

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
 Data File : VU041192.D
 Acq On : 10 Nov 2020 21:06
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Quant Time: Nov 11 00:55:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 11 00:43:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	59494	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54905	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	34999	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22061	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.92	69	20045	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.58	63	42638	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.00%
20) 2-Butanone-d5	4.65	46	78798	47.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.74%
24) Chloroform-d	5.08	84	53071	6.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.20%
26) 1,2-Dichloroethane-d4	5.72	65	31999	5.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.80%
32) Benzene-d6	5.74	84	97510	6.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	132.80%#
36) 1,2-Dichloropropane-d6	6.70	67	26640	5.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.40%
41) Toluene-d8	7.91	98	74391	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.80%
43) trans-1,3-Dichloropropene-	8.19	79	11420	5.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.20%
46) 2-Hexanone-d5	8.64	63	58552	52.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24896	5.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	32782	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	25404	4.677 ug/L	99
3) Chloromethane	1.53	50	23160	4.089 ug/L	98
5) Vinyl chloride	1.61	62	23752	4.251 ug/L	99
6) Bromomethane	1.87	94	14696	4.589 ug/L	94
8) Chloroethane	1.94	64	16535	4.671 ug/L	99
9) Trichlorofluoromethane	2.15	101	40187	5.292 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	19530	4.388 ug/L	95
12) 1,1-Dichloroethene	2.59	96	17706	4.213 ug/L	94
13) Acetone	2.66	43	49740	44.202 ug/L #	66
14) Carbon disulfide	2.81	76	50797	3.617 ug/L	98
15) Methyl Acetate	2.97	43	11014	4.277 ug/L	94
16) Methylene chloride	3.06	84	23953	4.892 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	49420	4.569 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	17765	4.160 ug/L	93
19) 1,1-Dichloroethane	3.89	63	38406	4.498 ug/L	97
21) 2-Butanone	4.73	43	80926	46.013 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	20423	4.636 ug/L	96

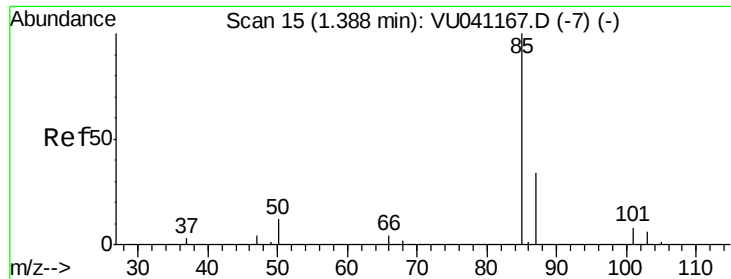
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
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 QLast Update : Wed Nov 11 00:43:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	11384	5.478	ug/L	92
25) Chloroform	5.11	83	49946	5.833	ug/L	97
27) 1,2-Dichloroethane	5.81	62	35059	5.497	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	39722	5.915	ug/L	95
30) Cyclohexane	5.40	56	32181	4.864	ug/L	97
31) Carbon tetrachloride	5.54	117	33891	5.700	ug/L	100
33) Benzene	5.79	78	100434	6.122	ug/L	100
34) Trichloroethene	6.55	95	21777	5.216	ug/L	96
35) Methylcyclohexane	6.77	83	28102	4.512	ug/L	97
37) 1,2-Dichloropropane	6.80	63	22246	5.011	ug/L	97
38) Bromodichloromethane	7.11	83	30424	5.284	ug/L #	97
39) cis-1,3-Dichloropropene	7.62	75	30359	4.967	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	177927	50.270	ug/L	99
42) Toluene	7.98	91	86384	5.193	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	30103	5.263	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	17079	5.168	ug/L	92
47) Tetrachloroethene	8.56	164	15401	5.017	ug/L	96
48) 2-Hexanone	8.69	43	139254	52.252	ug/L	97
49) Dibromochloromethane	8.82	129	21352	5.564	ug/L	97
50) 1,2-Dibromoethane	8.93	107	16975	5.391	ug/L #	90
51) Chlorobenzene	9.45	112	55298	5.242	ug/L	99
52) Ethylbenzene	9.57	91	96172	5.492	ug/L	99
53) m,p-Xylene	9.69	106	33271	5.210	ug/L	98
54) o-Xylene	10.10	106	32537	5.471	ug/L	98
55) Styrene	10.11	104	58000	5.473	ug/L	99
56) Isopropylbenzene	10.48	105	88957	5.562	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	23571	5.431	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	17335	5.240	ug/L	99
61) Bromoform	10.29	173	12083	4.480	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	54962	5.440	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	54376	5.197	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	49795	4.995	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	4387	4.490	ug/L	90
67) 1,3,5-Trichlorobenzene	13.21	180	35521	5.027	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	25353	4.332	ug/L	97
69) Naphthalene	14.08	128	42517	4.062	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	24684	4.576	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.677 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

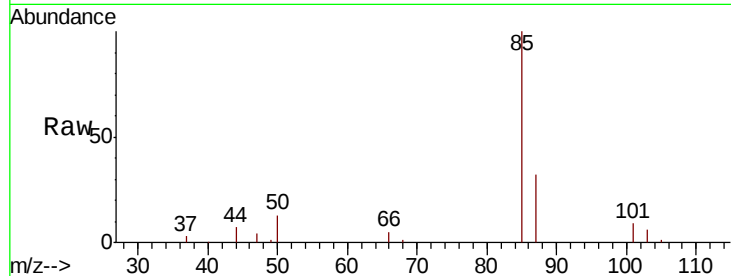
VSTD00525

Tot Ion: 85 Resp: 25404

Ion Ratio Lower Upper

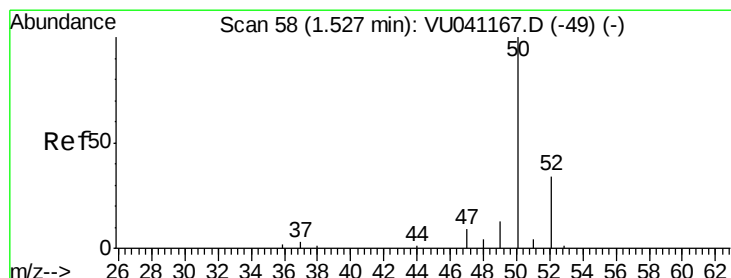
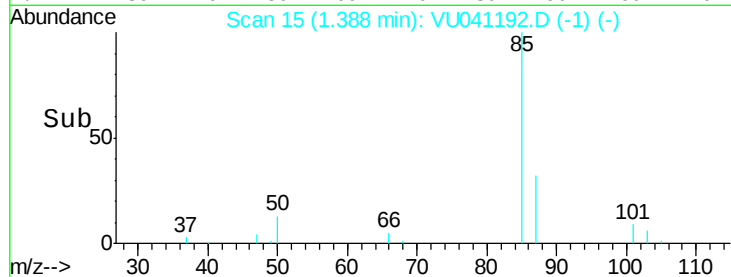
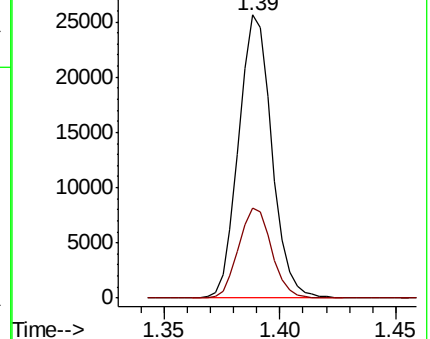
85 100

87 31.6 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: 4.089 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041192.D

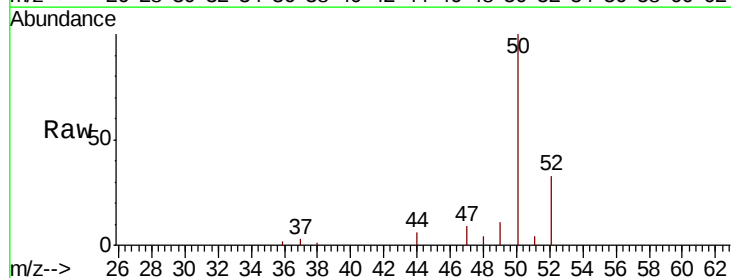
Acq: 10 Nov 2020 21:06

Tgt Ion: 50 Resp: 23160

Ion Ratio Lower Upper

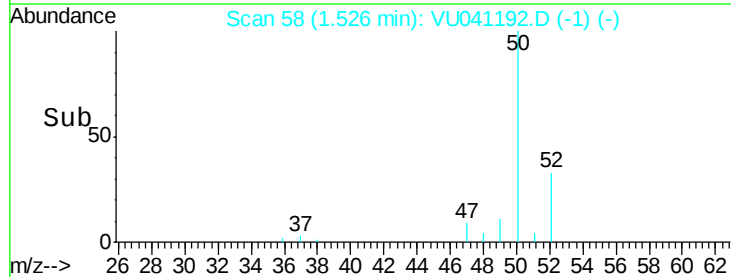
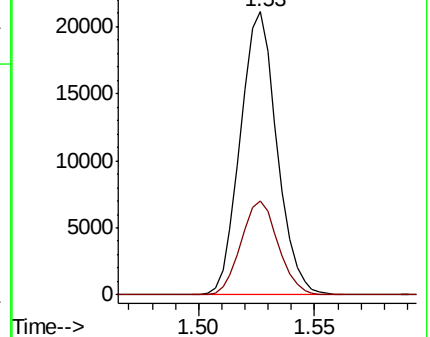
50 100

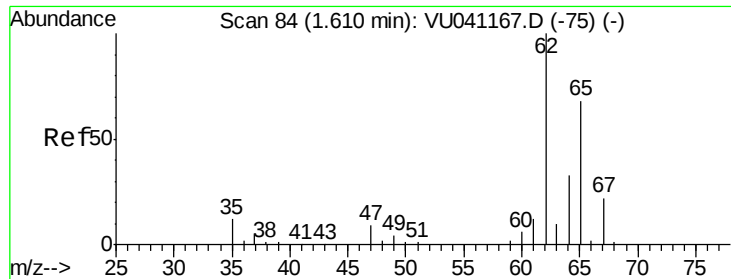
52 33.3 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.251 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

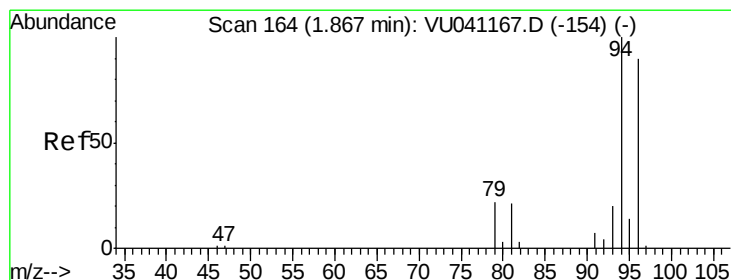
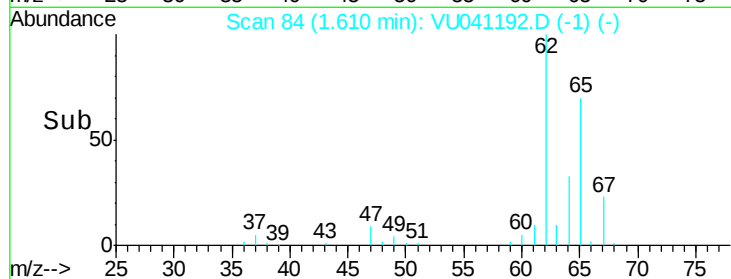
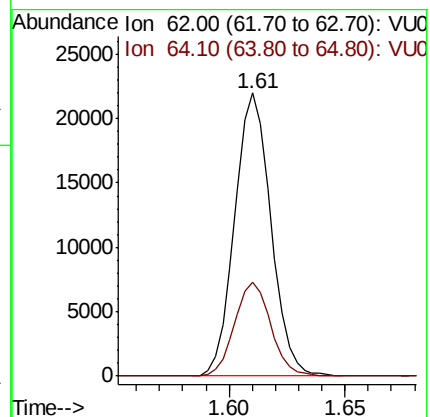
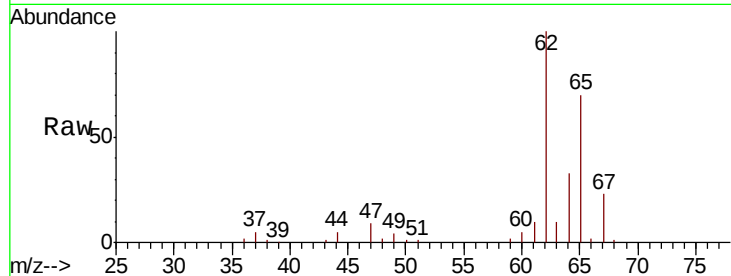
VSTD00525

Tot Ion: 62 Resp: 23752

Ion Ratio Lower Upper

62 100

64 33.0 22.7 42.3



#6

Bromomethane

Concen: 4.589 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041192.D

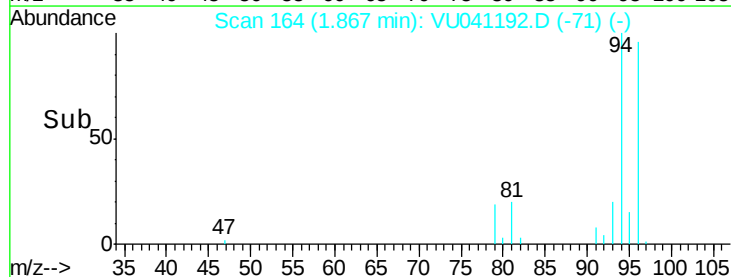
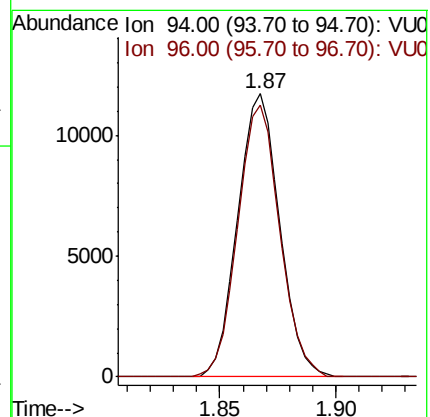
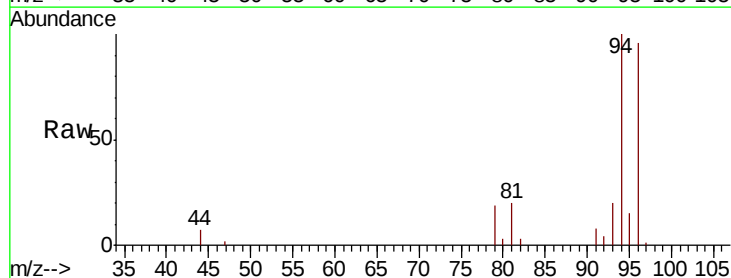
Acq: 10 Nov 2020 21:06

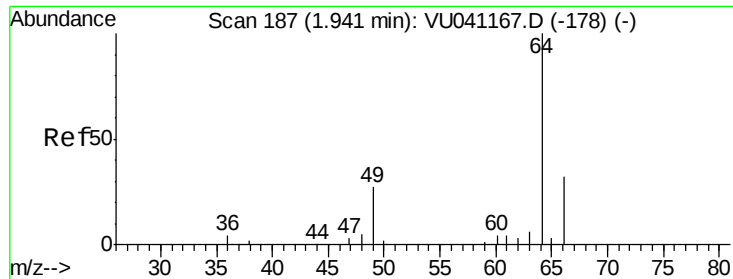
Tgt Ion: 94 Resp: 14696

Ion Ratio Lower Upper

94 100

96 96.2 63.5 117.9

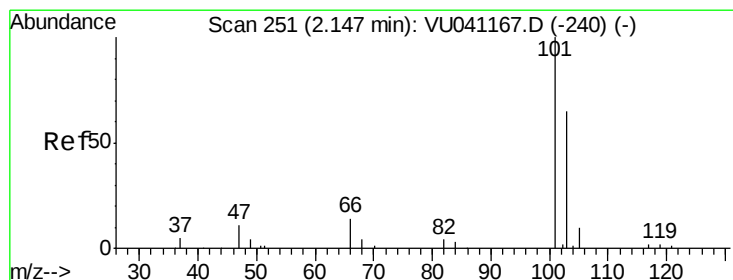
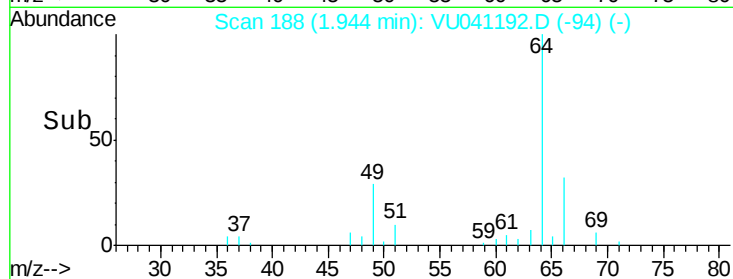
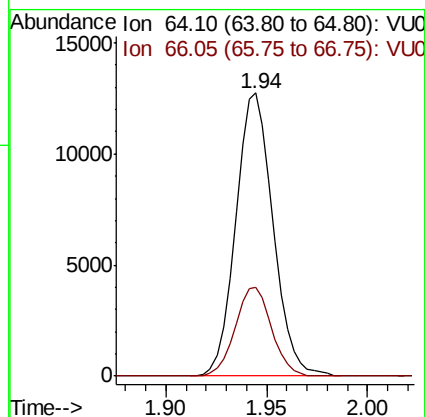
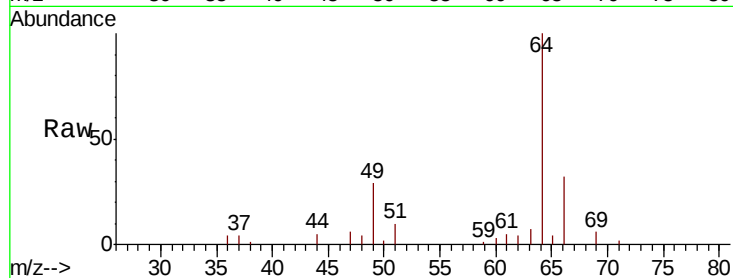




#8
 Chloroethane
 Concen: 4.671 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

