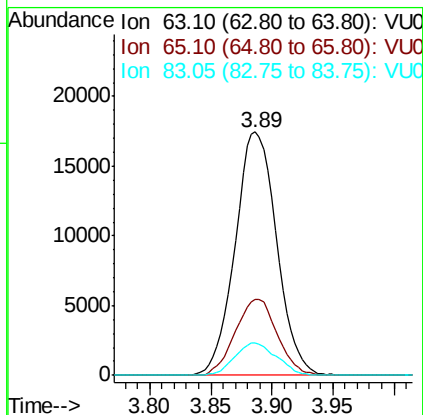
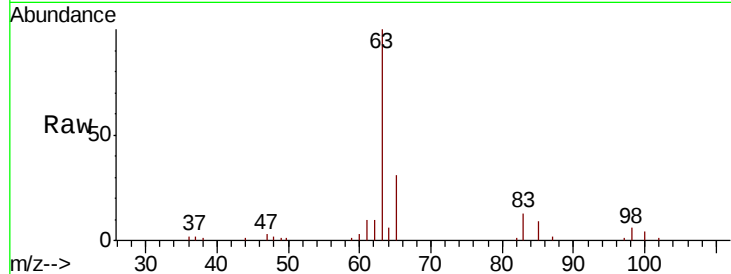




#19
 1,1-Dichloroethane
 Concen: 4.756 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041199.D
 Acq: 11 Nov 2020 13:42

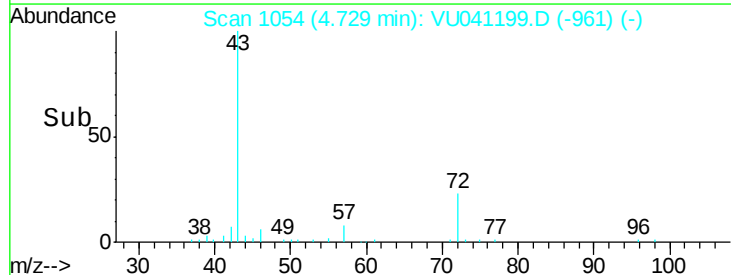
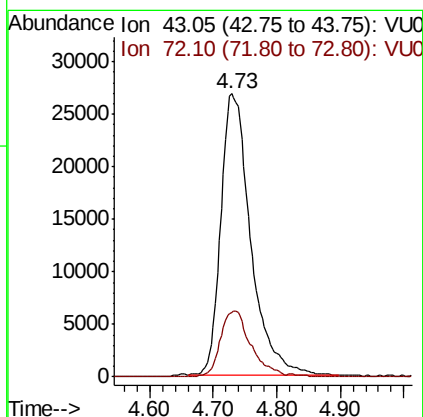
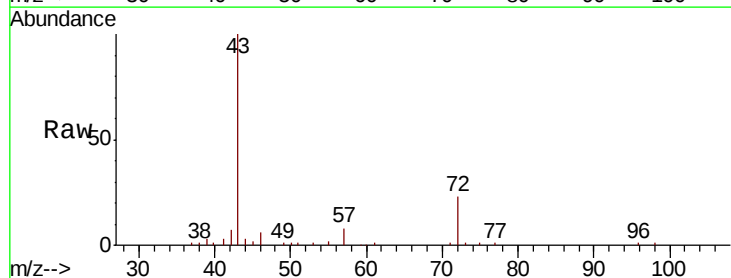
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

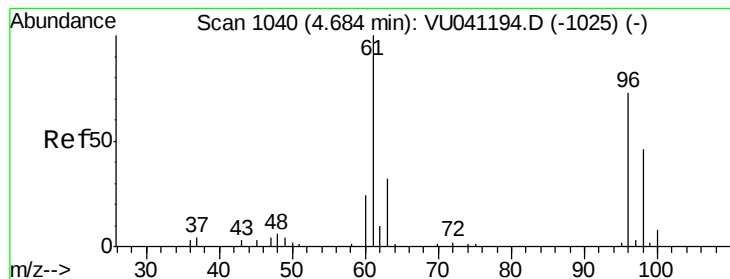
Tot Ion: 63 Resp: 41061
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.3 39.6
 83 13.4 8.8 16.3



#21
 2-Butanone
 Concen: 49.290 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VU041199.D
 Acq: 11 Nov 2020 13:42

Tgt Ion: 43 Resp: 87650
 Ion Ratio Lower Upper
 43 100
 72 23.7 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 5.003 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

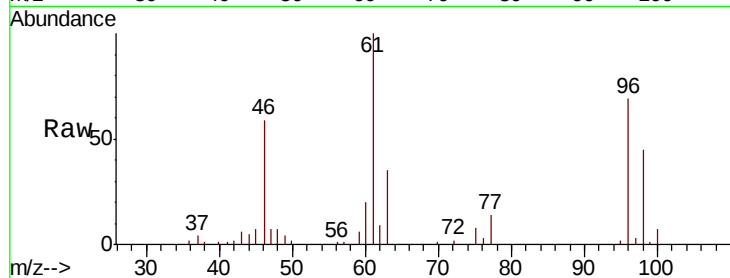
Tot Ion: 96 Resp: 22285

Ion Ratio Lower Upper

96 100

61 145.4 97.2 180.4

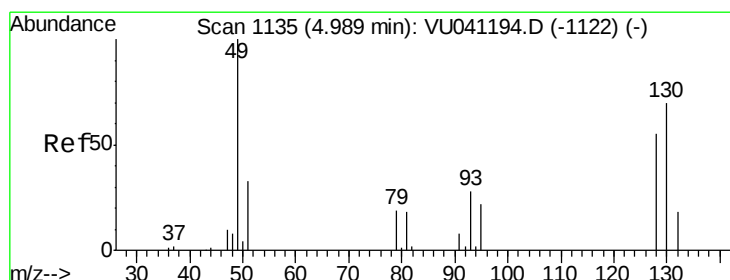
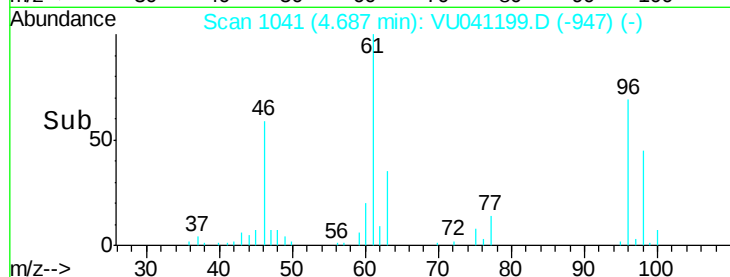
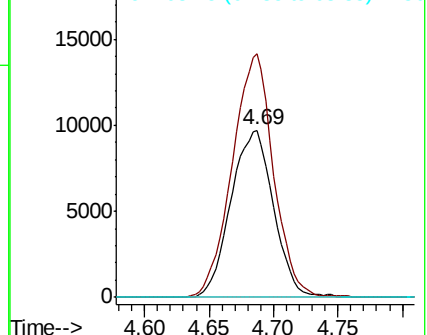
68 0.0 0.0 0.0



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: 5.301 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Tgt Ion:128 Resp: 11140

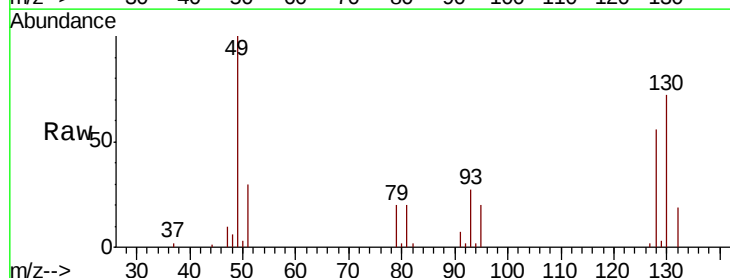
Ion Ratio Lower Upper

128 100

49 178.8 135.0 250.8

130 129.1 89.9 167.0

51 54.5 51.9 77.9

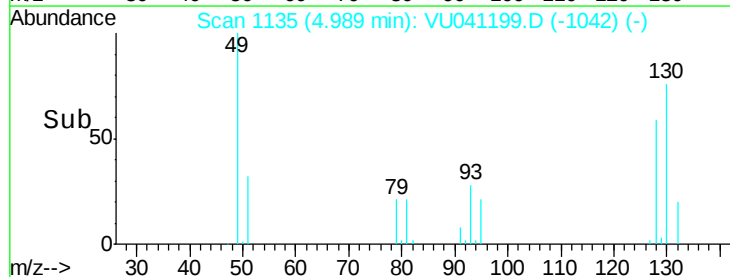
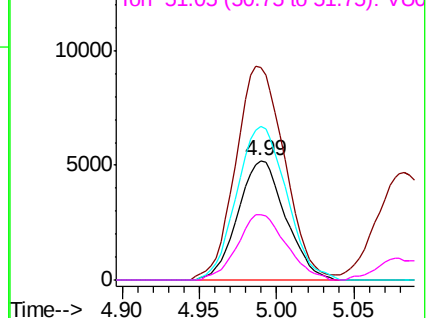


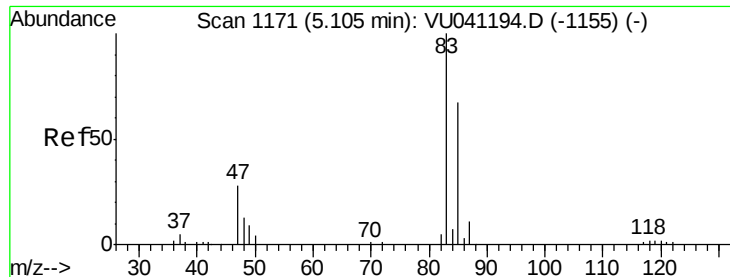
Abundance Ion 127.90 (127.60 to 128.60): V

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

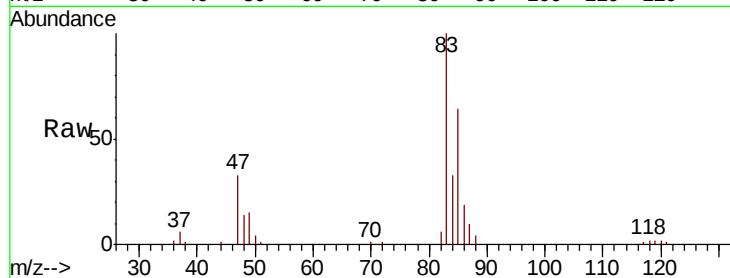




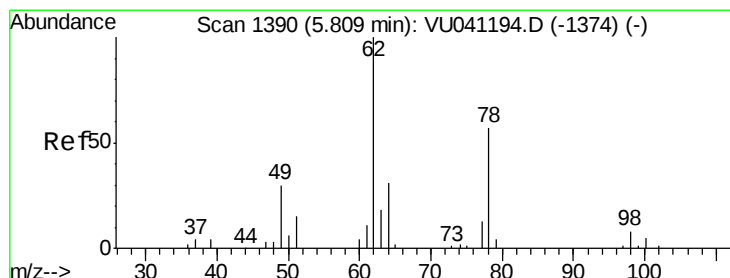
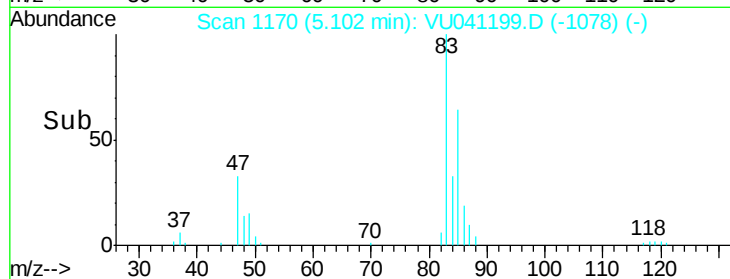
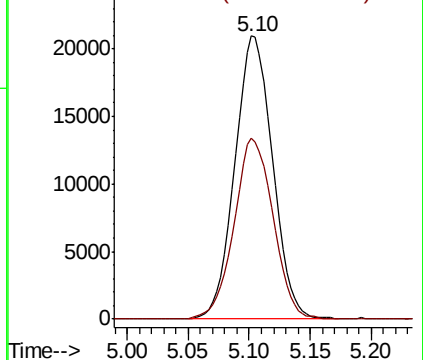
#25
Chloroform
Concen: 5.178 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041199.D
Acq: 11 Nov 2020 13:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion: 83 Resp: 44828
Ion Ratio Lower Upper
83 100
85 63.8 46.1 85.7

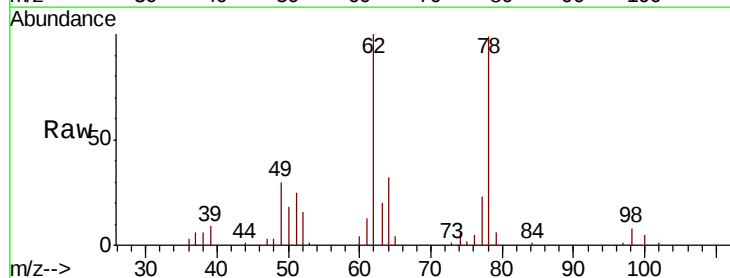


Abundance Ion 83.05 (82.75 to 83.75): VU041199.D (-1178) (-)
Ion 85.00 (84.70 to 85.70): VU041199.D (-1178) (-)

