

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041768.D
 Acq On : 23 Dec 2020 02:00
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Quant Time: Dec 23 05:12:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 05:08:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	135267	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	129107	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65405	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	42171	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.92	69	41878	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.58	63	86234	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.60%
20) 2-Butanone-d5	4.66	46	144829	47.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.36%
24) Chloroform-d	5.08	84	86594	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.72	65	47577	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.74	84	159095	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
36) 1,2-Dichloropropane-d6	6.70	67	50396	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	7.91	98	142541	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	8.18	79	21799	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.64	63	133283	46.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.56%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49763	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	52079	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	56308	4.914	ug/L	99
3) Chloromethane	1.52	50	51108	4.590	ug/L	97
5) Vinyl chloride	1.61	62	63600	5.173	ug/L	98
6) Bromomethane	1.86	94	44103	5.738	ug/L	98
8) Chloroethane	1.94	64	41906	5.018	ug/L	96
9) Trichlorofluoromethane	2.15	101	93841	6.031	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	50377	5.414	ug/L	96
12) 1,1-Dichloroethene	2.59	96	50746	5.530	ug/L	88
13) Acetone	2.67	43	85311	44.152	ug/L	94
14) Carbon disulfide	2.81	76	141285	4.455	ug/L	99
15) Methyl Acetate	2.97	43	21936	4.367	ug/L	93
16) Methylene chloride	3.06	84	54768	4.997	ug/L	92
17) Methyl tert-butyl Ether	3.38	73	128718	5.257	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	50241	5.293	ug/L	93
19) 1,1-Dichloroethane	3.89	63	88518	4.990	ug/L	98
21) 2-Butanone	4.75	43	153157	48.664	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	53638	5.113	ug/L	95

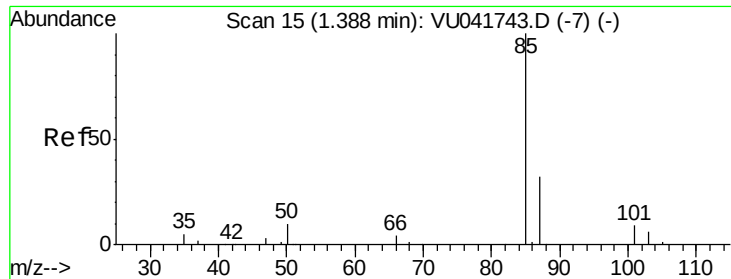
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122220\
 Data File : VU041768.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 05:08:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	27965	5.803	ug/L	87
25) Chloroform	5.11	83	95849	5.366	ug/L	98
27) 1,2-Dichloroethane	5.81	62	63049	5.212	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	79718	5.377	ug/L	96
30) Cyclohexane	5.40	56	66749	4.017	ug/L	91
31) Carbon tetrachloride	5.54	117	68982	5.381	ug/L	98
33) Benzene	5.79	78	204522	4.953	ug/L	100
34) Trichloroethene	6.55	95	51578	4.971	ug/L	90
35) Methylcyclohexane	6.77	83	69596	4.149	ug/L	98
37) 1,2-Dichloropropane	6.80	63	52777	4.997	ug/L	99
38) Bromodichloromethane	7.11	83	68251	5.194	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	74294	4.747	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	363864	48.417	ug/L #	96
42) Toluene	7.97	91	217954	5.113	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	68359	4.885	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	45512	5.827	ug/L	95
47) Tetrachloroethene	8.56	164	39083	5.381	ug/L	94
48) 2-Hexanone	8.69	43	270432	49.445	ug/L #	97
49) Dibromochloromethane	8.81	129	51527	5.743	ug/L	99
50) 1,2-Dibromoethane	8.93	107	42444	5.494	ug/L	99
51) Chlorobenzene	9.45	112	135882	5.128	ug/L	96
52) Ethylbenzene	9.57	91	215771	4.753	ug/L	97
53) m,p-Xylene	9.69	106	84501	4.991	ug/L	97
54) o-Xylene	10.10	106	83123	5.013	ug/L	95
55) Styrene	10.11	104	139927	4.885	ug/L	97
56) Isopropylbenzene	10.48	105	213263	4.832	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	56441	5.193	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	41987	5.293	ug/L	99
61) Bromoform	10.29	173	30872	6.244	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	104325	5.215	ug/L	95
63) 1,4-Dichlorobenzene	11.83	146	103797	5.161	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	103620	5.290	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9696	5.278	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	73543	4.843	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	56915	4.467	ug/L	100
69) Naphthalene	14.07	128	104558	3.964	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	56023	4.613	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.914 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

Instrument :

MSVOA_U

ClientSampleId :

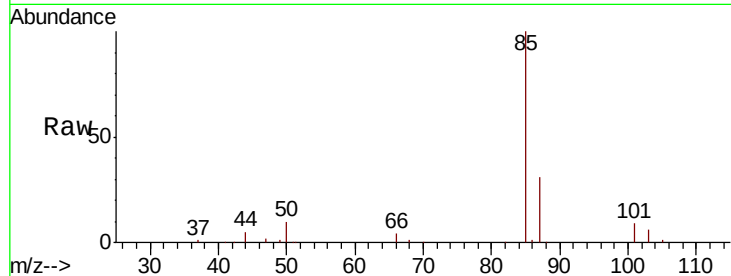
VSTD00526

Tot Ion: 85 Resp: 56308

Ion Ratio Lower Upper

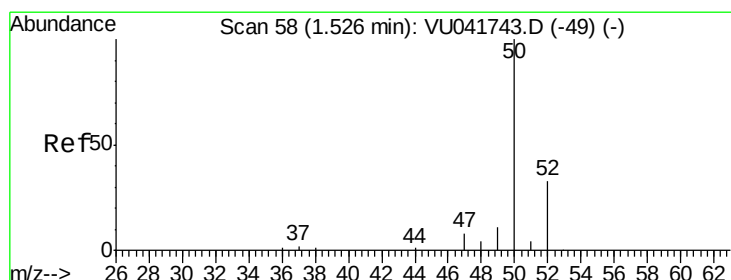
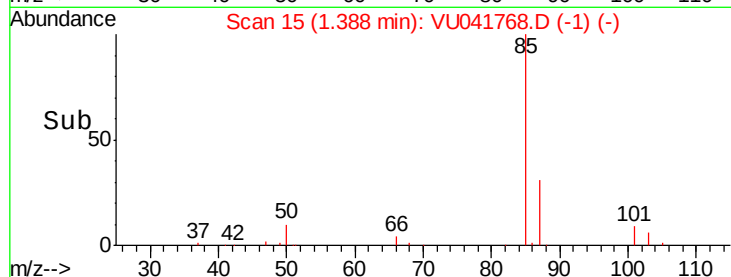
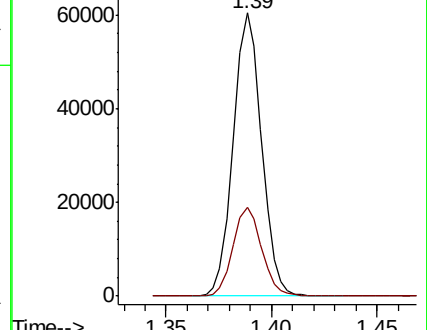
85 100

87 31.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041743.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041743.D (-7) (-)



#3

Chloromethane

Concen: 4.590 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041768.D

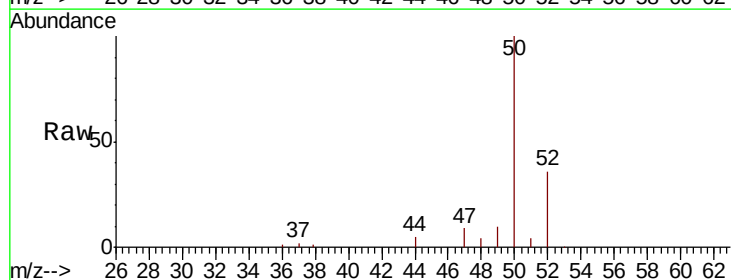
Acq: 23 Dec 2020 02:00

Tgt Ion: 50 Resp: 51108

Ion Ratio Lower Upper

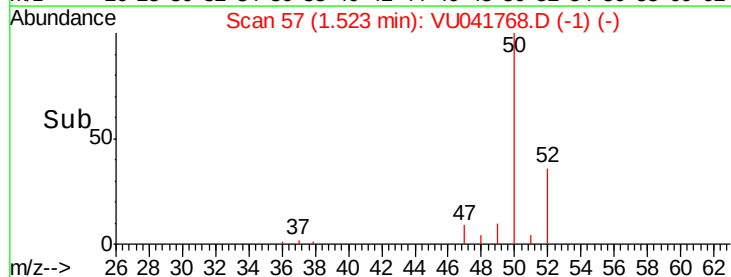
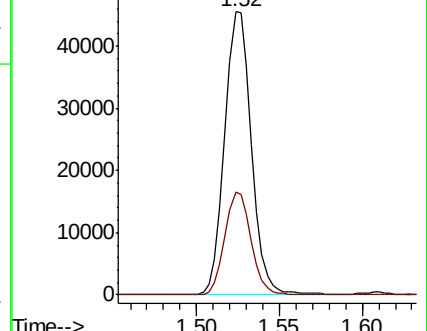
50 100

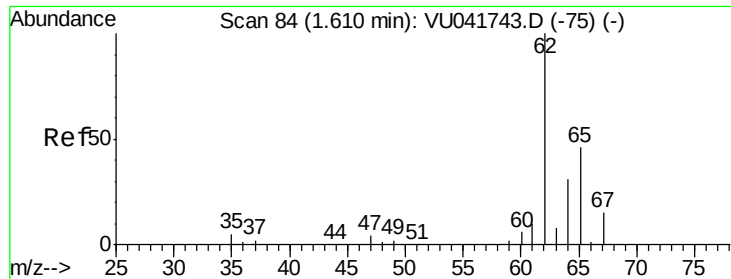
52 36.1 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041743.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041743.D (-49) (-)





#5

Vinyl chloride

Concen: 5.173 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

Instrument :

MSVOA_U

ClientSampleId :

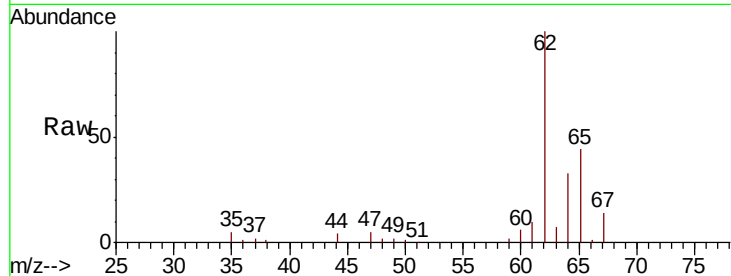
VSTD00526

Tot Ion: 62 Resp: 63600

Ion Ratio Lower Upper

62 100

64 33.4 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU041743.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU041743.D (-75) (-)

1.61

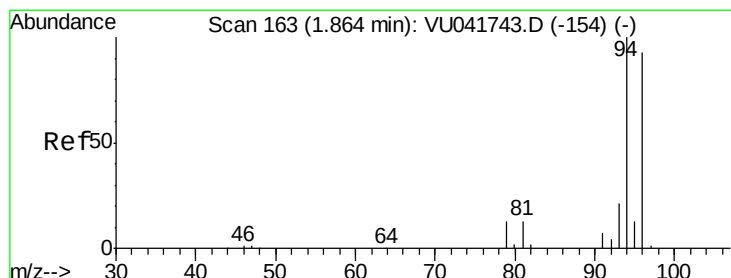
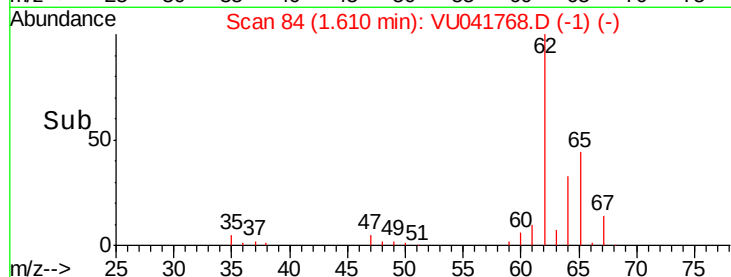
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 5.738 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041768.D

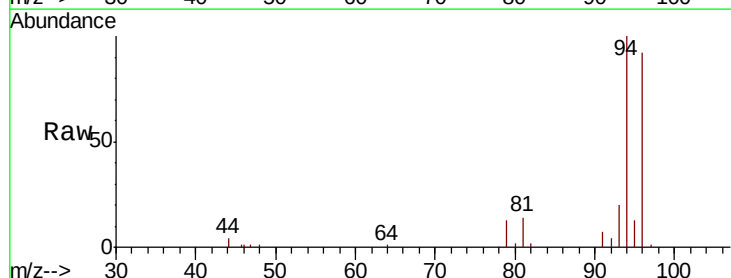
Acq: 23 Dec 2020 02:00

Tgt Ion: 94 Resp: 44103

Ion Ratio Lower Upper

94 100

96 91.9 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU041743.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU041743.D (-154) (-)

1.86

40000

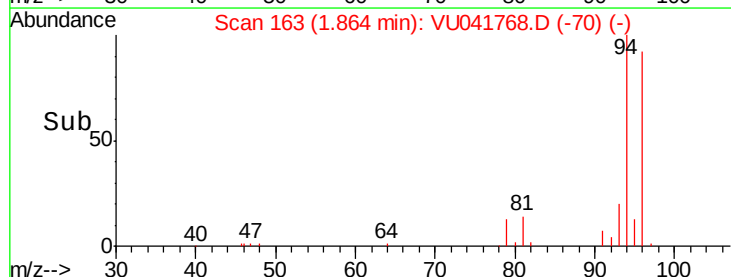
30000

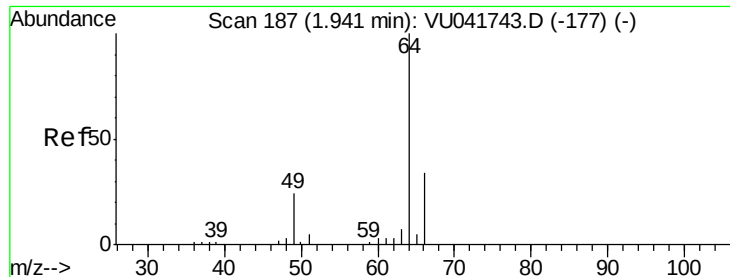
20000

10000

0

Time--> 1.80 1.85 1.90 1.95

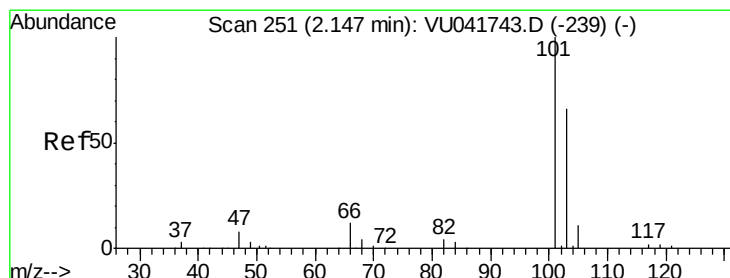
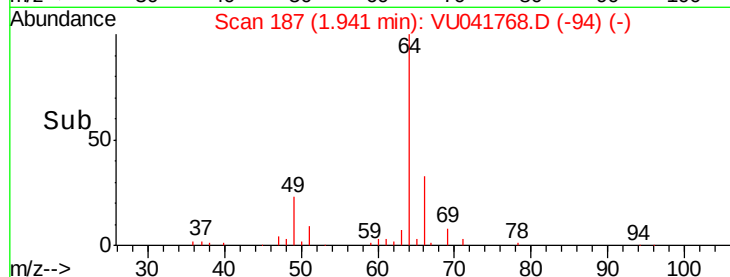
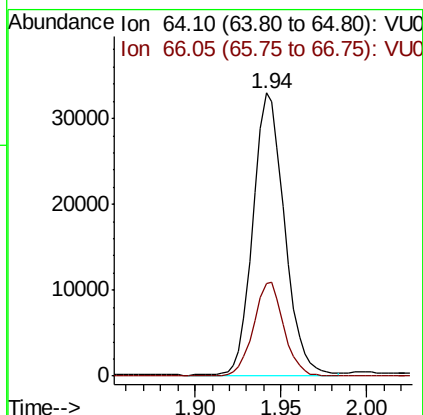
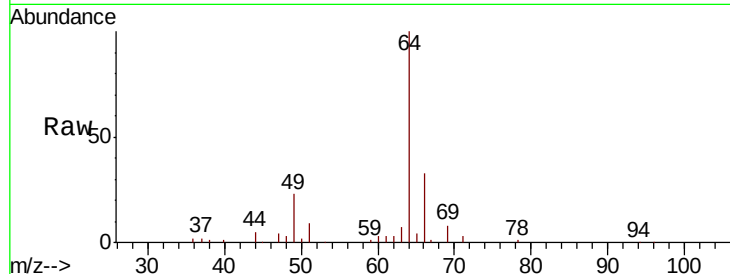




#8
Chloroethane
Concen: 5.018 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041768.D
Acq: 23 Dec 2020 02:00

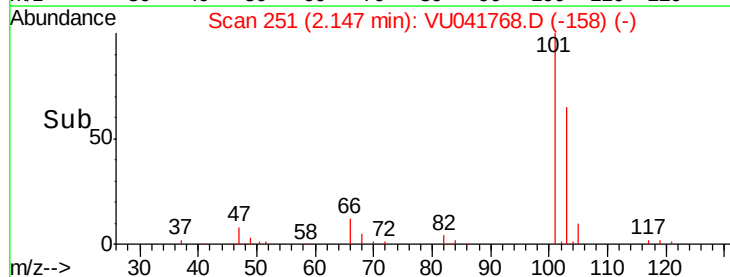
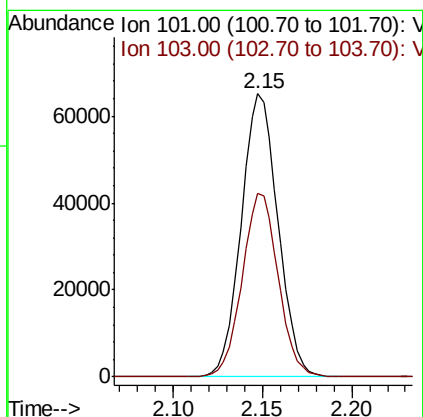
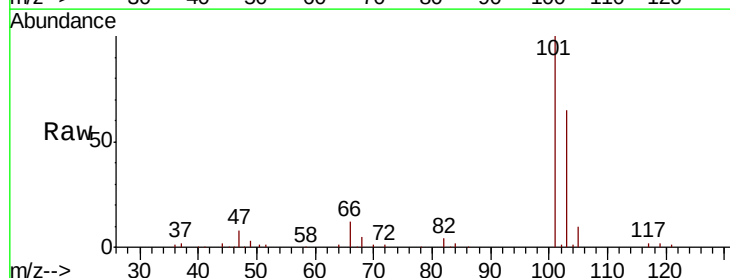
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