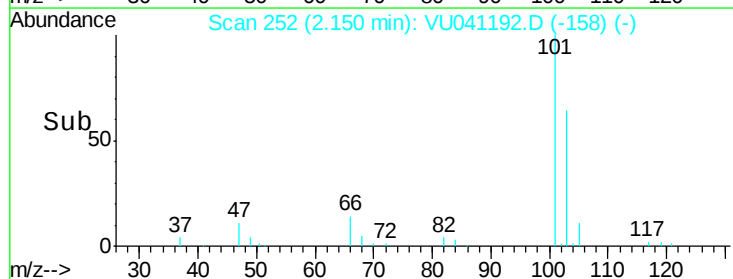
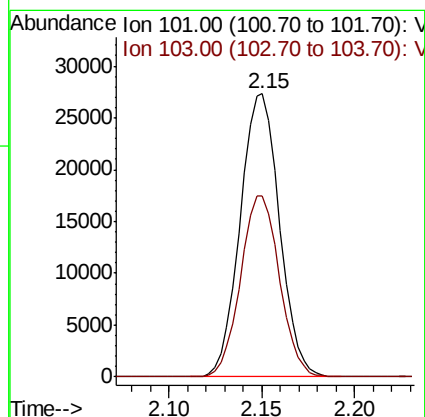
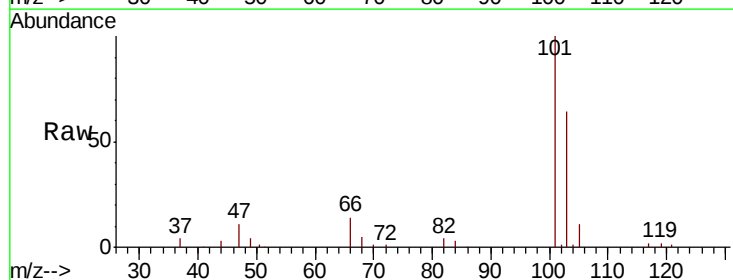
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

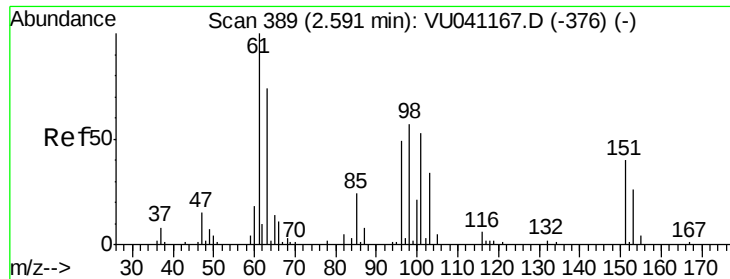
Tot Ion: 64 Resp: 16535
 Ion Ratio Lower Upper
 64 100
 66 31.6 22.3 41.5



#9
 Trichlorofluoromethane
 Concen: 5.292 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

Tgt Ion: 101 Resp: 40187
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.0 76.4





#10

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

Concen: 4.388 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

Instrument :

MSVOA_U

ClientSampled :

VSTD00525

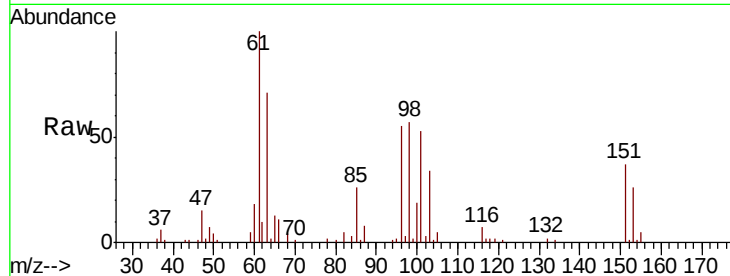
Tot Ion:101 Resp: 19530

Ion Ratio Lower Upper

101 100

85 48.1 35.0 52.4

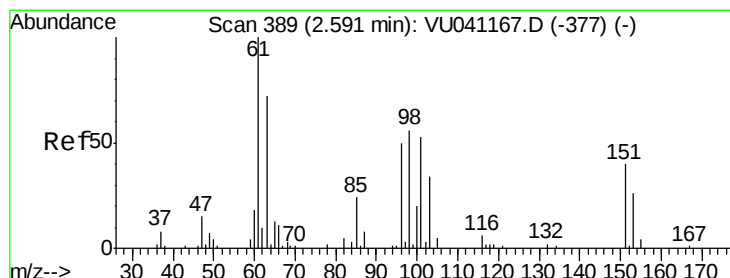
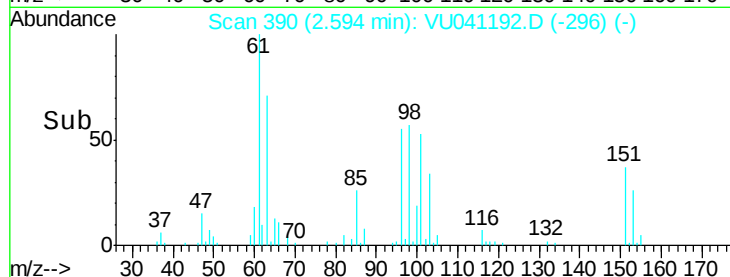
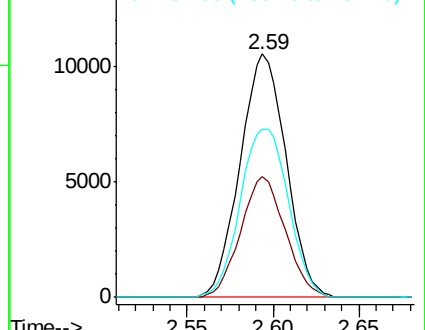
151 72.5 55.3 82.9



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: 4.213 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

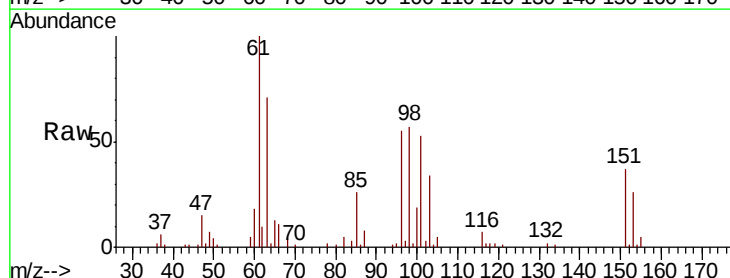
Tgt Ion: 96 Resp: 17706

Ion Ratio Lower Upper

96 100

61 181.1 134.3 249.5

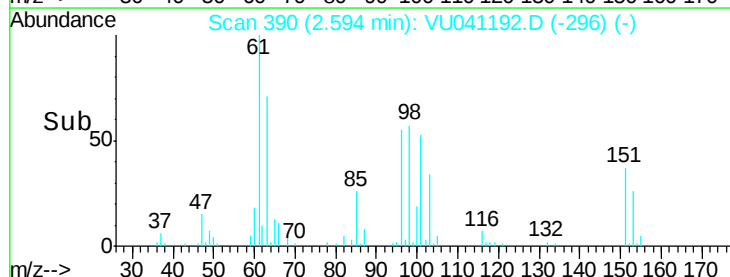
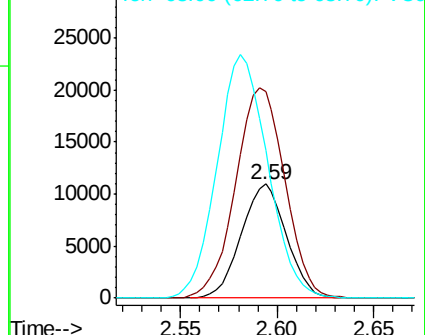
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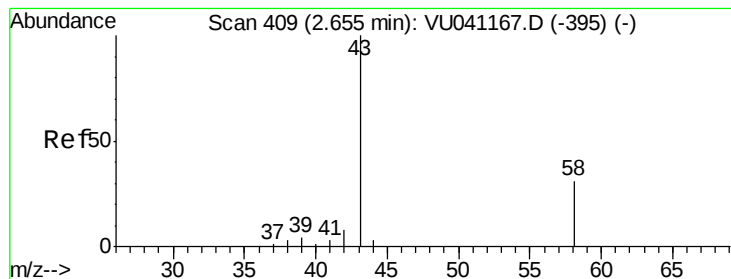


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.202 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

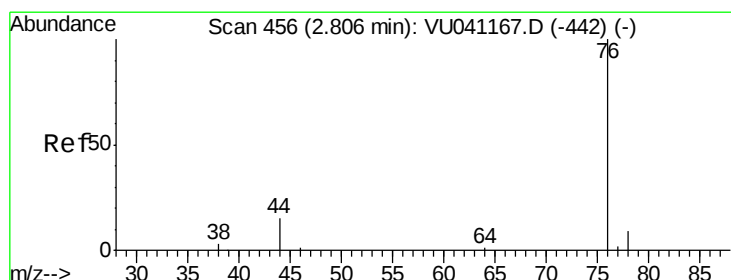
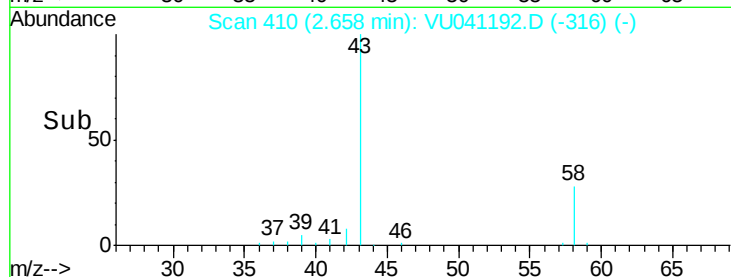
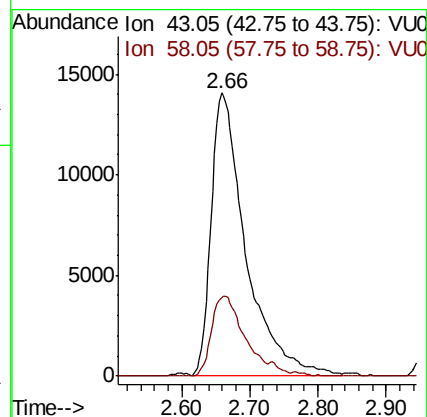
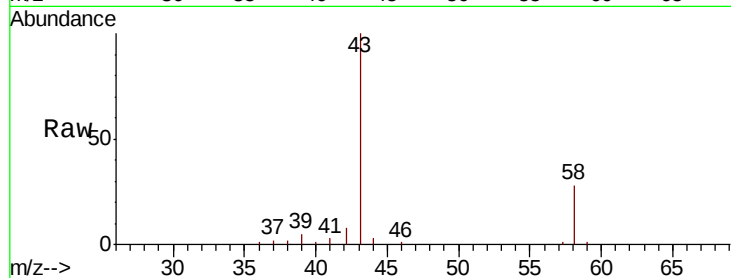
VSTD00525

Tot Ion: 43 Resp: 49740

Ion Ratio Lower Upper

43 100

58 26.1 0.0 25.4#



#14

Carbon disulfide

Concen: 3.617 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041192.D

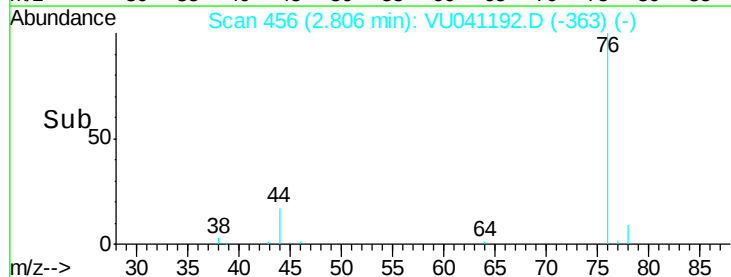
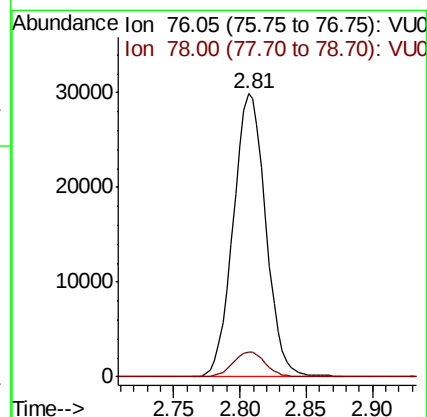
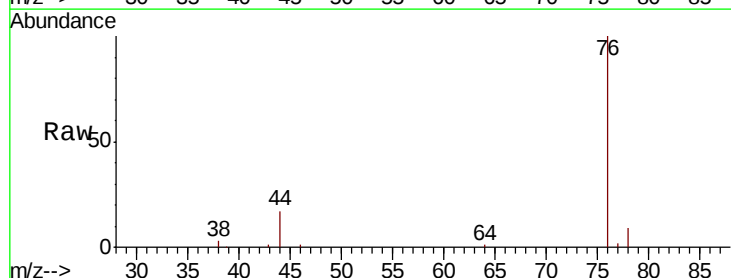
Acq: 10 Nov 2020 21:06

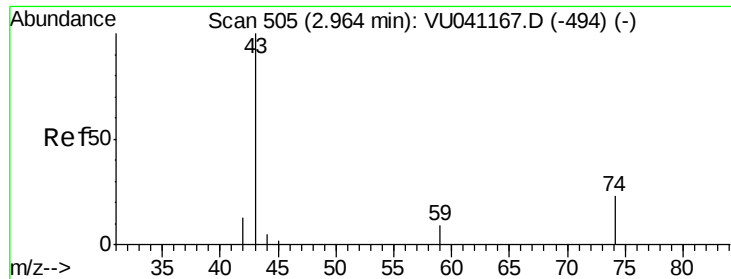
Tgt Ion: 76 Resp: 50797

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

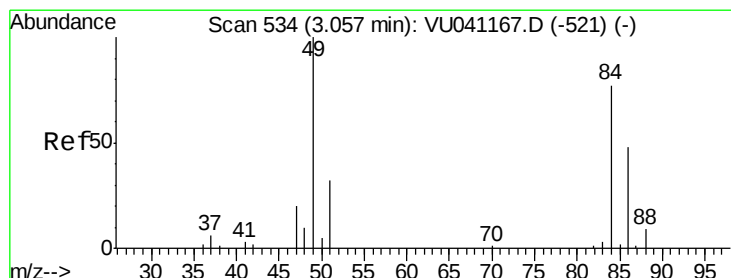
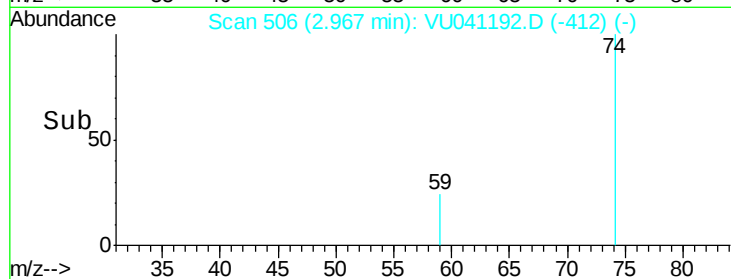
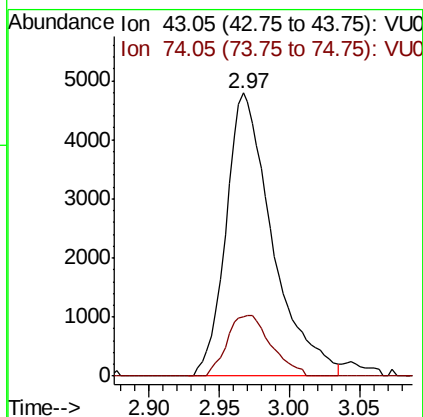
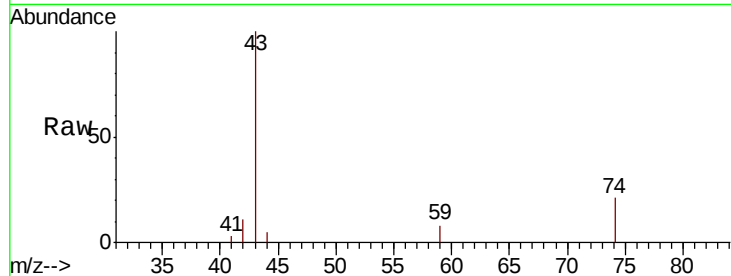




#15
Methvl Acetate
Concen: 4.277 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041192.D
Acq: 10 Nov 2020 21:06

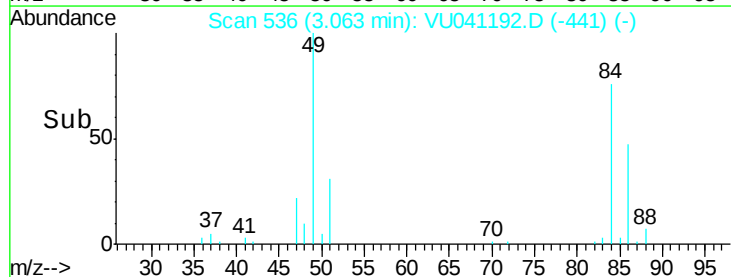
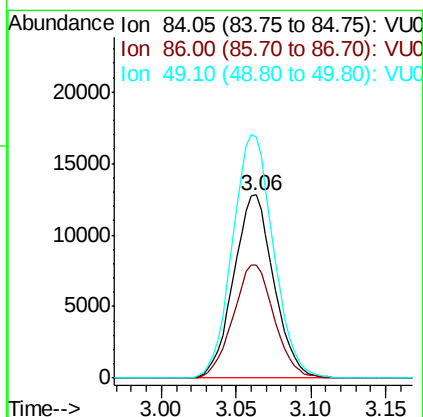
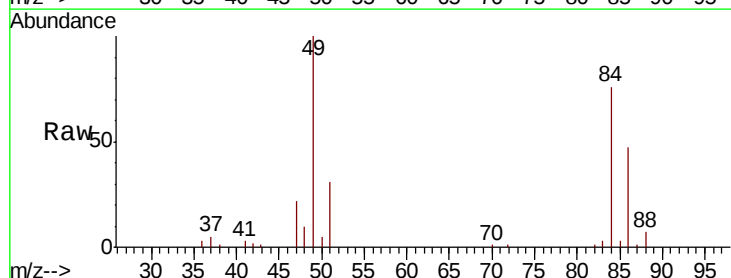
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

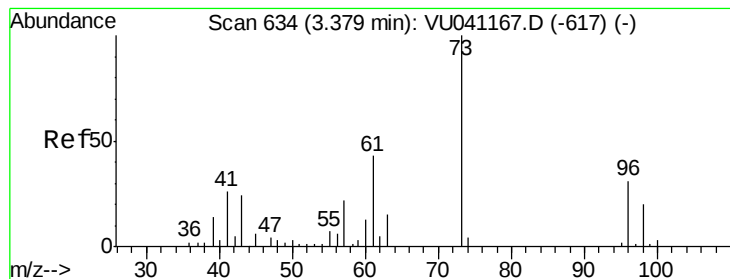
Tot Ion: 43 Resp: 11014
Ion Ratio Lower Upper
43 100
74 20.2 18.3 27.5



#16
Methylene chloride
Concen: 4.892 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.01 min
Lab File: VU041192.D
Acq: 10 Nov 2020 21:06

Tgt Ion: 84 Resp: 23953
Ion Ratio Lower Upper
84 100
86 61.6 42.8 79.6
49 131.5 99.5 184.7