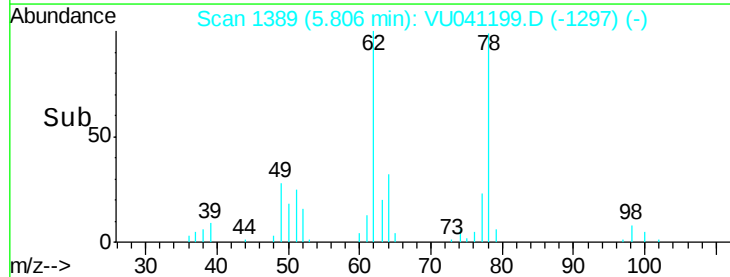
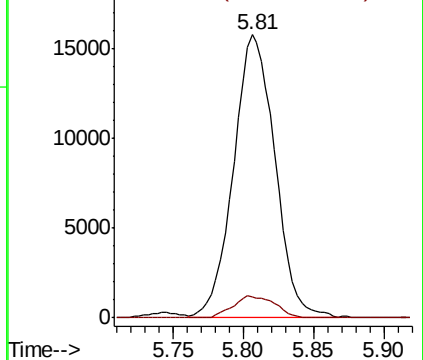


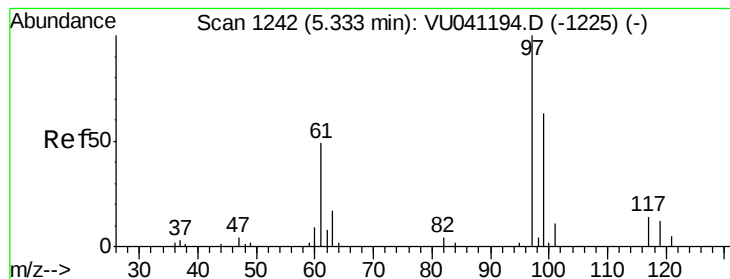
#27
1,2-Dichloroethane
Concen: 5.049 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041199.D
Acq: 11 Nov 2020 13:42

Tgt Ion: 62 Resp: 32554
Ion Ratio Lower Upper
62 100
98 7.6 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VU041199.D (-1297) (-)
Ion 98.05 (97.75 to 98.75): VU041199.D (-1297) (-)





#29

1,1,1-Trichloroethane

Concen: 4.647 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

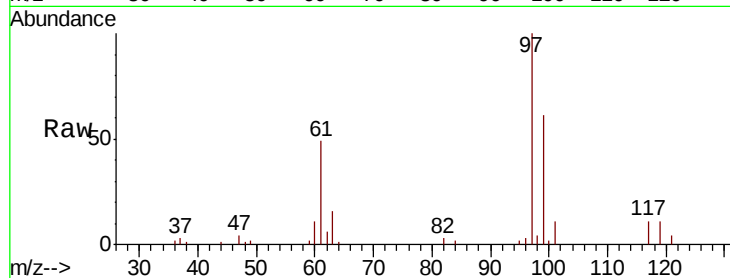
Tot Ion: 97 Resp: 35506

Ion Ratio Lower Upper

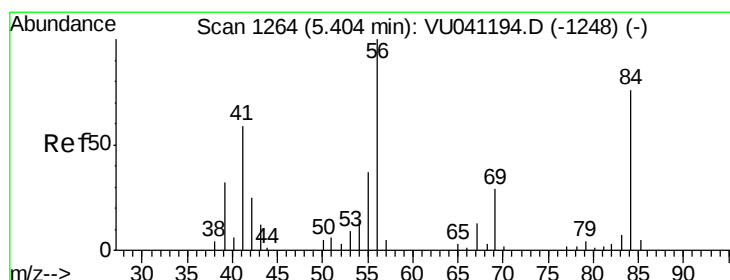
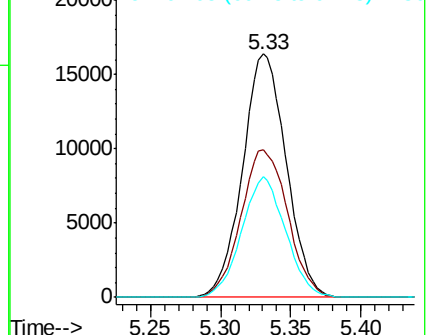
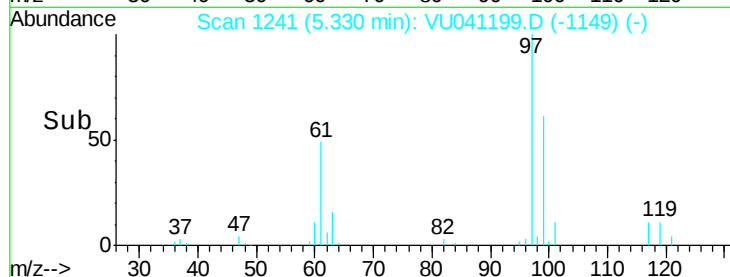
97 100

99 64.7 53.4 80.0

61 49.7 41.6 62.4



Abundance Ion 96.95 (96.65 to 97.65): VU041199.D (-1149) (-)



#30

Cyclohexane

Concen: 3.633 ug/L

RT: 5.40 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

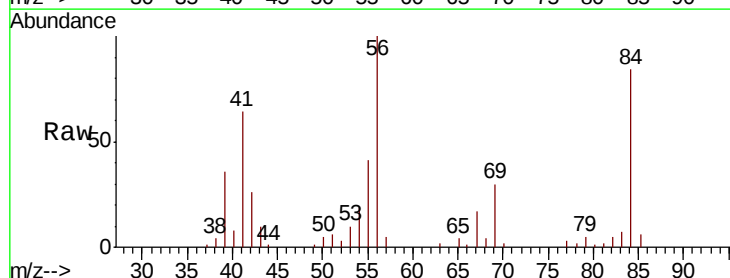
Tgt Ion: 56 Resp: 27348

Ion Ratio Lower Upper

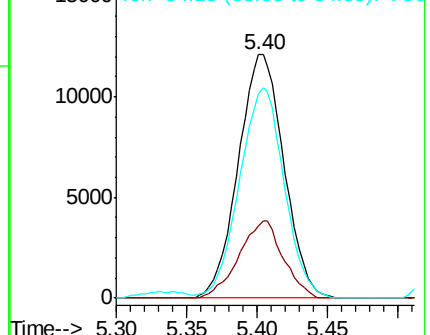
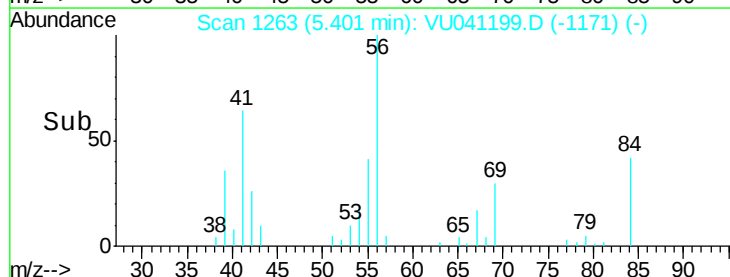
56 100

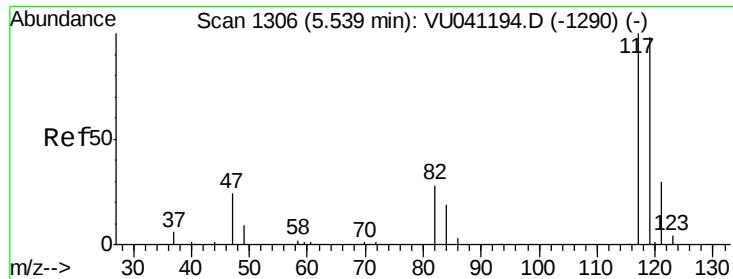
69 30.7 22.8 34.2

84 84.6 63.6 95.4



Abundance Ion 56.10 (55.80 to 56.80): VU041199.D (-1171) (-)





#31

Carbon tetrachloride

Concen: 4.854 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

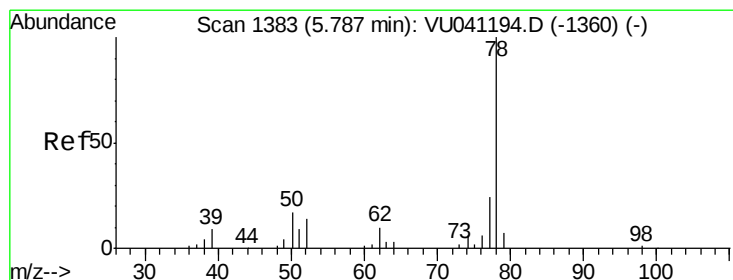
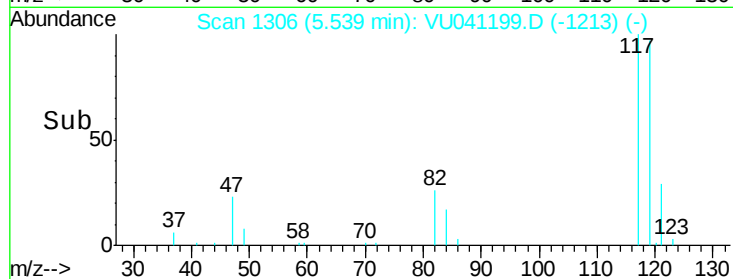
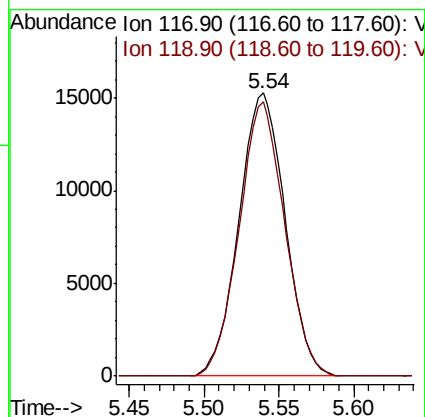
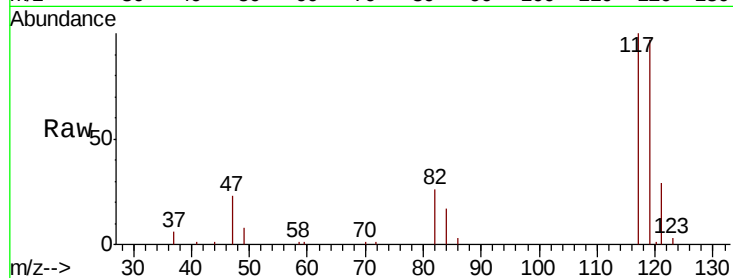
VSTD00527

Tot Ion:117 Resp: 32839

Ion Ratio Lower Upper

117 100

119 95.6 76.1 114.1



#33

Benzene

Concen: 4.555 ug/L

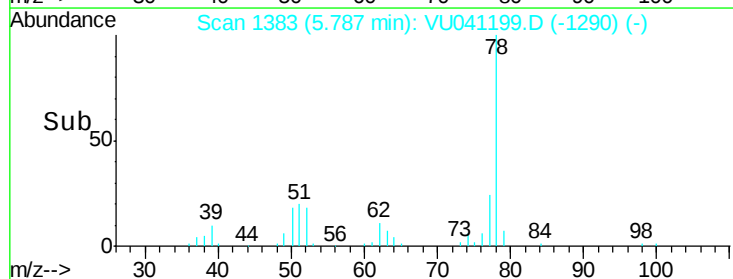
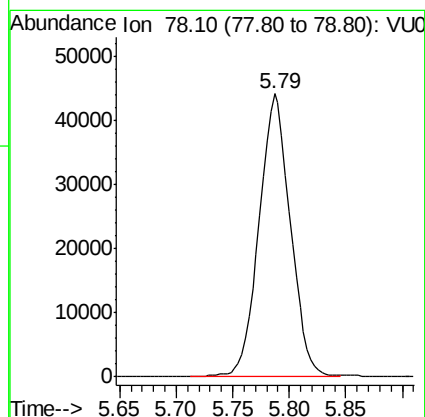
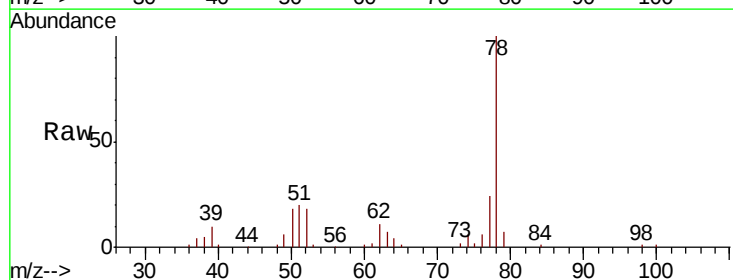
RT: 5.79 min Scan# 1383

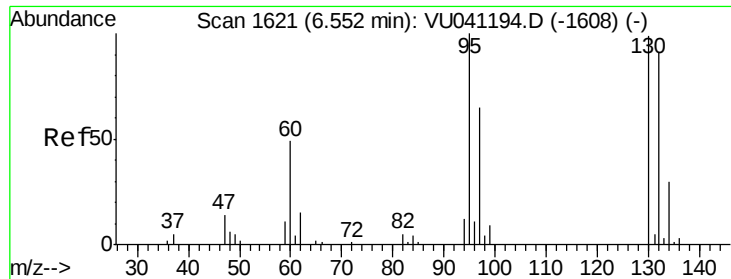
Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Tgt Ion: 78 Resp: 85032

