

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102720\
 Data File : VU040975.D
 Acq On : 27 Oct 2020 11:22
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Quant Time: Oct 28 02:15:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 27 15:31:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	67123	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	68295	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	34389	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23432	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.92	69	18293	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.58	63	47934	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.60%
20) 2-Butanone-d5	4.66	46	79479	42.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.60%
24) Chloroform-d	5.08	84	43657	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.72	65	26783	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
32) Benzene-d6	5.74	84	79882	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.70	67	26013	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	7.90	98	73609	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	8.18	79	11080	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.64	63	60714	43.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24530	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	25361	4.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	27076	4.418	ug/L	98
3) Chloromethane	1.53	50	28096	4.397	ug/L	99
5) Vinyl chloride	1.61	62	27249	4.323	ug/L	100
6) Bromomethane	1.87	94	13881	3.842	ug/L	95
8) Chloroethane	1.94	64	16643	4.167	ug/L	99
9) Trichlorofluoromethane	2.15	101	37530	4.380	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	22913	4.563	ug/L	99
12) 1,1-Dichloroethene	2.59	96	20453	4.314	ug/L	95
13) Acetone	2.67	43	56202	44.268	ug/L #	59
14) Carbon disulfide	2.81	76	67503	4.260	ug/L	99
15) Methyl Acetate	2.97	43	11801	4.062	ug/L	92
16) Methylene chloride	3.06	84	23811	4.310	ug/L	96
17) Methyl tert-butyl Ether	3.38	73	49840	4.084	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	20047	4.160	ug/L	97
19) 1,1-Dichloroethane	3.89	63	41572	4.316	ug/L	98
21) 2-Butanone	4.74	43	87790	44.243	ug/L	95
22) cis-1,2-Dichloroethene	4.68	96	21316	4.289	ug/L	95

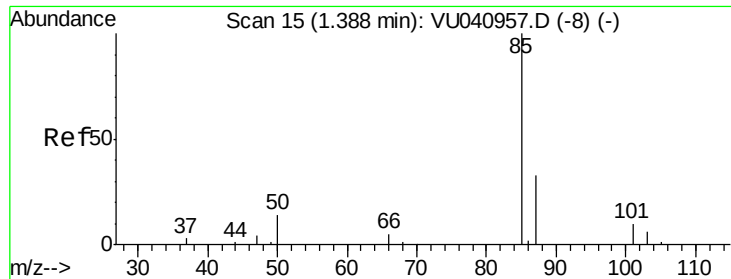
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102720\
 Data File : VU040975.D
 Acq On : 27 Oct 2020 11:22
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Quant Time: Oct 28 02:15:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 27 15:31:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	10703	4.565	ug/L	95
25) Chloroform	5.11	83	43186	4.470	ug/L	97
27) 1,2-Dichloroethane	5.81	62	31519	4.381	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	36424	4.361	ug/L	98
30) Cyclohexane	5.40	56	34172	4.152	ug/L	98
31) Carbon tetrachloride	5.54	117	31781	4.297	ug/L	99
33) Benzene	5.79	78	89433	4.383	ug/L	100
34) Trichloroethene	6.55	95	22189	4.273	ug/L	98
35) Methylcyclohexane	6.77	83	32967	4.256	ug/L	99
37) 1,2-Dichloropropane	6.80	63	24058	4.357	ug/L	99
38) Bromodichloromethane	7.11	83	30579	4.269	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	32080	4.220	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	190059	43.170	ug/L	99
42) Toluene	7.97	91	93092	4.499	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	31084	4.369	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	18169	4.420	ug/L	89
47) Tetrachloroethene	8.56	164	17486	4.579	ug/L	97
48) 2-Hexanone	8.69	43	148598	44.826	ug/L	99
49) Dibromochloromethane	8.81	129	20383	4.270	ug/L	98
50) 1,2-Dibromoethane	8.93	107	16842	4.300	ug/L	98
51) Chlorobenzene	9.45	112	56685	4.320	ug/L	100
52) Ethylbenzene	9.57	91	93408	4.288	ug/L	100
53) m,p-Xylene	9.69	106	35455	4.463	ug/L	93
54) o-Xylene	10.10	106	32523	4.396	ug/L	94
55) Styrene	10.11	104	59514	4.515	ug/L	99
56) Isopropylbenzene	10.48	105	89377	4.493	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	22746	4.214	ug/L	96
59) 1,2,3-Trichloropropane	10.82	75	17794	4.324	ug/L	99
61) Bromoform	10.29	173	11022	4.159	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	44367	4.469	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	44967	4.374	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	41883	4.276	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4122	4.293	ug/L	89
67) 1,3,5-Trichlorobenzene	13.21	180	29279	4.217	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	23859	4.149	ug/L	97
69) Naphthalene	14.08	128	40947	3.982	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	23410	4.416	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.418 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