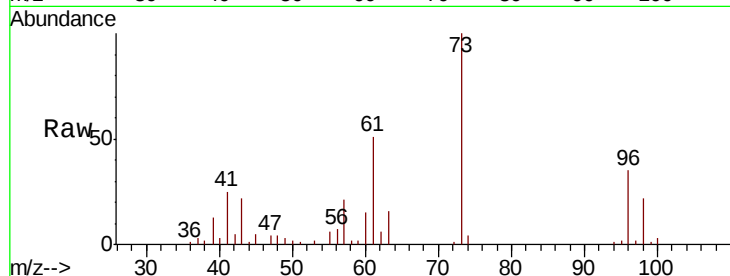


#17

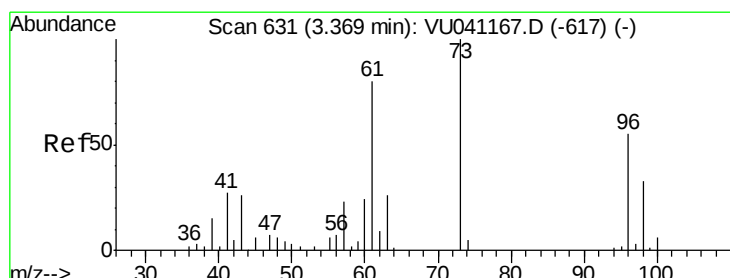
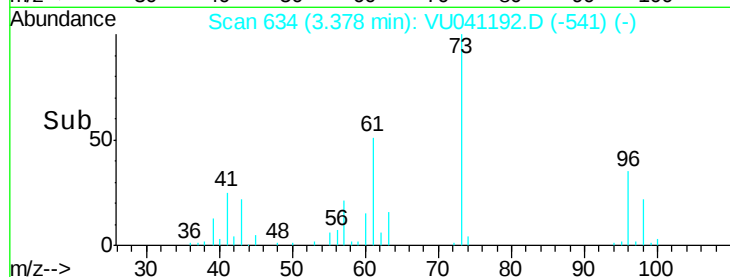
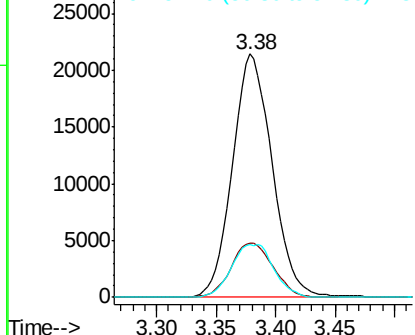
Methyl tert-butyl Ether
 Concen: 4.569 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion: 73 Resp: 49420
 Ion Ratio Lower Upper
 73 100
 43 23.7 18.5 27.7
 57 23.2 18.4 27.6



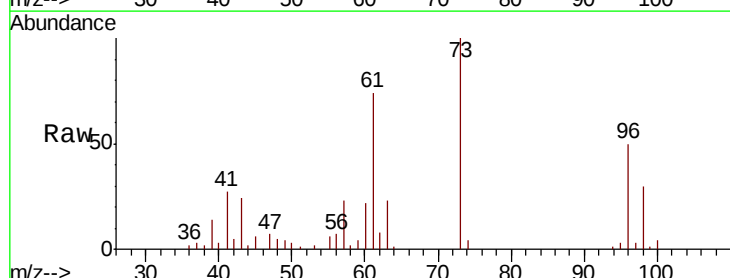
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



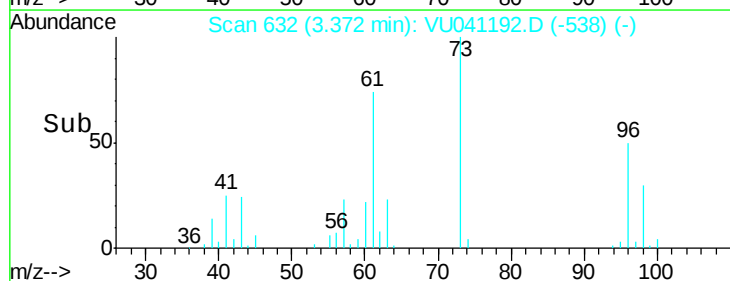
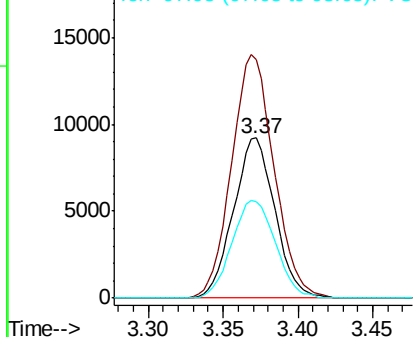
#18

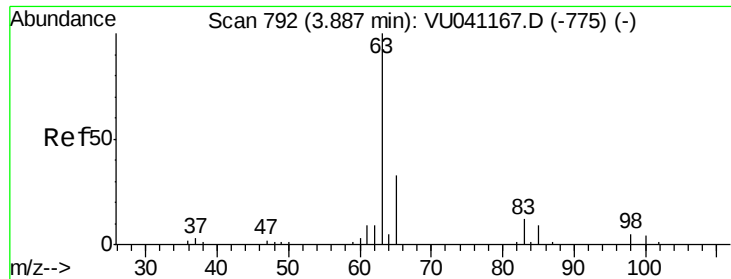
trans-1,2-Dichloroethene
 Concen: 4.160 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

Tgt Ion: 96 Resp: 17765
 Ion Ratio Lower Upper
 96 100
 61 149.0 110.9 205.9
 98 60.3 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

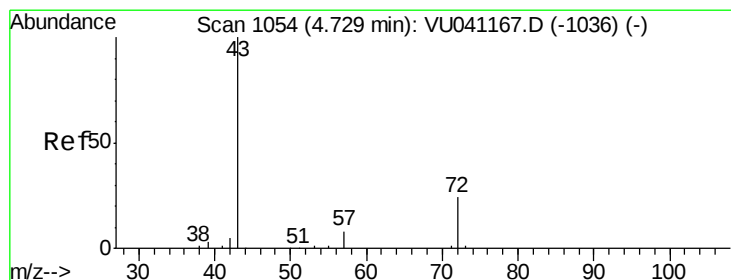
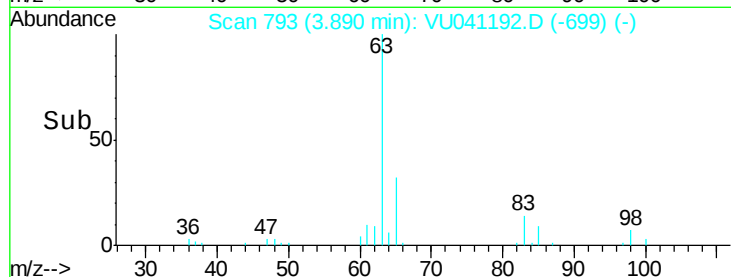
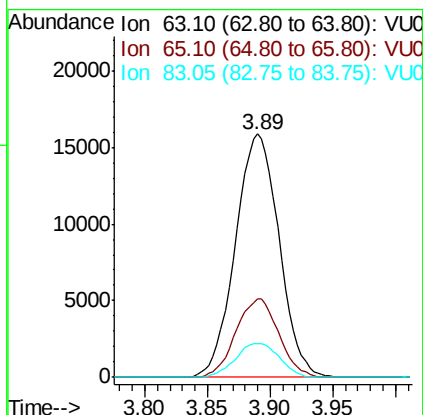
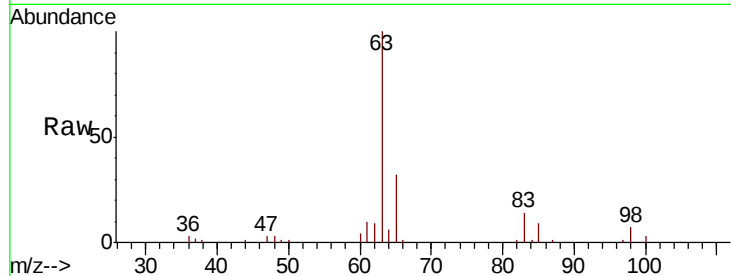




#19
 1,1-Dichloroethane
 Concen: 4.498 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

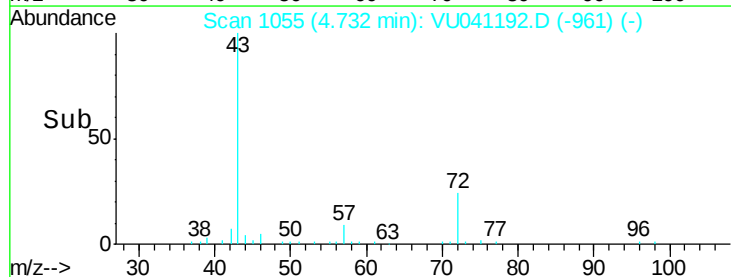
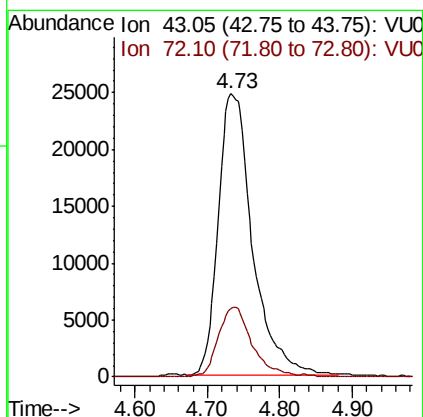
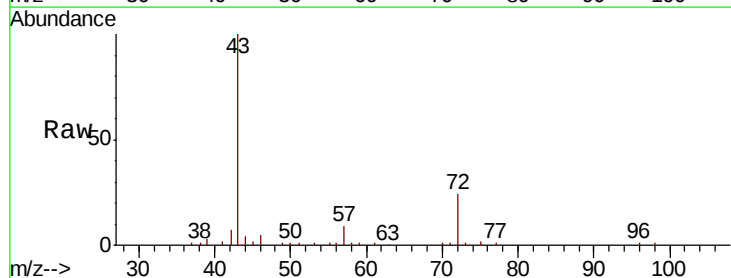
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

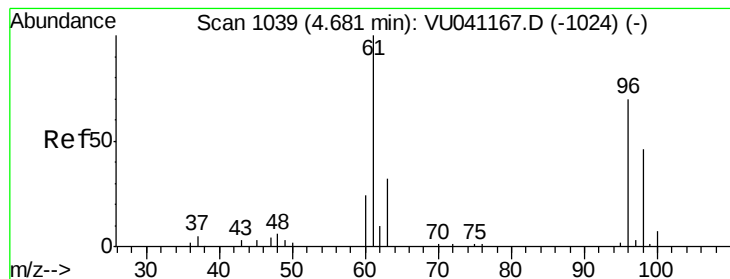
Tot Ion: 63 Resp: 38406
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.3 39.6
 83 14.0 8.8 16.3



#21
 2-Butanone
 Concen: 46.013 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

Tgt Ion: 43 Resp: 80926
 Ion Ratio Lower Upper
 43 100
 72 24.5 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 4.636 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

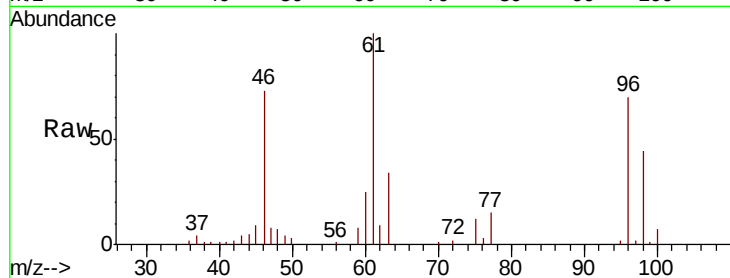
Tot Ion: 96 Resp: 20423

Ion Ratio Lower Upper

96 100

61 143.6 97.2 180.4

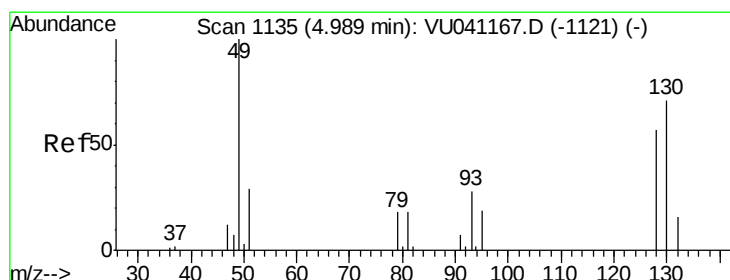
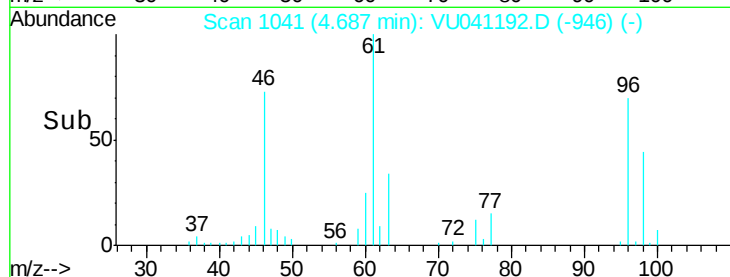
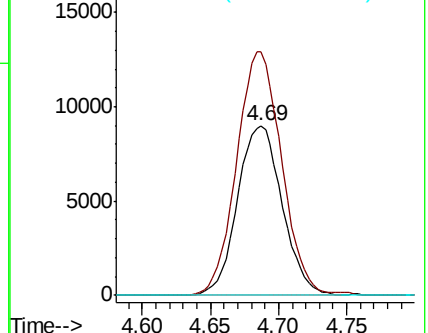
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041192.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU041192.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU041192.D (-946) (-)



#23

Bromochloromethane

Concen: 5.478 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

Tgt Ion:128 Resp: 11384

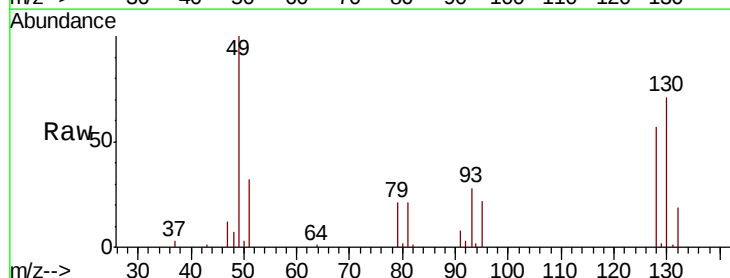
Ion Ratio Lower Upper

128 100

49 176.7 135.0 250.8

130 124.7 89.9 167.0

51 55.8 51.9 77.9

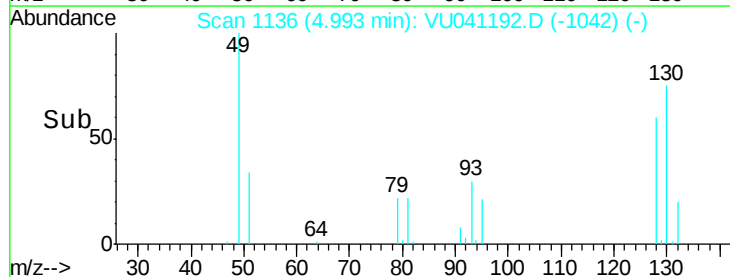
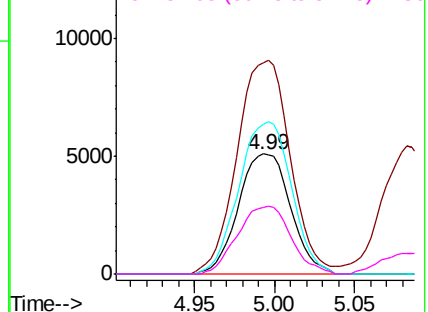


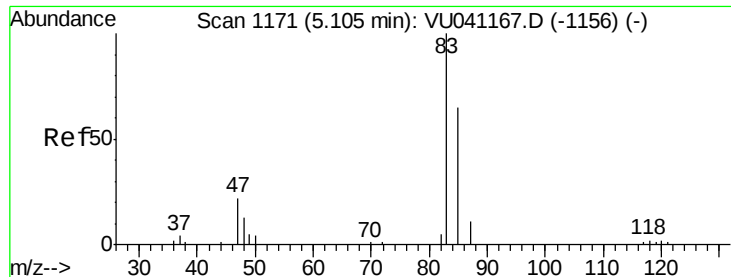
Abundance Ion 127.90 (127.60 to 128.60): VU041192.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU041192.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU041192.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU041192.D (-1042) (-)

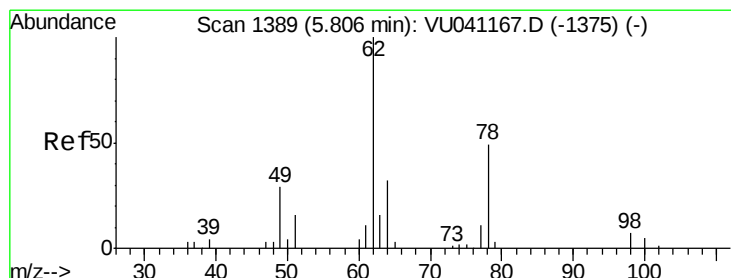
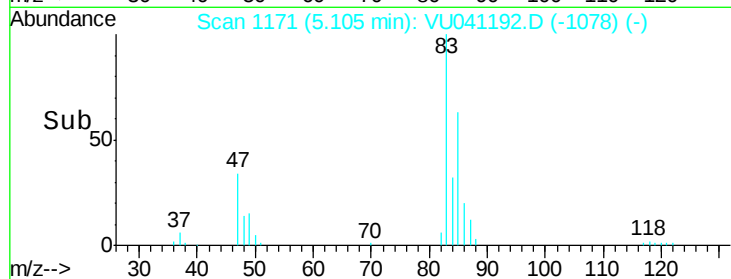
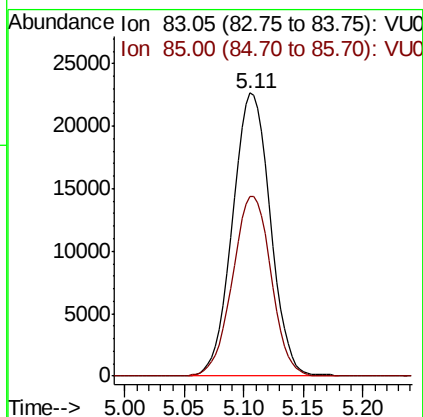
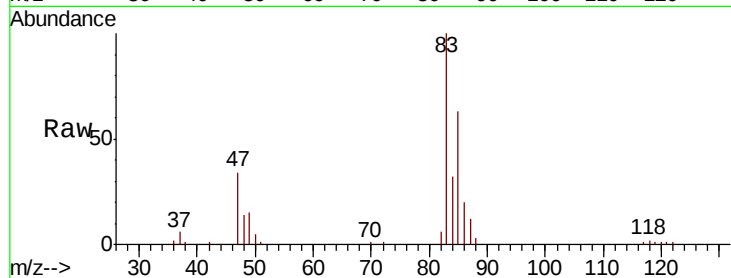