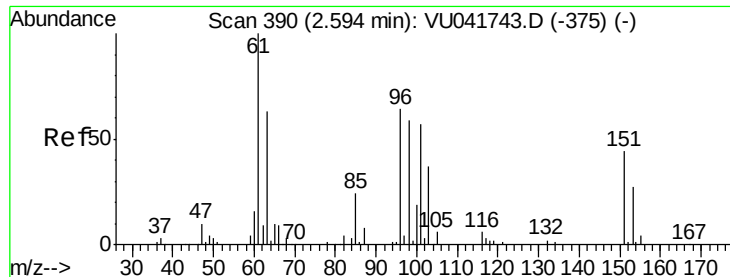
Tot Ion: 64 Resp: 41906
Ion Ratio Lower Upper
64 100
66 32.9 21.6 40.0



#9
Trichlorofluoromethane
Concen: 6.031 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041768.D
Acq: 23 Dec 2020 02:00

Tgt Ion:101 Resp: 93841
Ion Ratio Lower Upper
101 100
103 63.8 51.1 76.7





#10

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

Concen: 5.414 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

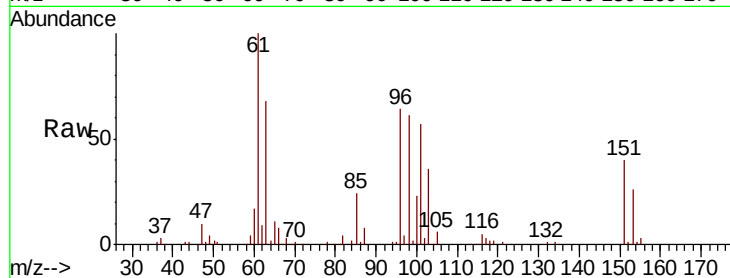
Tot Ion:101 Resp: 50377

Ion Ratio Lower Upper

101 100

85 41.0 33.6 50.4

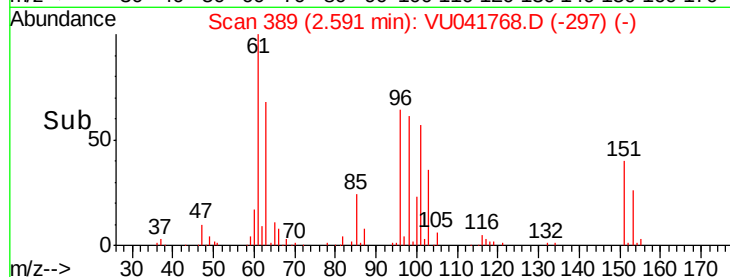
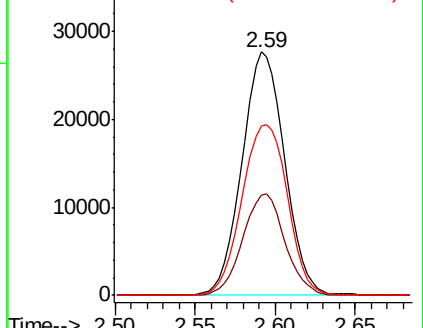
151 75.0 56.2 84.4



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: 5.530 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

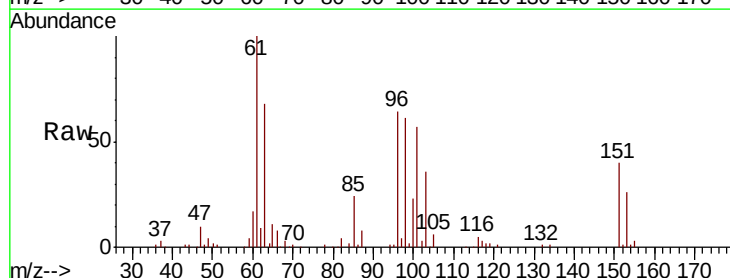
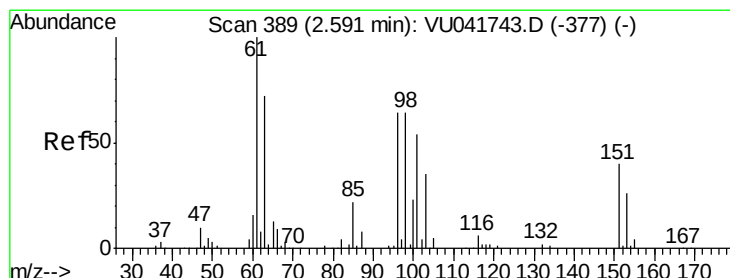
Tgt Ion: 96 Resp: 50746

Ion Ratio Lower Upper

96 100

61 157.5 123.8 230.0

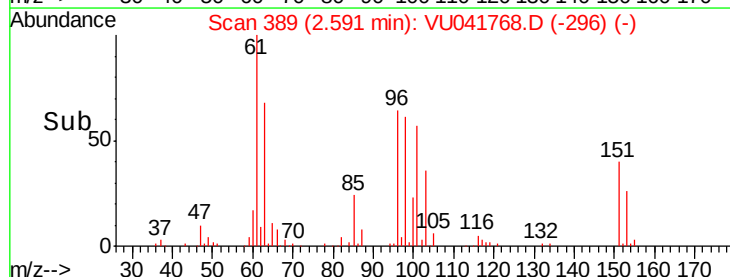
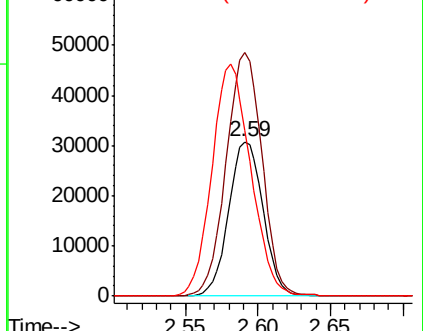
63 106.9 81.0 150.4

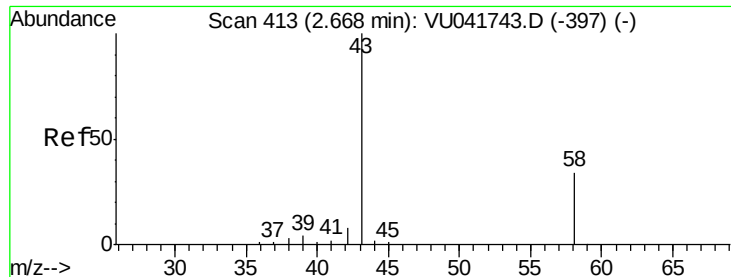


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.152 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

Instrument :

MSVOA_U

ClientSampleId :

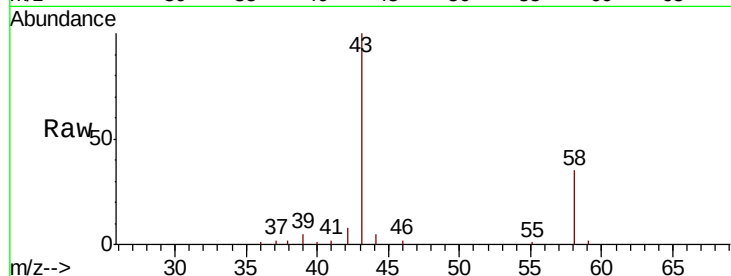
VSTD00526

Tot Ion: 43 Resp: 85311

Ion Ratio Lower Upper

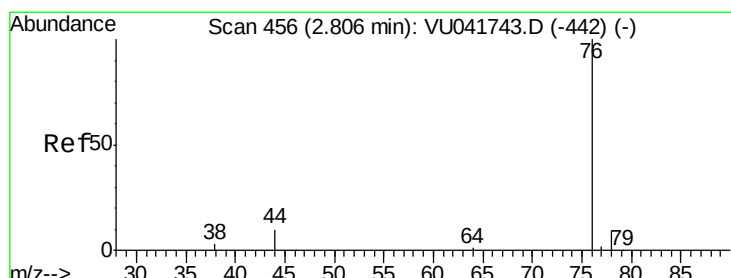
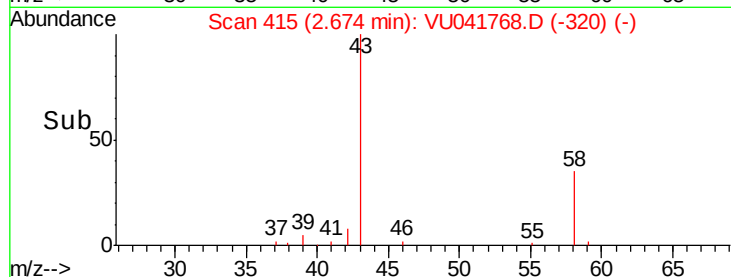
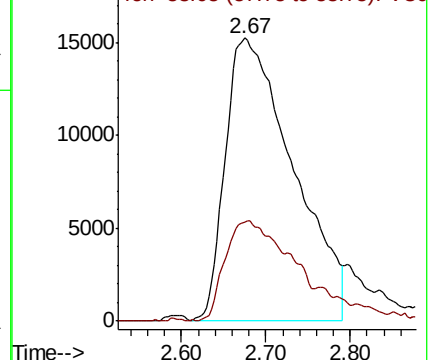
43 100

58 33.2 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.455 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041768.D

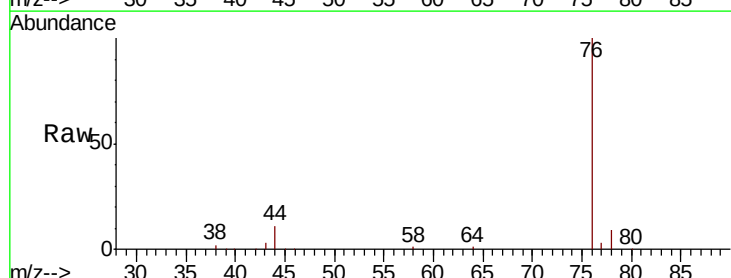
Acq: 23 Dec 2020 02:00

Tgt Ion: 76 Resp: 141285

Ion Ratio Lower Upper

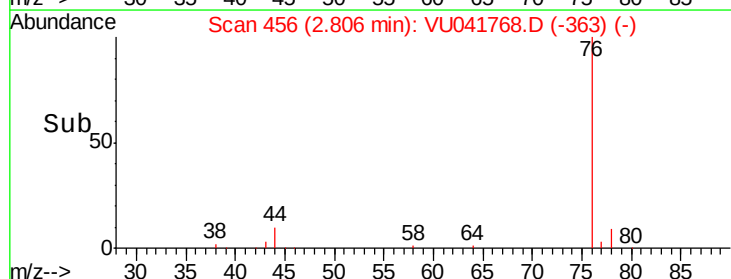
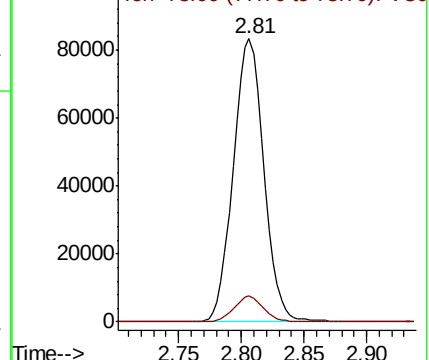
76 100

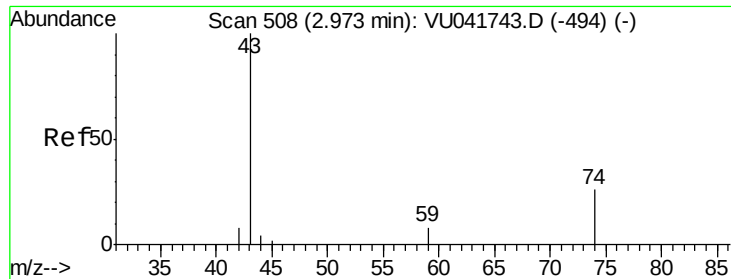
78 9.0 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

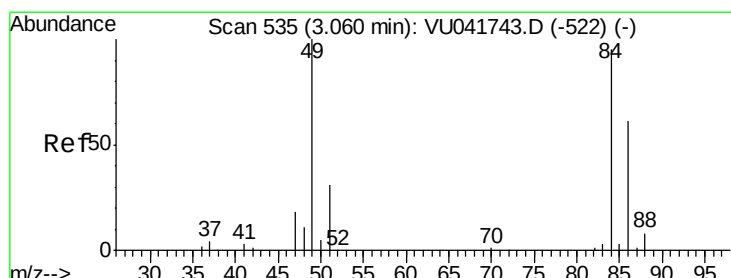
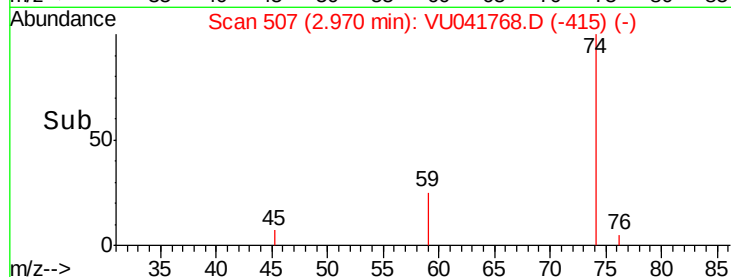
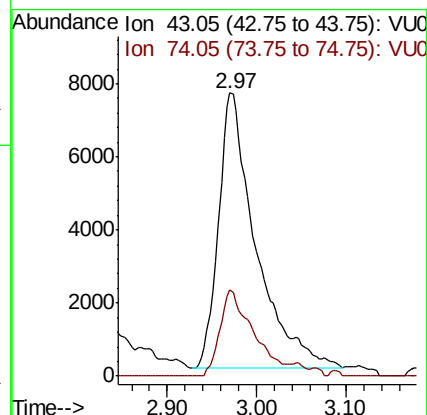
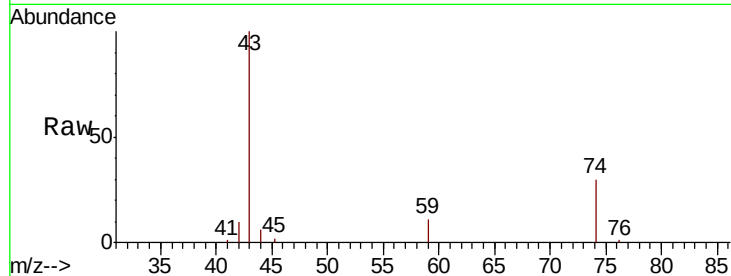




#15
Methyl Acetate
Concen: 4.367 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU041768.D
Acq: 23 Dec 2020 02:00

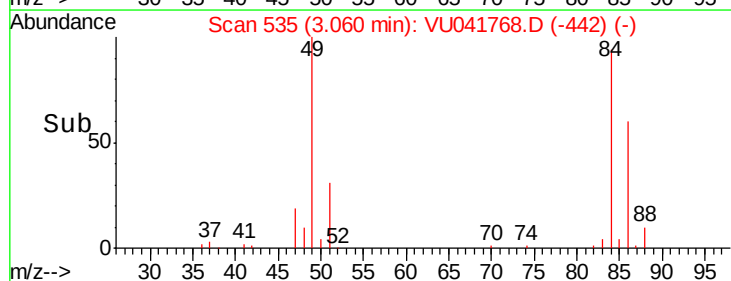
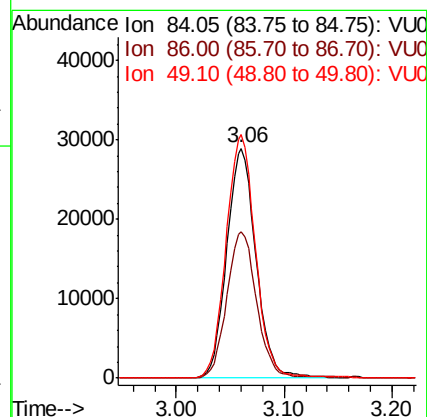
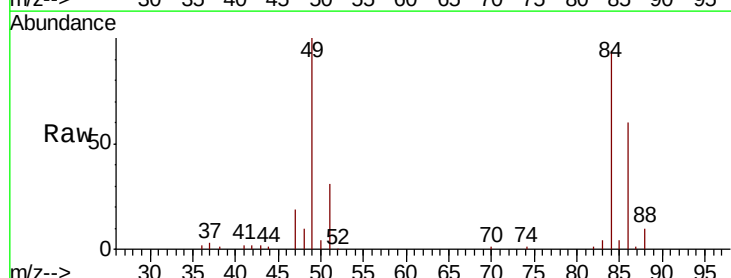
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

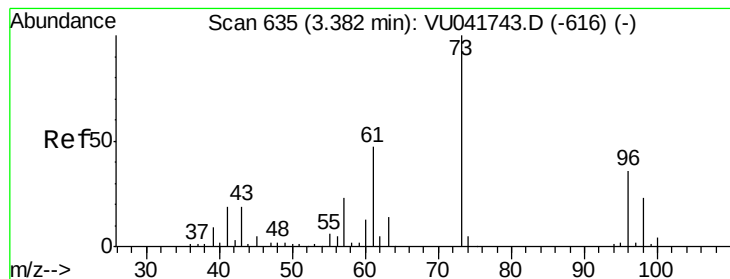
Tot Ion: 43 Resp: 21936
Ion Ratio Lower Upper
43 100
74 27.6 19.2 28.8



#16
Methylene chloride
Concen: 4.997 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041768.D
Acq: 23 Dec 2020 02:00

Tgt Ion: 84 Resp: 54768
Ion Ratio Lower Upper
84 100
86 63.5 45.1 83.7
49 105.9 83.1 154.3