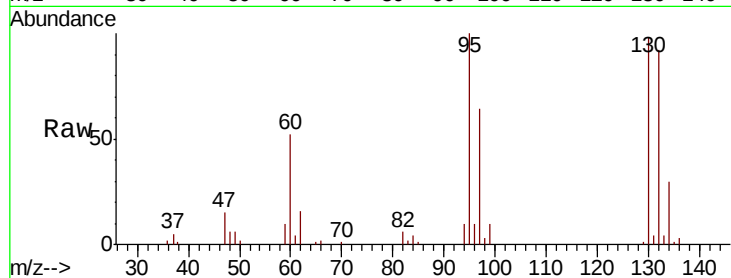




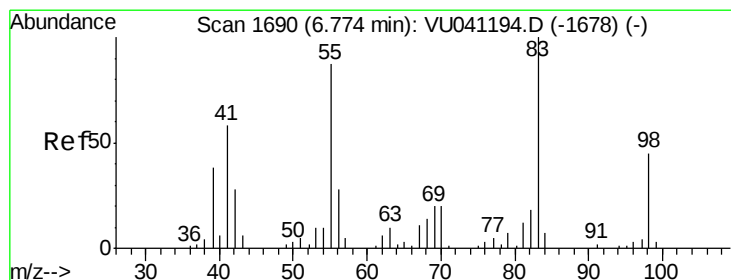
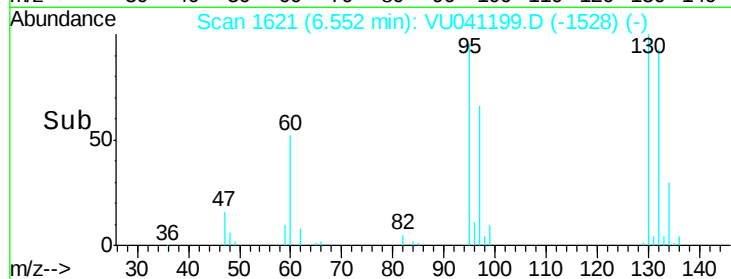
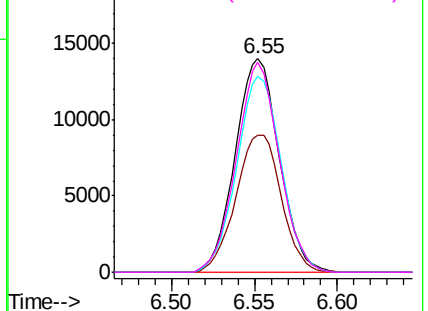
#34
 Trichloroethene
 Concen: 5.463 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041199.D
 Acq: 11 Nov 2020 13:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion: 95 Resp: 25952
 Ion Ratio Lower Upper
 95 100
 97 64.3 45.6 84.6
 132 91.8 64.8 120.4
 130 98.2 64.8 120.4

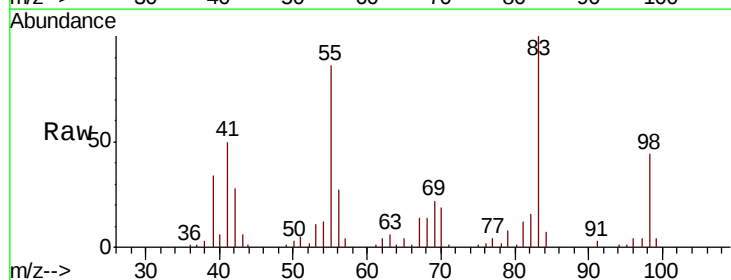


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

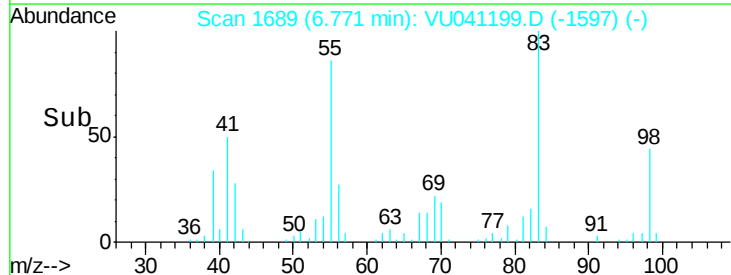
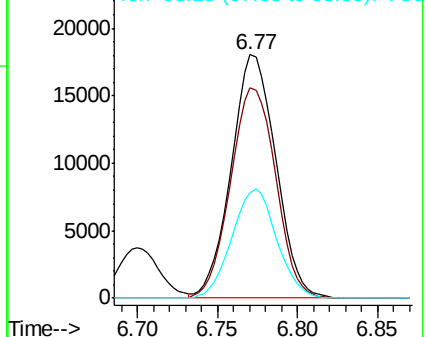


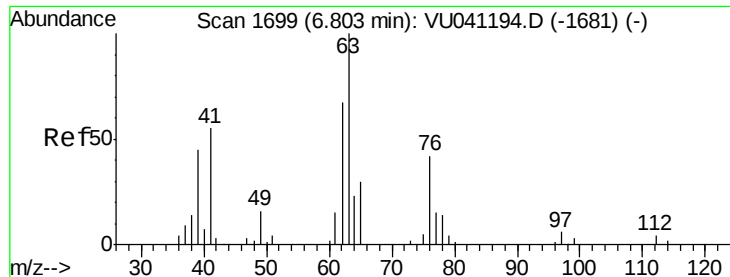
#35
 Methylcyclohexane
 Concen: 4.850 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU041199.D
 Acq: 11 Nov 2020 13:42

Tgt Ion: 83 Resp: 34366
 Ion Ratio Lower Upper
 83 100
 55 87.4 72.0 108.0
 98 44.9 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: 5.616 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

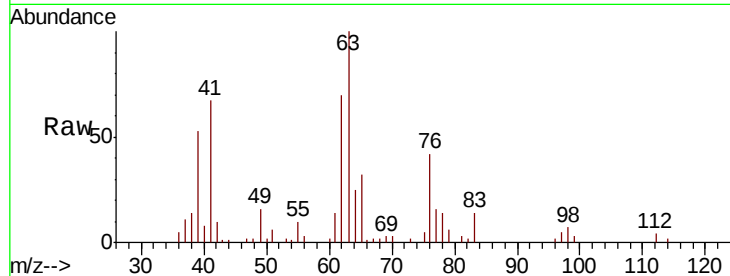
VSTD00527

Tot Ion: 63 Resp: 28363

Ion Ratio Lower Upper

63 100

112 3.8 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VU041199.D (-1696) (-)

Ion 112.10 (111.80 to 112.80): VU041199.D (-1696) (-)

6.80

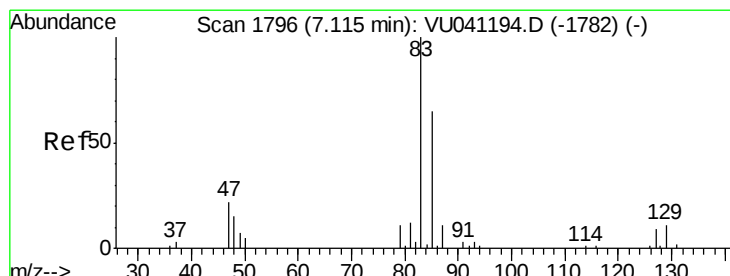
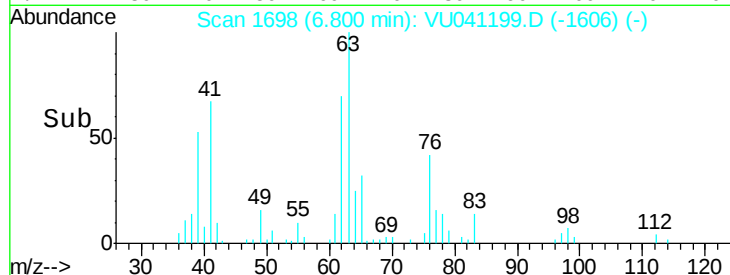
15000

10000

5000

0

Time--> 6.70 6.75 6.80 6.85



#38

Bromodichloromethane

Concen: 5.414 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

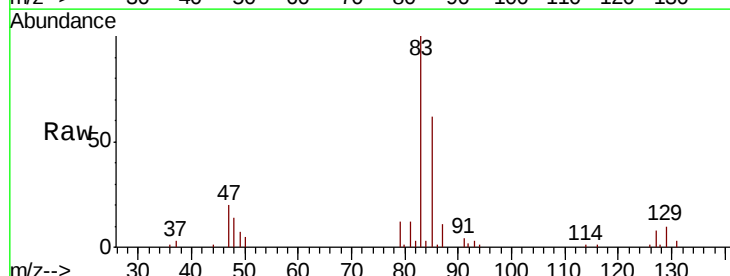
Tgt Ion: 83 Resp: 35469

Ion Ratio Lower Upper

83 100

85 61.9 43.3 80.3

127 8.1 5.9 8.9



Abundance Ion 82.95 (82.65 to 83.65): VU041199.D (-1793) (-)

Ion 85.00 (84.70 to 85.70): VU041199.D (-1793) (-)

Ion 126.90 (126.60 to 127.60): VU041199.D (-1793) (-)

7.11

25000

20000

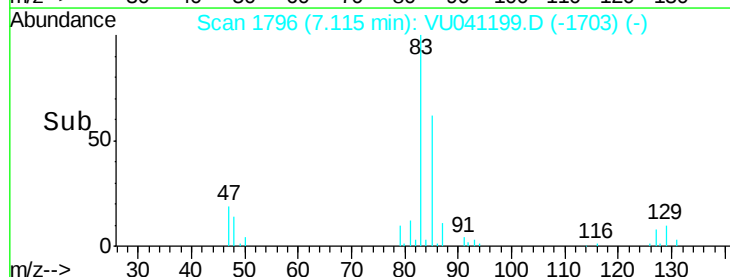
15000

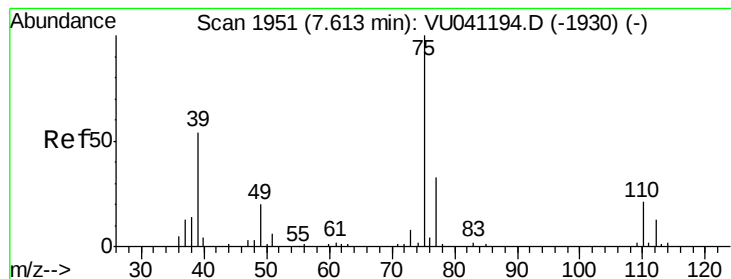
10000

5000

0

Time--> 7.05 7.10 7.15 7.20



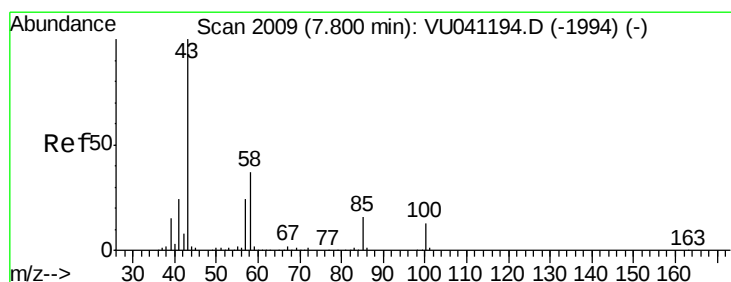
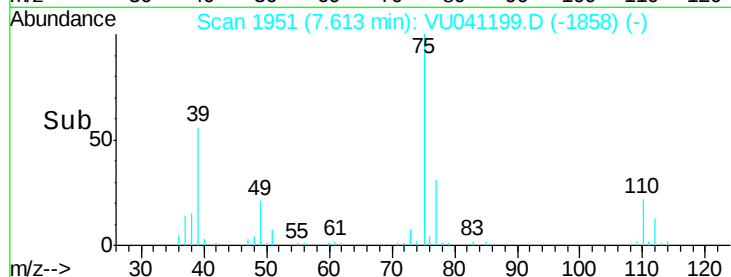
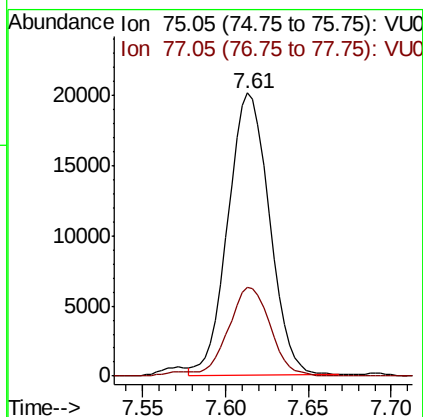
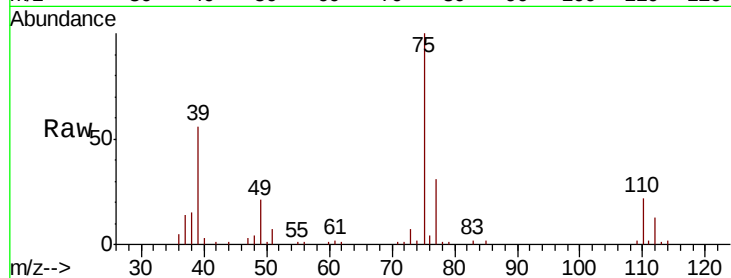


#39

cis-1,3-Dichloropropene
 Concen: 5.031 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041199.D
 Acq: 11 Nov 2020 13:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