#25
Chloroform
Concen: 5.833 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041192.D
Acq: 10 Nov 2020 21:06

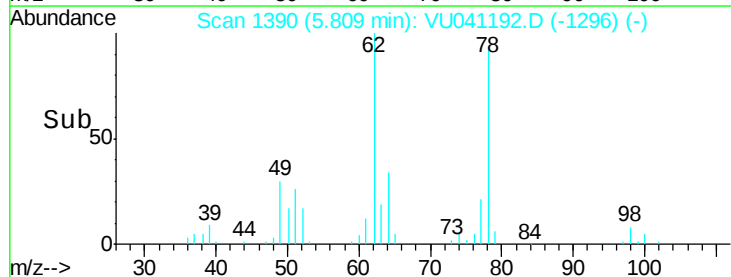
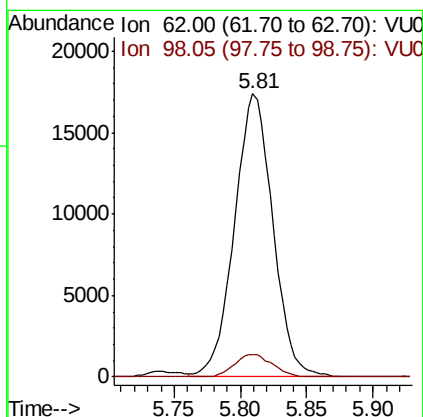
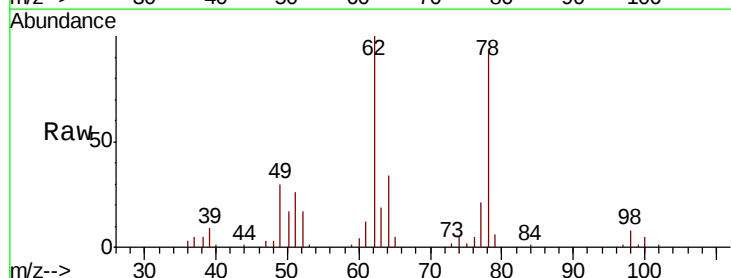
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

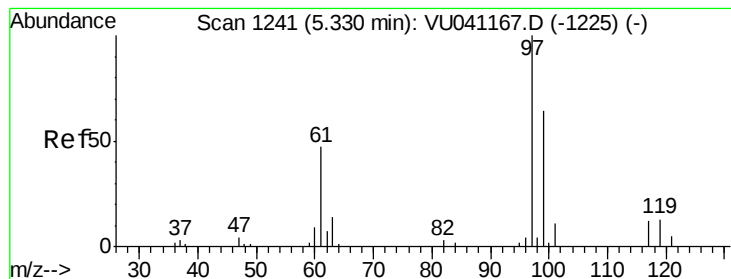
Tot Ion: 83 Resp: 49946
Ion Ratio Lower Upper
83 100
85 63.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.497 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041192.D
Acq: 10 Nov 2020 21:06

Tgt Ion: 62 Resp: 35059
Ion Ratio Lower Upper
62 100
98 8.0 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.915 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

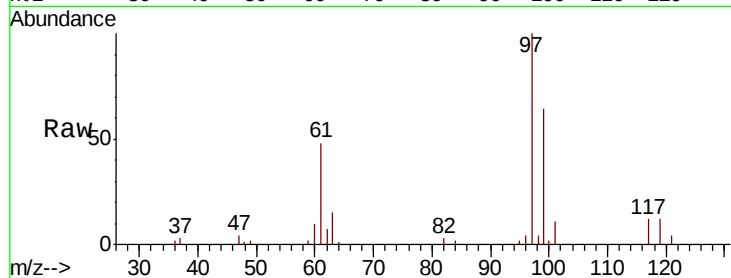
Tot Ion: 97 Resp: 39722

Ion Ratio Lower Upper

97 100

99 63.0 53.4 80.0

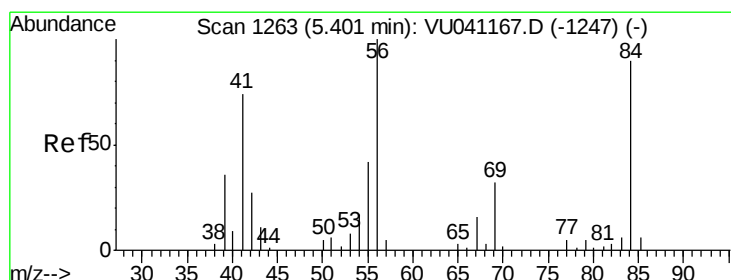
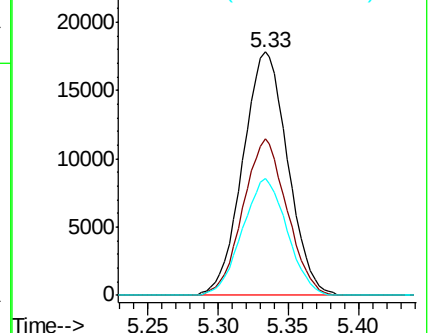
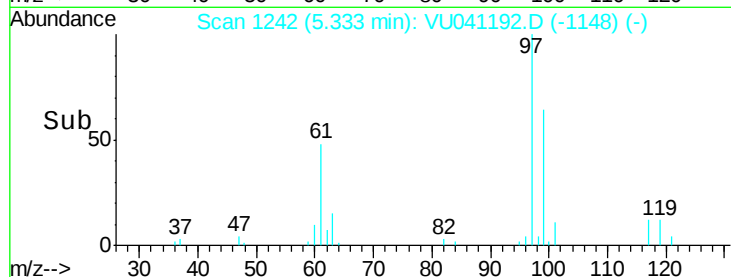
61 47.6 41.6 62.4



Abundance Ion 96.95 (96.65 to 97.65): VU041192.D (-1148) (-)

Ion 99.05 (98.75 to 99.75): VU041192.D (-1148) (-)

Ion 61.05 (60.75 to 61.75): VU041192.D (-1148) (-)



#30

Cyclohexane

Concen: 4.864 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

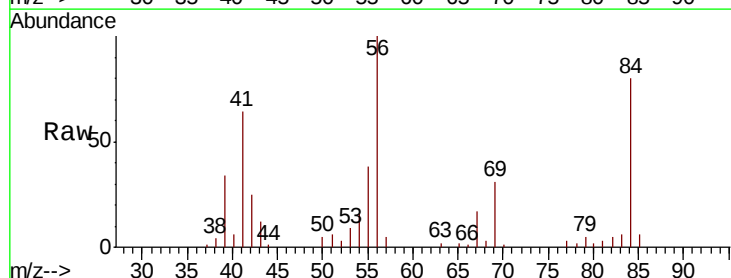
Tgt Ion: 56 Resp: 32181

Ion Ratio Lower Upper

56 100

69 30.5 22.8 34.2

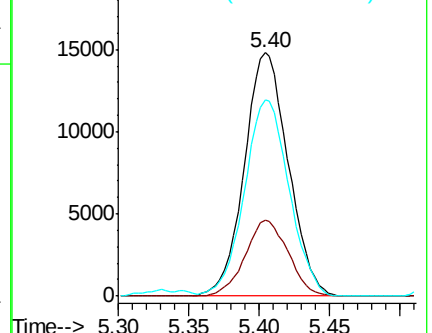
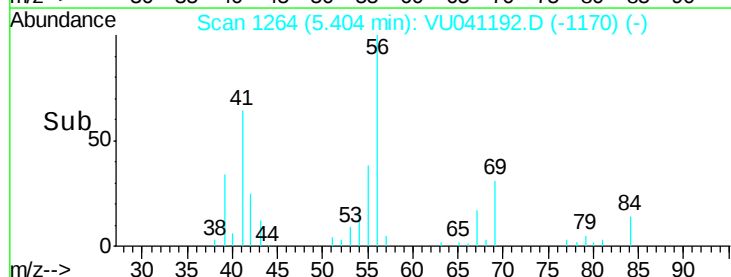
84 82.2 63.6 95.4

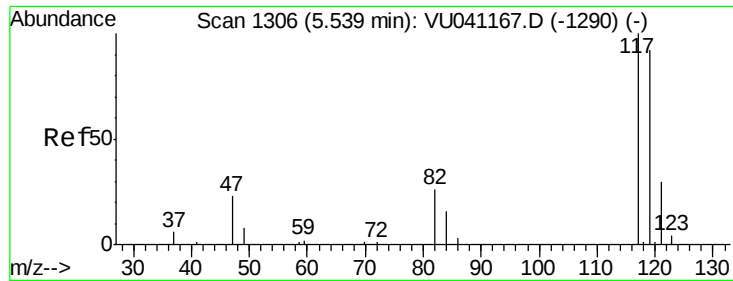


Abundance Ion 56.10 (55.80 to 56.80): VU041192.D (-1170) (-)

Ion 69.15 (68.85 to 69.85): VU041192.D (-1170) (-)

Ion 84.15 (83.85 to 84.85): VU041192.D (-1170) (-)





#31

Carbon tetrachloride

Concen: 5.700 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

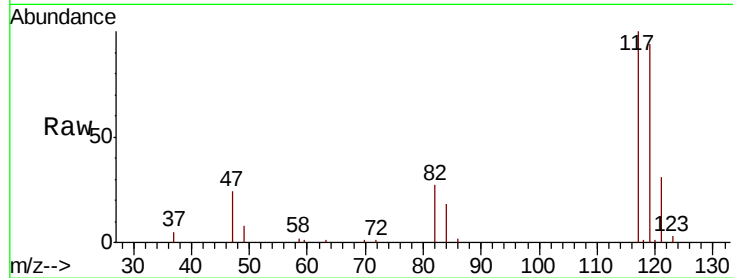
VSTD00525

Tot Ion:117 Resp: 33891

Ion Ratio Lower Upper

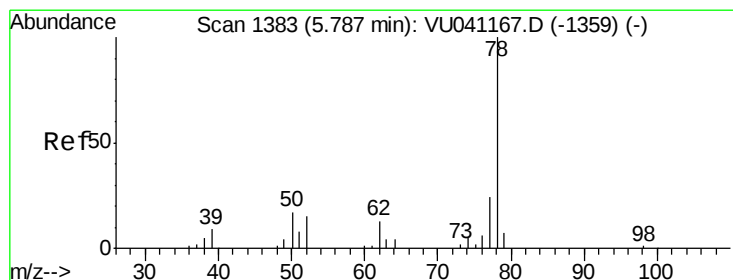
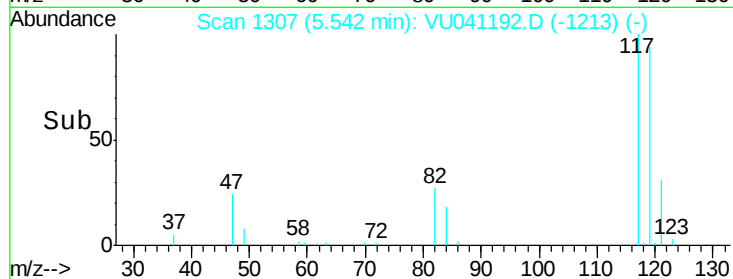
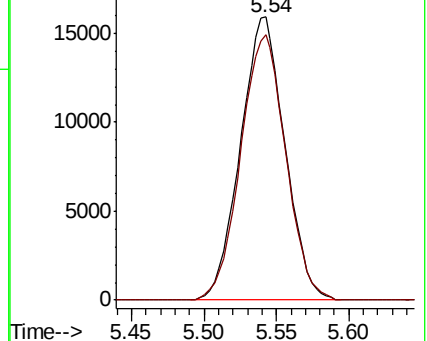
117 100

119 95.0 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: 6.122 ug/L

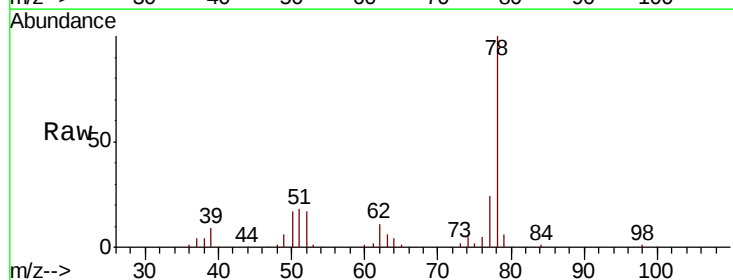
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

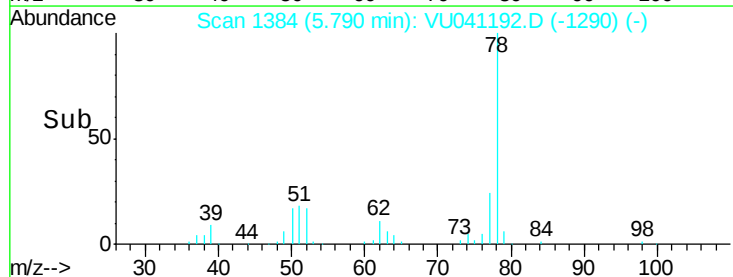
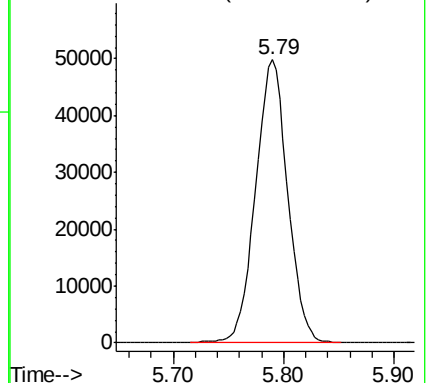
Lab File: VU041192.D

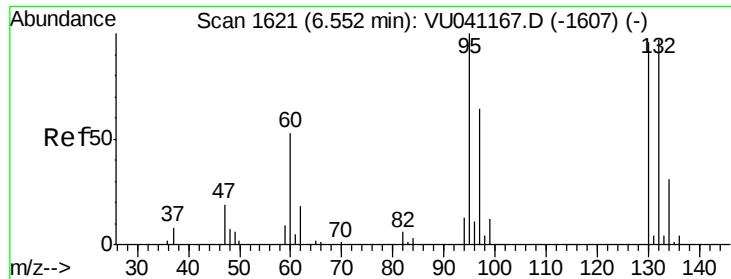
Acq: 10 Nov 2020 21:06

Tgt Ion: 78 Resp: 100434



Abundance Ion 78.10 (77.80 to 78.80): VU0

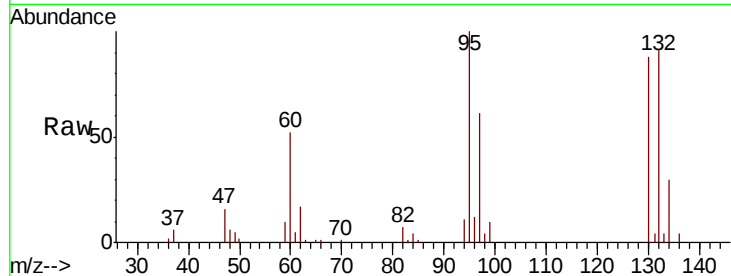




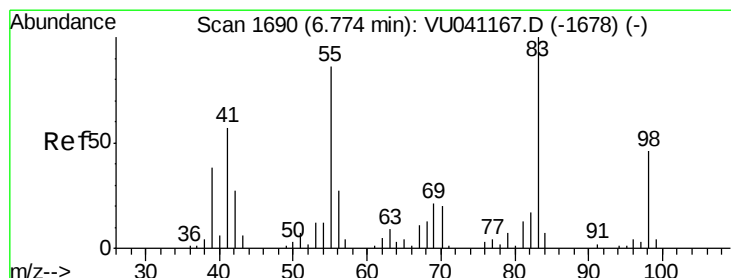
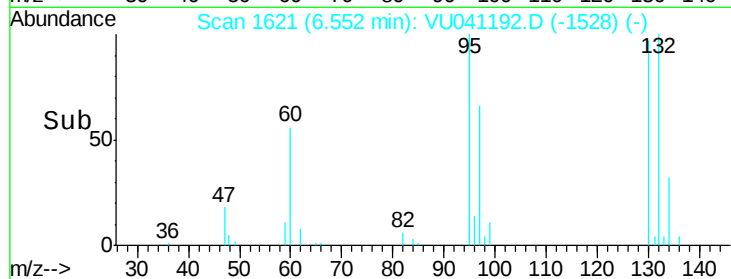
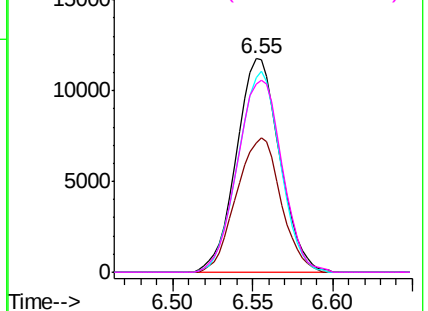
#34
 Trichloroethene
 Concen: 5.216 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion: 95 Resp: 21777
 Ion Ratio Lower Upper
 95 100
 97 60.6 45.6 84.6
 132 91.2 64.8 120.4
 130 88.1 64.8 120.4

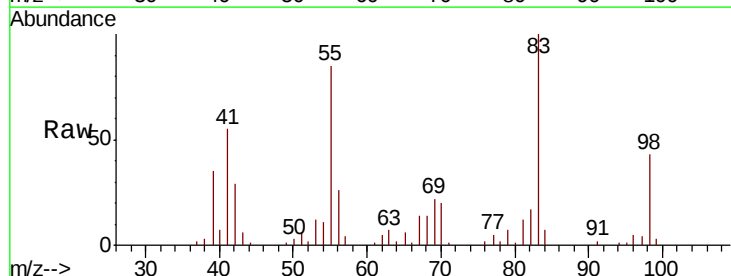


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

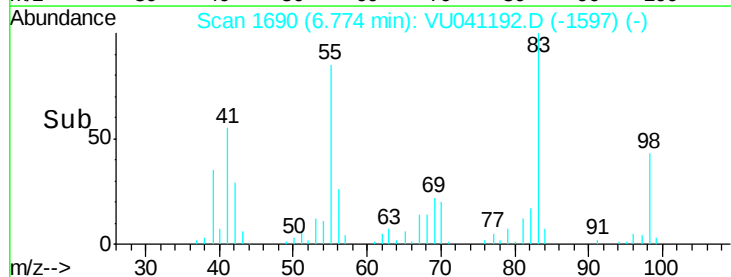
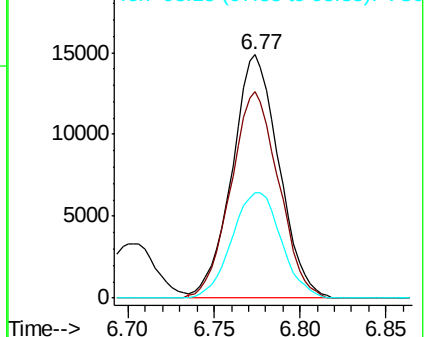