#17

Methyl tert-butyl Ether

Concen: 5.257 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

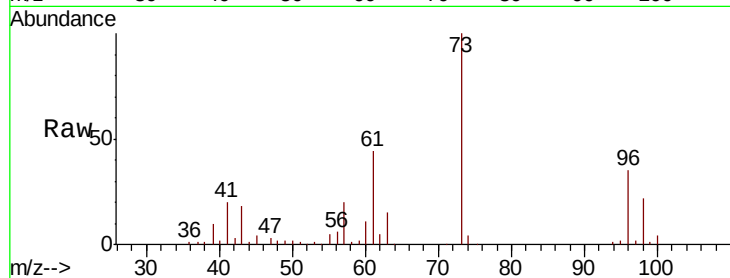
Tot Ion: 73 Resp: 128718

Ion Ratio Lower Upper

73 100

43 17.7 14.7 22.1

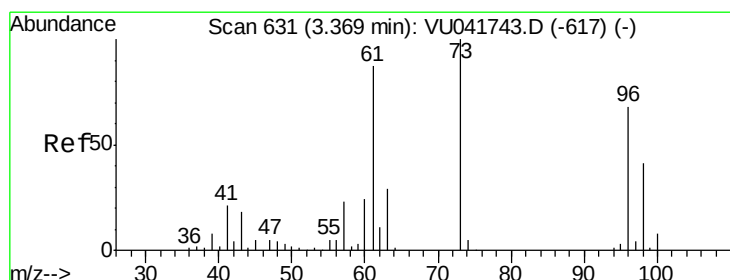
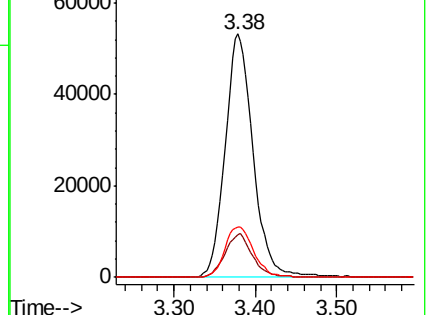
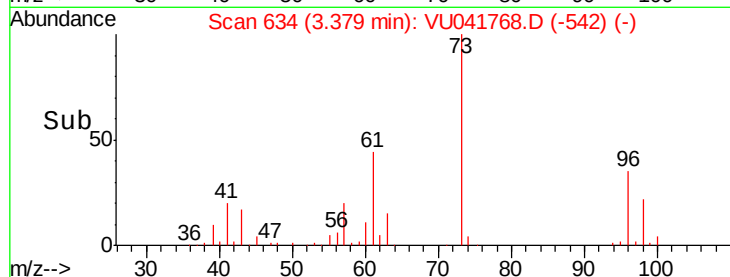
57 21.3 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VU041743.D (-616) (-)

Ion 43.05 (42.75 to 43.75): VU041743.D (-616) (-)

Ion 57.10 (56.80 to 57.80): VU041743.D (-616) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.293 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

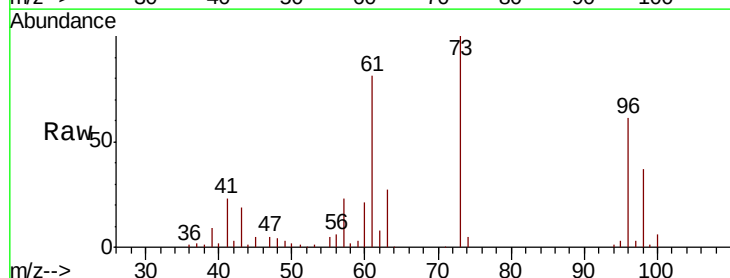
Tgt Ion: 96 Resp: 50241

Ion Ratio Lower Upper

96 100

61 133.8 101.8 189.0

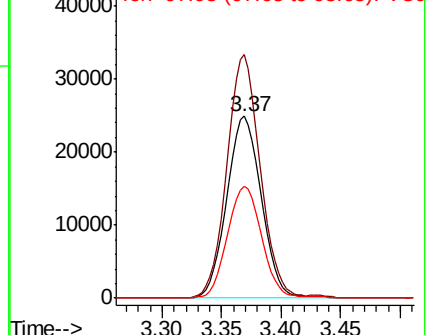
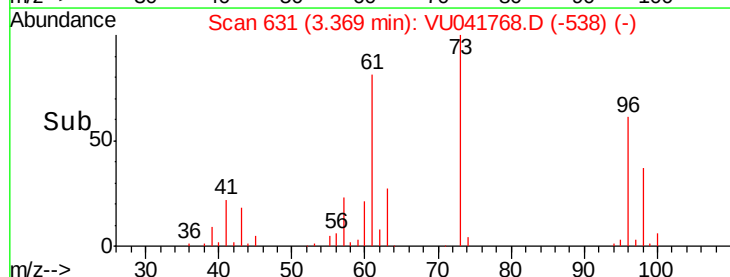
98 61.2 44.4 82.5

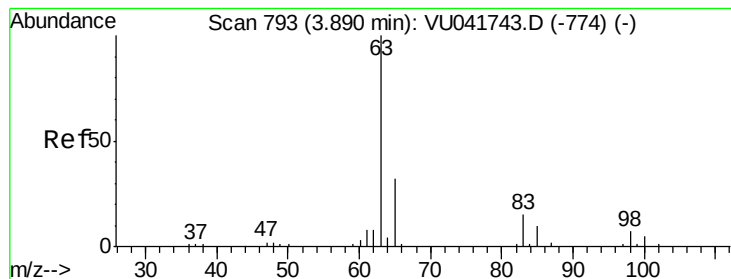


Abundance Ion 96.00 (95.70 to 96.70): VU041743.D (-617) (-)

Ion 61.05 (60.75 to 61.75): VU041743.D (-617) (-)

Ion 97.95 (97.65 to 98.65): VU041743.D (-617) (-)





#19

1,1-Dichloroethane

Concen: 4.990 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

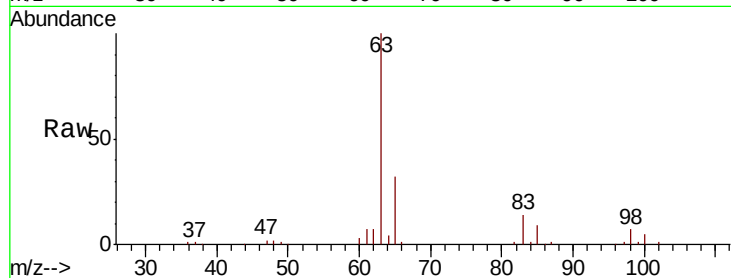
Tot Ion: 63 Resp: 88518

Ion Ratio Lower Upper

63 100

65 31.6 21.3 39.6

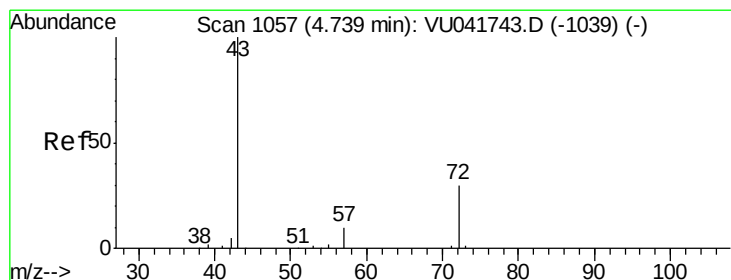
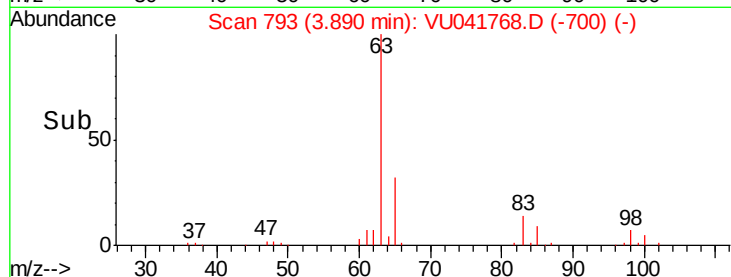
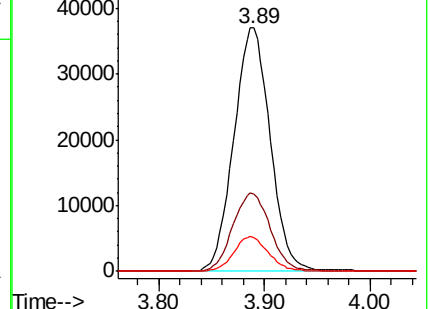
83 13.8 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU041743.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU041743.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU041743.D (-774) (-)



#21

2-Butanone

Concen: 48.664 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VU041768.D

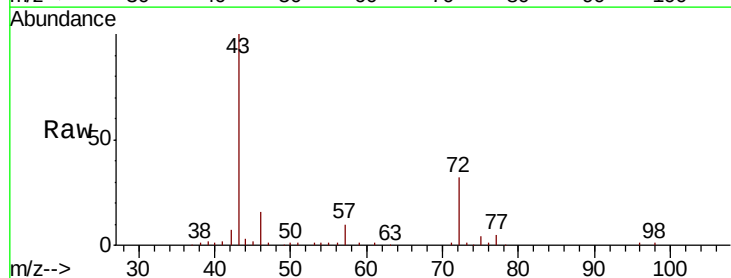
Acq: 23 Dec 2020 02:00

Tgt Ion: 43 Resp: 153157

Ion Ratio Lower Upper

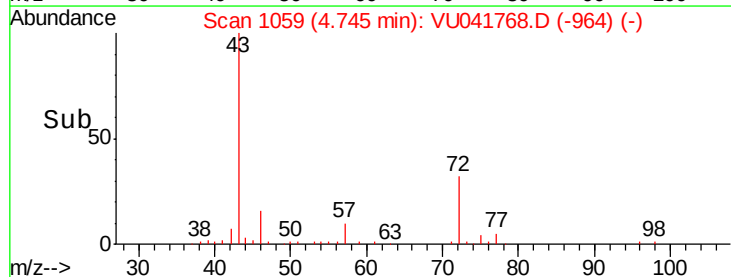
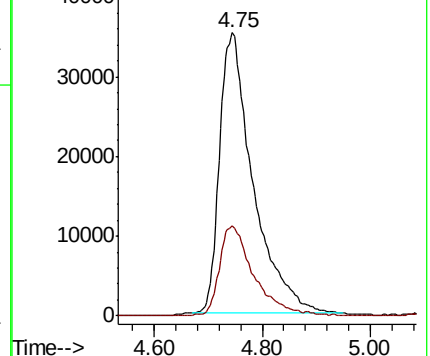
43 100

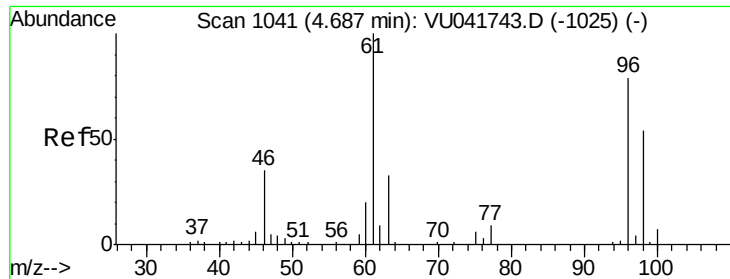
72 30.4 14.6 44.0



Abundance Ion 43.05 (42.75 to 43.75): VU041743.D (-1039) (-)

Ion 72.10 (71.80 to 72.80): VU041743.D (-1039) (-)

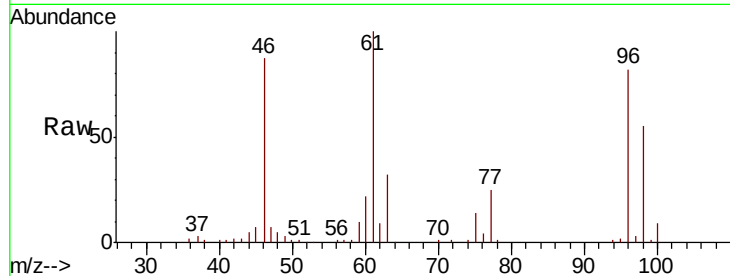




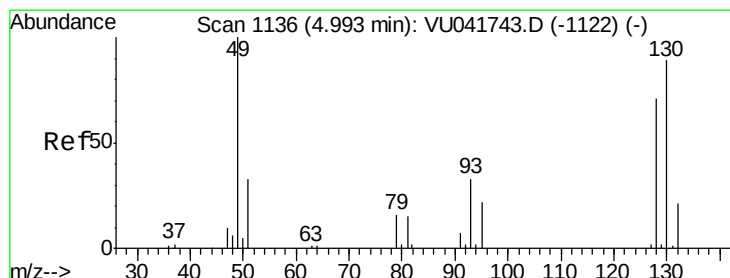
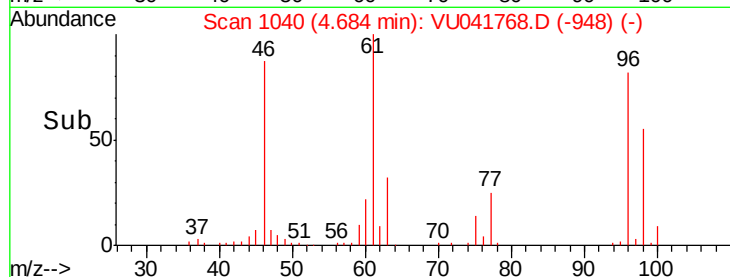
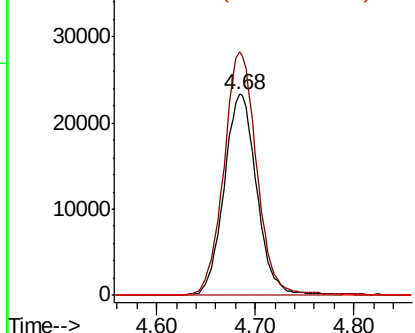
#22
 cis-1,2-Dichloroethene
 Concen: 5.113 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU041768.D
 Acq: 23 Dec 2020 02:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion: 96 Resp: 53638
 Ion Ratio Lower Upper
 96 100
 61 121.3 88.8 165.0
 68 0.0 0.0 0.0

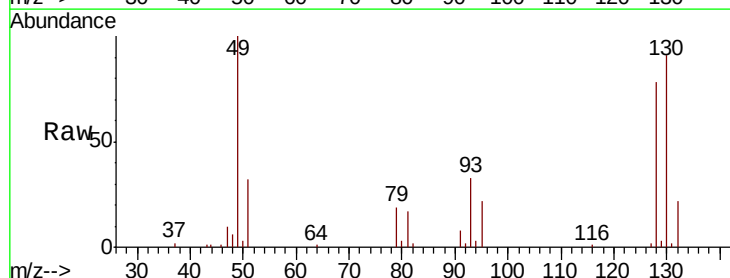


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

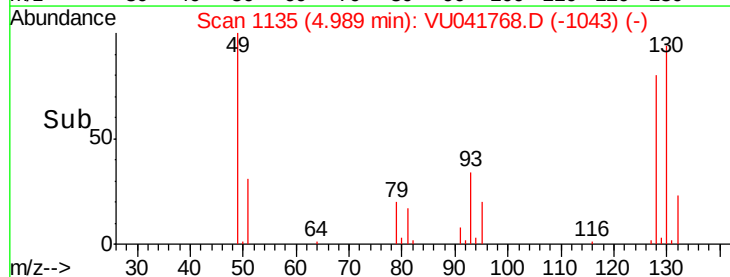
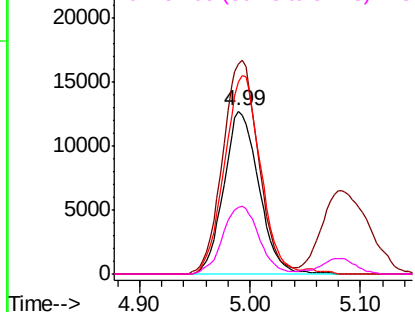


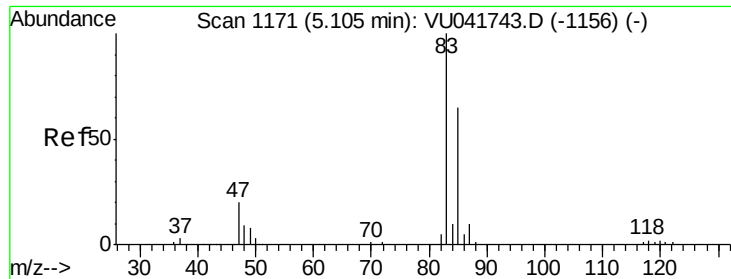
#23
 Bromochloromethane
 Concen: 5.803 ug/L
 RT: 4.99 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VU041768.D
 Acq: 23 Dec 2020 02:00

Tgt Ion: 128 Resp: 27965
 Ion Ratio Lower Upper
 128 100
 49 128.9 109.3 203.1
 130 117.9 84.8 157.6
 51 41.1 40.6 61.0



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

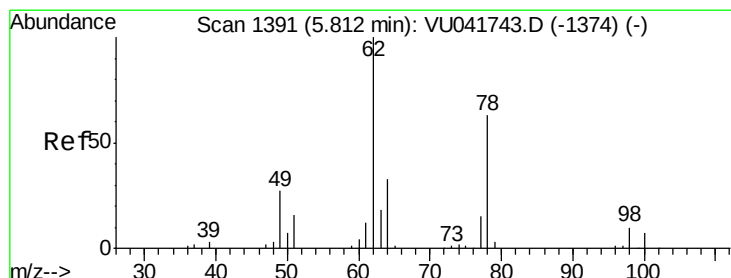
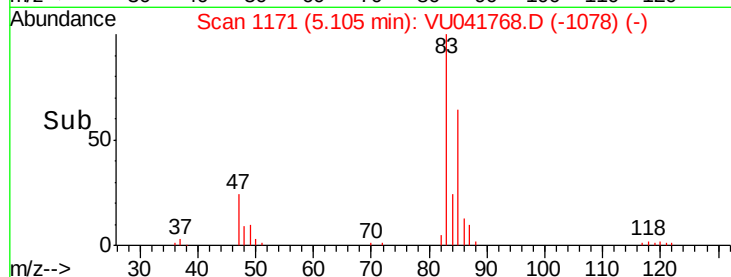
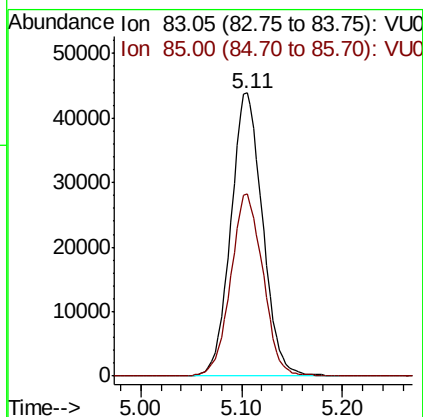
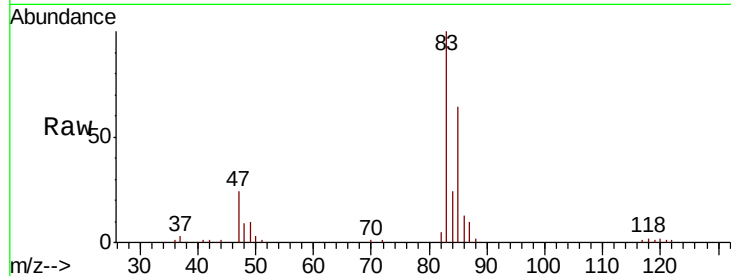