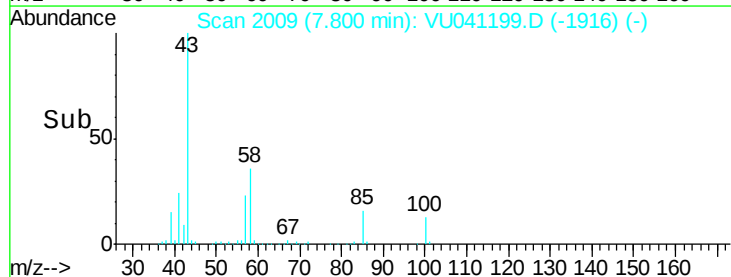
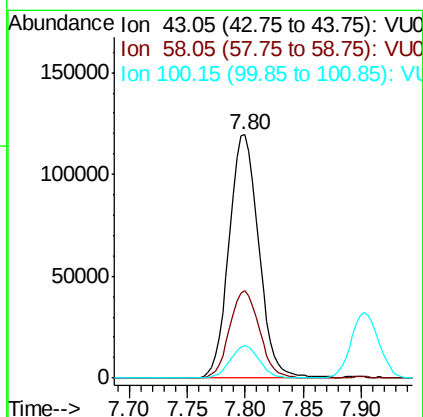
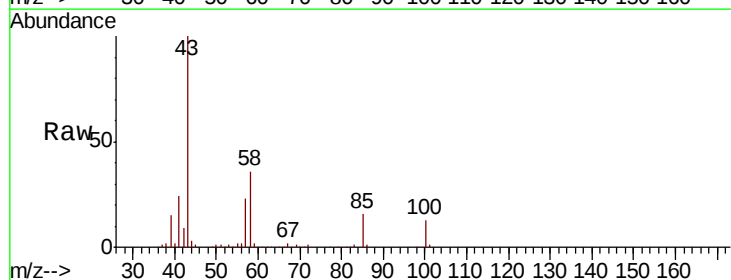
Tot Ion: 75 Resp: 34986
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.7 42.3

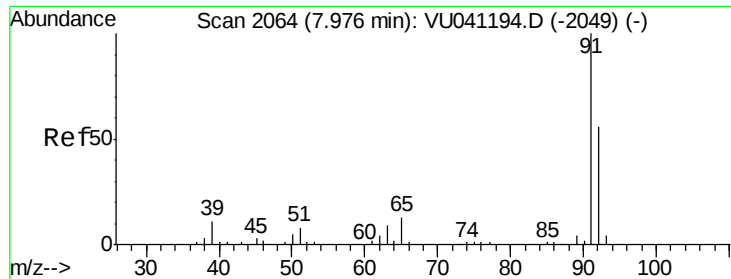


#40

4-Methyl-2-pentanone
 Concen: 52.722 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041199.D
 Acq: 11 Nov 2020 13:42

Tgt Ion: 43 Resp: 212321
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.8 44.6
 100 13.0 10.5 15.7





#42

Toluene

Concen: 5.503 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

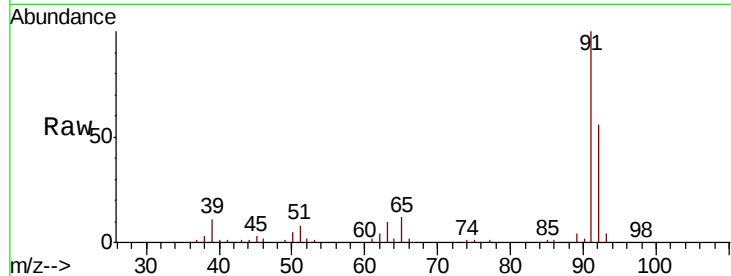
VSTD00527

Tot Ion: 91 Resp: 104157

Ion Ratio Lower Upper

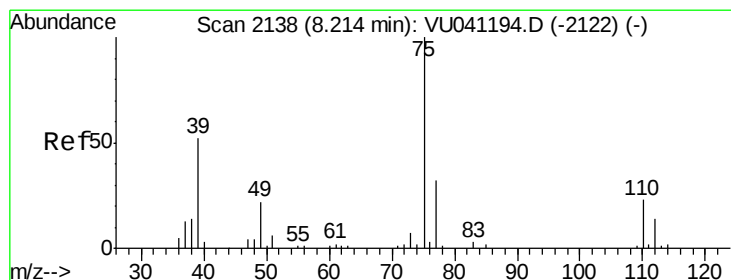
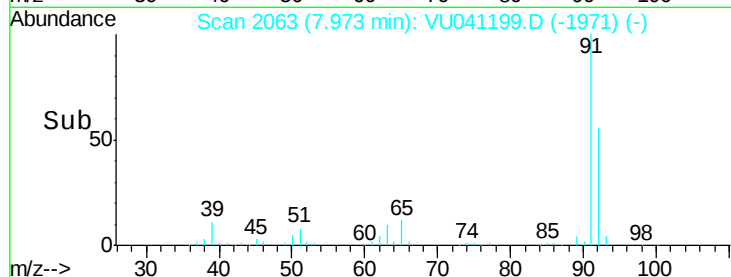
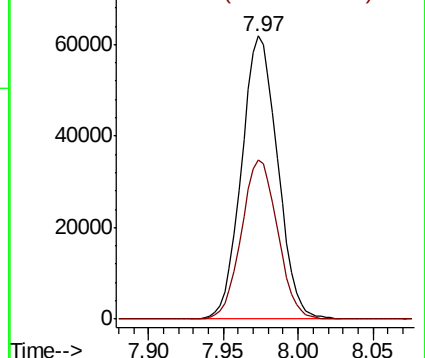
91 100

92 56.2 40.6 75.4



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: 5.476 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041199.D

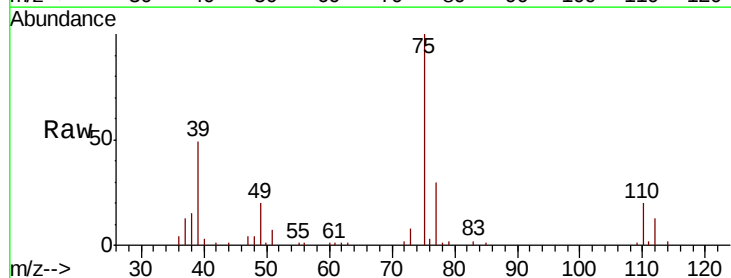
Acq: 11 Nov 2020 13:42

Tgt Ion: 75 Resp: 35636

Ion Ratio Lower Upper

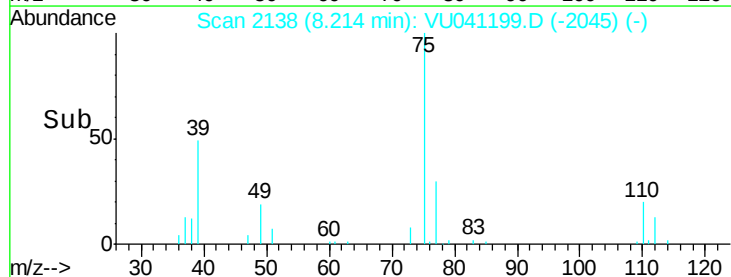
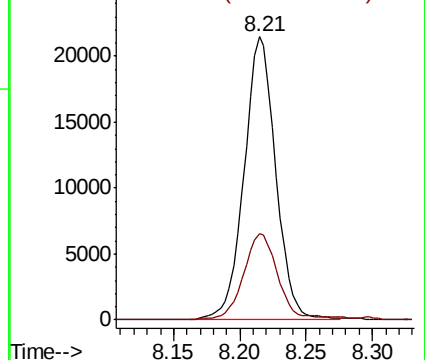
75 100

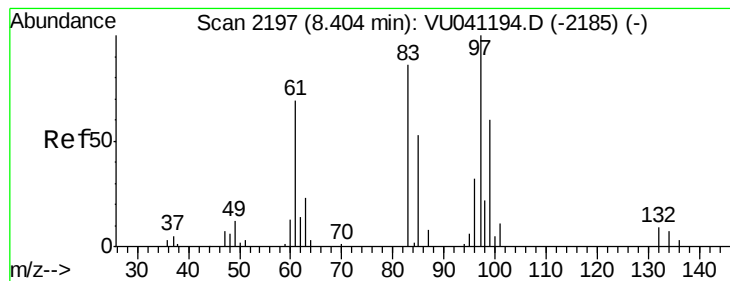
77 30.3 23.3 43.3



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: 5.403 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

Tot Ion: 97 Resp: 20313

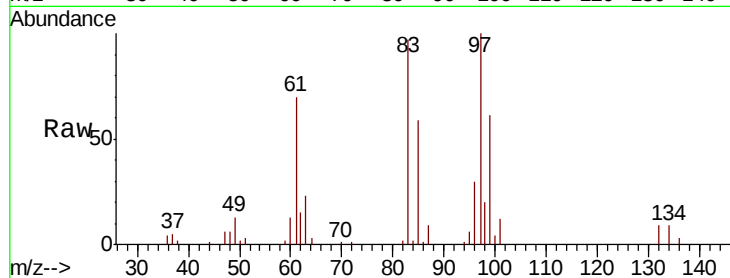
Ion Ratio Lower Upper

97 100

99 61.4 45.8 85.2

83 97.0 67.9 126.1

85 59.4 42.8 79.6

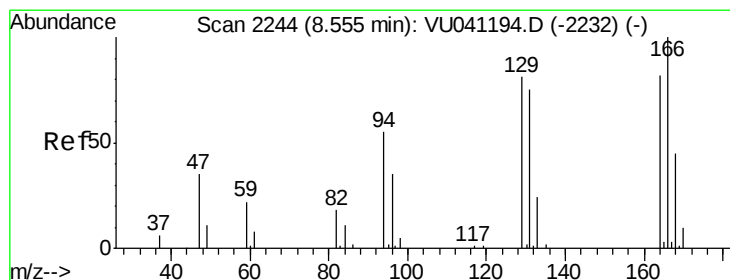
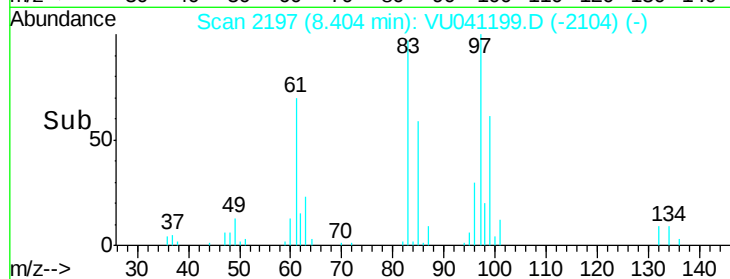
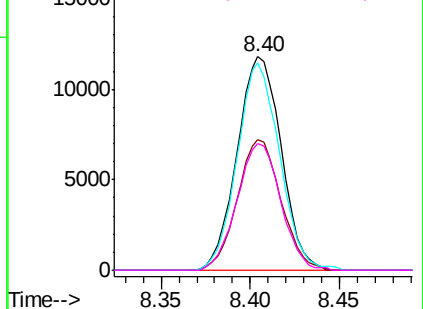


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.287 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Tgt Ion: 164 Resp: 18466

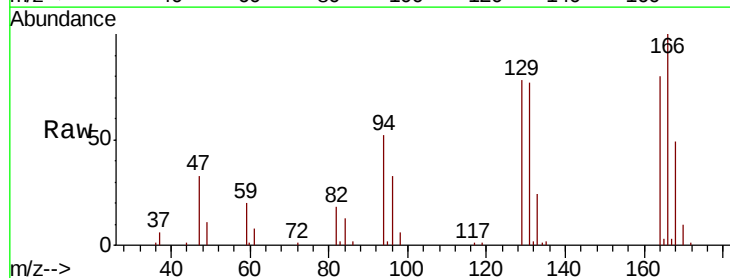
Ion Ratio Lower Upper

164 100

129 98.2 70.3 130.7

131 96.4 70.8 131.4

166 125.6 92.0 170.8

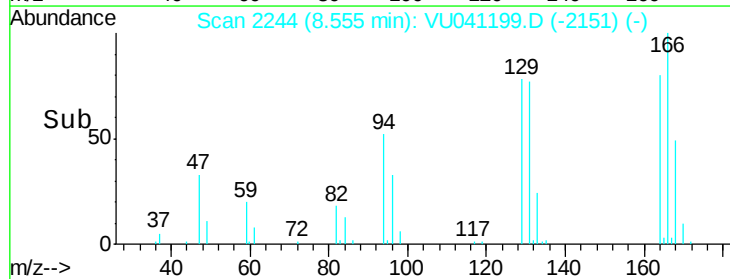
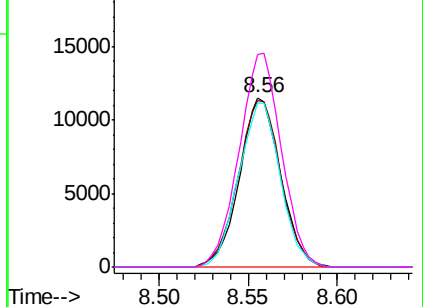


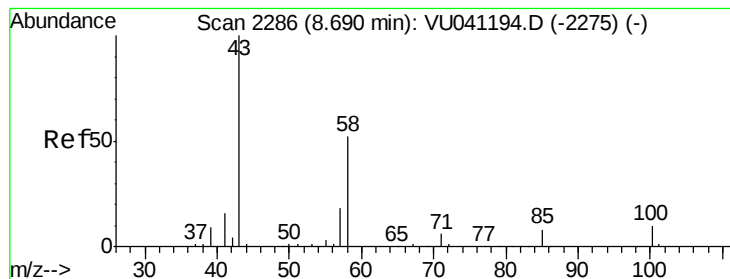
Abundance Ion 163.90 (163.60 to 164.60): V