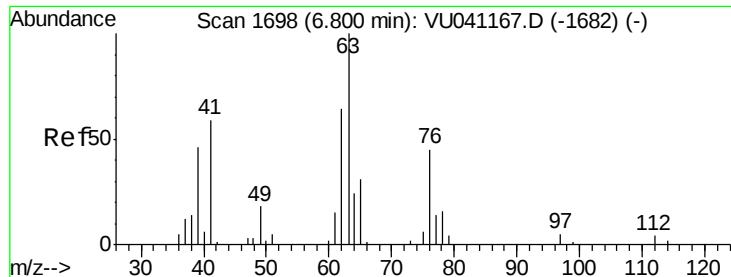
#35
 Methylcyclohexane
 Concen: 4.512 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

Tgt Ion: 83 Resp: 28102
 Ion Ratio Lower Upper
 83 100
 55 86.2 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

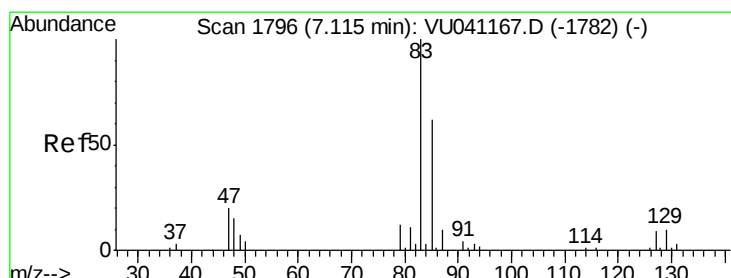
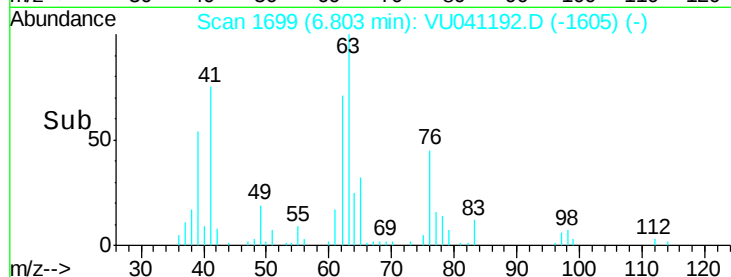
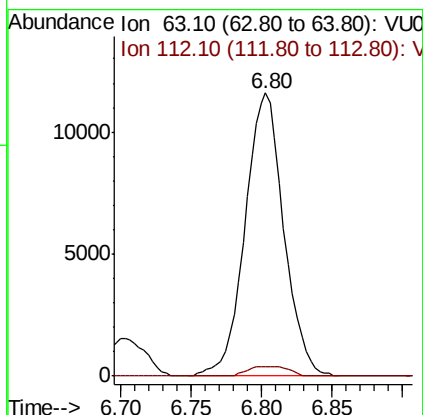
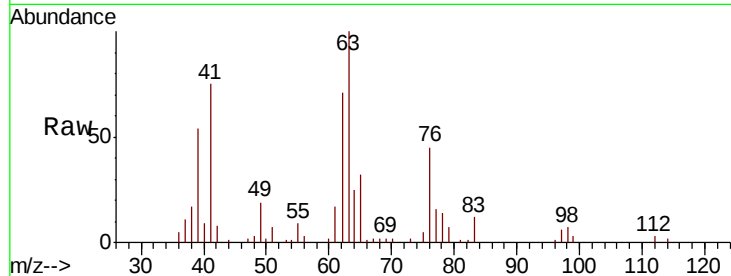




#37
 1,2-Dichloropropane
 Concen: 5.011 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

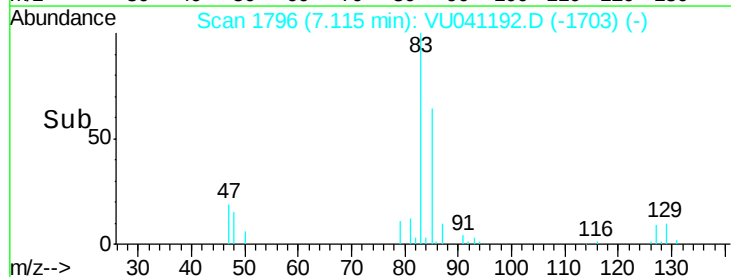
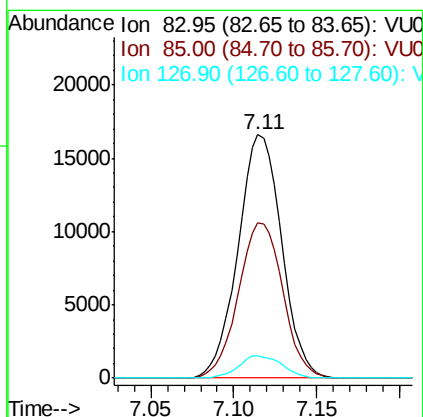
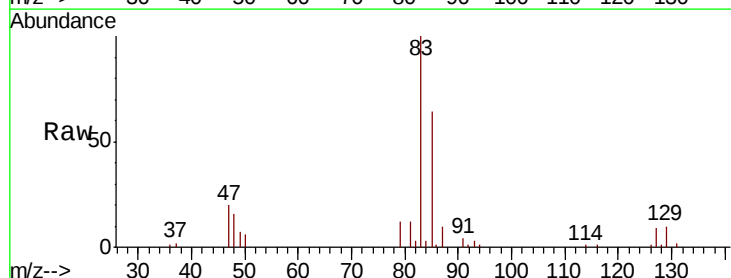
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

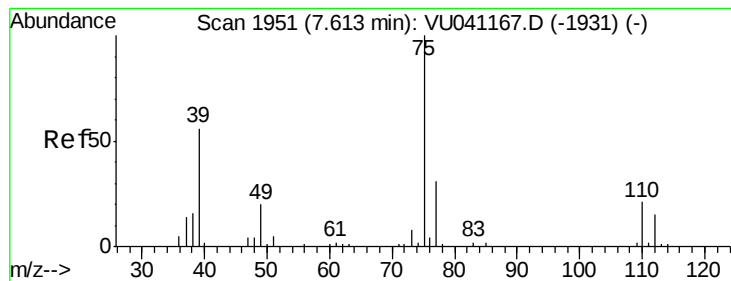
Tot Ion: 63 Resp: 22246
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.284 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

Tgt Ion: 83 Resp: 30424
 Ion Ratio Lower Upper
 83 100
 85 63.9 43.3 80.3
 127 9.1 5.9 8.9#



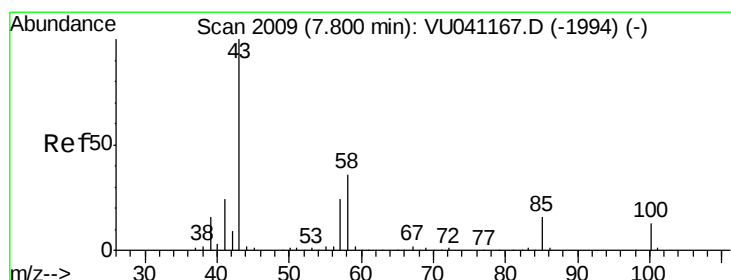
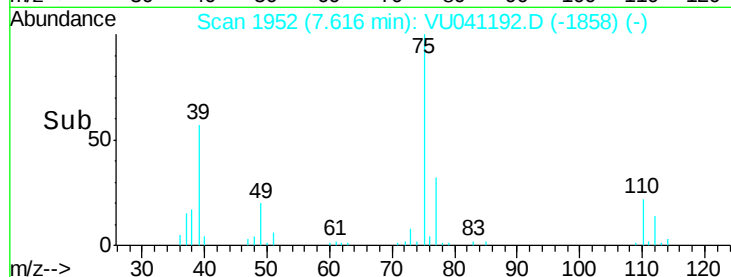
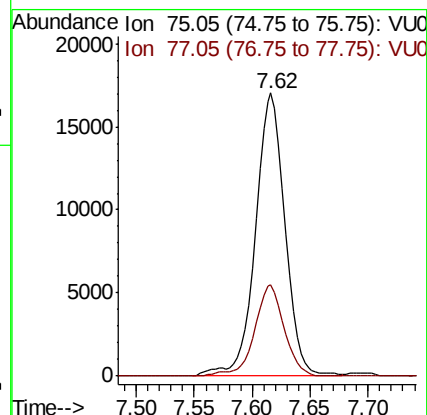
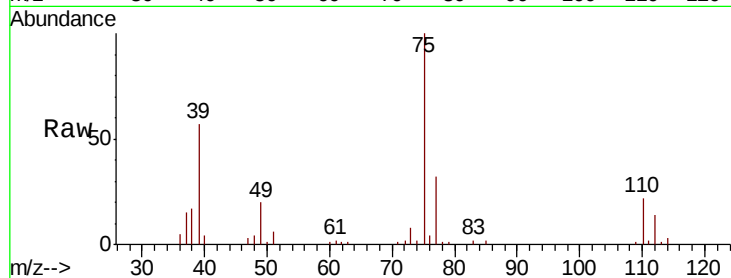


#39

cis-1,3-Dichloropropene
Concen: 4.967 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VU041192.D
Acq: 10 Nov 2020 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

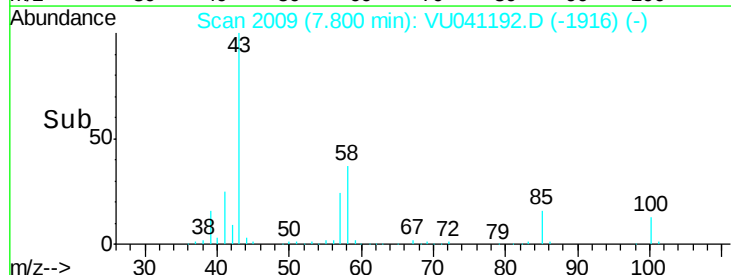
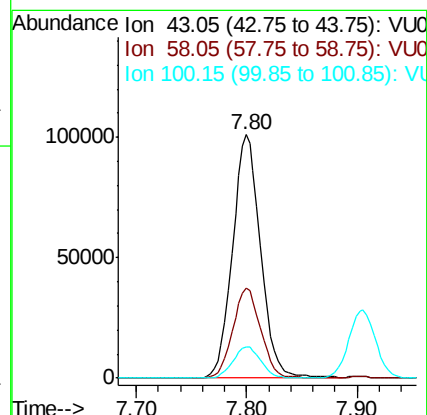
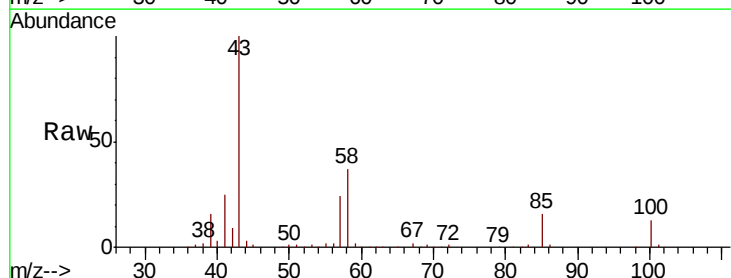
Tot Ion: 75 Resp: 30359
Ion Ratio Lower Upper
75 100
77 32.2 22.7 42.3

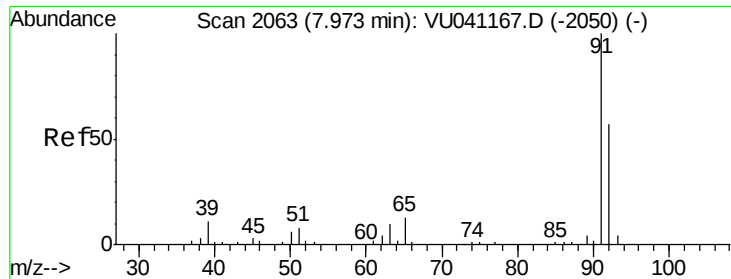


#40

4-Methyl-2-pentanone
Concen: 50.270 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VU041192.D
Acq: 10 Nov 2020 21:06

Tgt Ion: 43 Resp: 177927
Ion Ratio Lower Upper
43 100
58 36.7 29.8 44.6
100 12.8 10.5 15.7





#42

Toluene

Concen: 5.193 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

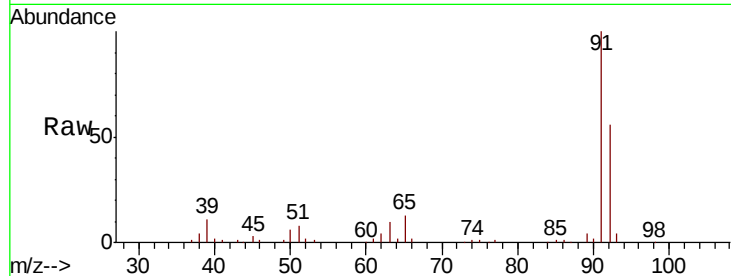
VSTD00525

Tot Ion: 91 Resp: 86384

Ion Ratio Lower Upper

91 100

92 55.9 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041167.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU041167.D (-2050) (-)

7.98

60000

50000

40000

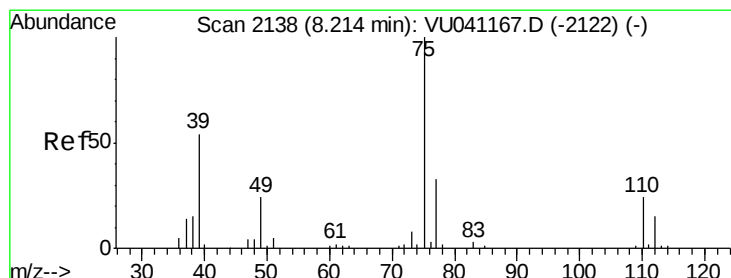
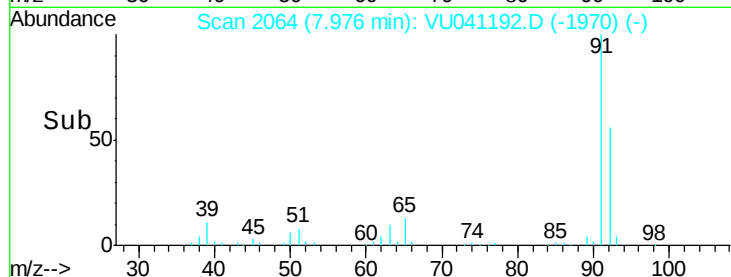
30000

20000

10000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.263 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041192.D

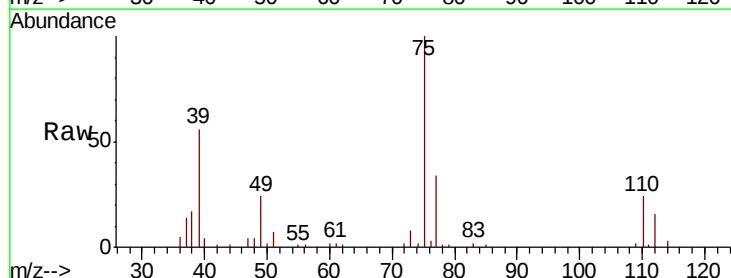
Acq: 10 Nov 2020 21:06

Tgt Ion: 75 Resp: 30103

Ion Ratio Lower Upper

75 100

77 34.4 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041167.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041167.D (-2122) (-)

8.22

20000

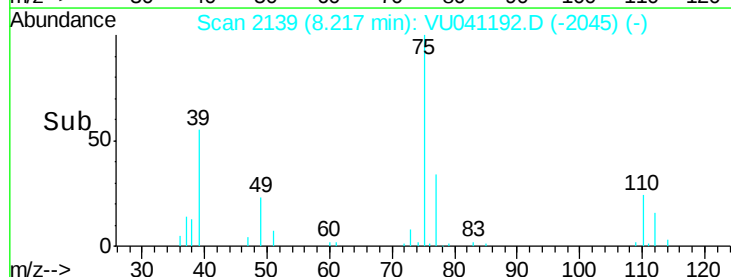
15000

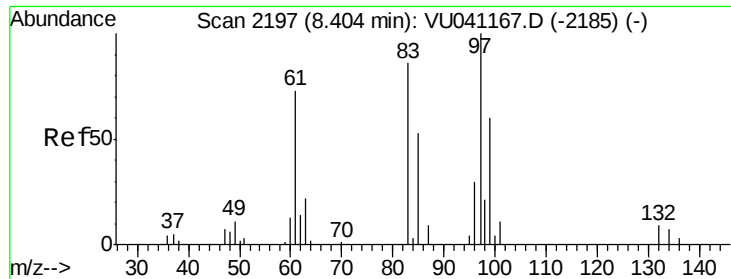
10000

5000

0

Time-->

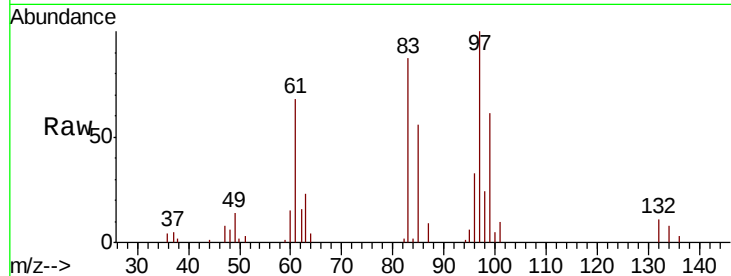




#45
 1,1,2-Trichloroethane
 Concen: 5.168 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion:	97	Resp:	17079
Ion	Ratio	Lower	Upper
97	100		
99	60.8	45.8	85.2
83	86.6	67.9	126.1
85	56.3	42.8	79.6



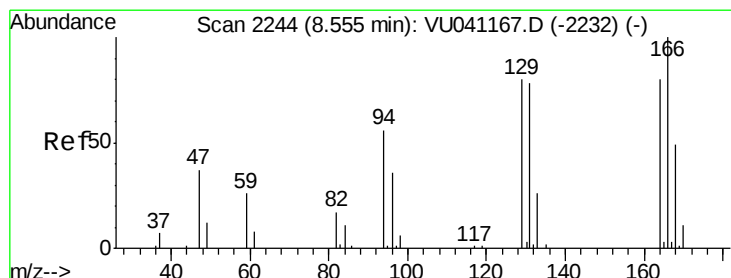
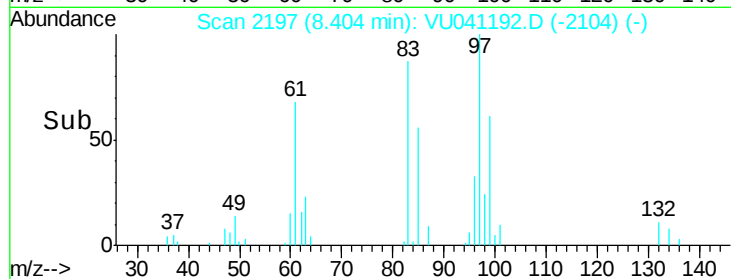
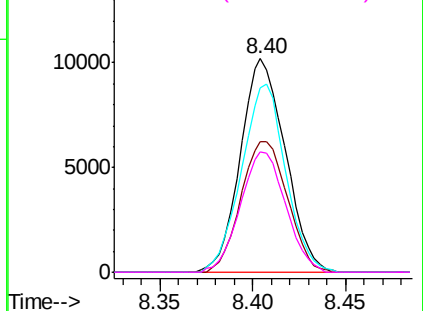
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