#25
Chloroform
Concen: 5.366 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041768.D
Acq: 23 Dec 2020 02:00

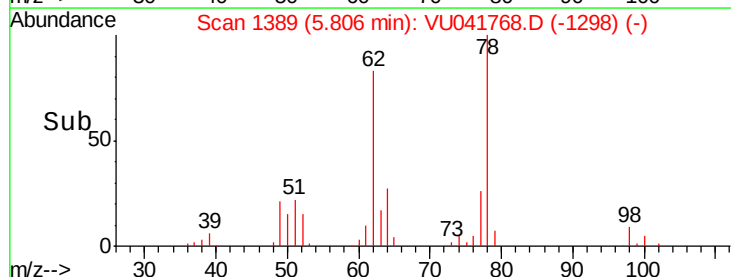
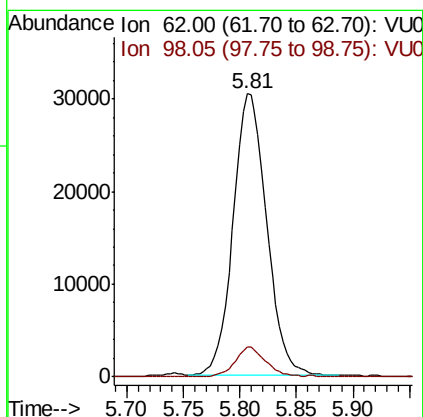
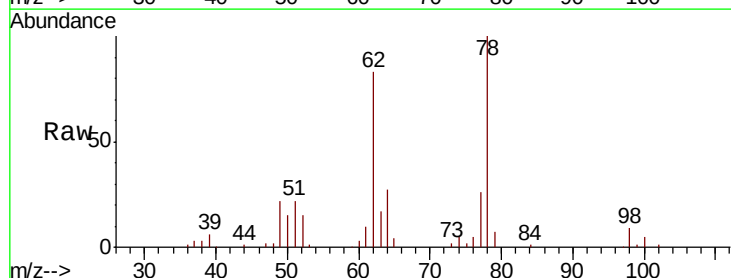
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

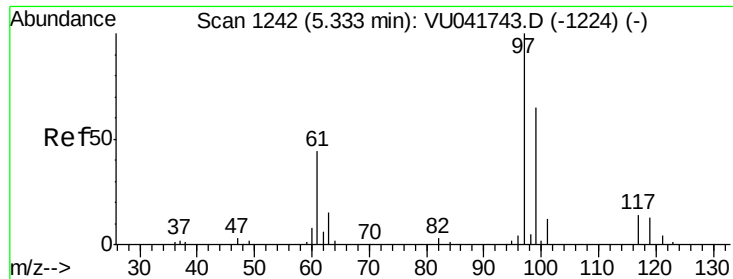
Tot Ion: 83 Resp: 95849
Ion Ratio Lower Upper
83 100
85 64.4 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.212 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VU041768.D
Acq: 23 Dec 2020 02:00

Tgt Ion: 62 Resp: 63049
Ion Ratio Lower Upper
62 100
98 10.5 8.2 12.2

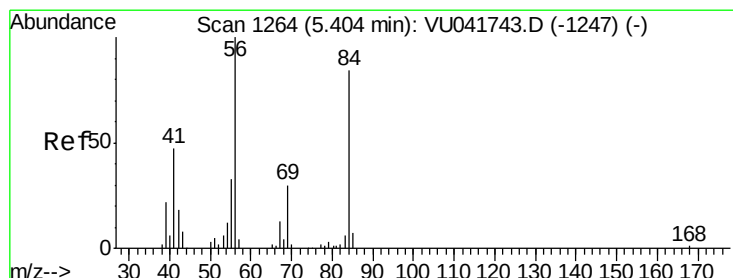
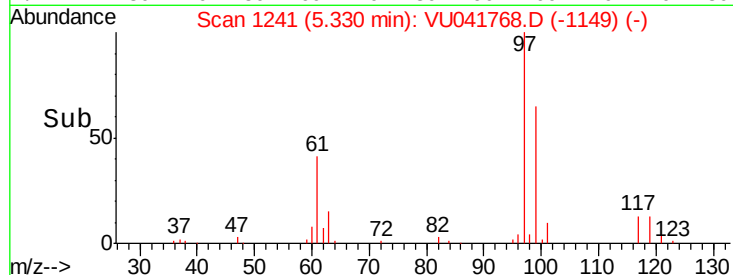
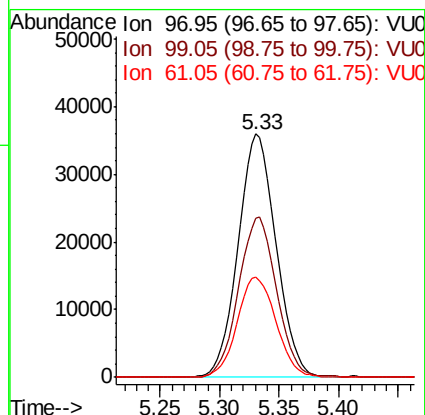
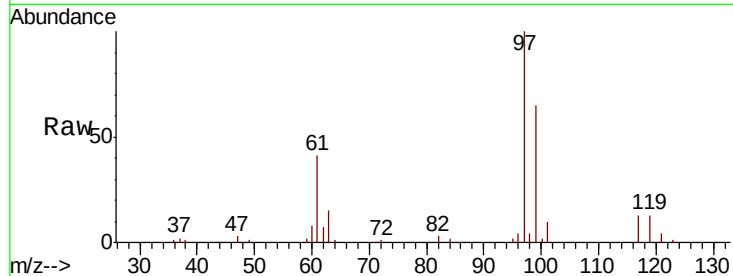




#29
 1,1,1-Trichloroethane
 Concen: 5.377 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041768.D
 Acq: 23 Dec 2020 02:00

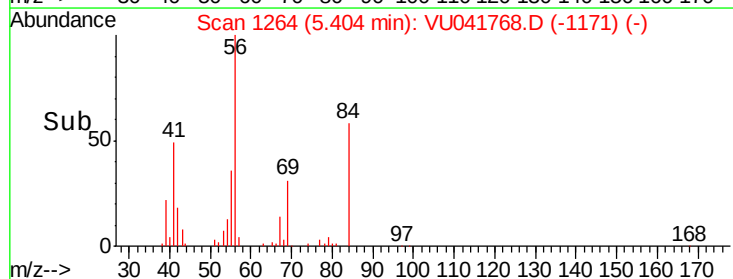
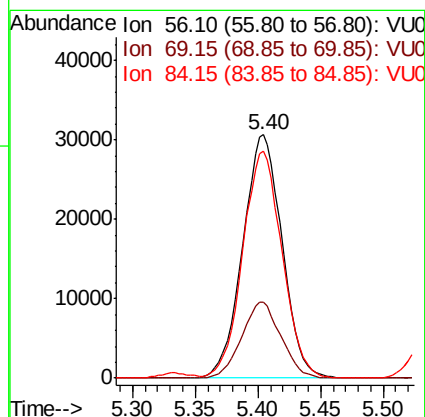
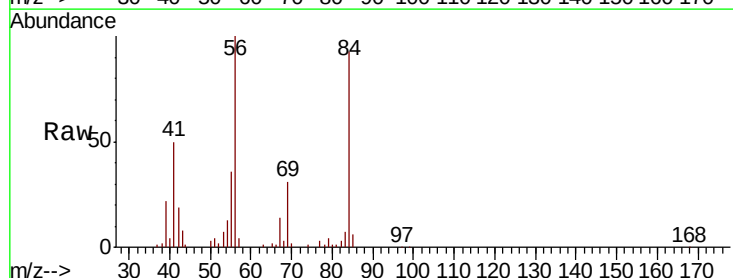
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

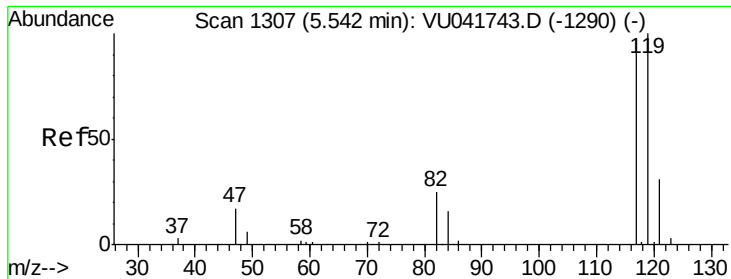
Tot Ion: 97 Resp: 79718
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.3 76.9
 61 42.0 36.5 54.7



#30
 Cyclohexane
 Concen: 4.017 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041768.D
 Acq: 23 Dec 2020 02:00

Tgt Ion: 56 Resp: 66749
 Ion Ratio Lower Upper
 56 100
 69 31.0 23.8 35.8
 84 93.6 66.2 99.4

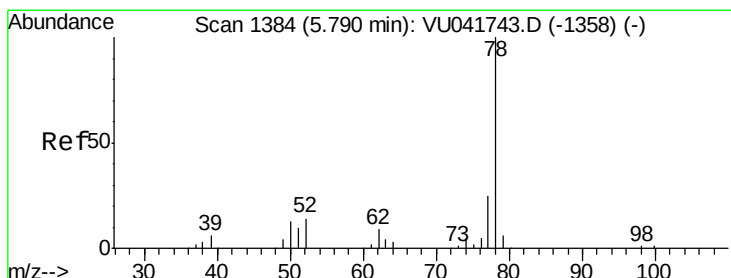
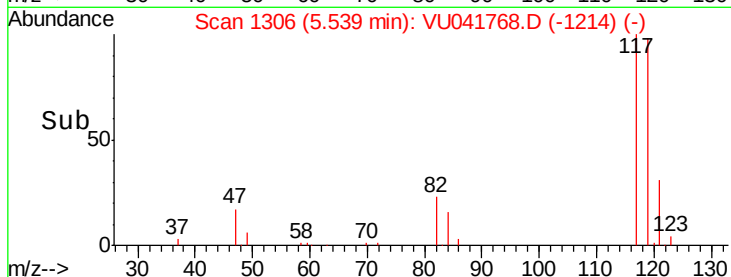
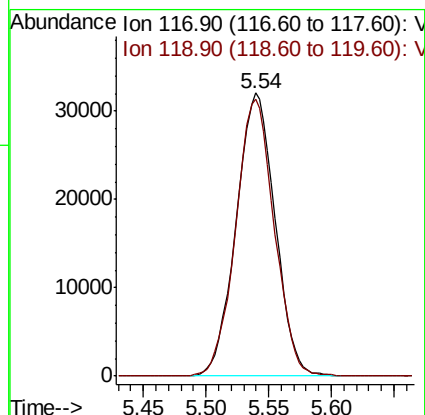
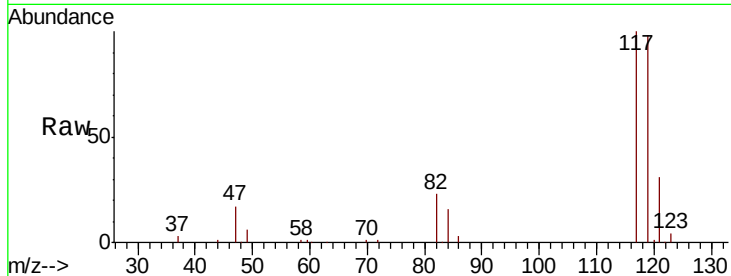




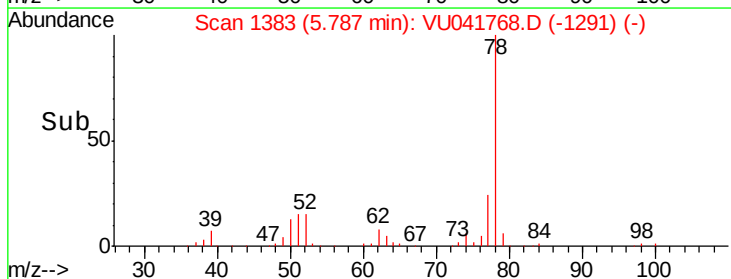
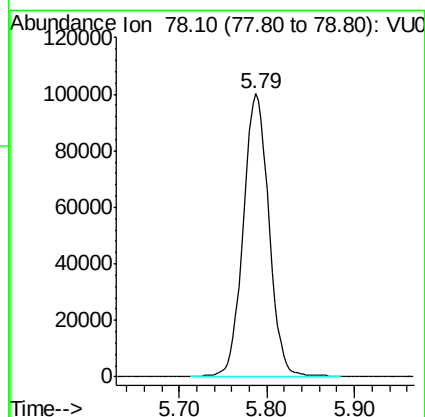
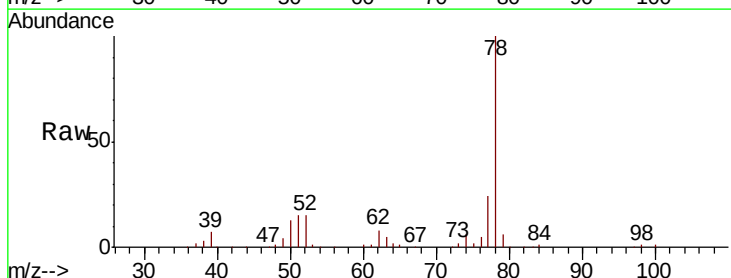
#31
Carbon tetrachloride
Concen: 5.381 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU041768.D
Acq: 23 Dec 2020 02:00

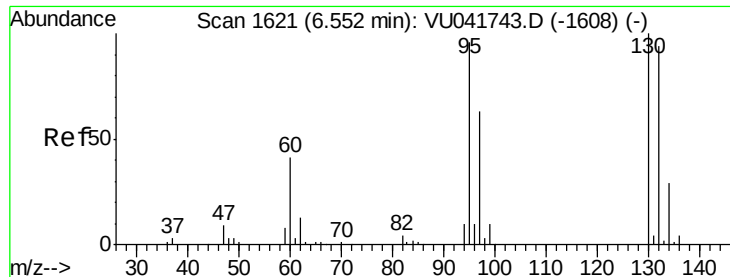
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:117 Resp: 68982
Ion Ratio Lower Upper
117 100
119 97.3 76.2 114.2



#33
Benzene
Concen: 4.953 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041768.D
Acq: 23 Dec 2020 02:00
Tgt Ion: 78 Resp: 204522

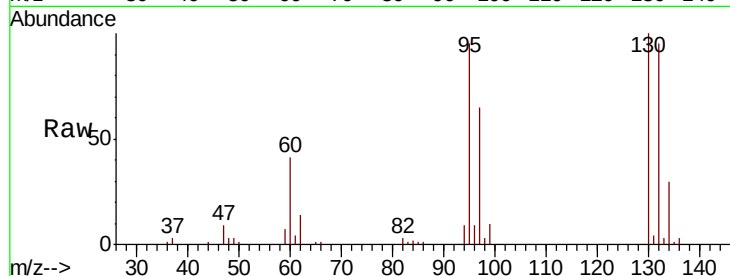




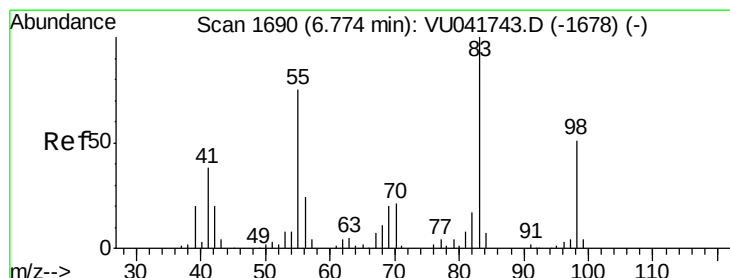
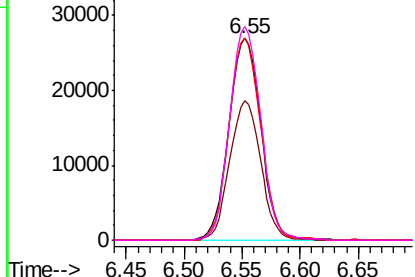
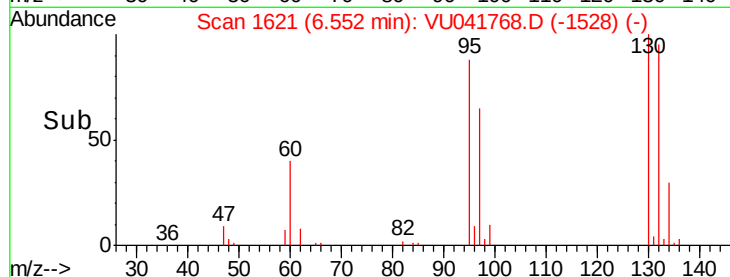
#34
 Trichloroethene
 Concen: 4.971 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041768.D
 Acq: 23 Dec 2020 02:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion: 95 Resp: 51578
 Ion Ratio Lower Upper
 95 100
 97 68.9 43.9 81.5
 132 100.1 63.1 117.3
 130 105.8 67.4 125.2

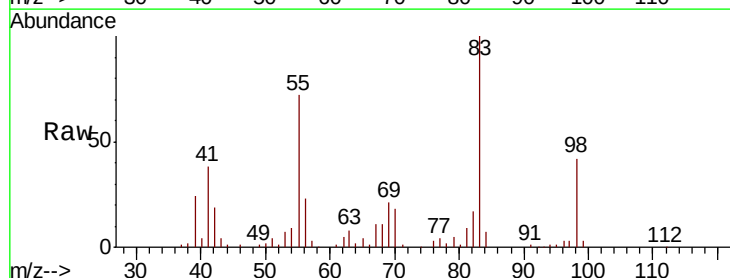


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

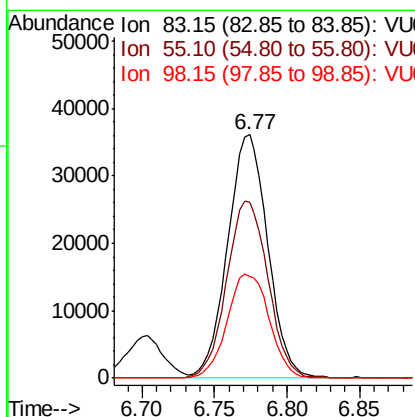
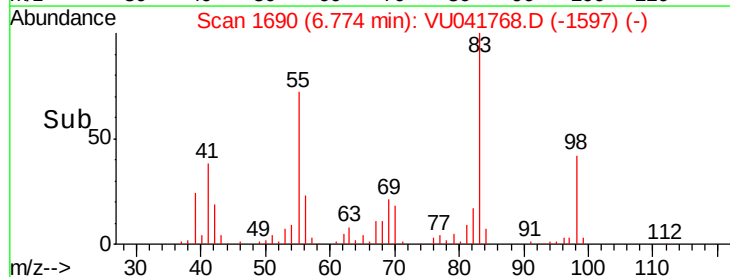