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: 54.923 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

Tot Ion: 43 Resp: 166544

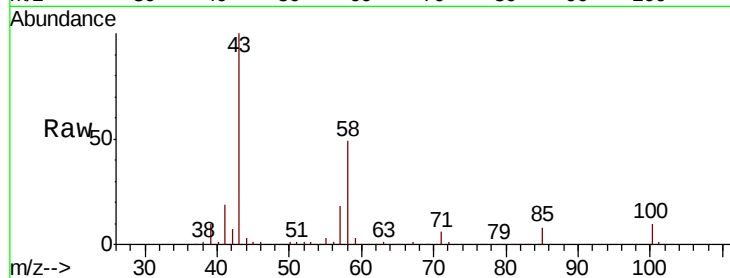
Ion Ratio Lower Upper

43 100

58 49.7 41.4 62.2

57 17.6 14.6 21.8

100 9.8 8.3 12.5

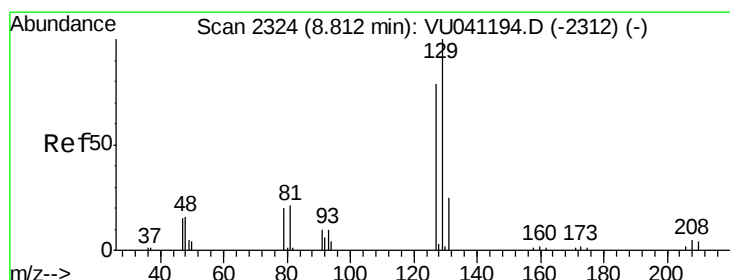
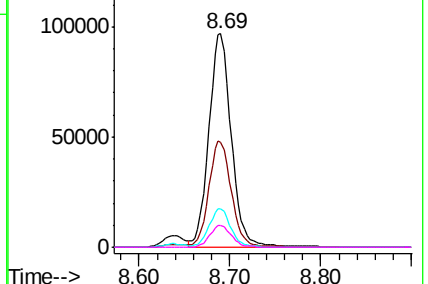
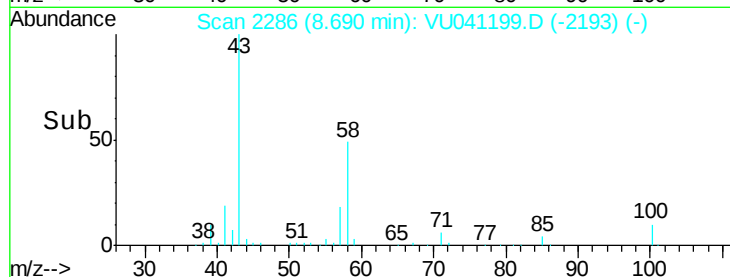


Abundance Ion 43.05 (42.75 to 43.75): VU041199.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU041199.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU041199.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU041199.D (-2193) (-)



#49

Dibromochloromethane

Concen: 5.631 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU041199.D

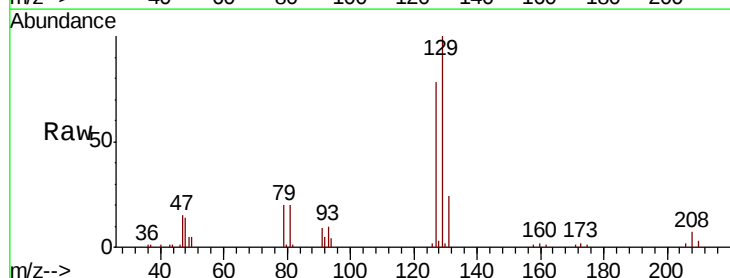
Acq: 11 Nov 2020 13:42

Tgt Ion: 129 Resp: 24586

Ion Ratio Lower Upper

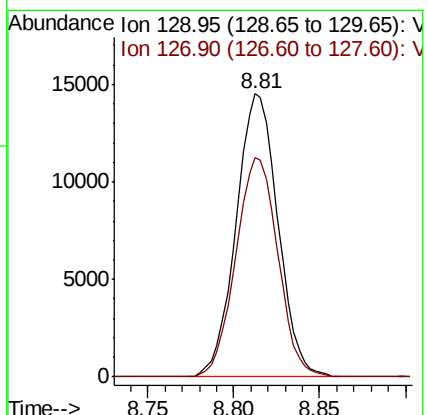
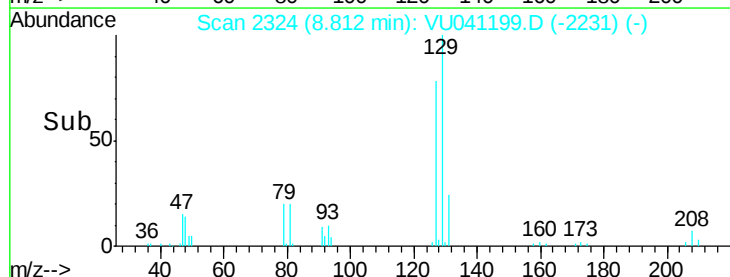
129 100

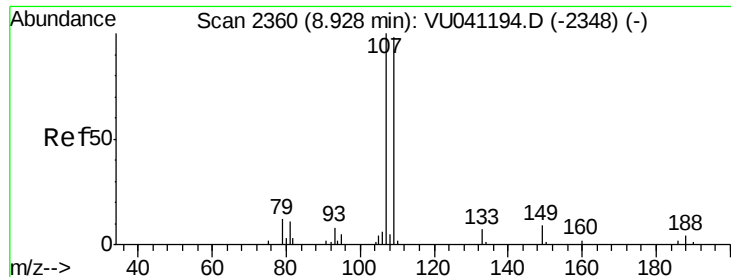
127 77.6 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041199.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU041199.D (-2231) (-)

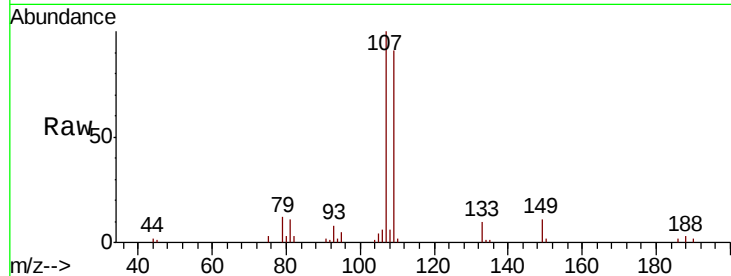




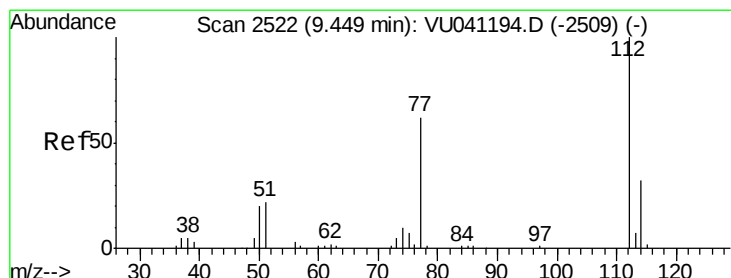
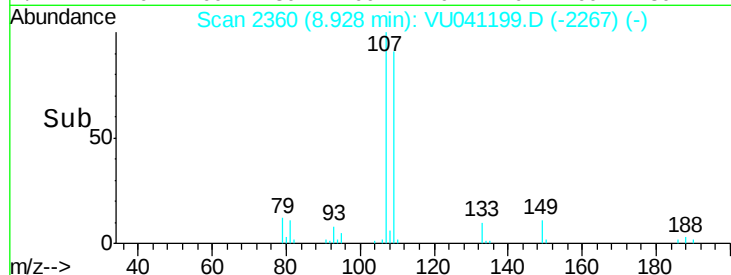
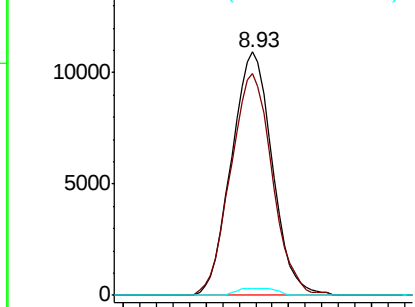
#50
 1,2-Dibromoethane
 Concen: 5.219 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041199.D
 Acq: 11 Nov 2020 13:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:107 Resp: 18698
 Ion Ratio Lower Upper
 107 100
 109 91.2 65.6 121.8
 188 3.0 2.9 4.3

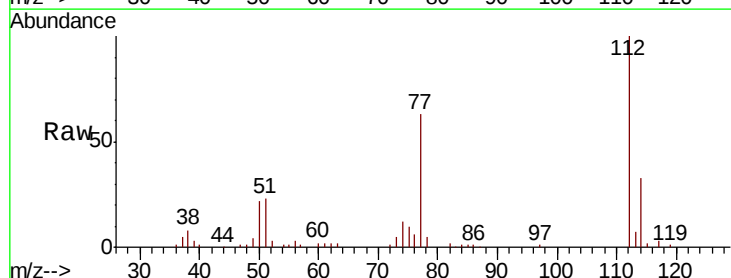


Abundance Ion 106.95 (106.65 to 107.65): V
 15000 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

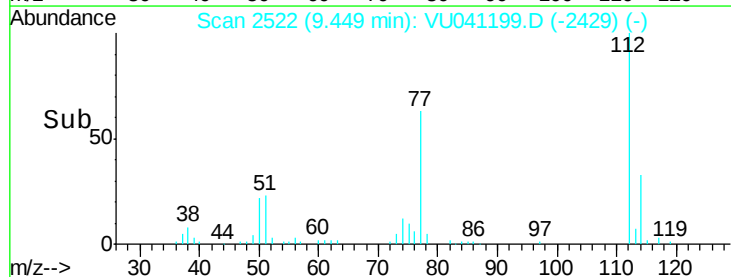
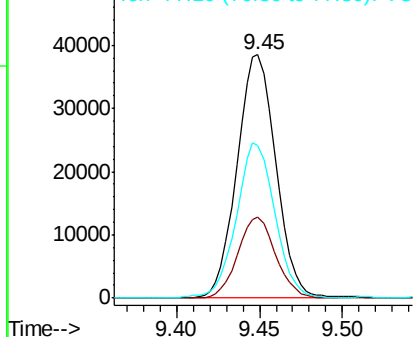


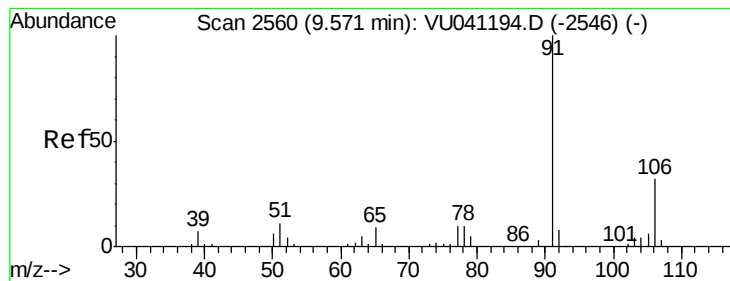
#51
 Chlorobenzene
 Concen: 5.235 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041199.D
 Acq: 11 Nov 2020 13:42

Tgt Ion:112 Resp: 62838
 Ion Ratio Lower Upper
 112 100
 114 33.2 22.4 41.6
 77 63.0 51.2 76.8



Abundance Ion 112.10 (111.80 to 112.80): V
 50000 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.147 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

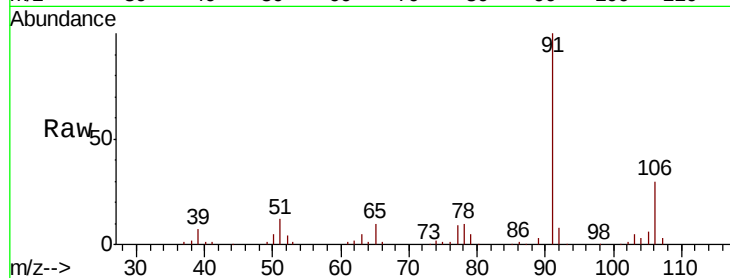
VSTD00527

Tot Ion: 91 Resp: 102545

Ion Ratio Lower Upper

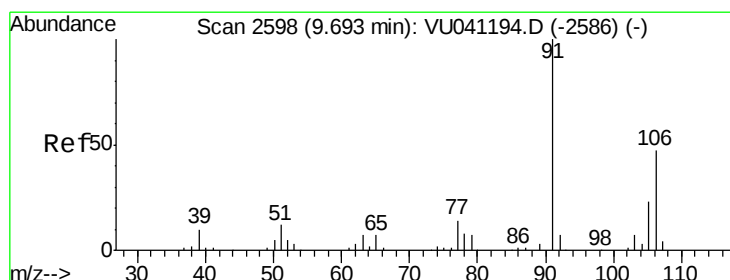
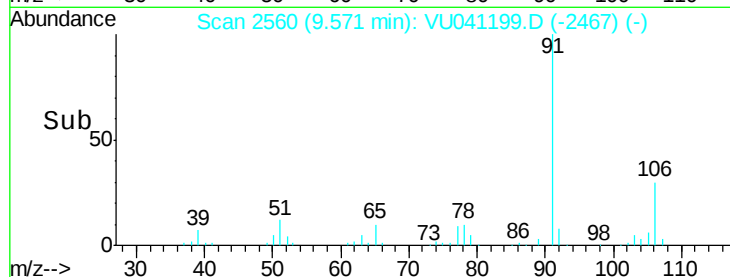
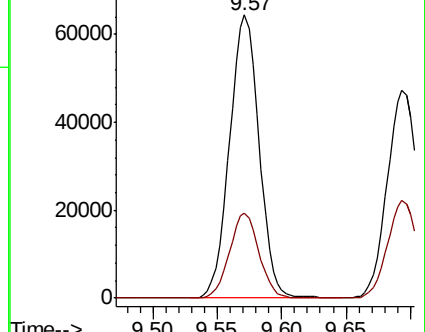
91 100