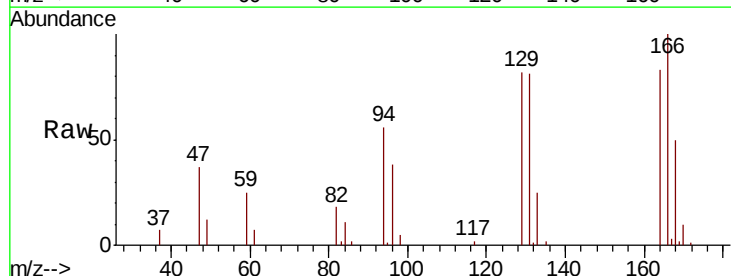
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.017 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

Tgt Ion:	164	Resp:	15401
Ion	Ratio	Lower	Upper
164	100		
129	99.5	70.3	130.7
131	98.7	70.8	131.4
166	121.2	92.0	170.8



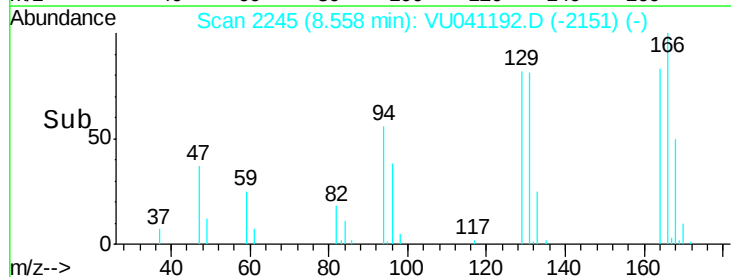
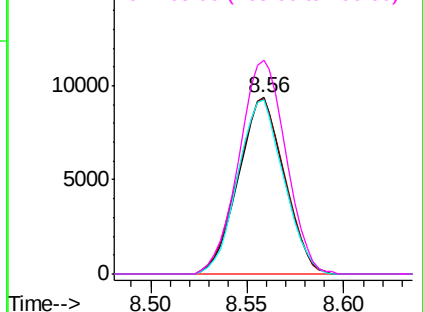
Abundance

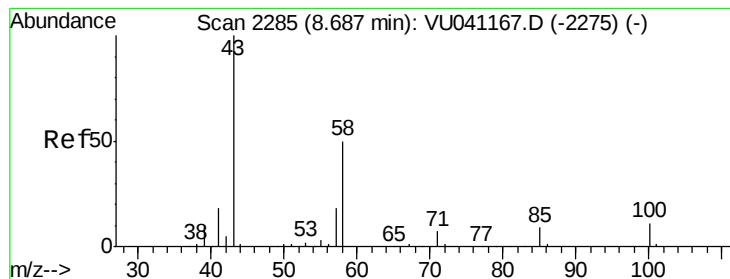
Ion 163.90 (163.60 to 164.60): V

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: 52.252 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

Tot Ion: 43 Resp: 139254

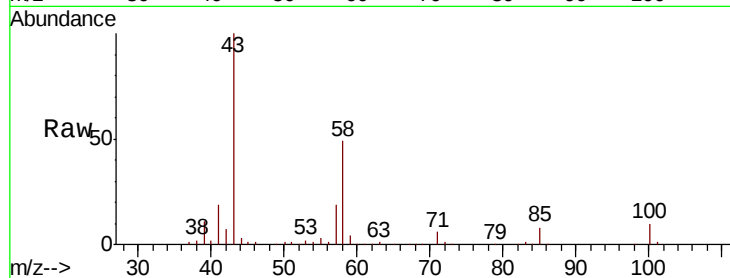
Ion Ratio Lower Upper

43 100

58 48.6 41.4 62.2

57 18.4 14.6 21.8

100 10.1 8.3 12.5

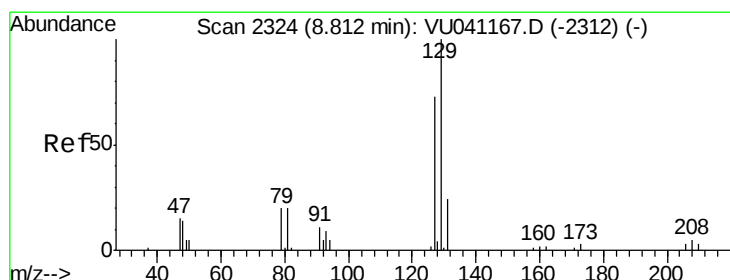
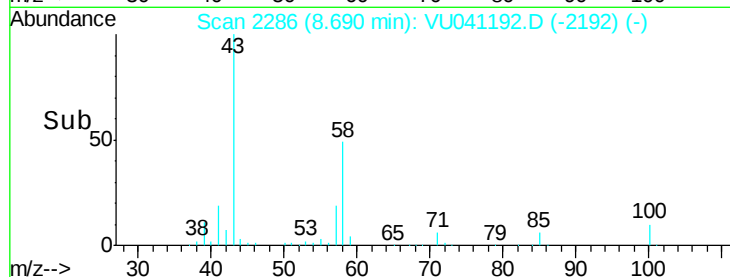
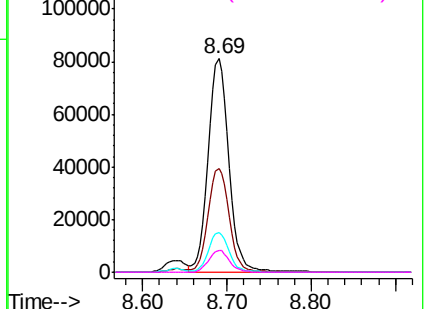


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 5.564 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU041192.D

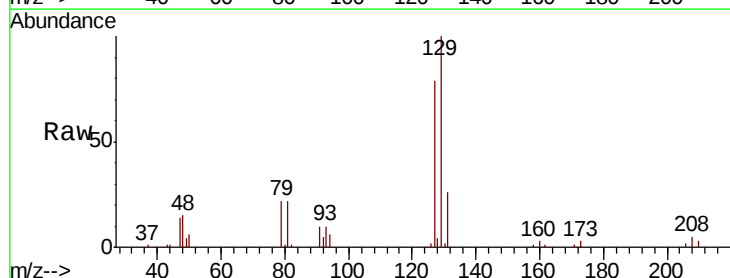
Acq: 10 Nov 2020 21:06

Tgt Ion: 129 Resp: 21352

Ion Ratio Lower Upper

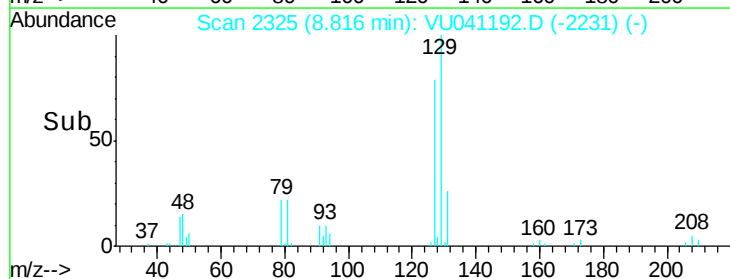
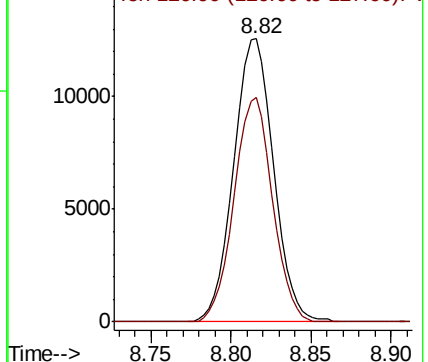
129 100

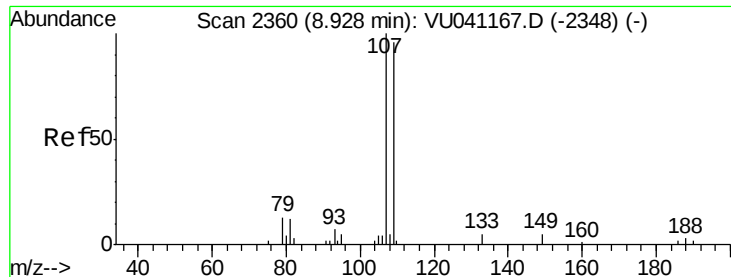
127 79.2 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

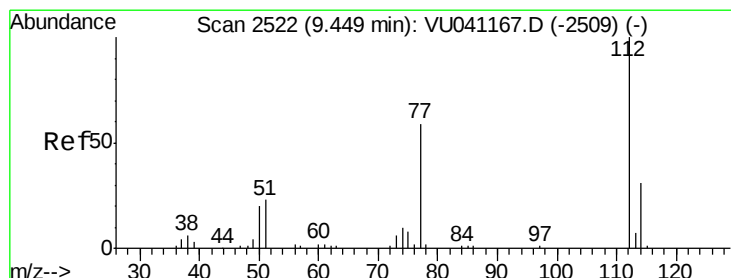
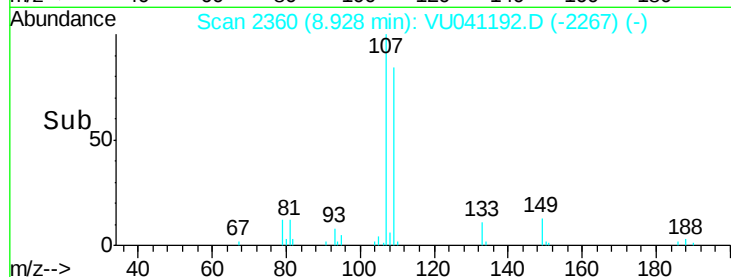
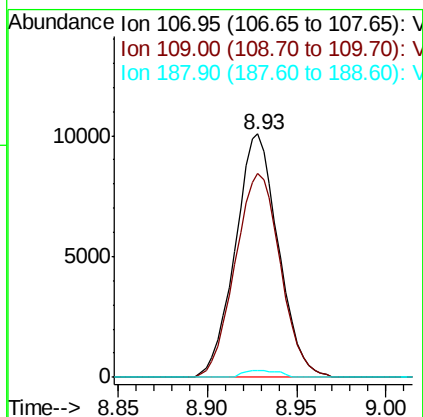
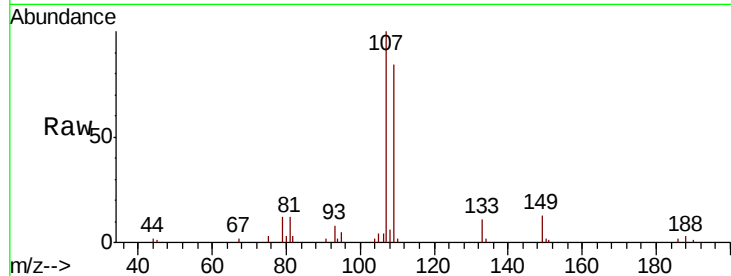




#50
 1,2-Dibromoethane
 Concen: 5.391 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

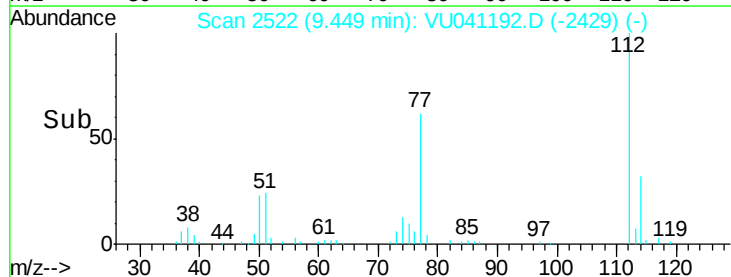
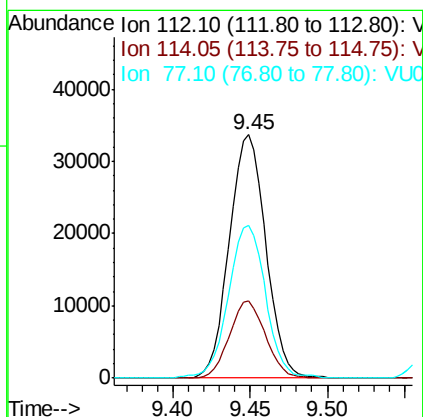
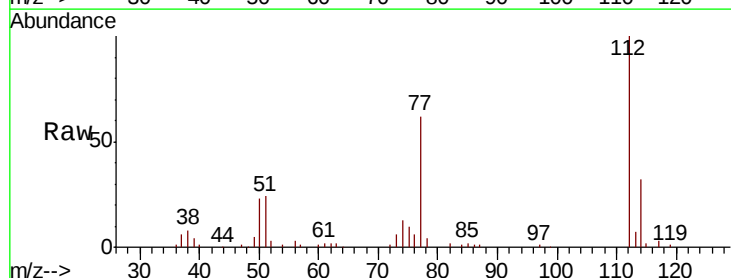
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

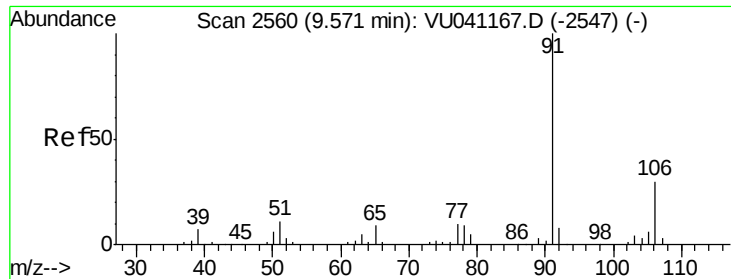
Tot Ion:107 Resp: 16975
 Ion Ratio Lower Upper
 107 100
 109 83.6 65.6 121.8
 188 2.8 2.9 4.3#



#51
 Chlorobenzene
 Concen: 5.242 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

Tgt Ion:112 Resp: 55298
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.4 41.6
 77 62.5 51.2 76.8

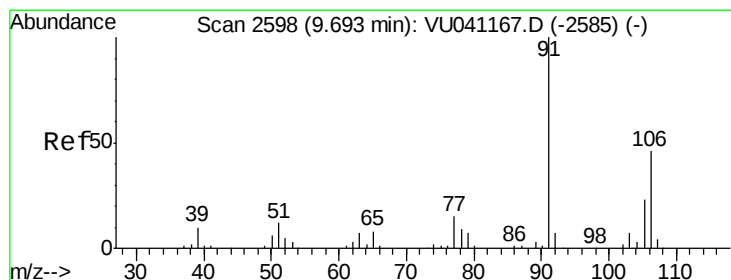
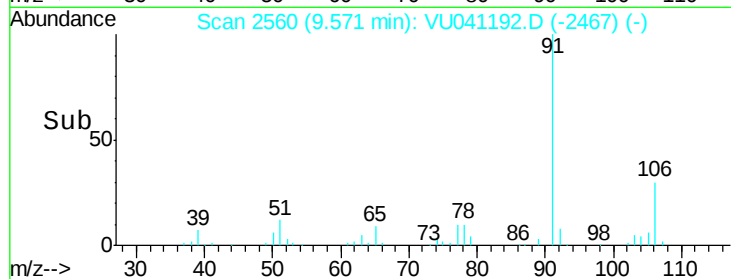
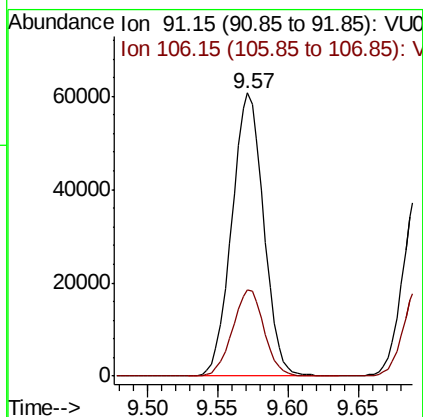
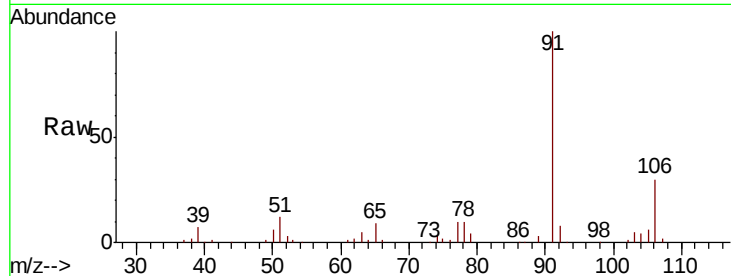




#52
Ethylbenzene
Concen: 5.492 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU041192.D
Acq: 10 Nov 2020 21:06

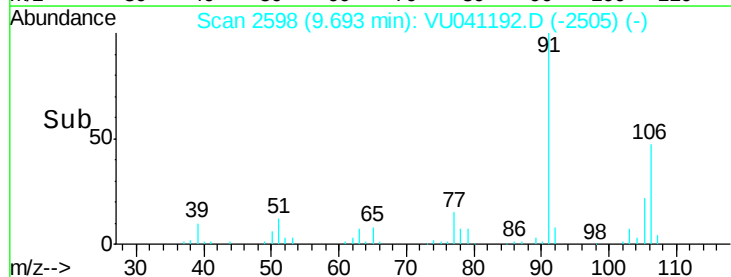
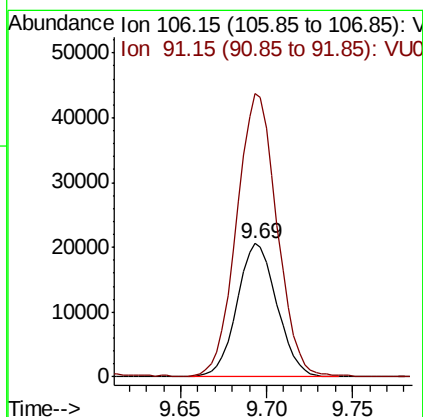
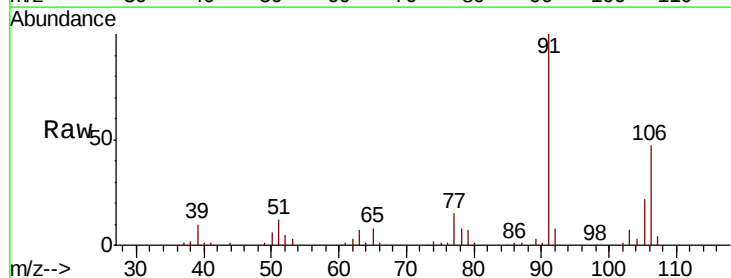
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