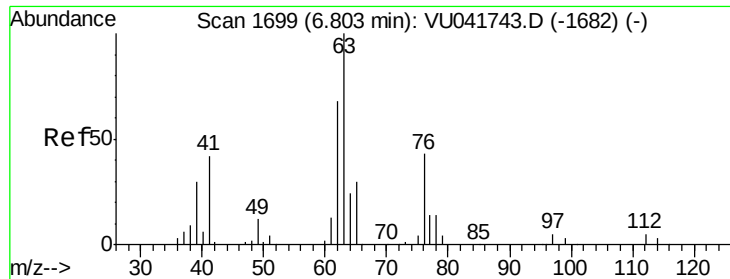
#35
 Methylcyclohexane
 Concen: 4.149 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041768.D
 Acq: 23 Dec 2020 02:00

Tgt Ion: 83 Resp: 69596
 Ion Ratio Lower Upper
 83 100
 55 74.7 61.2 91.8
 98 44.8 36.6 54.8



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

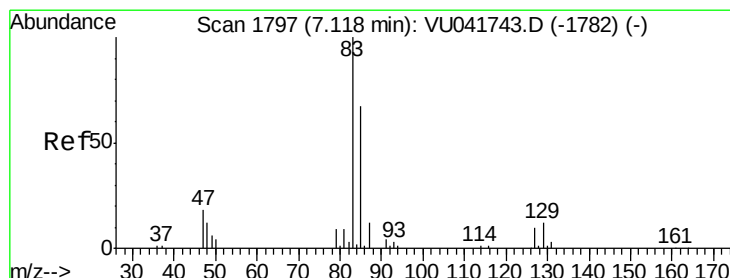
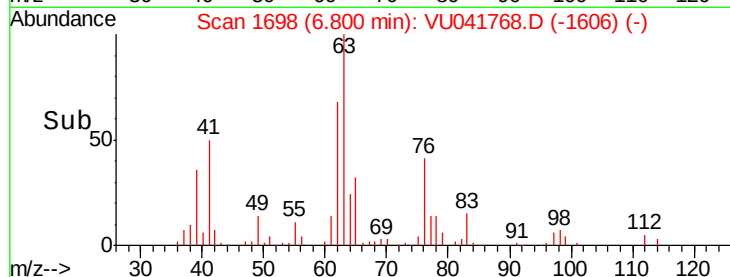
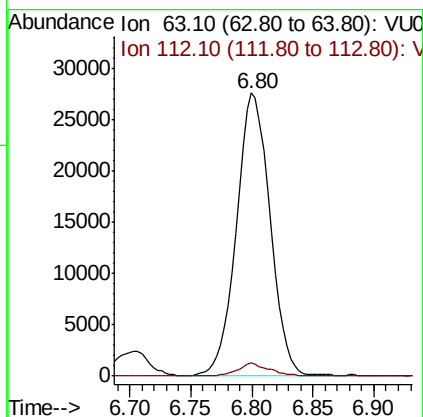
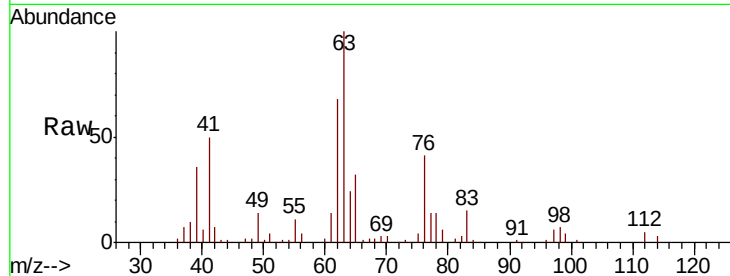




#37
 1,2-Dichloropropane
 Concen: 4.997 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041768.D
 Acq: 23 Dec 2020 02:00

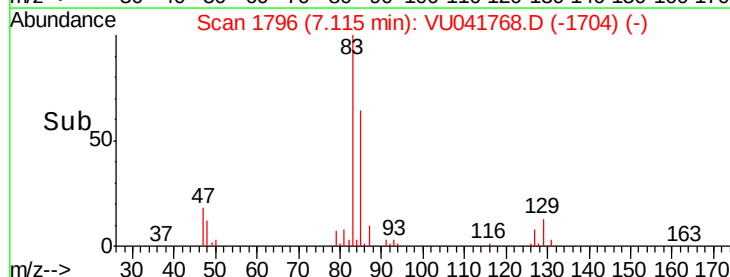
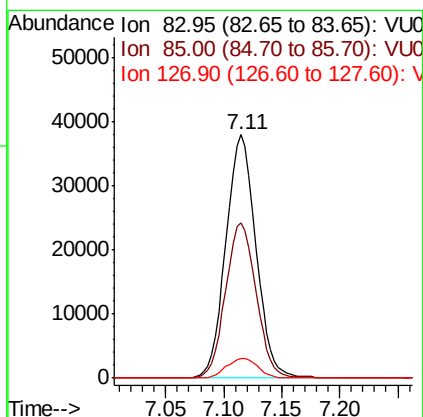
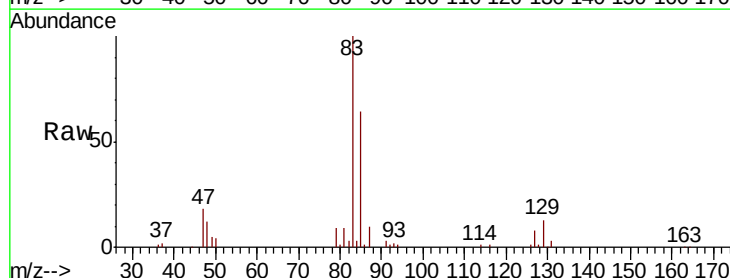
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

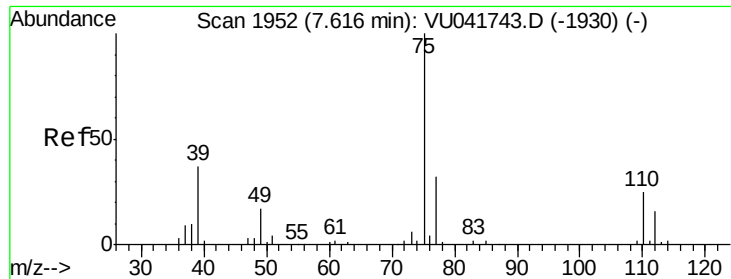
Tot Ion: 63 Resp: 52777
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.194 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041768.D
 Acq: 23 Dec 2020 02:00

Tgt Ion: 83 Resp: 68251
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.5 84.5
 127 8.2 7.0 10.6

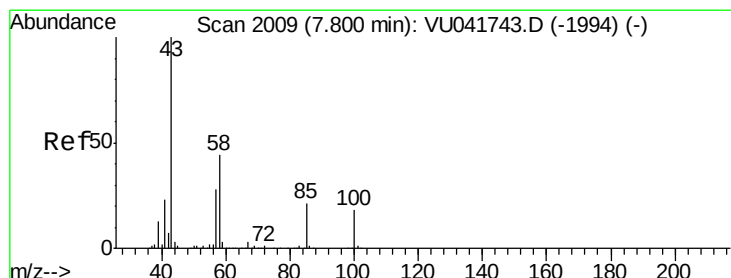
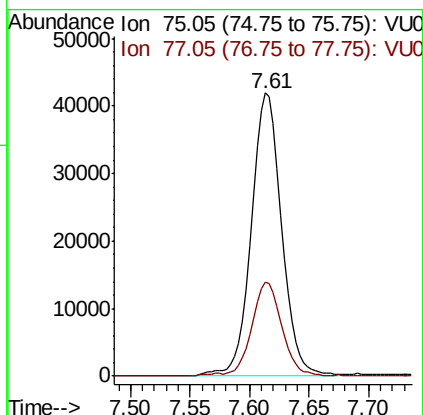
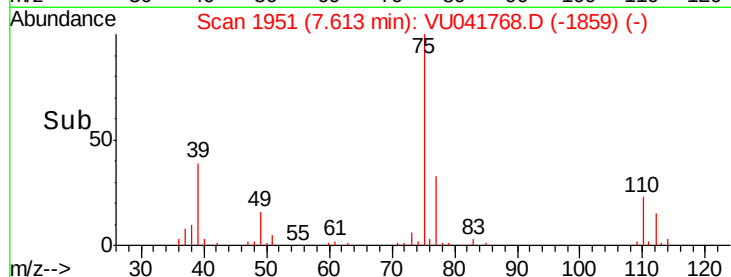
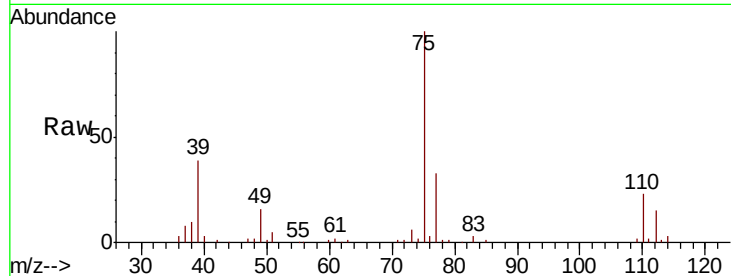




#39
 cis-1,3-Dichloropropene
 Concen: 4.747 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041768.D
 Acq: 23 Dec 2020 02:00

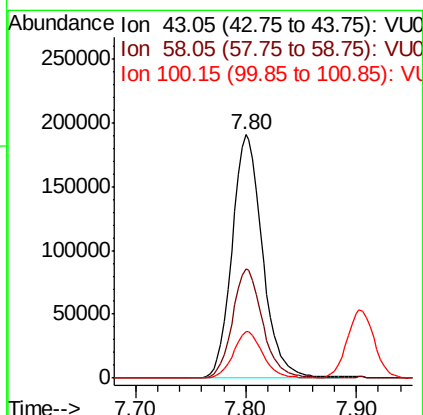
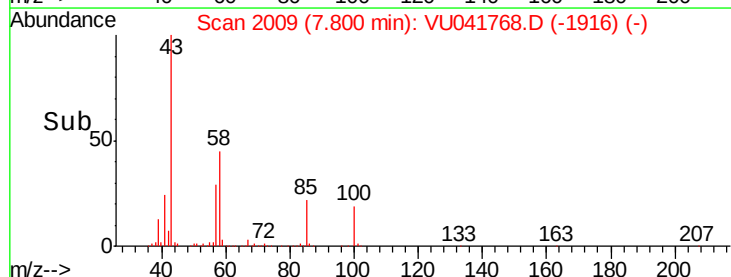
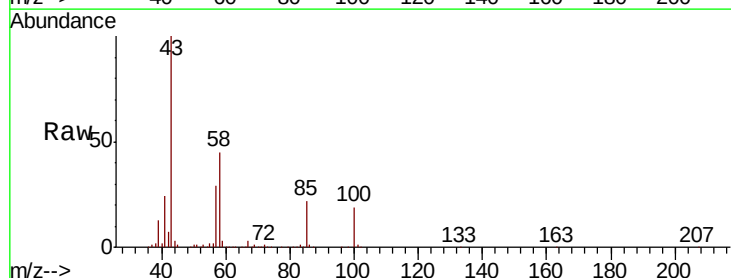
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

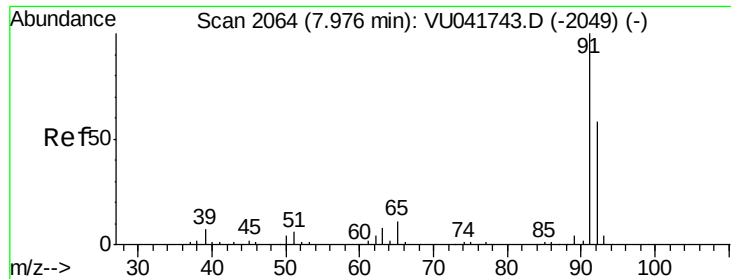
Tot Ion: 75 Resp: 74294
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 48.417 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041768.D
 Acq: 23 Dec 2020 02:00

Tgt Ion: 43 Resp: 363864
 Ion Ratio Lower Upper
 43 100
 58 44.5 34.2 51.2
 100 18.6 12.3 18.5#





#42

Toluene

Concen: 5.113 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

Instrument :

MSVOA_U

ClientSampleId :

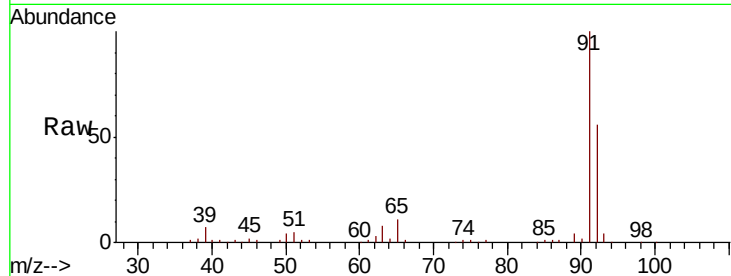
VSTD00526

Tot Ion: 91 Resp: 217954

Ion Ratio Lower Upper

91 100

92 55.9 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041743.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041743.D (-2049) (-)

7.97

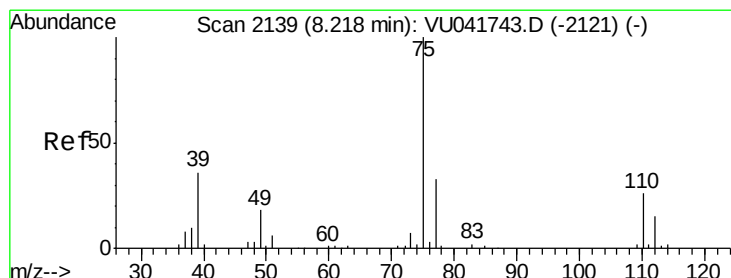
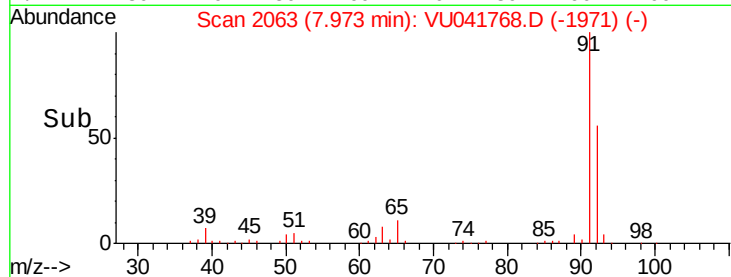
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.885 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041768.D

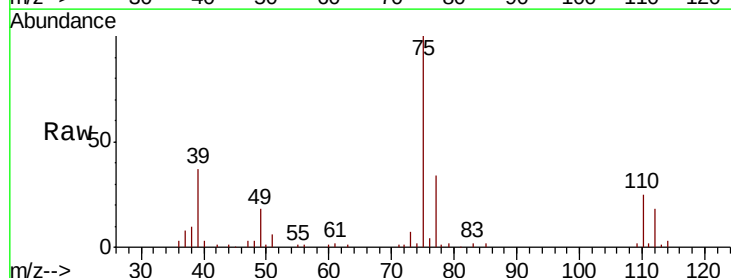
Acq: 23 Dec 2020 02:00

Tgt Ion: 75 Resp: 68359

Ion Ratio Lower Upper

75 100

77 34.2 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041743.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041743.D (-2121) (-)

8.21

40000

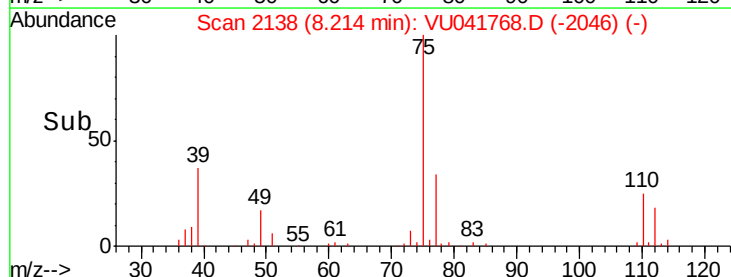
30000

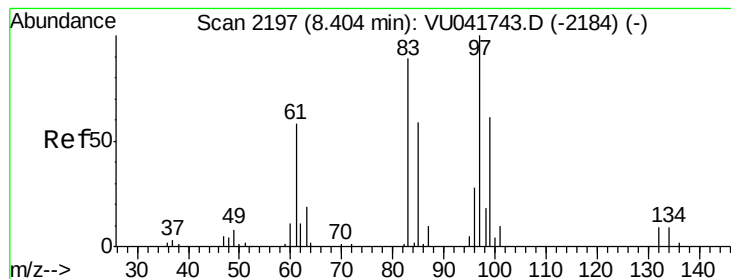
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.827 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tot Ion: 97 Resp: 45512

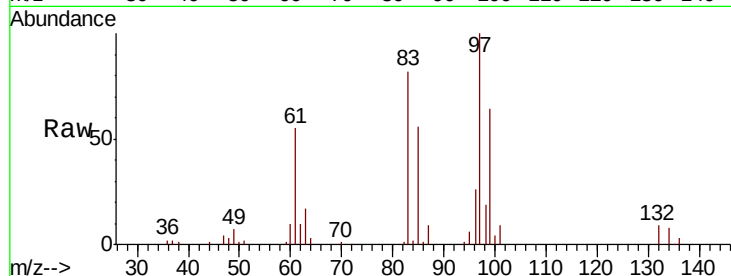
Ion Ratio Lower Upper

97 100

99 63.9 42.1 78.3

83 81.5 62.6 116.2

85 55.9 39.1 72.7



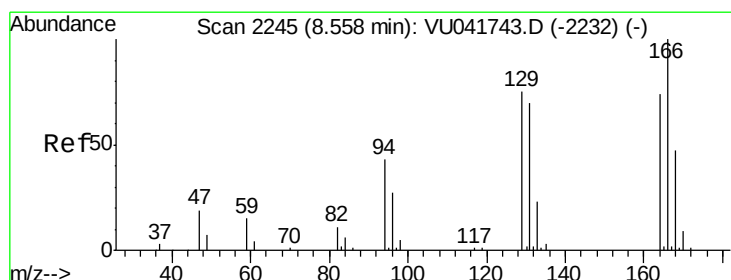
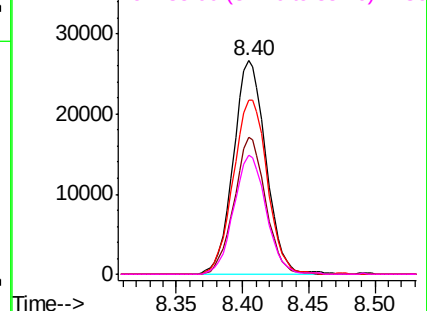
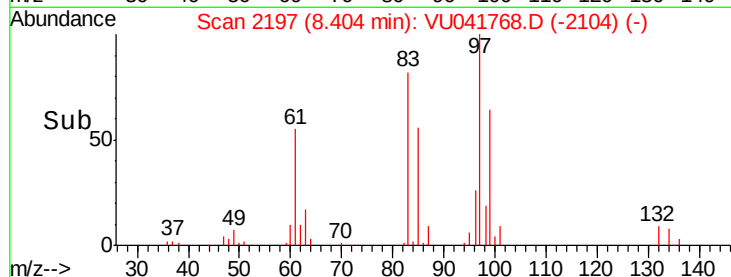
Abundance