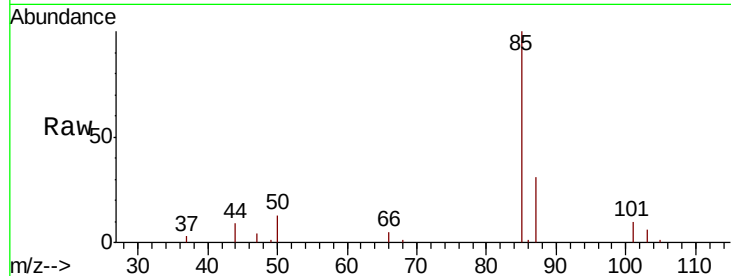
VSTD00528

Tot Ion: 85 Resp: 27076

Ion Ratio Lower Upper

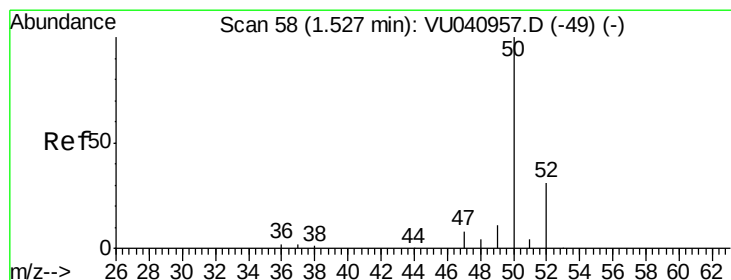
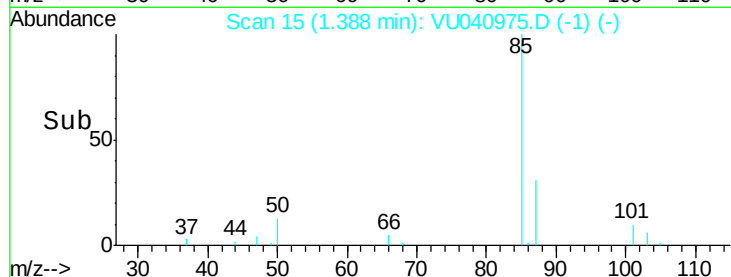
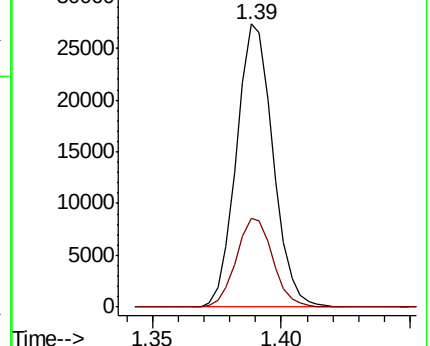
85 100

87 31.3 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: 4.397 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040975.D

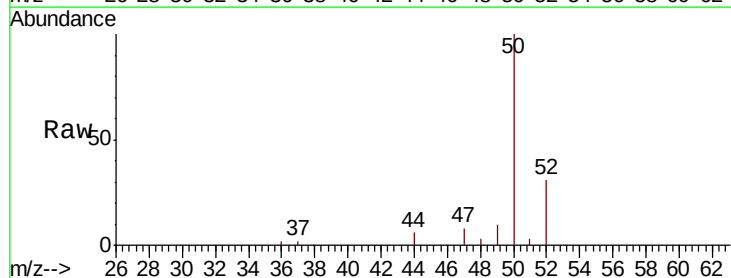
Acq: 27 Oct 2020 11:22

Tgt Ion: 50 Resp: 28096

Ion Ratio Lower Upper

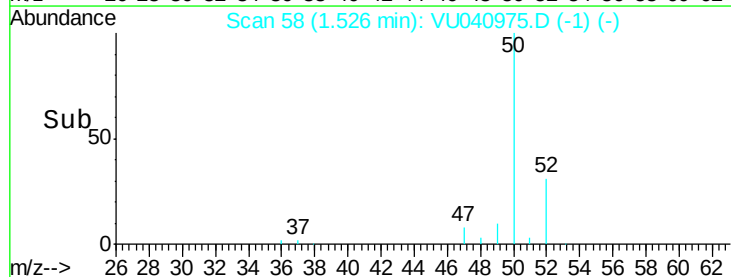
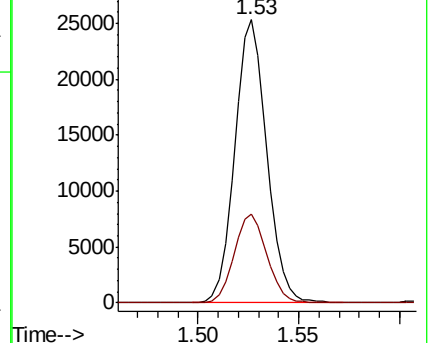
50 100