106 30.0 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041199.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU041199.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.960 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041199.D

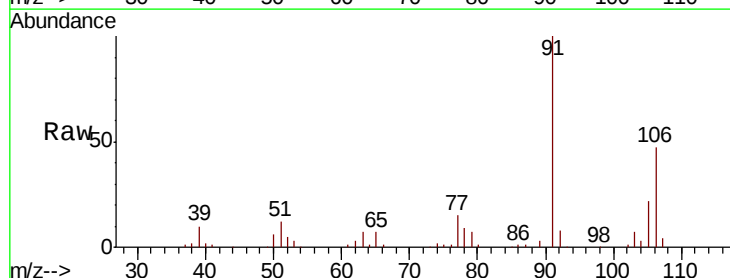
Acq: 11 Nov 2020 13:42

Tgt Ion: 106 Resp: 36038

Ion Ratio Lower Upper

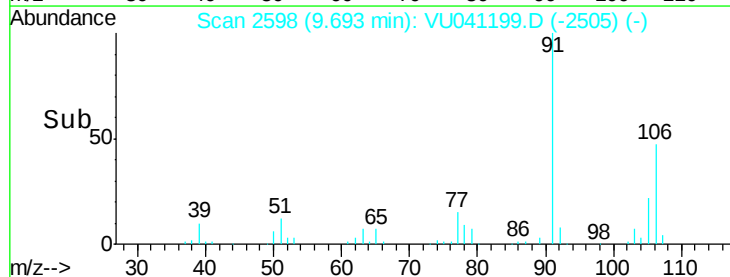
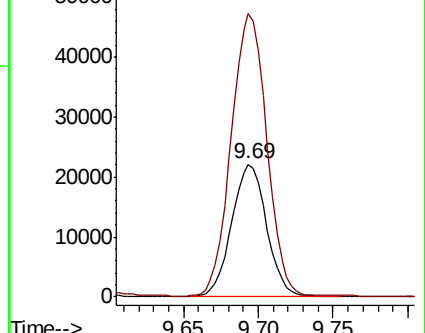
106 100

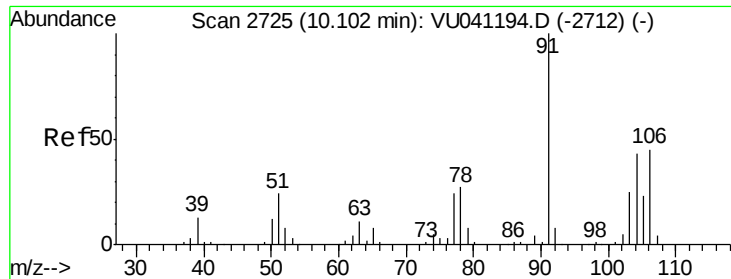
91 213.6 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041199.D (-2598) (-)

Ion 91.15 (90.85 to 91.85): VU041199.D (-2598) (-)

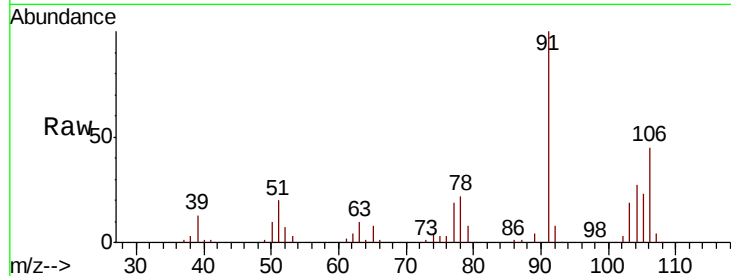




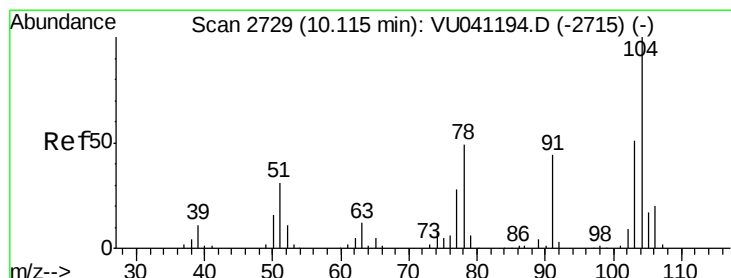
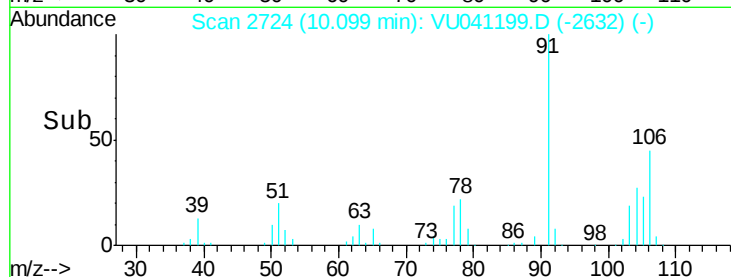
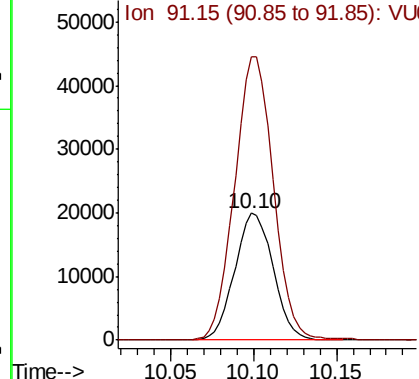
#54
o-Xylene
Concen: 4.759 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041199.D
Acq: 11 Nov 2020 13:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion:106 Resp: 32204
Ion Ratio Lower Upper
106 100
91 222.8 154.3 286.5

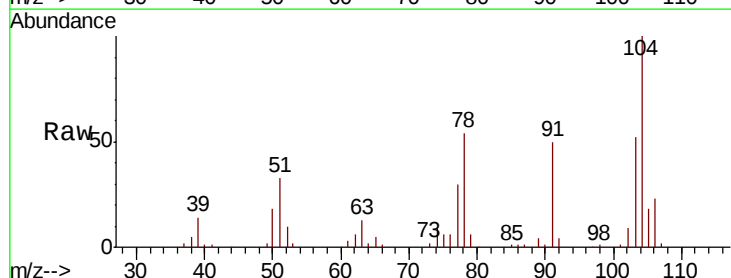


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

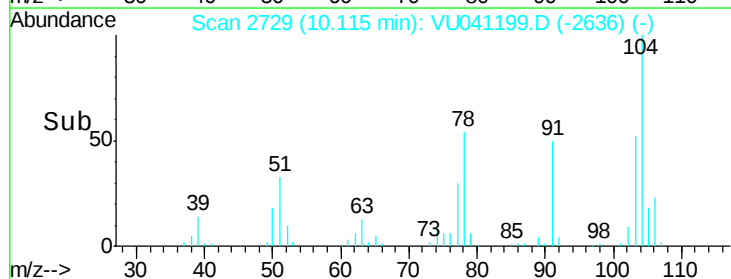
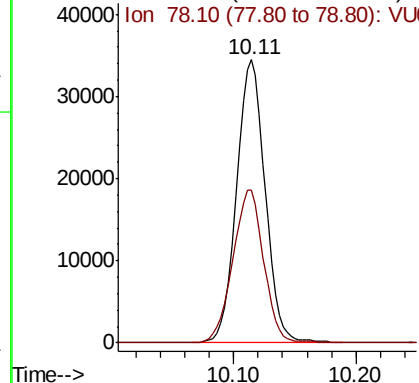


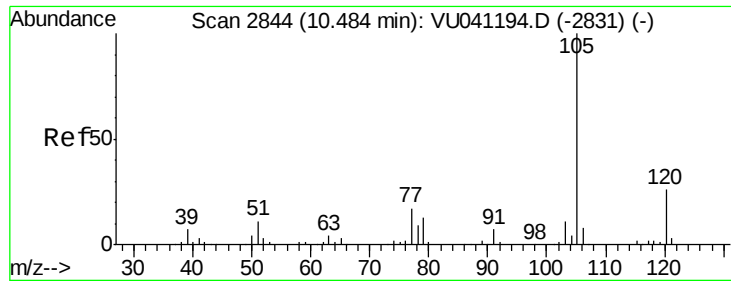
#55
Styrene
Concen: 4.664 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041199.D
Acq: 11 Nov 2020 13:42

Tgt Ion:104 Resp: 56237
Ion Ratio Lower Upper
104 100
78 54.2 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: 4.887 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

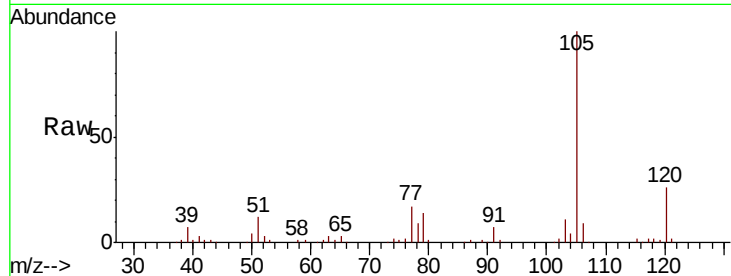
Tot Ion:105 Resp: 88921

Ion Ratio Lower Upper

105 100

120 25.0 20.7 31.1

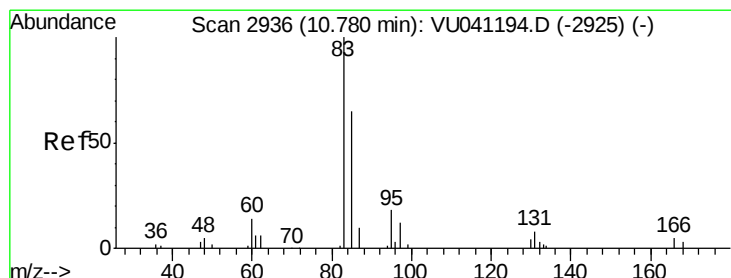
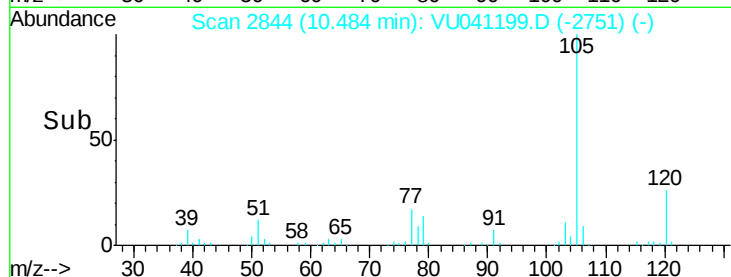
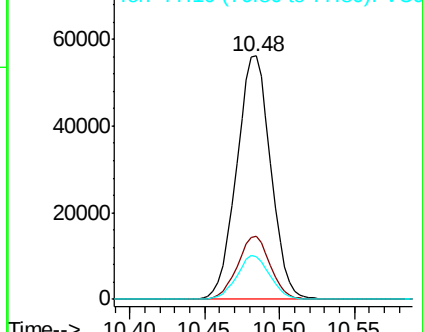
77 17.4 13.8 20.6



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: 4.280 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

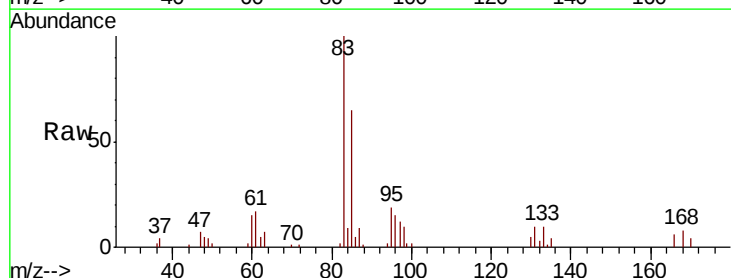
Tgt Ion: 83 Resp: 21136

Ion Ratio Lower Upper

83 100

85 64.5 44.4 82.4

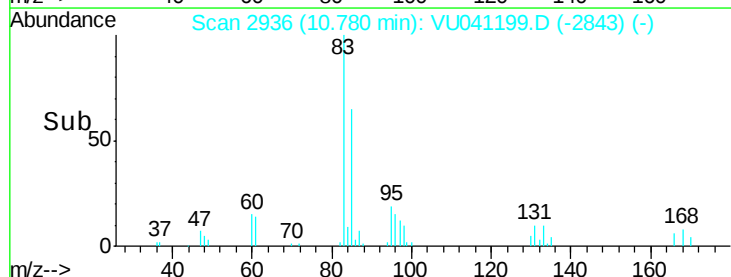
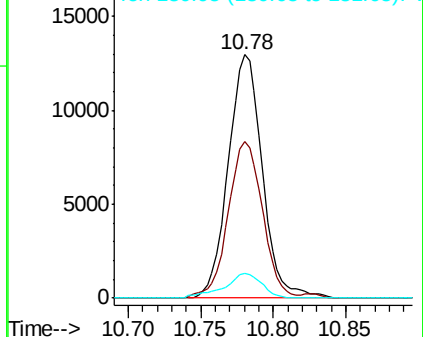
131 10.3 7.7 11.5