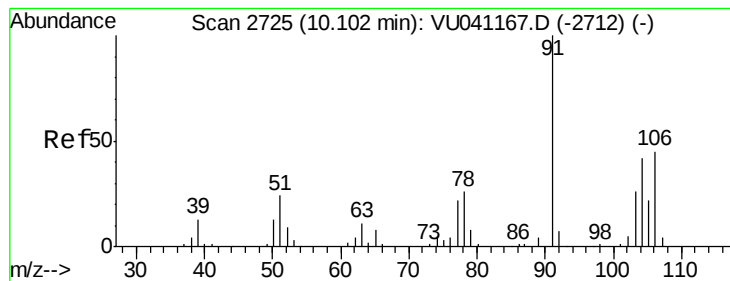
Tot Ion: 91 Resp: 96172
Ion Ratio Lower Upper
91 100
106 30.4 21.0 39.0



#53
m,p-Xylene
Concen: 5.210 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU041192.D
Acq: 10 Nov 2020 21:06

Tgt Ion: 106 Resp: 33271
Ion Ratio Lower Upper
106 100
91 212.3 150.9 280.3





#54

o-Xylene

Concen: 5.471 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

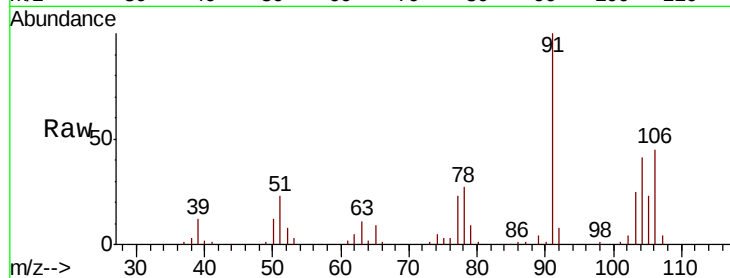
VSTD00525

Tot Ion:106 Resp: 32537

Ion Ratio Lower Upper

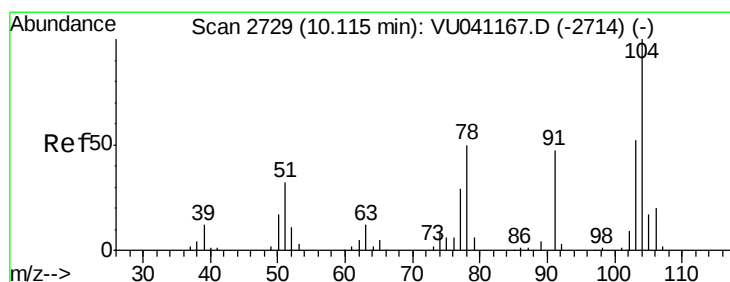
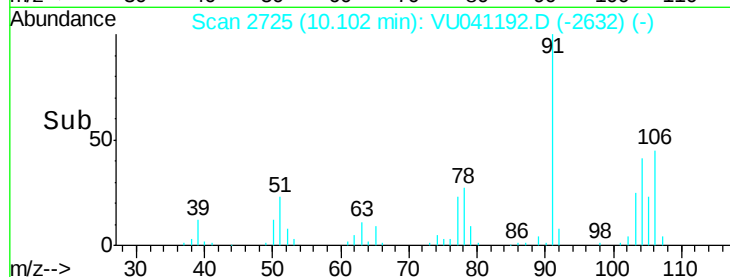
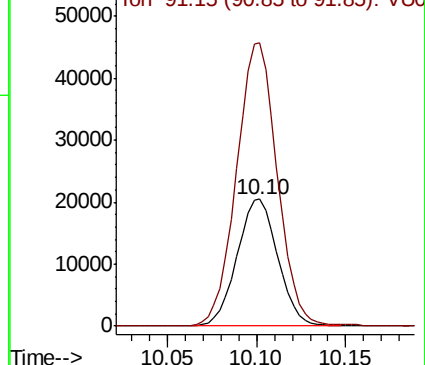
106 100

91 223.1 154.3 286.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.473 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU041192.D

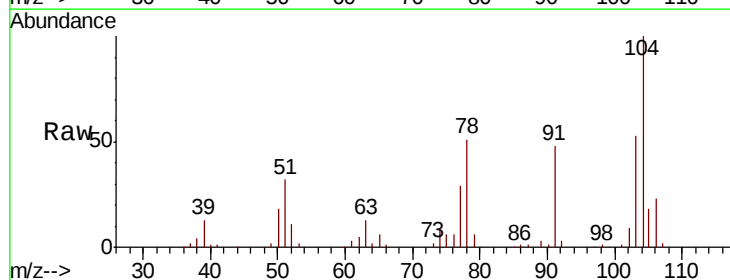
Acq: 10 Nov 2020 21:06

Tgt Ion:104 Resp: 58000

Ion Ratio Lower Upper

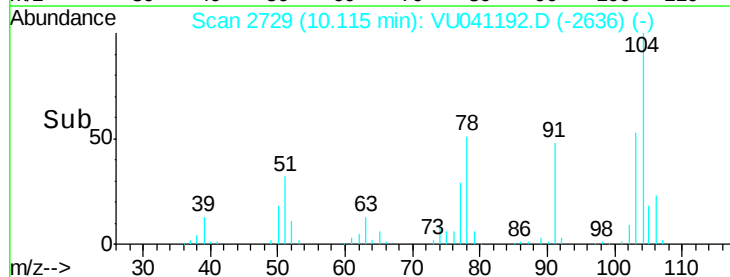
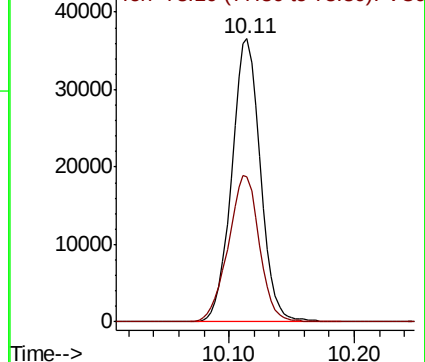
104 100

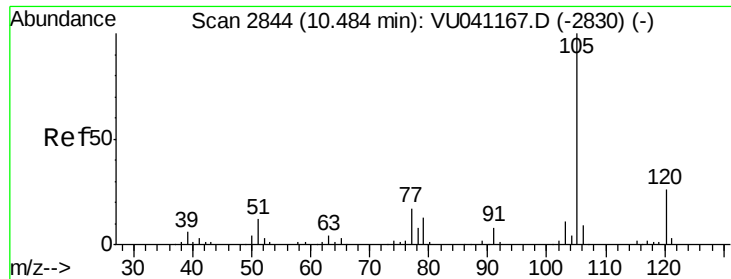
78 51.5 35.5 65.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.562 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

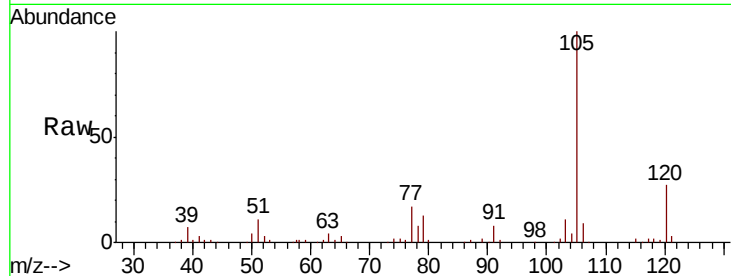
Tot Ion:105 Resp: 88957

Ion Ratio Lower Upper

105 100

120 26.2 20.7 31.1

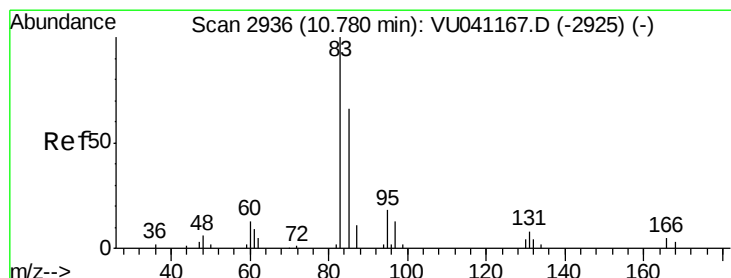
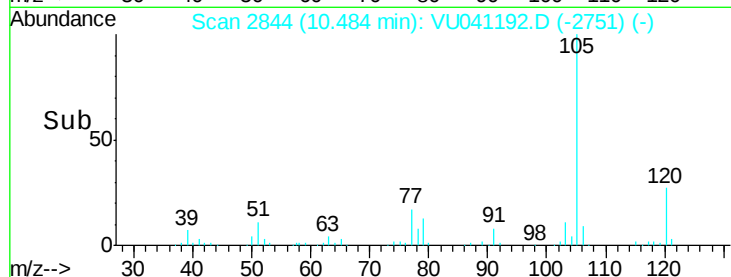
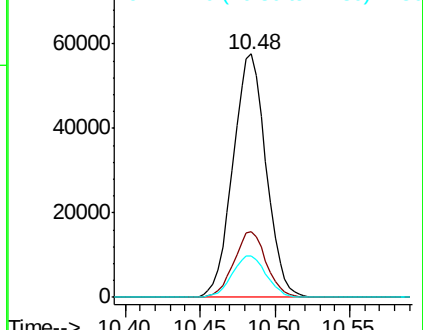
77 17.5 13.8 20.6



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: 5.431 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

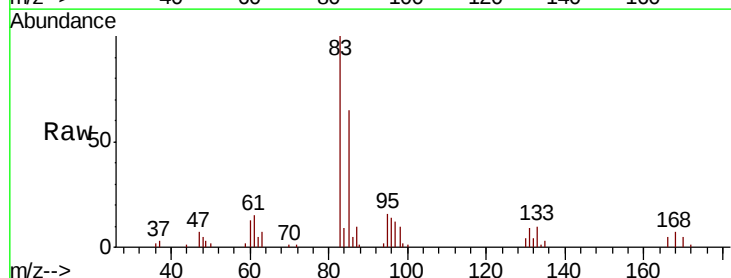
Tgt Ion: 83 Resp: 23571

Ion Ratio Lower Upper

83 100

85 65.0 44.4 82.4

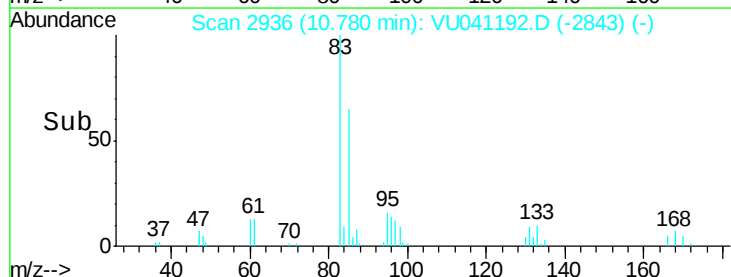
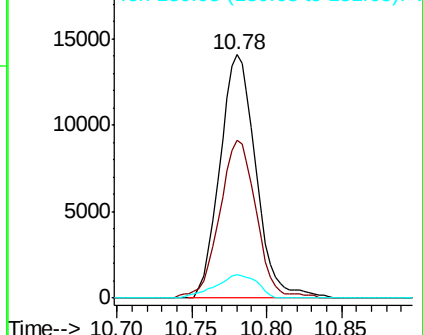
131 9.4 7.7 11.5

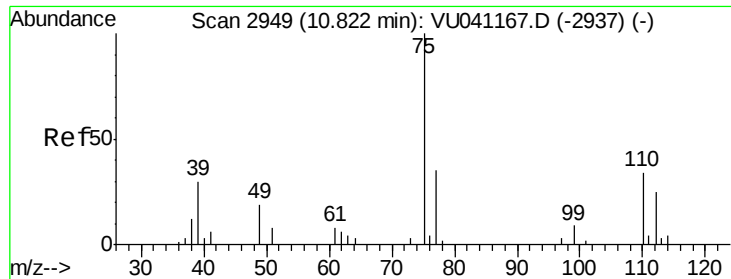


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.240 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

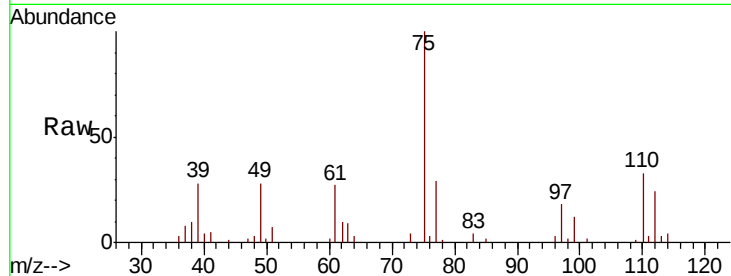
VSTD00525

Tot Ion: 75 Resp: 17335

Ion Ratio Lower Upper

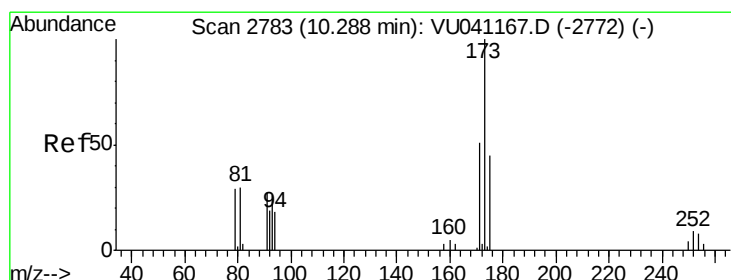
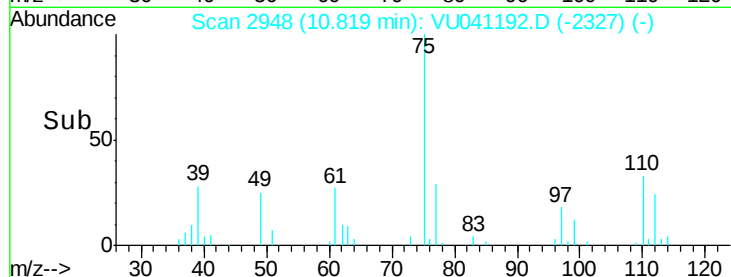
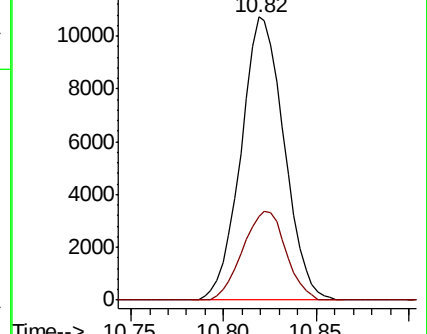
75 100

77 31.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041192.D (-2327) (-)

Ion 77.00 (76.70 to 77.70): VU041192.D (-2327) (-)



#61

Bromoform

Concen: 4.480 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

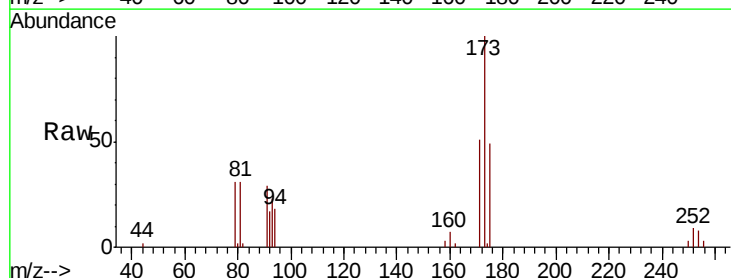
Tgt Ion: 173 Resp: 12083

Ion Ratio Lower Upper

173 100

175 48.6 37.6 56.4

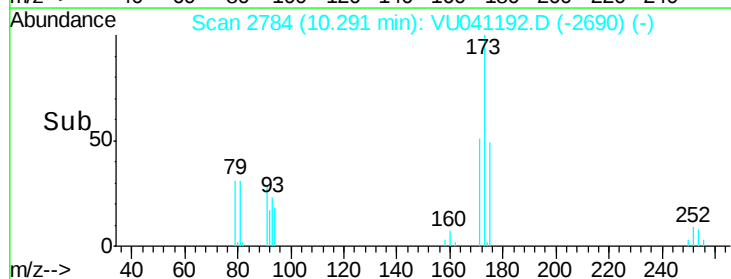
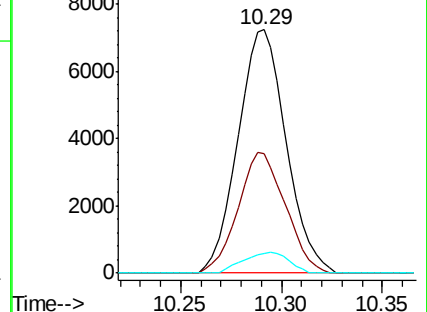
254 8.1 6.6 9.8

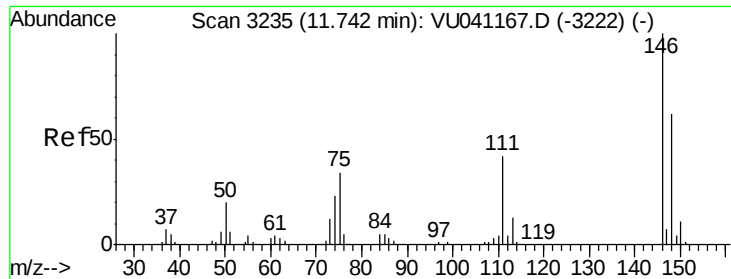


Abundance Ion 172.90 (172.60 to 173.60): VU041192.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VU041192.D (-2690) (-)

Ion 253.75 (253.45 to 254.45): VU041192.D (-2690) (-)