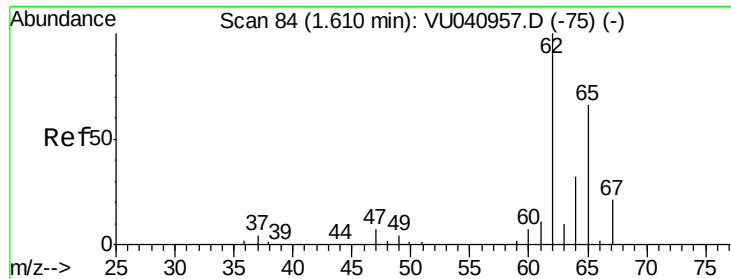
52 31.2 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.323 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

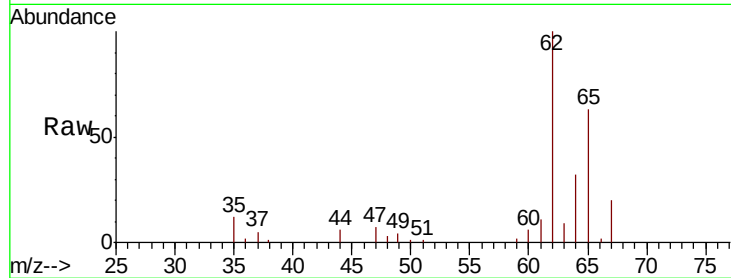
VSTD00528

Tot Ion: 62 Resp: 27249

Ion Ratio Lower Upper

62 100

64 32.3 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU040975.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040975.D (-75) (-)

1.61

25000

20000

15000

10000

5000

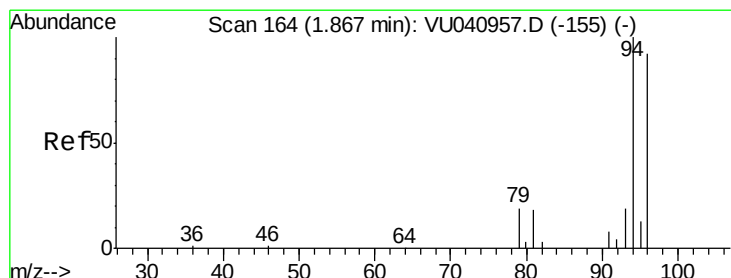
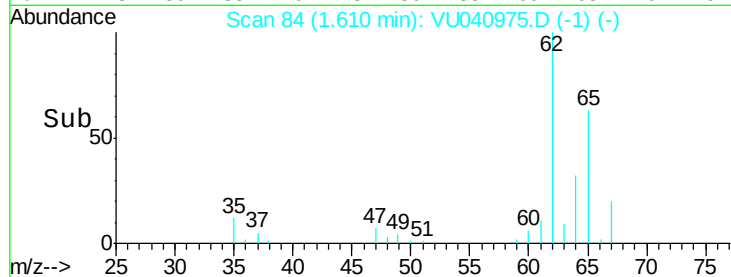
0

Time-->

1.55

1.60

1.65



#6

Bromomethane

Concen: 3.842 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040975.D

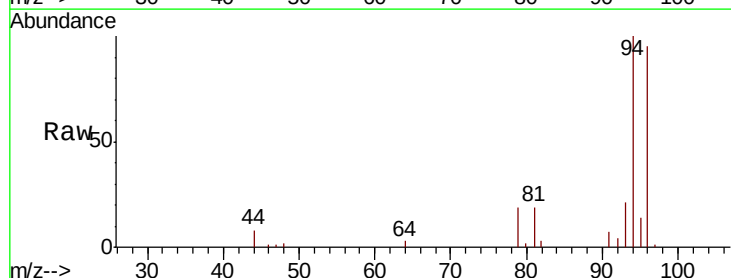
Acq: 27 Oct 2020 11:22

Tgt Ion: 94 Resp: 13881

Ion Ratio Lower Upper

94 100

96 95.2 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU040957.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU040957.D (-155) (-)