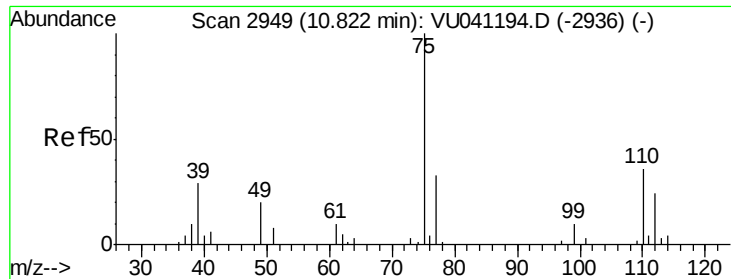


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.538 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

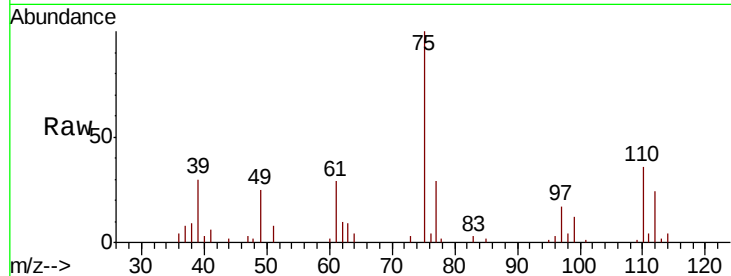
VSTD00527

Tot Ion: 75 Resp: 17082

Ion Ratio Lower Upper

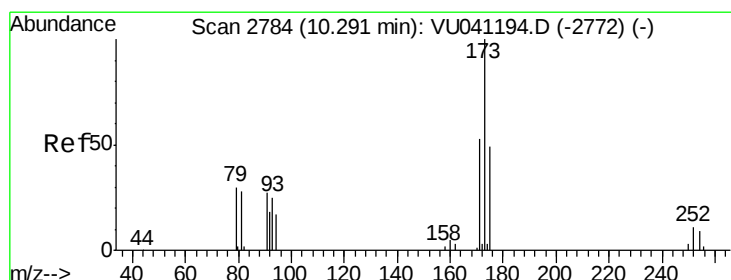
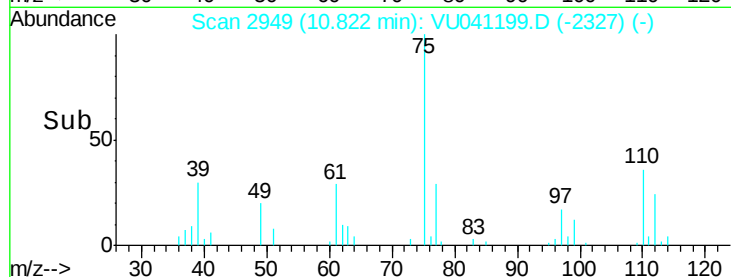
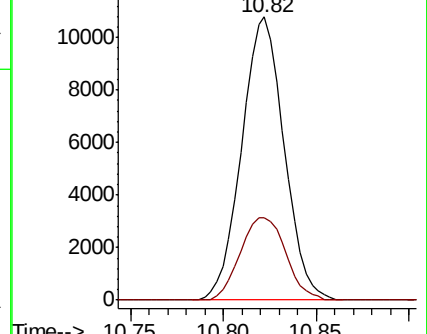
75 100

77 31.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041199.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU041199.D (-2936) (-)



#61

Bromoform

Concen: 5.545 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

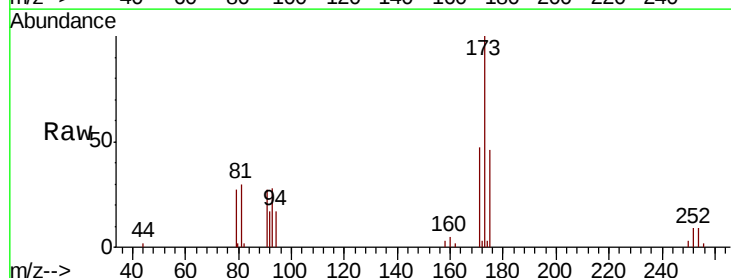
Tgt Ion: 173 Resp: 12027

Ion Ratio Lower Upper

173 100

175 46.6 37.6 56.4

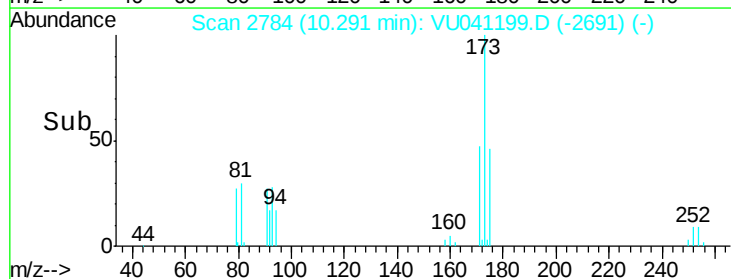
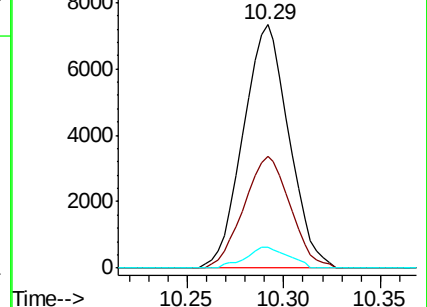
254 8.0 6.6 9.8

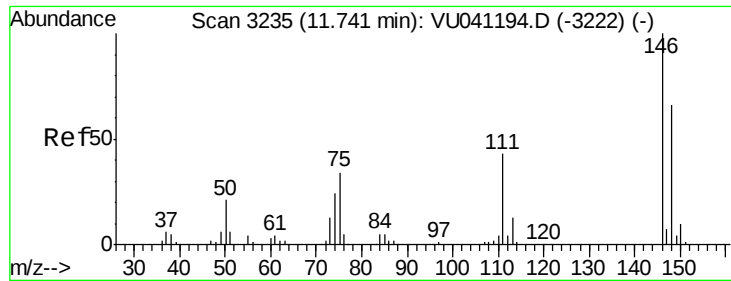


Abundance Ion 172.90 (172.60 to 173.60): VU041199.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VU041199.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VU041199.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 5.530 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

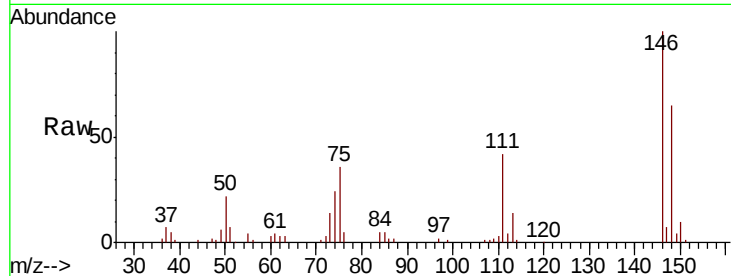
Tot Ion:146 Resp: 44923

Ion Ratio Lower Upper

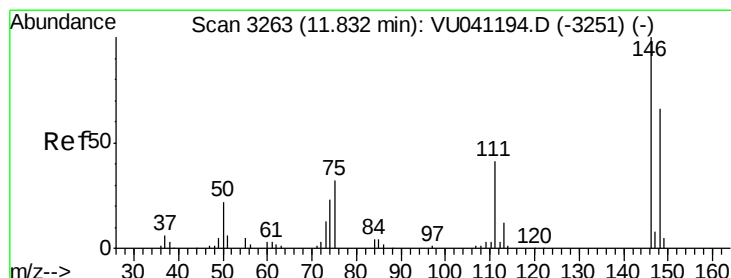
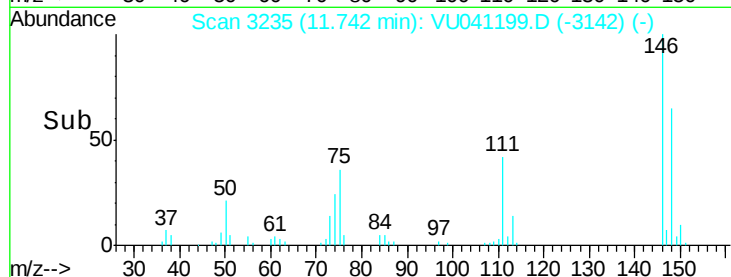
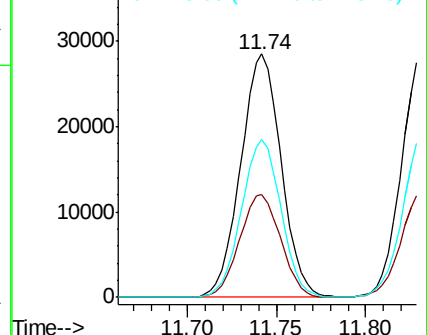
146 100

111 42.2 30.9 57.3

148 64.8 45.8 85.2



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



#63

1,4-Dichlorobenzene

Concen: 5.378 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

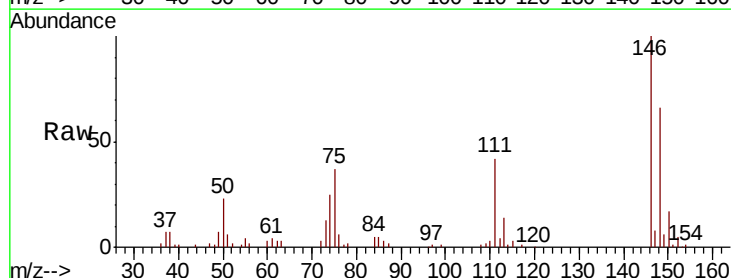
Tgt Ion:146 Resp: 45253

Ion Ratio Lower Upper

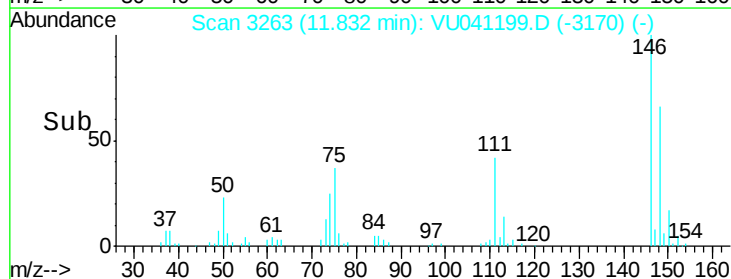
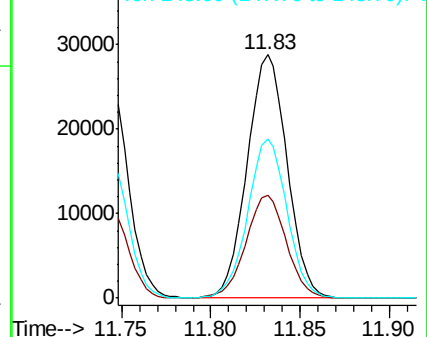
146 100

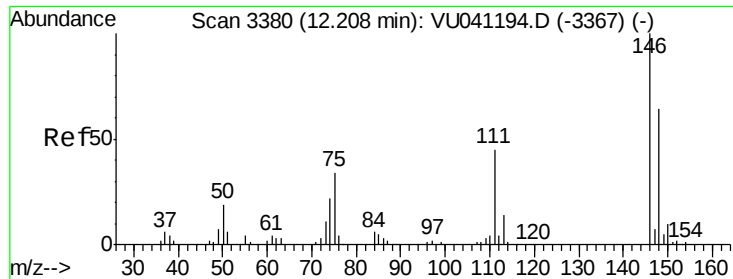
111 42.3 28.3 52.7

148 65.6 44.2 82.2



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

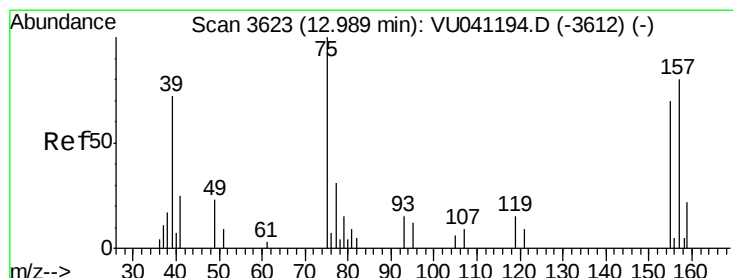
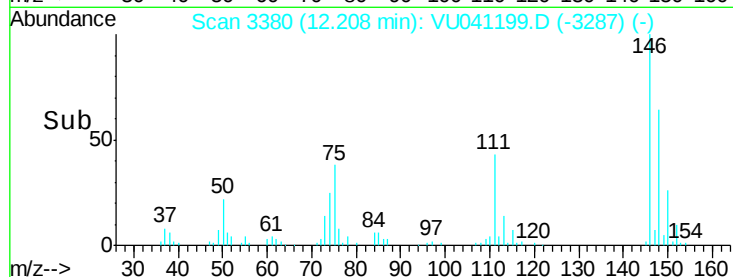
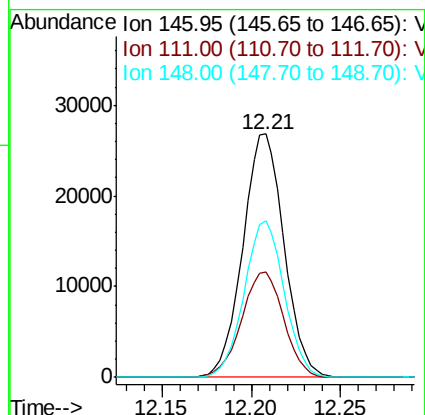
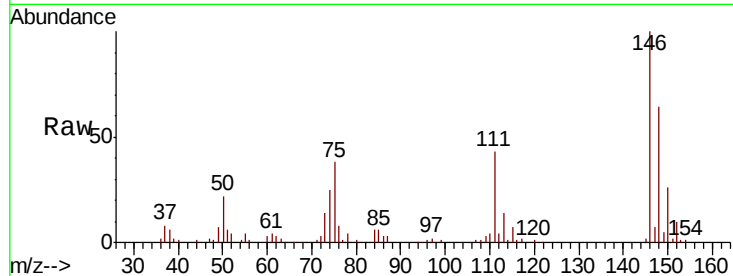