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: 5.381 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

Tgt Ion:164 Resp: 39083

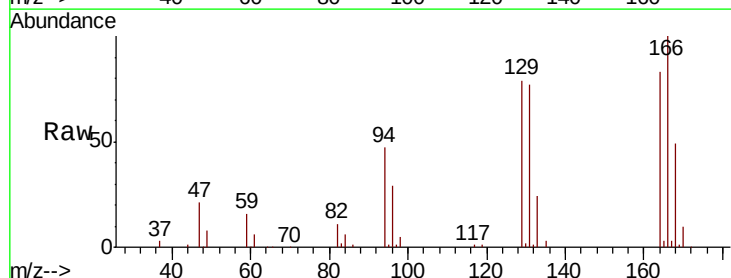
Ion Ratio Lower Upper

164 100

129 95.8 72.2 134.0

131 92.4 66.9 124.3

166 120.8 89.6 166.4



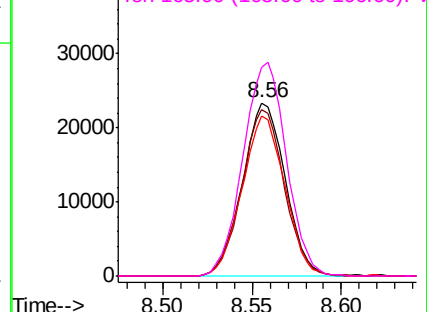
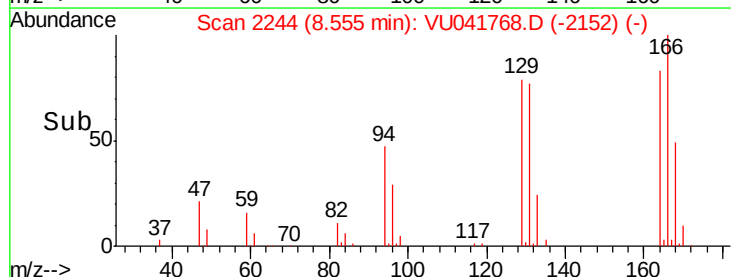
Abundance

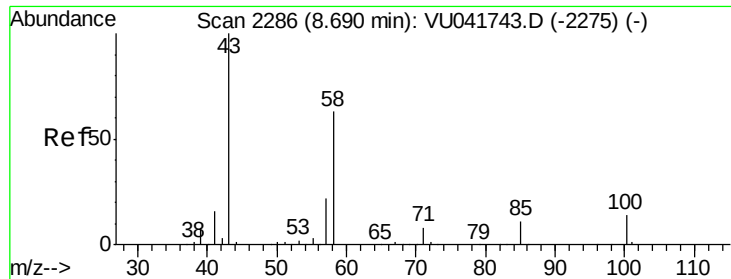
Ion 163.90 (163.60 to 164.60): V

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

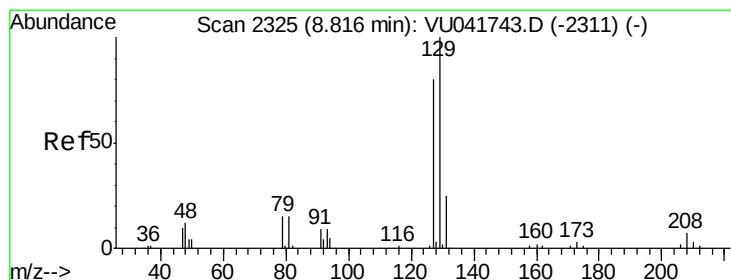
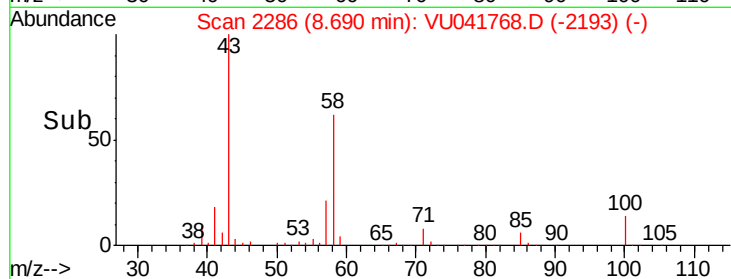
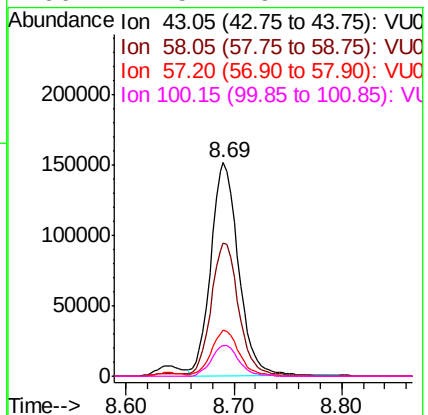
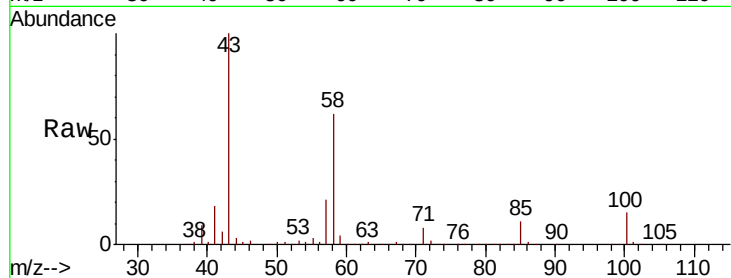




#48
2-Hexanone
Concen: 49.445 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041768.D
Acq: 23 Dec 2020 02:00

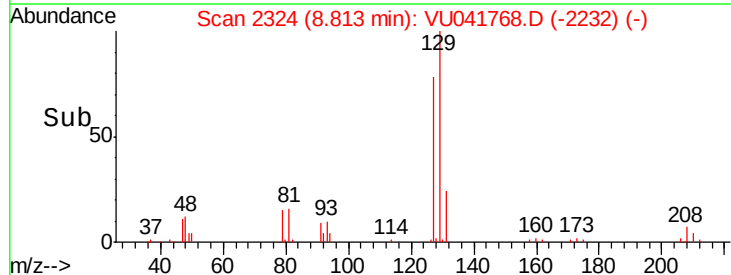
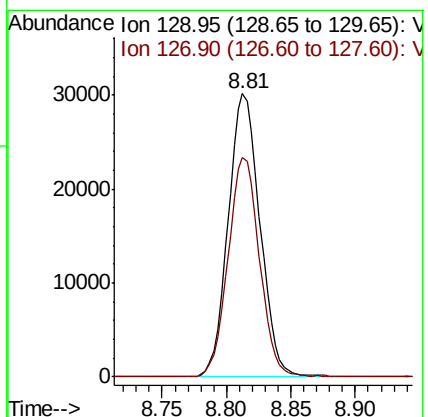
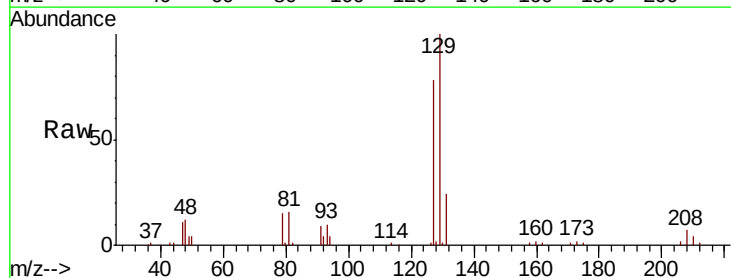
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

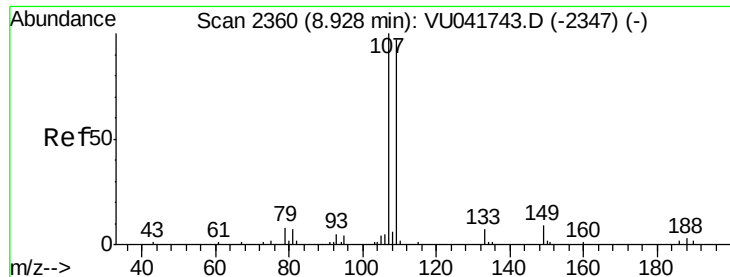
Tot Ion: 43 Resp: 270432
Ion Ratio Lower Upper
43 100
58 61.5 47.9 71.9
57 21.2 16.5 24.7
100 14.5 9.4 14.2#



#49
Dibromochloromethane
Concen: 5.743 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041768.D
Acq: 23 Dec 2020 02:00

Tgt Ion: 129 Resp: 51527
Ion Ratio Lower Upper
129 100
127 77.6 54.7 101.7

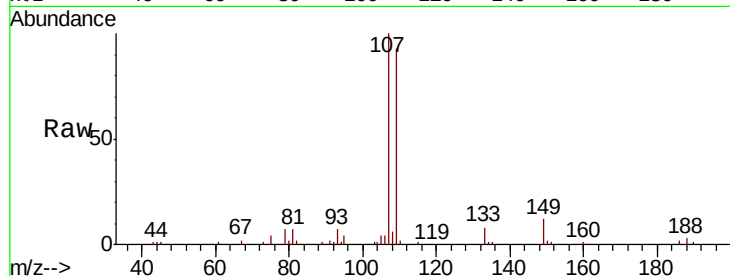




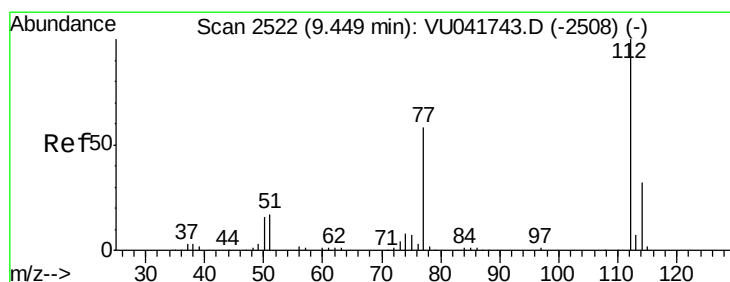
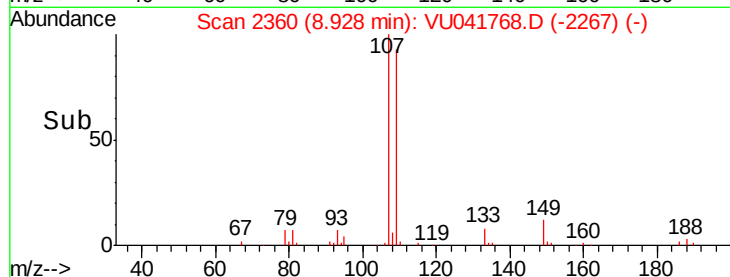
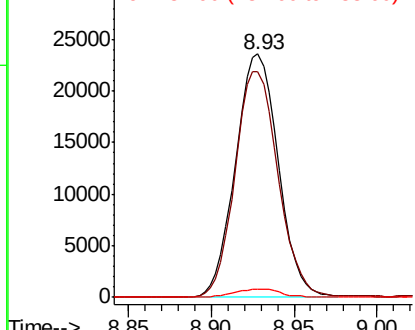
#50
1,2-Dibromoethane
Concen: 5.494 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041768.D
Acq: 23 Dec 2020 02:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:107 Resp: 42444
Ion Ratio Lower Upper
107 100
109 92.6 65.6 121.8
188 3.2 2.6 4.0

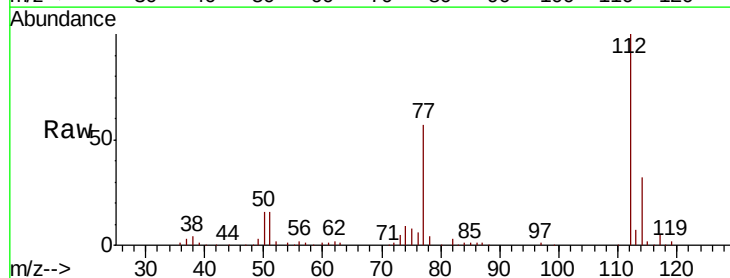


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

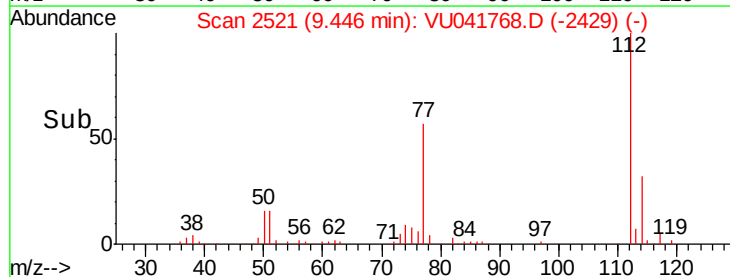
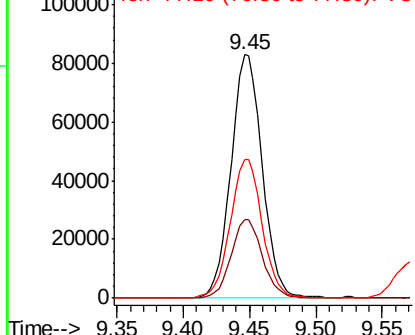


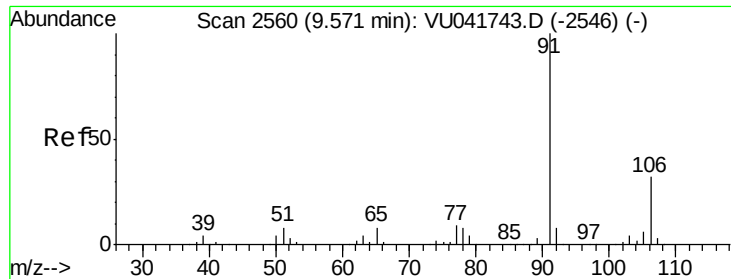
#51
Chlorobenzene
Concen: 5.128 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041768.D
Acq: 23 Dec 2020 02:00

Tgt Ion:112 Resp: 135882
Ion Ratio Lower Upper
112 100
114 32.3 22.7 42.3
77 56.7 49.1 73.7



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





#52

Ethylbenzene

Concen: 4.753 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

Instrument :

MSVOA_U

ClientSampled :

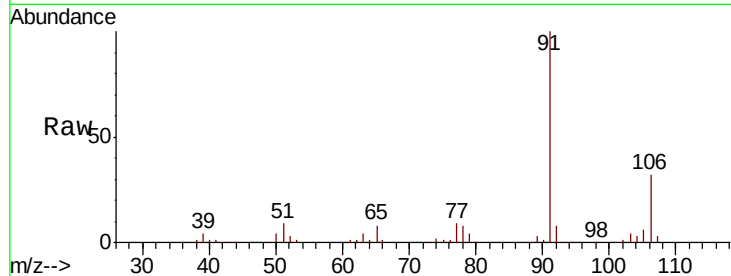
VSTD00526

Tot Ion: 91 Resp: 215771

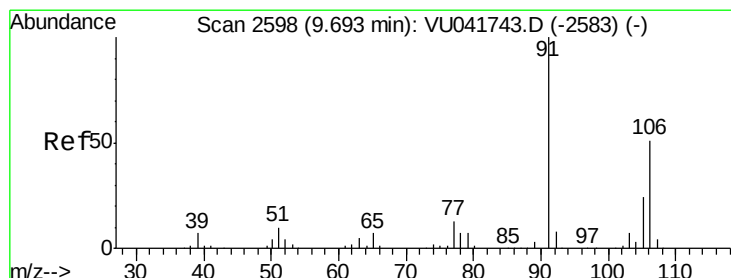
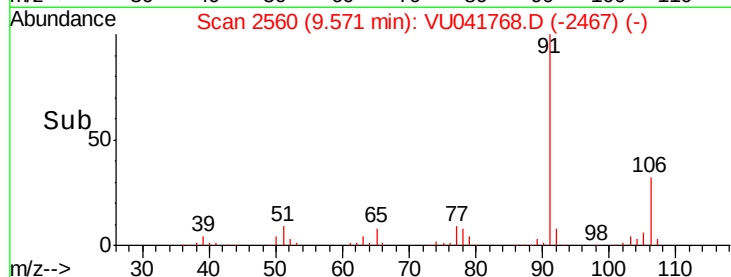
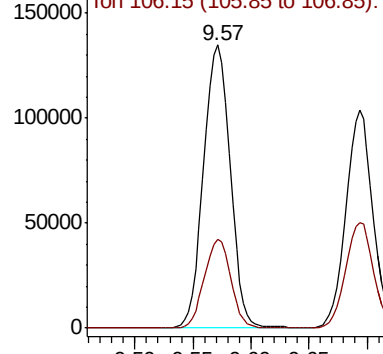
Ion Ratio Lower Upper

91 100

106 31.6 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041768.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.991 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041768.D

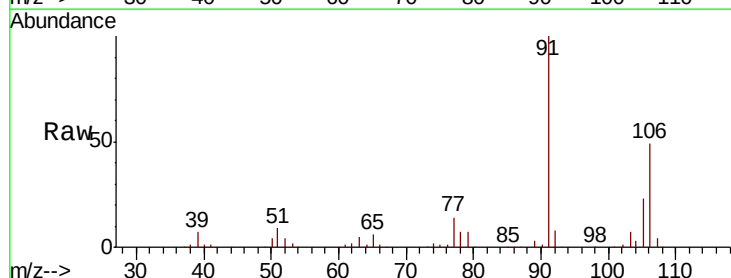
Acq: 23 Dec 2020 02:00

Tgt Ion: 106 Resp: 84501

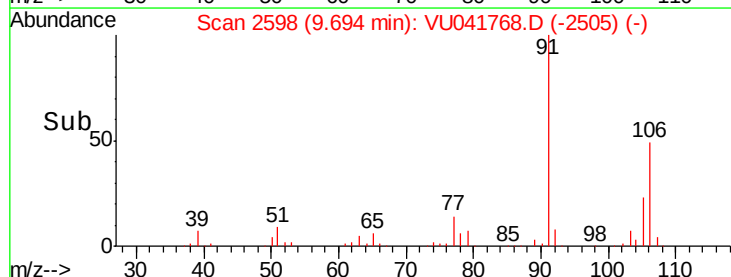
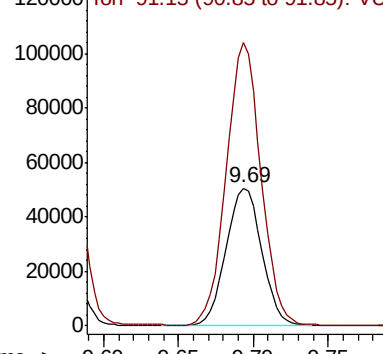
Ion Ratio Lower Upper