1.87

12000

10000

8000

6000

4000

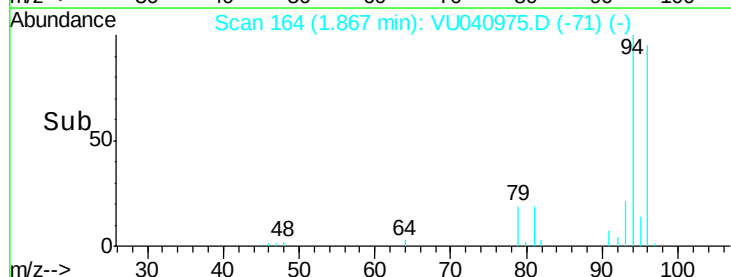
2000

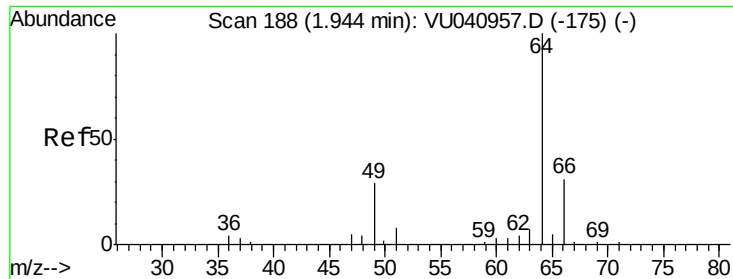
0

Time-->

1.85

1.90

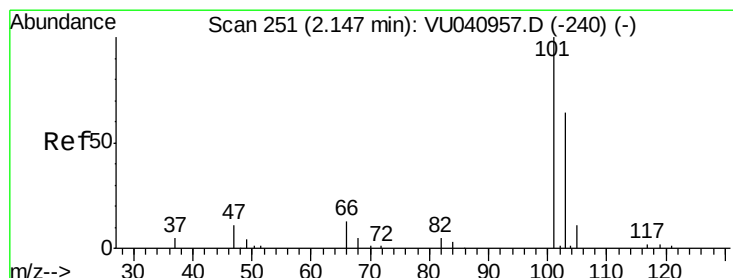
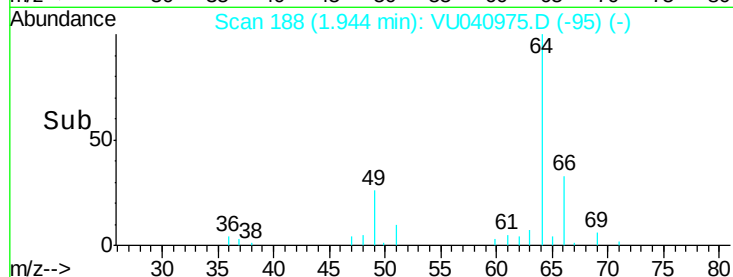
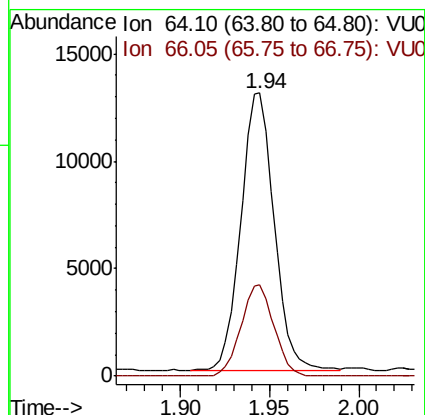
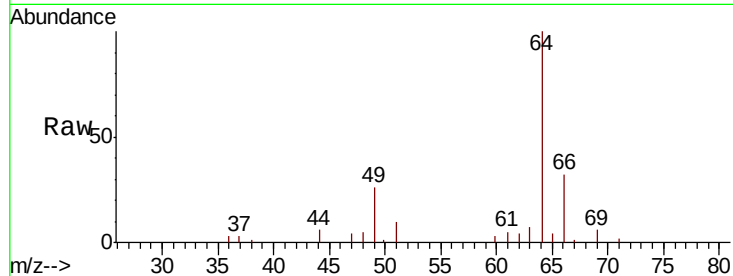




#8
Chloroethane
Concen: 4.167 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