#65
 1,2-Dichlorobenzene
 Concen: 5.385 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041199.D
 Acq: 11 Nov 2020 13:42

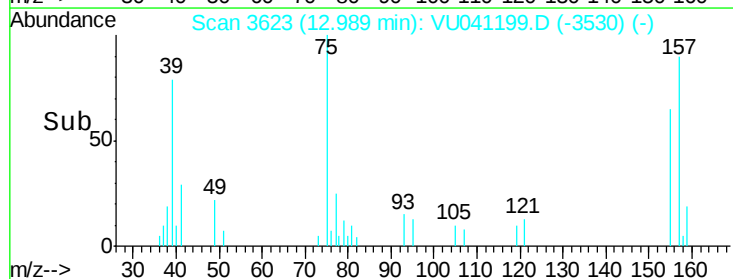
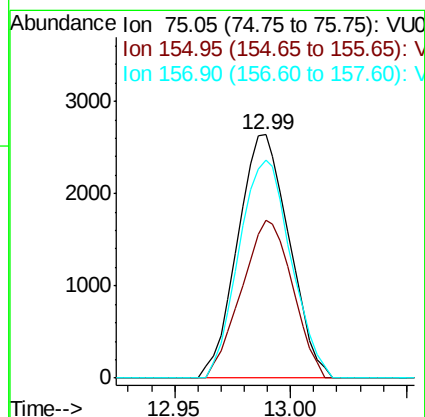
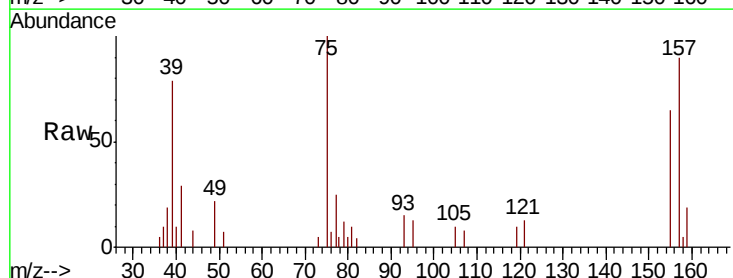
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

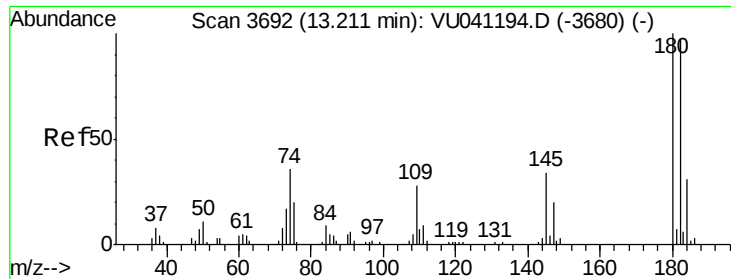
Tot Ion:146 Resp: 43169
 Ion Ratio Lower Upper
 146 100
 111 43.1 35.0 52.6
 148 64.1 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.196 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041199.D
 Acq: 11 Nov 2020 13:42

Tgt Ion: 75 Resp: 4083
 Ion Ratio Lower Upper
 75 100
 155 64.7 61.4 92.2
 157 89.7 74.2 111.4

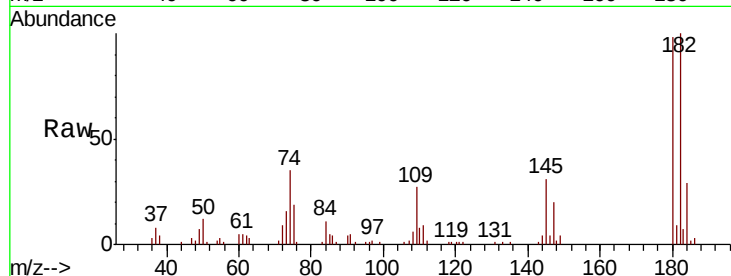




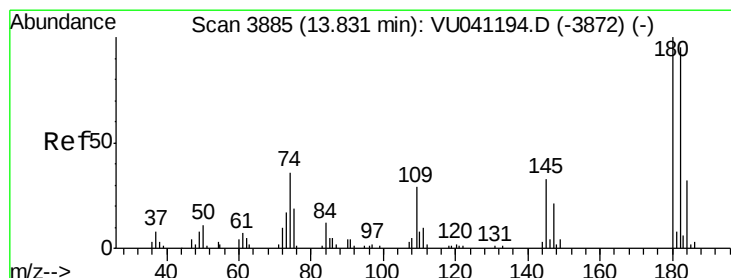
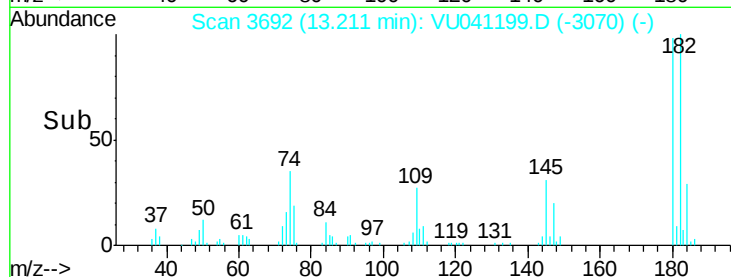
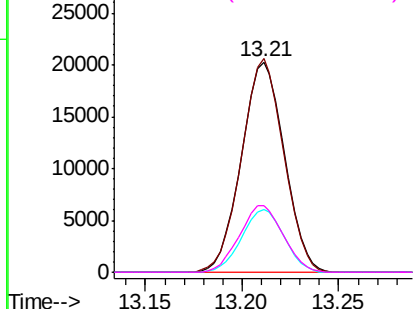
#67
 1,3,5-Trichlorobenzene
 Concen: 5.521 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041199.D
 Acq: 11 Nov 2020 13:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:180 Resp: 31370
 Ion Ratio Lower Upper
 180 100
 182 99.5 75.7 113.5
 184 29.4 23.7 35.5
 145 32.2 26.1 39.1

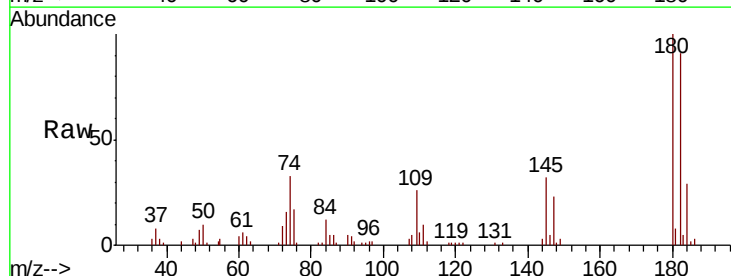


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

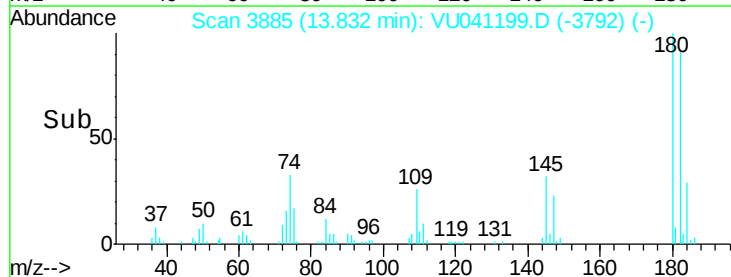
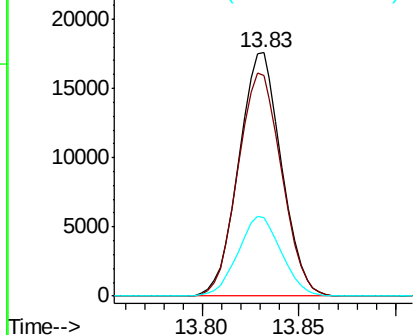


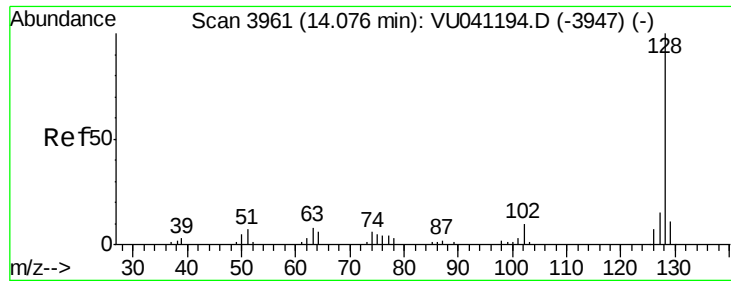
#68
 1,2,4-trichlorobenzene
 Concen: 5.726 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041199.D
 Acq: 11 Nov 2020 13:42

Tgt Ion:180 Resp: 26950
 Ion Ratio Lower Upper
 180 100
 182 93.9 73.5 110.3
 145 33.3 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: 4.982 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

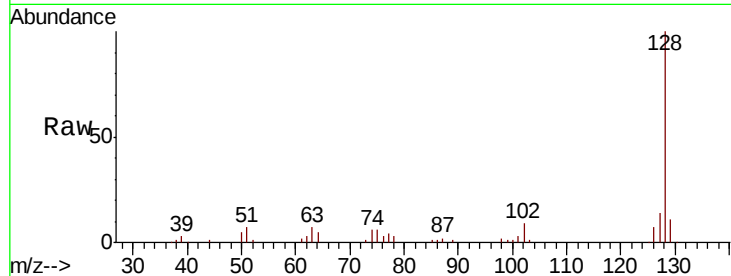
Tot Ion:128 Resp: 41927

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

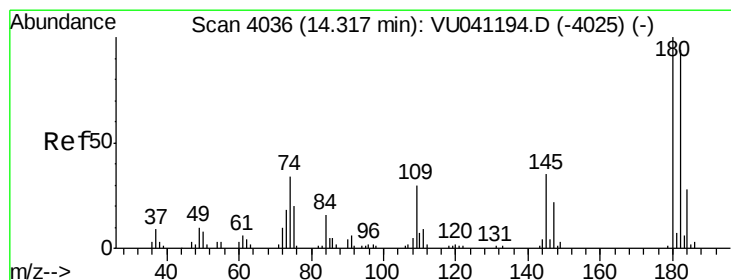
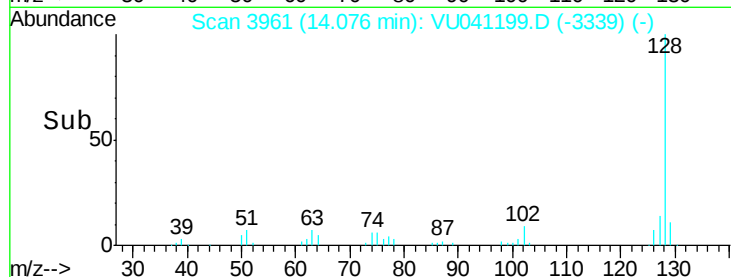
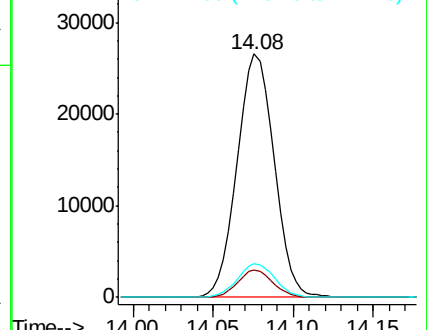
127 13.8 10.8 16.2



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: 5.772 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041199.D

Acq: 11 Nov 2020 13:42

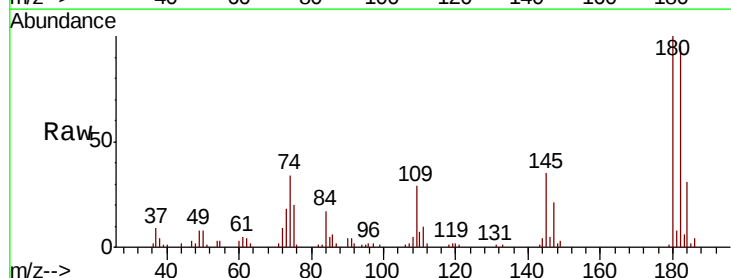
Tgt Ion:180 Resp: 25039

Ion Ratio Lower Upper

180 100

182 94.0 77.7 116.5

145 35.1 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