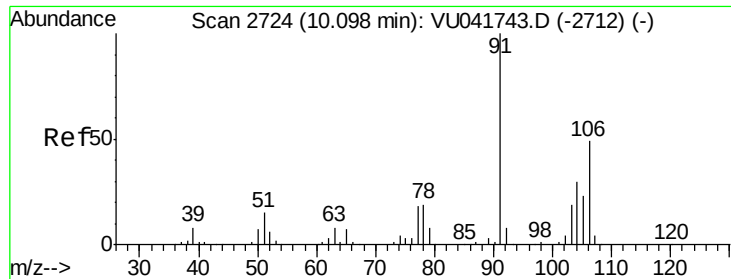
106 100

91 205.9 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041768.D (-2505) (-)

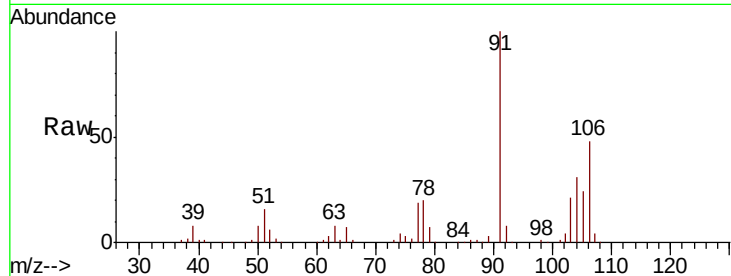




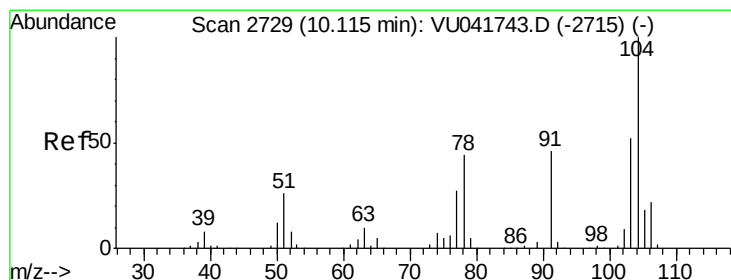
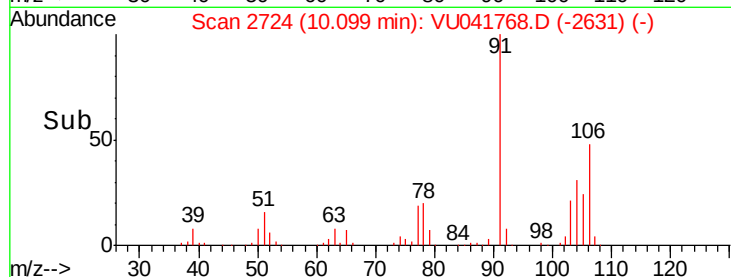
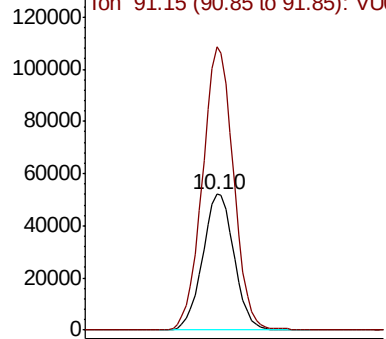
#54
o-Xylene
Concen: 5.013 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041768.D
Acq: 23 Dec 2020 02:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:106 Resp: 83123
Ion Ratio Lower Upper
106 100
91 208.8 151.3 281.1

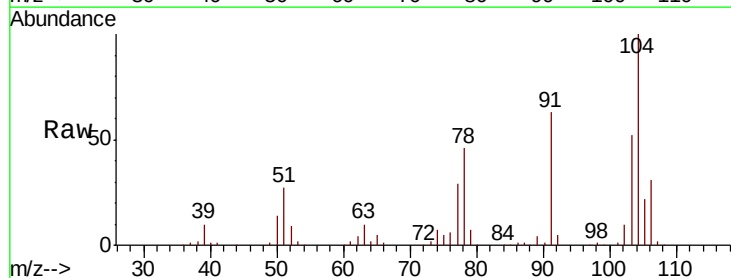


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

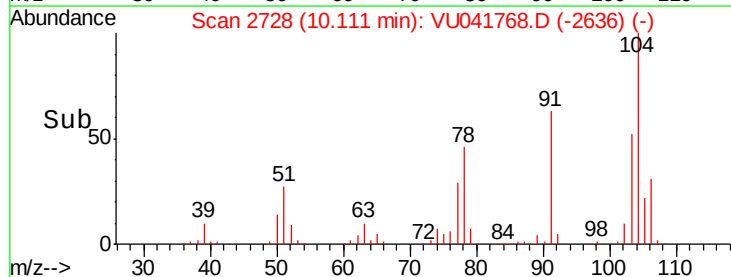
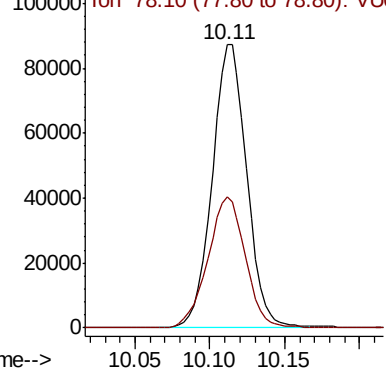


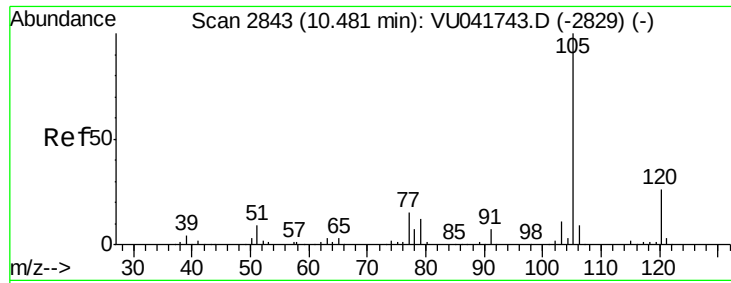
#55
Styrene
Concen: 4.885 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041768.D
Acq: 23 Dec 2020 02:00

Tgt Ion:104 Resp: 139927
Ion Ratio Lower Upper
104 100
78 46.2 31.1 57.9



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





#56

Isopropylbenzene

Concen: 4.832 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

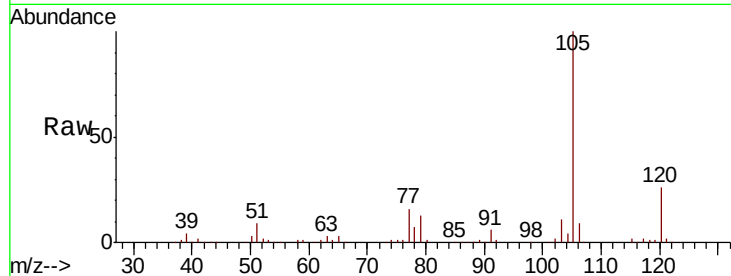
Tot Ion:105 Resp: 213263

Ion Ratio Lower Upper

105 100

120 26.4 20.5 30.7

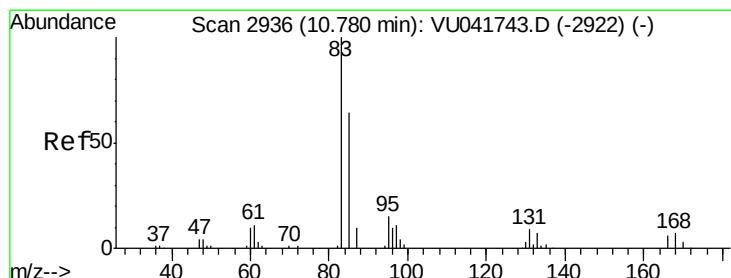
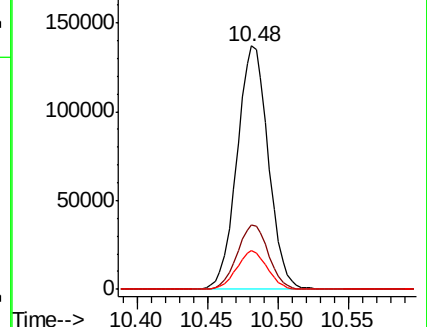
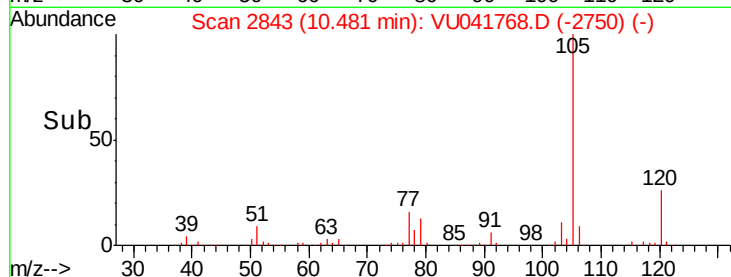
77 15.5 12.7 19.1



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: 5.193 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

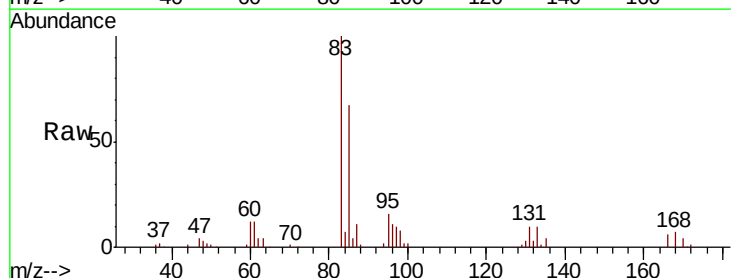
Tgt Ion: 83 Resp: 56441

Ion Ratio Lower Upper

83 100

85 67.0 46.1 85.7

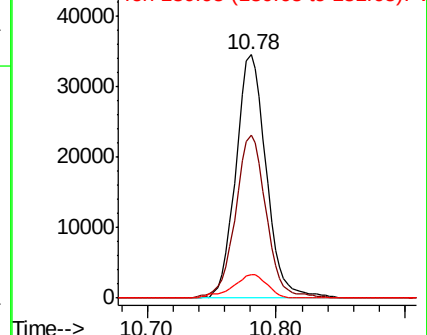
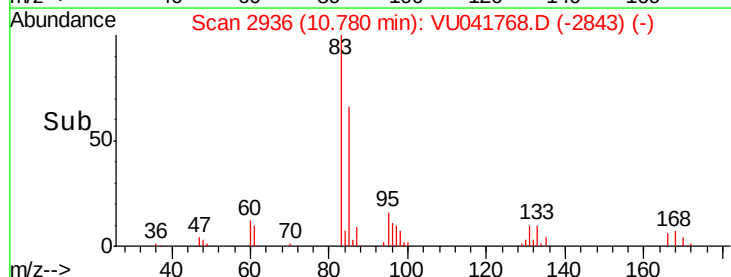
131 9.8 7.8 11.6

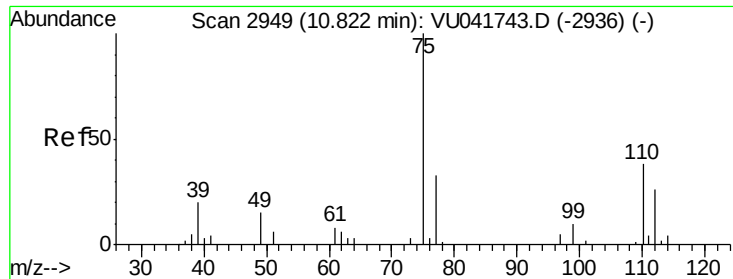


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

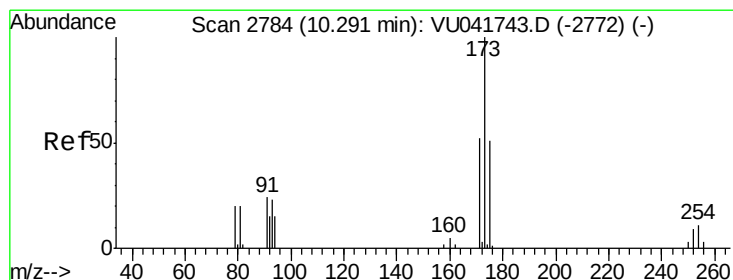
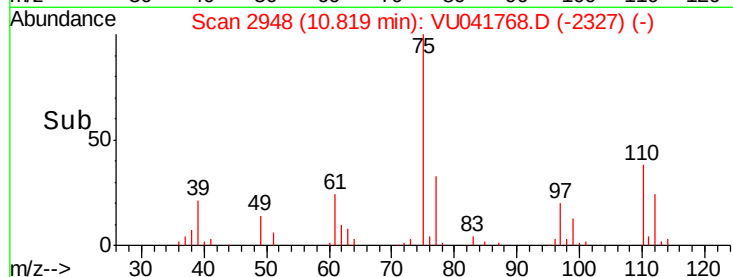
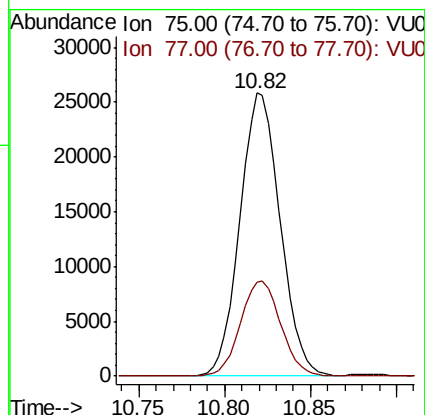
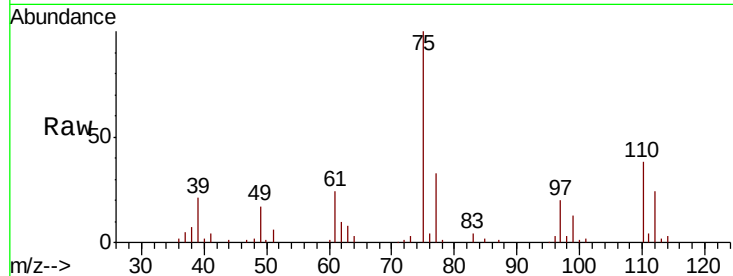




#59
 1,2,3-Trichloropropane
 Concen: 5.293 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU041768.D
 Acq: 23 Dec 2020 02:00

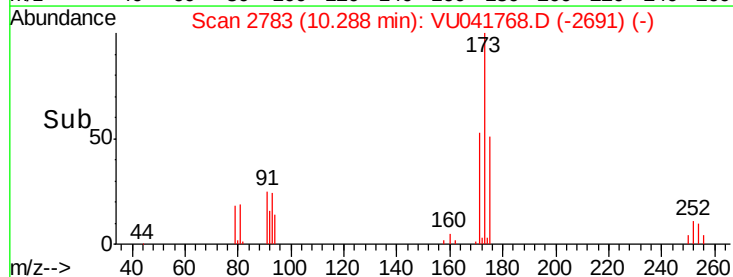
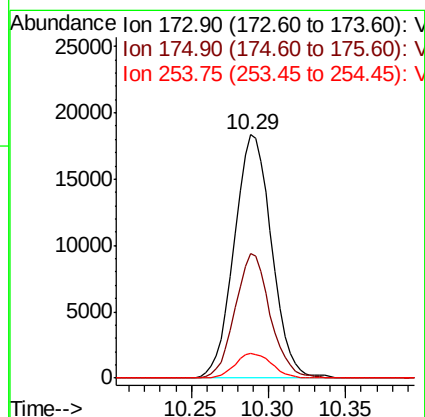
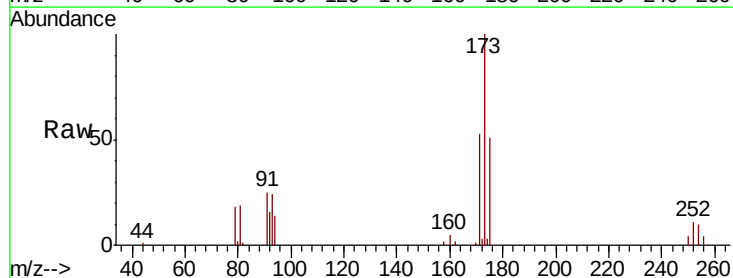
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

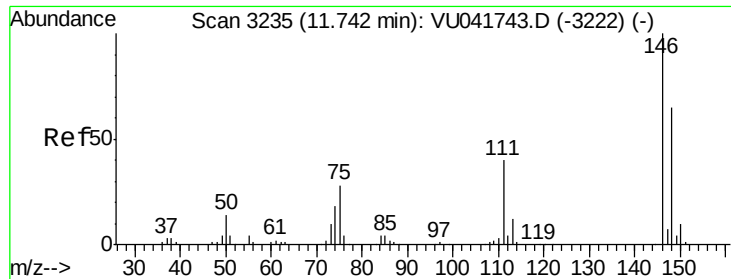
Tot Ion: 75 Resp: 41987
 Ion Ratio Lower Upper
 75 100
 77 33.5 26.2 39.2



#61
 Bromoform
 Concen: 6.244 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU041768.D
 Acq: 23 Dec 2020 02:00

Tgt Ion: 173 Resp: 30872
 Ion Ratio Lower Upper
 173 100
 175 47.9 37.3 55.9
 254 9.8 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 5.215 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