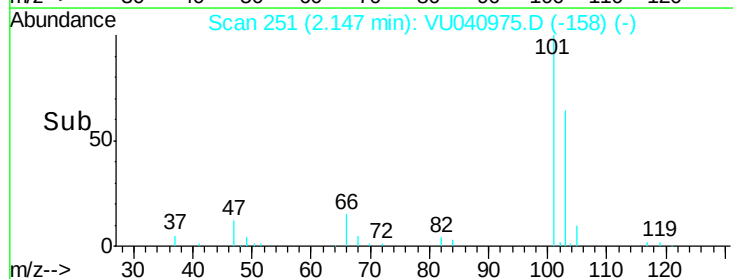
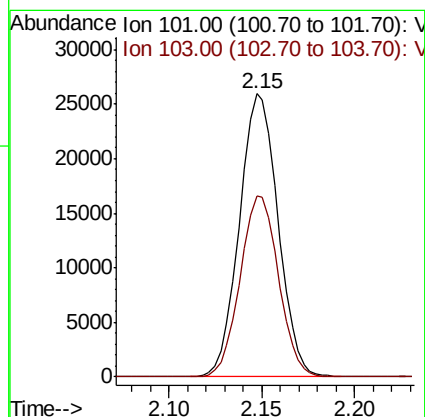
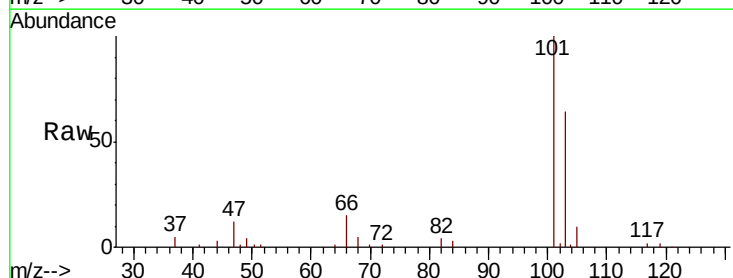
Instrument :
MSVOA_U
ClientSampled :
VSTD00528

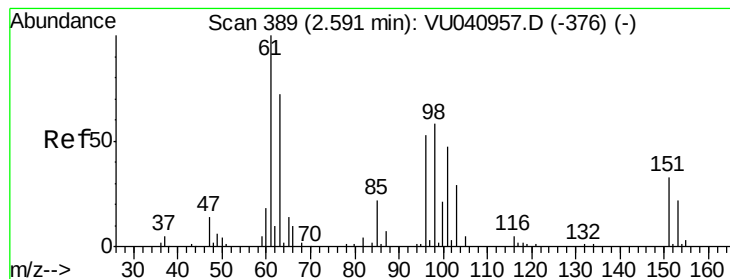
Tot Ion: 64 Resp: 16643
Ion Ratio Lower Upper
64 100
66 32.4 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.380 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

Tgt Ion: 101 Resp: 37530
Ion Ratio Lower Upper
101 100
103 63.5 51.0 76.4





#10

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

Concen: 4.563 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

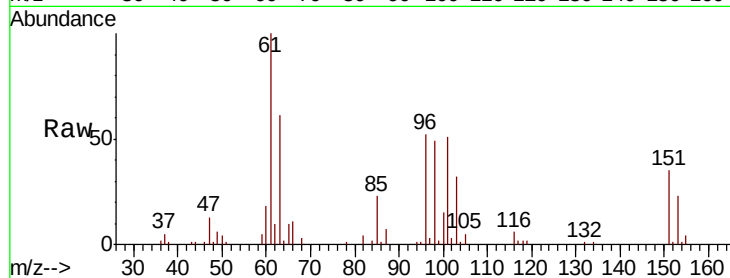
Tot Ion:101 Resp: 22913

Ion Ratio Lower Upper

101 100

85 45.7 35.0 52.4

151 69.1 55.3 82.9

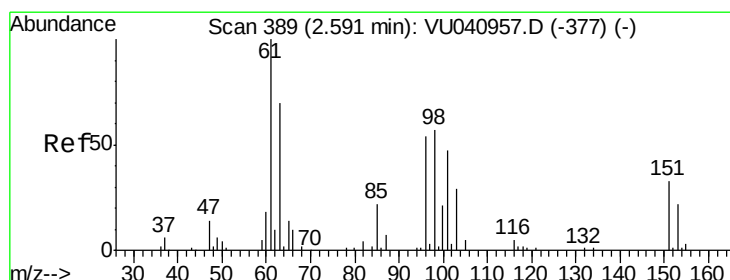
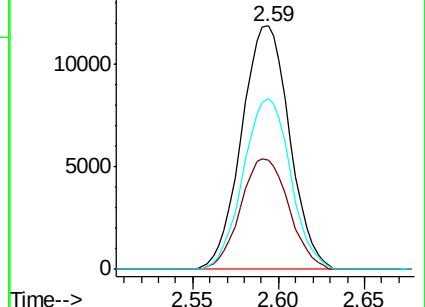
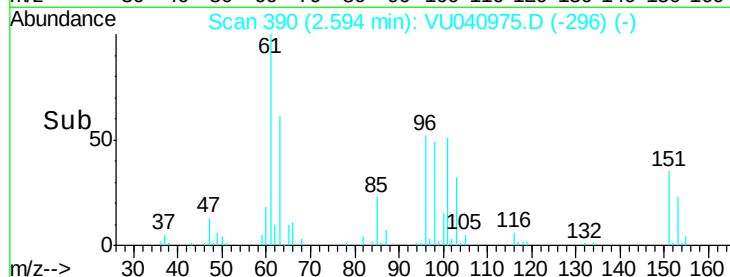