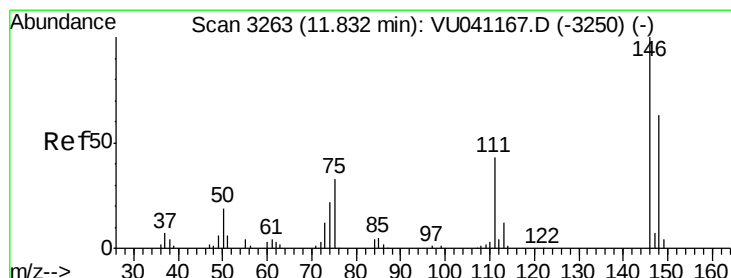
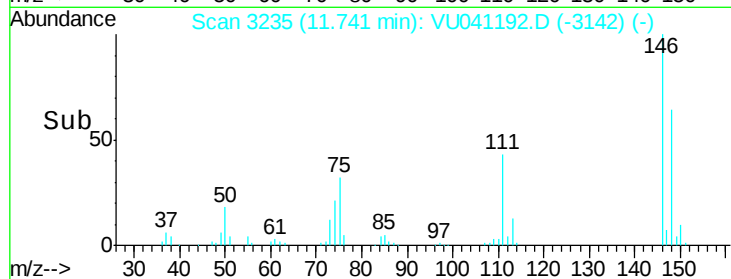
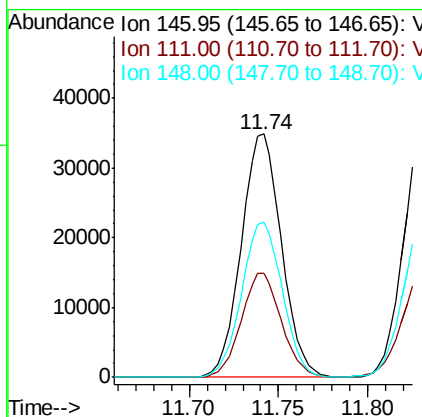
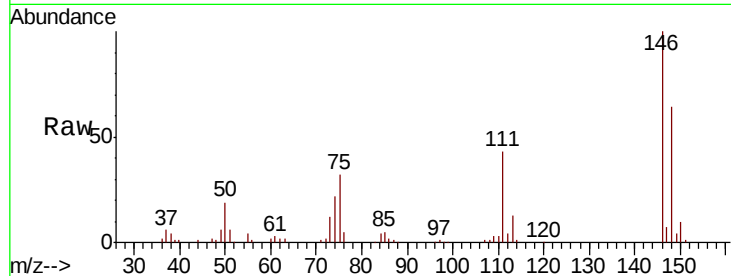




#62
 1,3-Dichlorobenzene
 Concen: 5.440 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

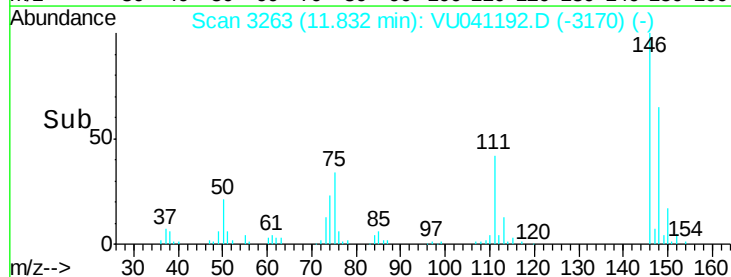
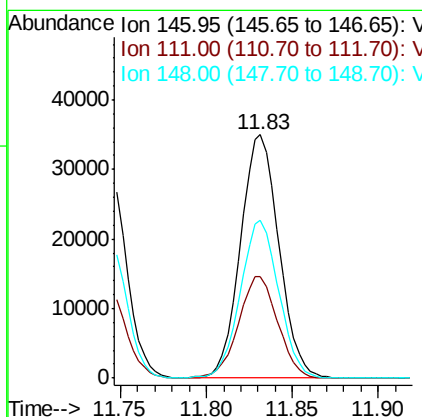
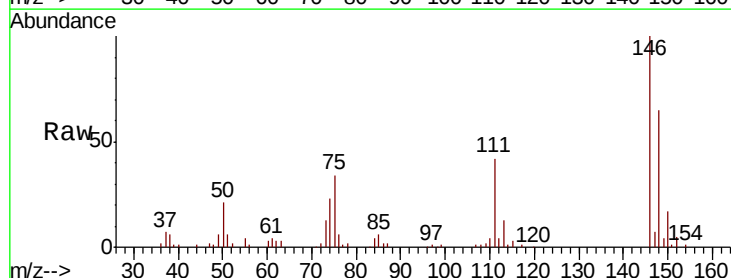
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

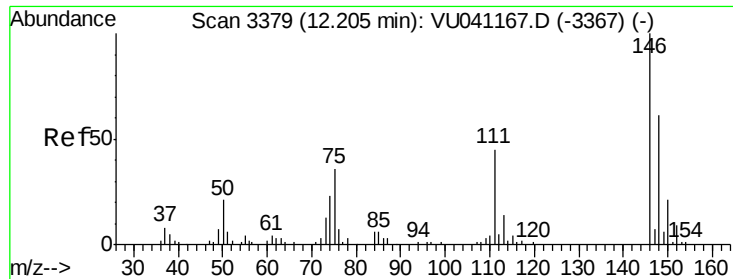
Tot Ion:146 Resp: 54962
 Ion Ratio Lower Upper
 146 100
 111 42.7 30.9 57.3
 148 63.8 45.8 85.2



#63
 1,4-Dichlorobenzene
 Concen: 5.197 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

Tgt Ion:146 Resp: 54376
 Ion Ratio Lower Upper
 146 100
 111 41.7 28.3 52.7
 148 64.9 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 4.995 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

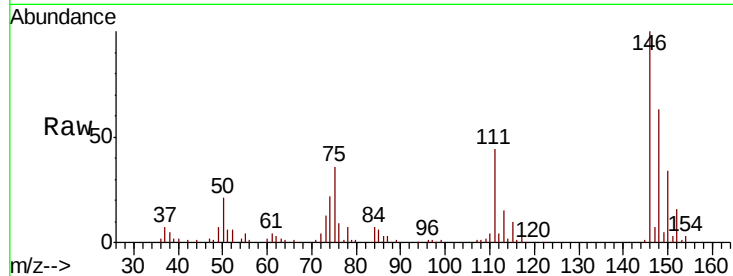
Tot Ion:146 Resp: 49795

Ion Ratio Lower Upper

146 100

111 44.1 35.0 52.6

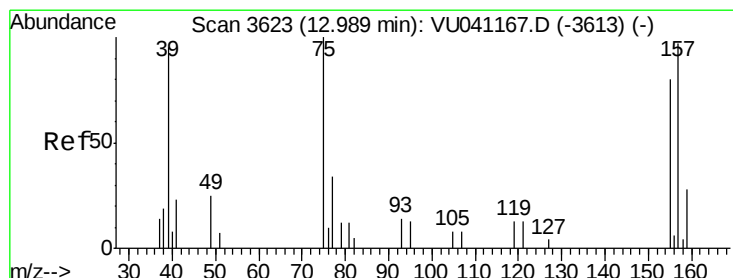
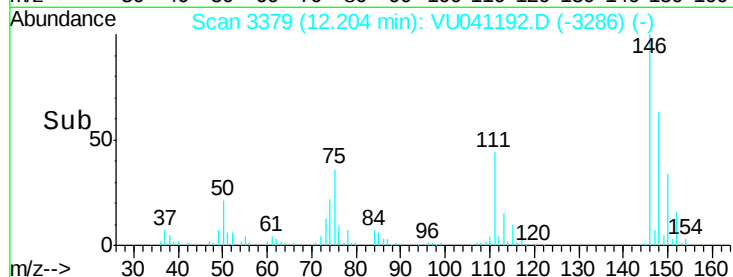
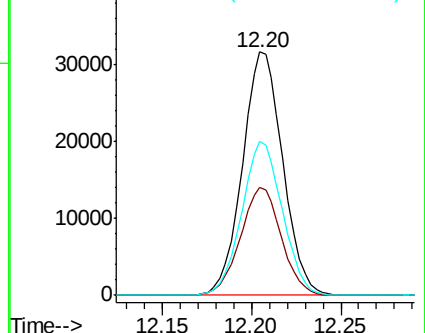
148 63.1 52.0 78.0



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: 4.490 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

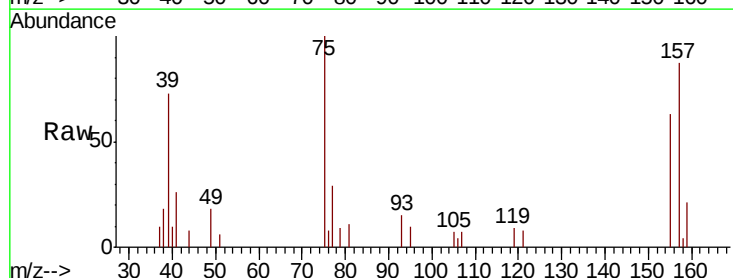
Tgt Ion: 75 Resp: 4387

Ion Ratio Lower Upper

75 100

155 63.3 61.4 92.2

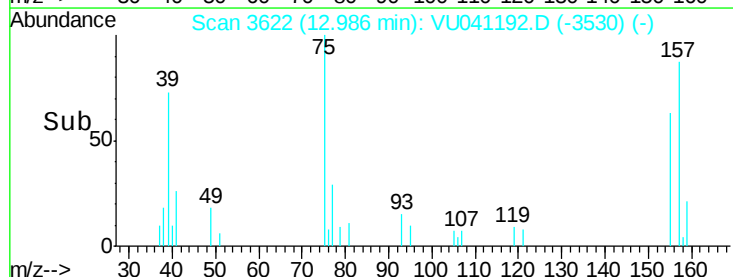
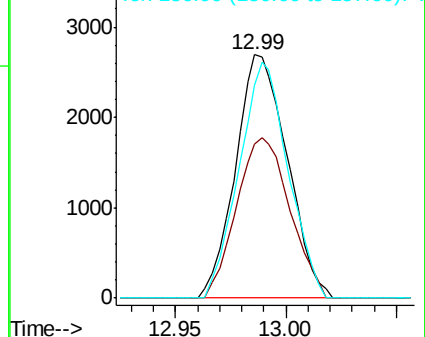
157 87.3 74.2 111.4

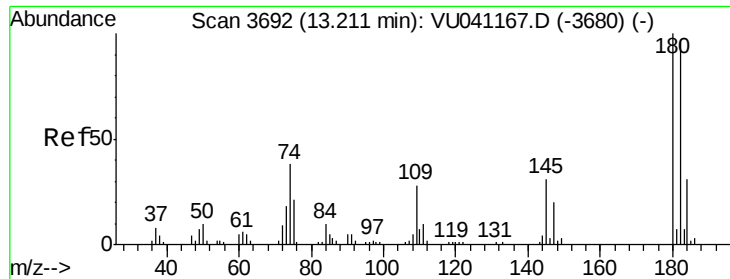


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

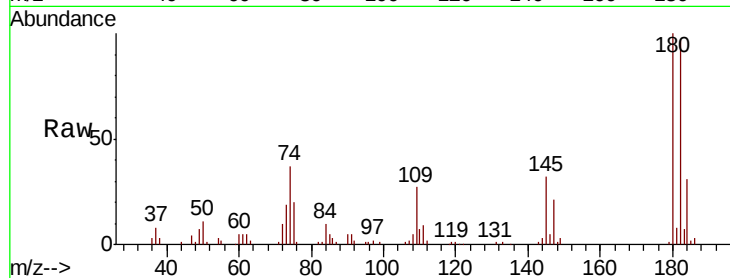




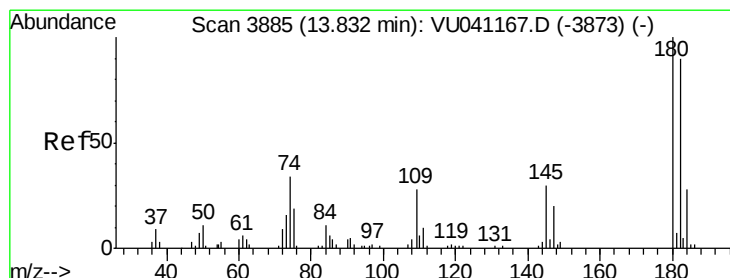
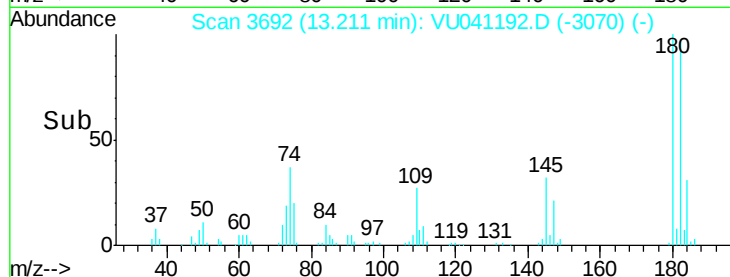
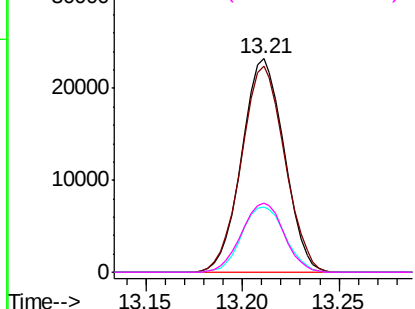
#67
 1,3,5-Trichlorobenzene
 Concen: 5.027 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion:180 Resp: 35521
 Ion Ratio Lower Upper
 180 100
 182 98.4 75.7 113.5
 184 31.3 23.7 35.5
 145 32.7 26.1 39.1

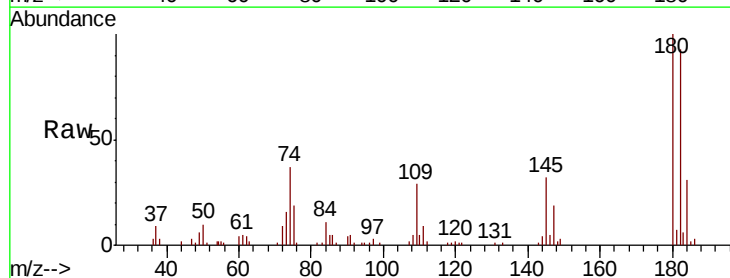


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

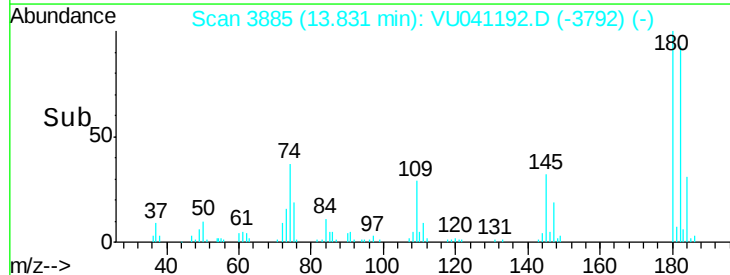
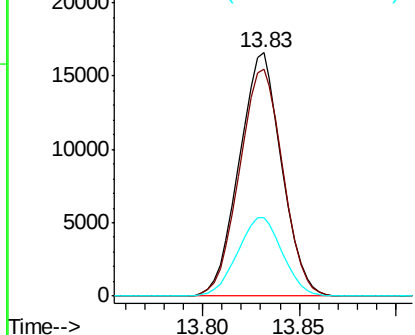


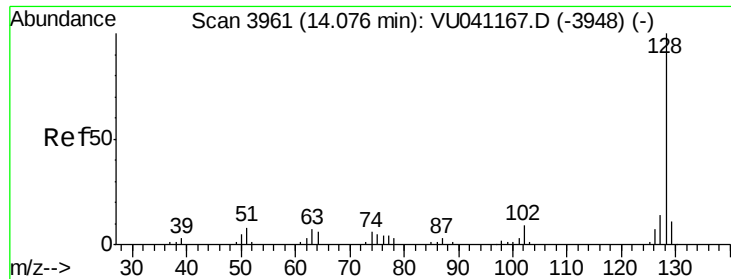
#68
 1,2,4-trichlorobenzene
 Concen: 4.332 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU041192.D
 Acq: 10 Nov 2020 21:06

Tgt Ion:180 Resp: 25353
 Ion Ratio Lower Upper
 180 100
 182 95.2 73.5 110.3
 145 33.9 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: 4.062 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

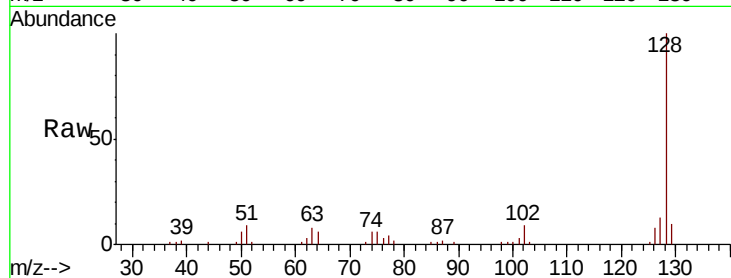
Tot Ion:128 Resp: 42517

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

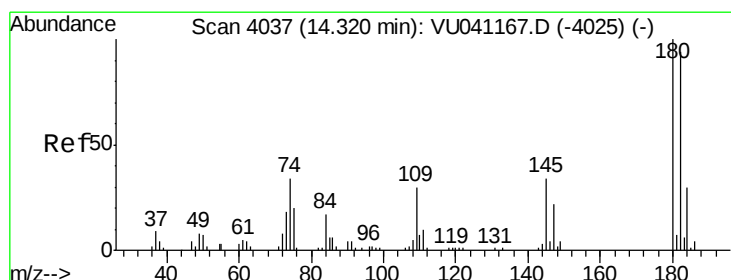
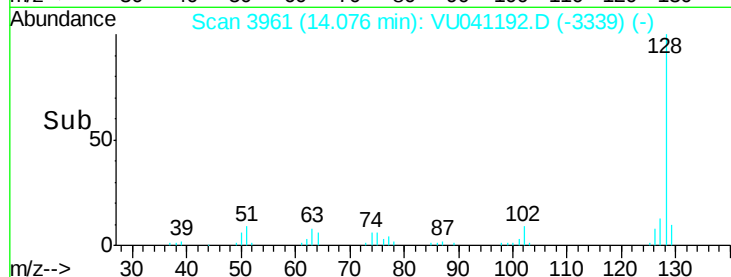
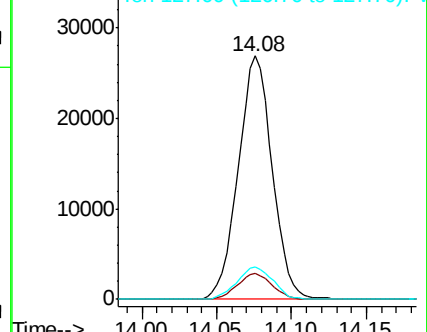
127 14.0 10.8 16.2



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: 4.576 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU041192.D

Acq: 10 Nov 2020 21:06

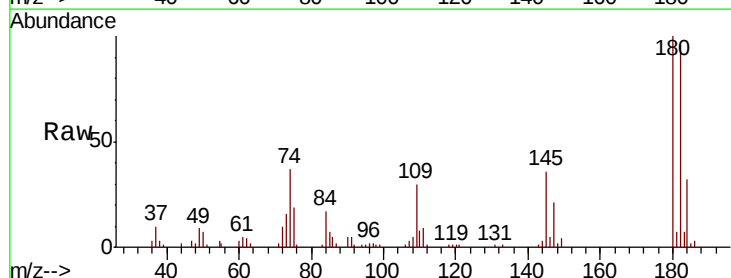
Tgt Ion:180 Resp: 24684

Ion Ratio Lower Upper

180 100

182 96.9 77.7 116.5

145 34.8 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