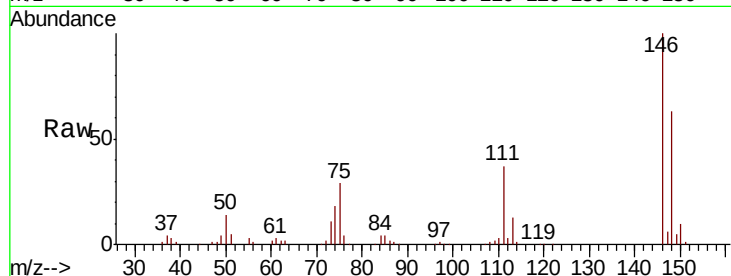
Tot Ion:146 Resp: 104325

Ion Ratio Lower Upper

146 100

111 37.5 30.0 55.8

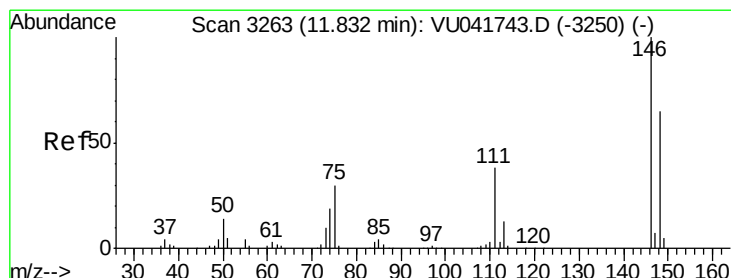
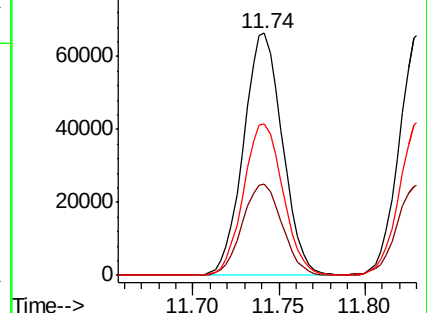
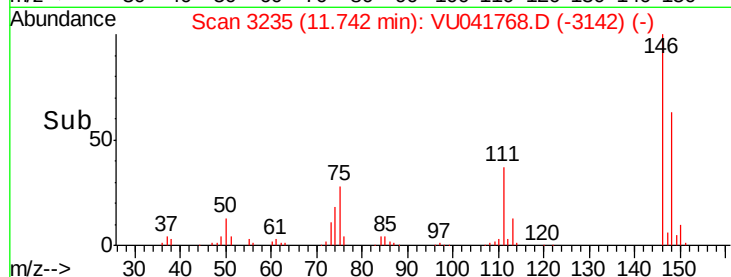
148 62.6 44.9 83.3



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: 5.161 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

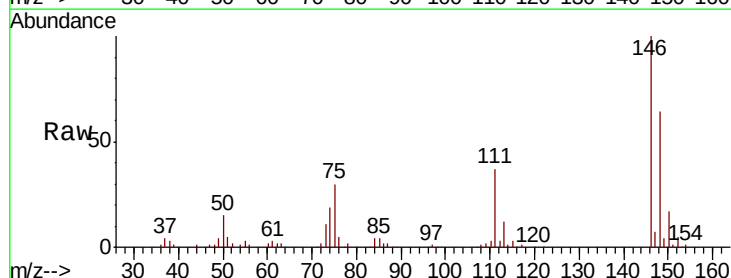
Tgt Ion:146 Resp: 103797

Ion Ratio Lower Upper

146 100

111 37.2 27.9 51.9

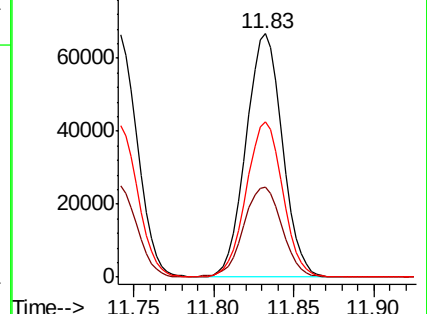
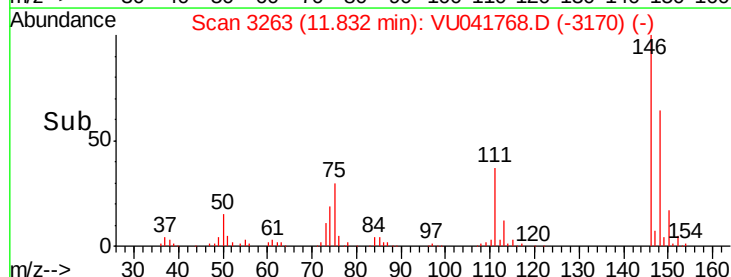
148 64.0 45.0 83.6

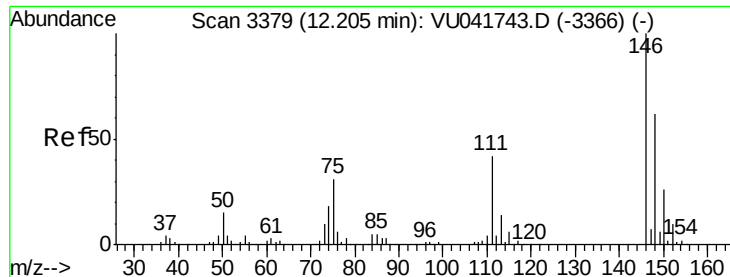


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.290 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

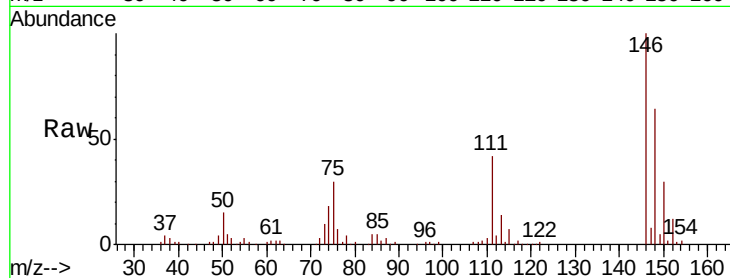
Tot Ion:146 Resp: 103620

Ion Ratio Lower Upper

146 100

111 41.8 35.0 52.6

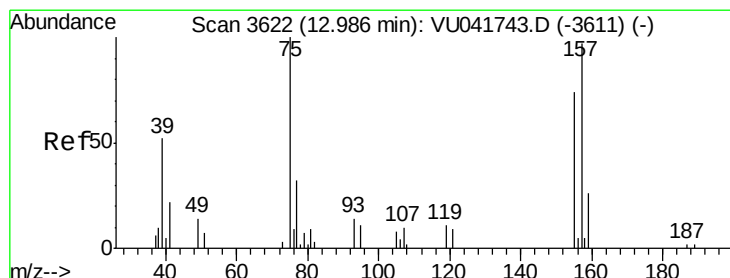
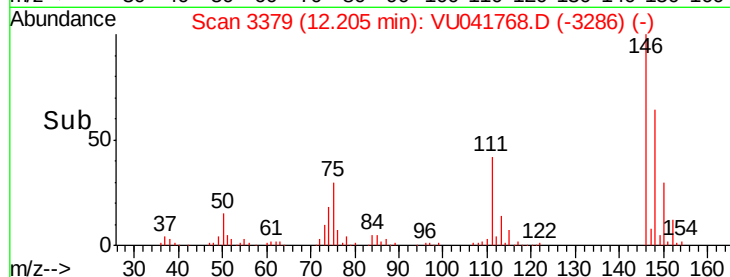
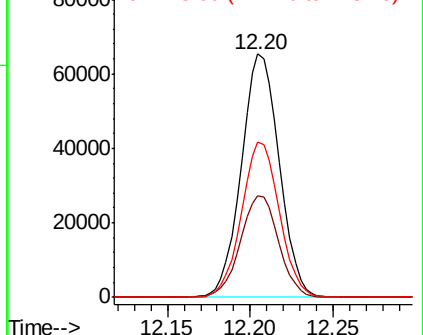
148 63.6 51.0 76.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.278 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. 0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

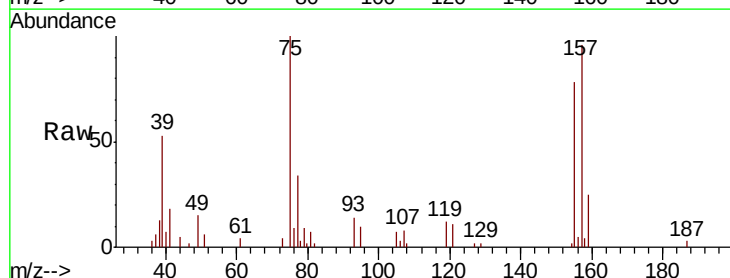
Tgt Ion: 75 Resp: 9696

Ion Ratio Lower Upper

75 100

155 78.5 57.4 86.0

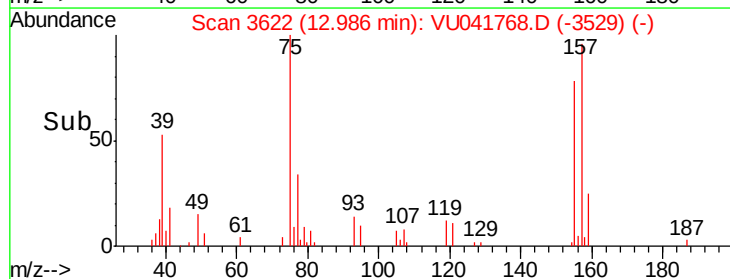
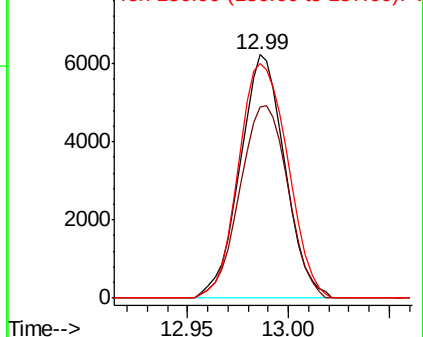
157 96.3 72.4 108.6

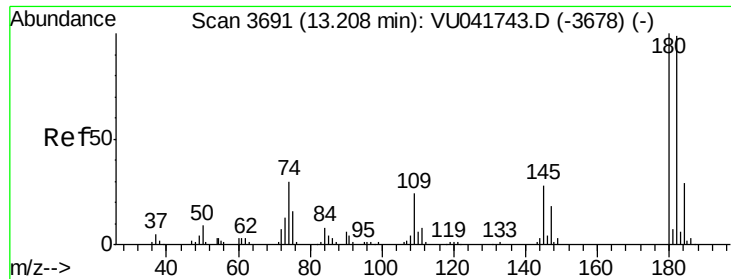


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

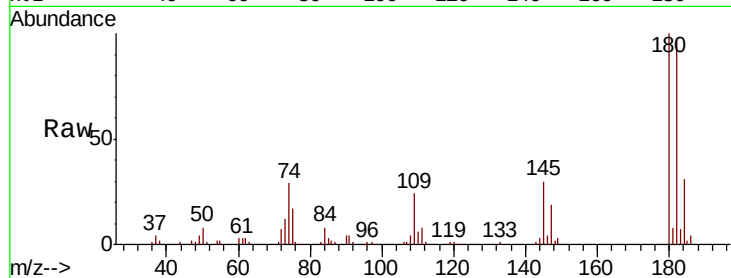




#67
 1,3,5-Trichlorobenzene
 Concen: 4.843 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041768.D
 Acq: 23 Dec 2020 02:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.3	114.5
184	31.2	24.1	36.1
145	29.9	24.1	36.1



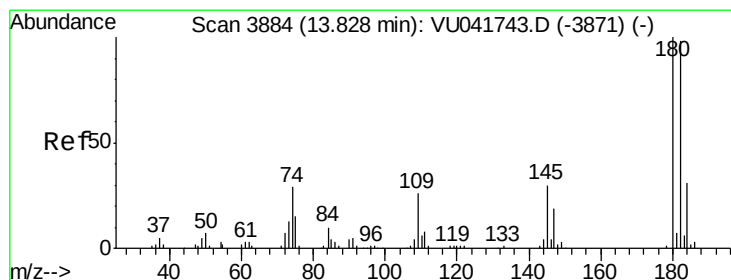
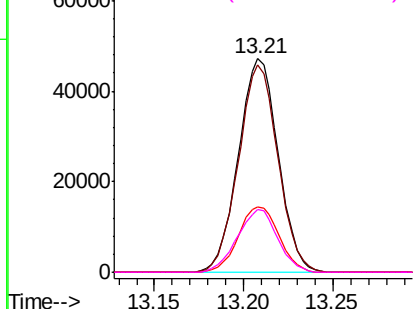
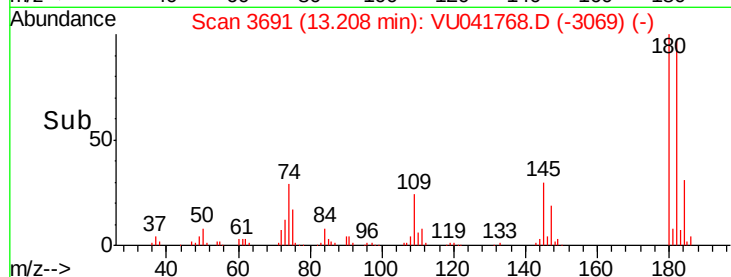
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

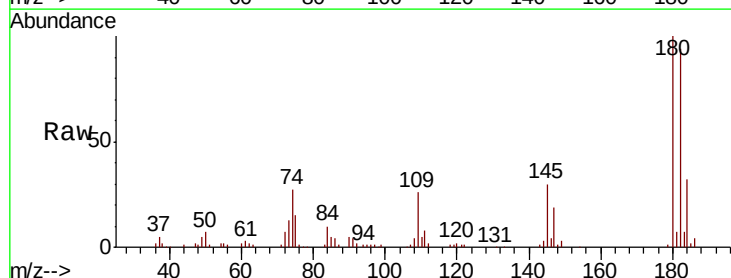
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.467 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041768.D
 Acq: 23 Dec 2020 02:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.4	113.0
145	30.6	24.5	36.7

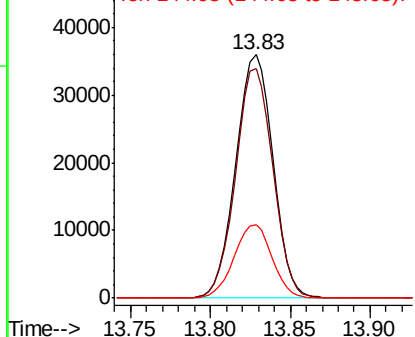
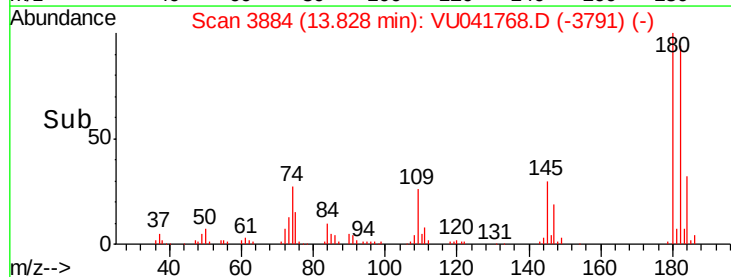


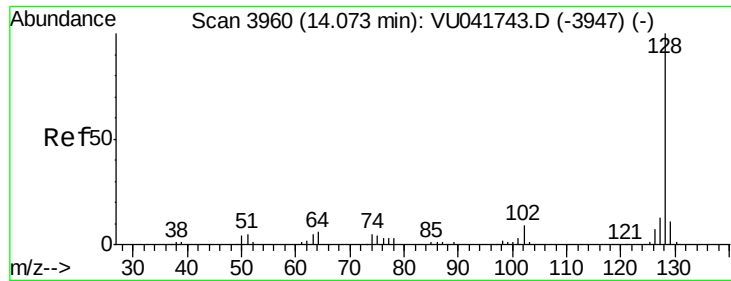
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.964 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

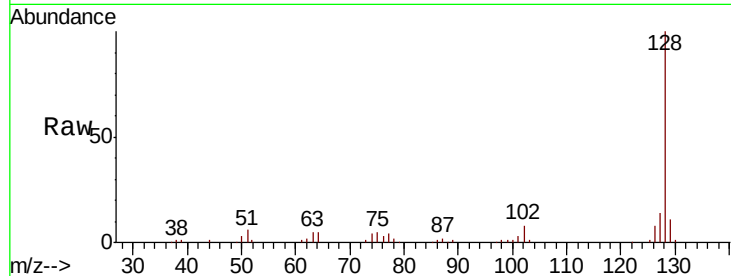
Tot Ion:128 Resp: 104558

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

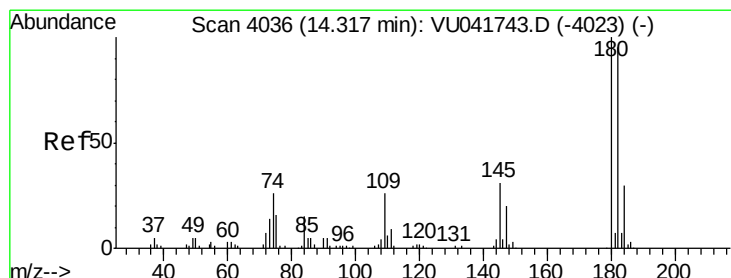
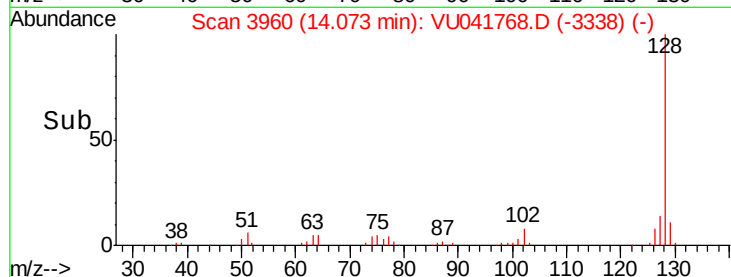
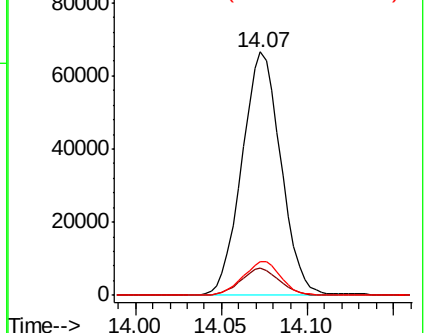
127 13.7 10.2 15.4



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: 4.613 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041768.D

Acq: 23 Dec 2020 02:00

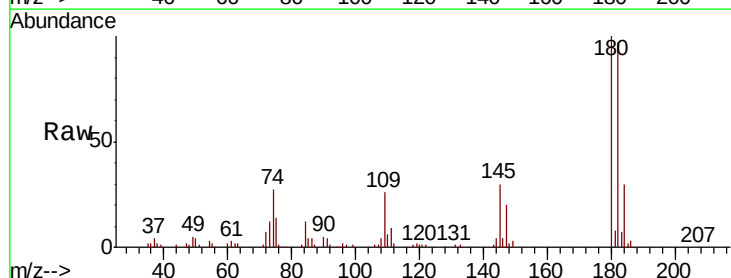
Tgt Ion:180 Resp: 56023

Ion Ratio Lower Upper

180 100

182 99.4 77.0 115.4

145 31.2 26.4 39.6



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