Abundance Ion 101.00 (100.70 to 101.70): VU040975.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VU040975.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VU040975.D (-296) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 4.314 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

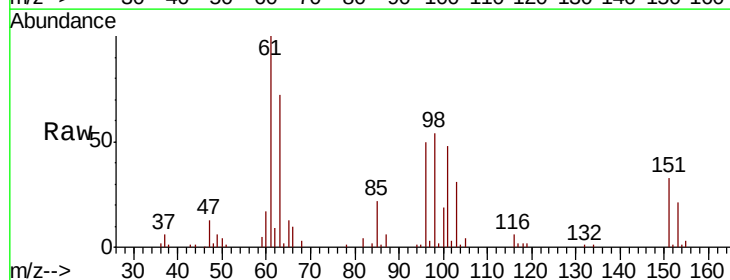
Tgt Ion: 96 Resp: 20453

Ion Ratio Lower Upper

96 100

61 198.3 134.3 249.5

63 142.2 95.0 176.4

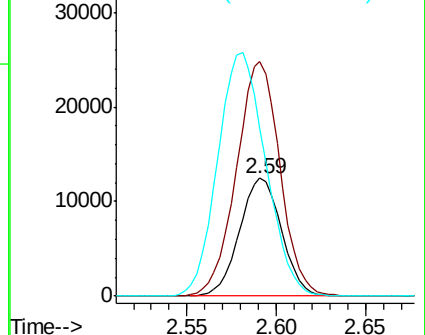
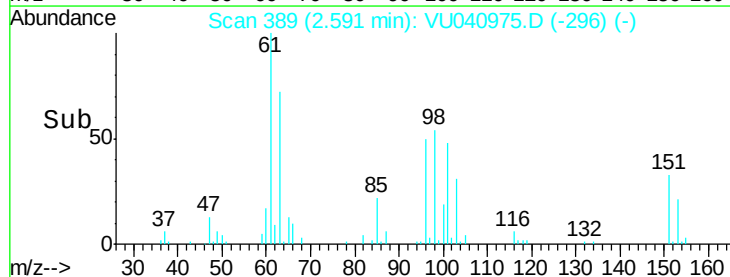


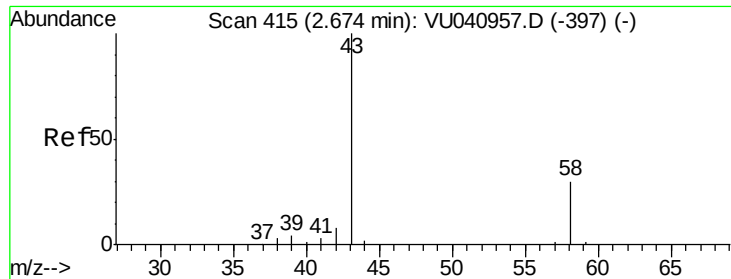
Abundance Ion 96.00 (95.70 to 96.70): VU040975.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU040975.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU040975.D (-296) (-)

Time-->





#13

Acetone

Concen: 44.268 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

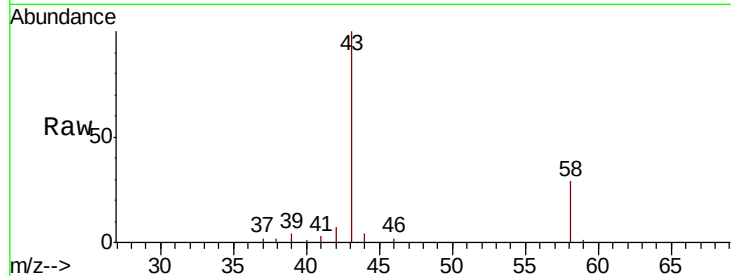
VSTD00528

Tot Ion: 43 Resp: 56202

Ion Ratio Lower Upper

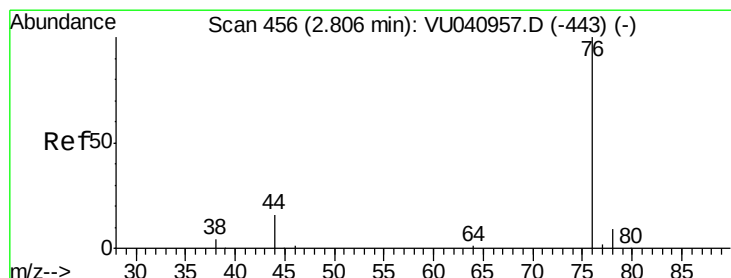
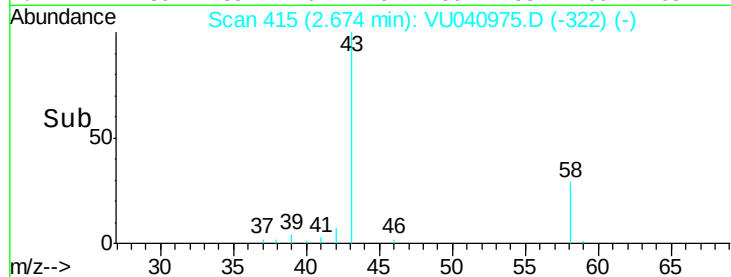
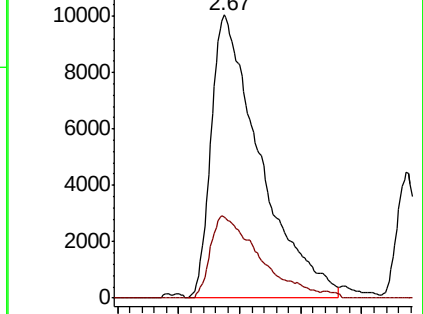
43 100

58 28.9 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU040975.D (-322) (-)

Ion 58.05 (57.75 to 58.75): VU040975.D (-322) (-)



#14

Carbon disulfide

Concen: 4.260 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040975.D

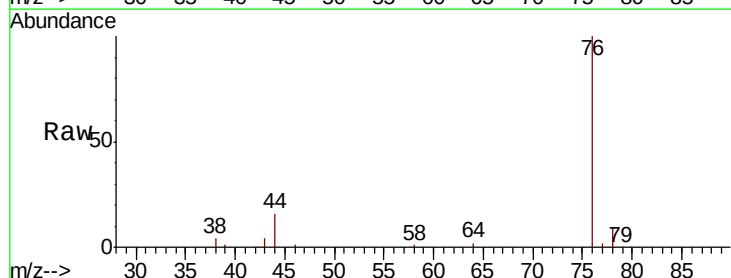
Acq: 27 Oct 2020 11:22

Tgt Ion: 76 Resp: 67503

Ion Ratio Lower Upper

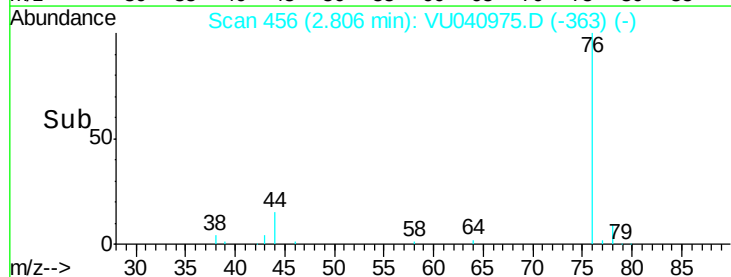
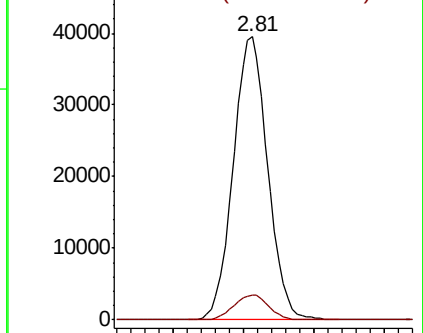
76 100

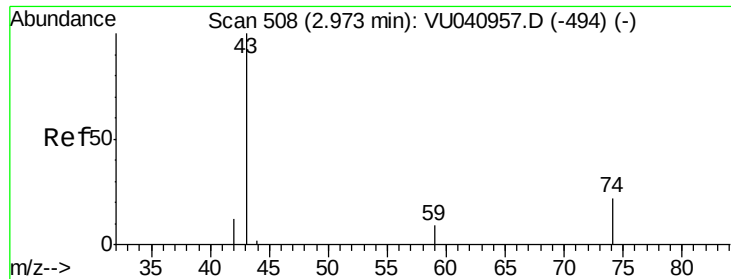
78 8.9 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU040975.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040975.D (-363) (-)

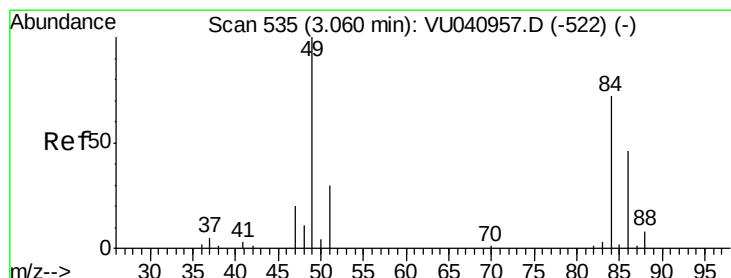
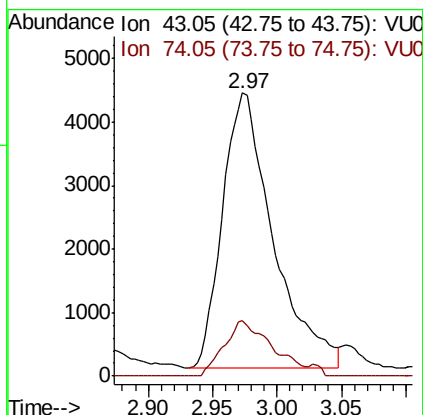
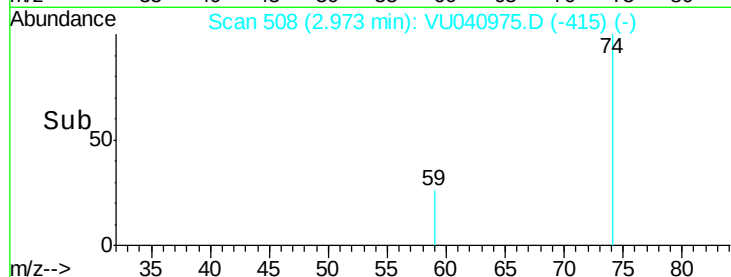
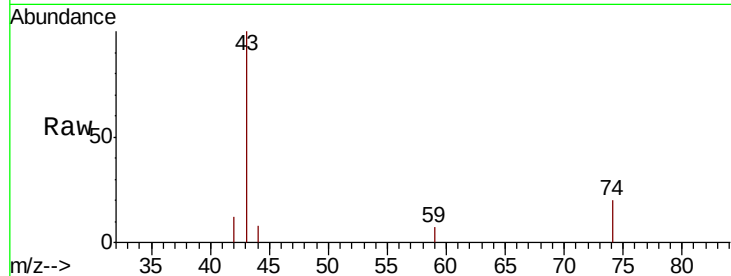




#15
Methyl Acetate
Concen: 4.062 ug/L
RT: 2.97 min Scan# 508
Delta R.T. -0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

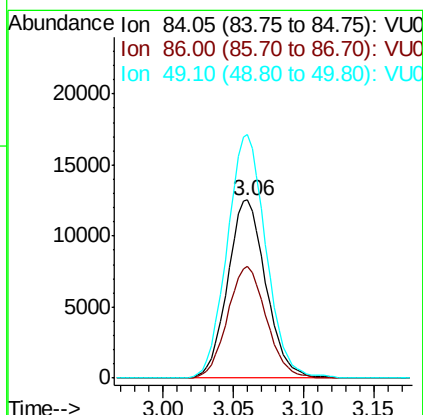
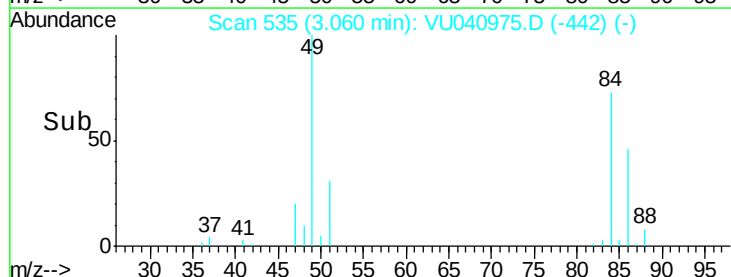
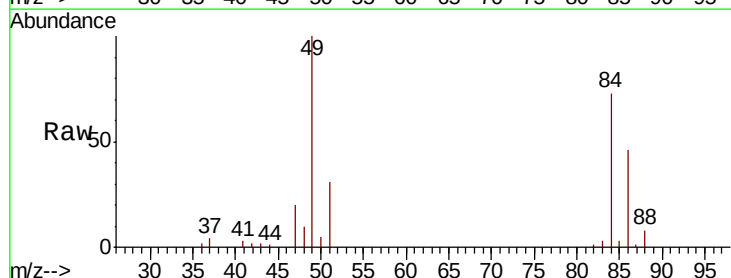
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

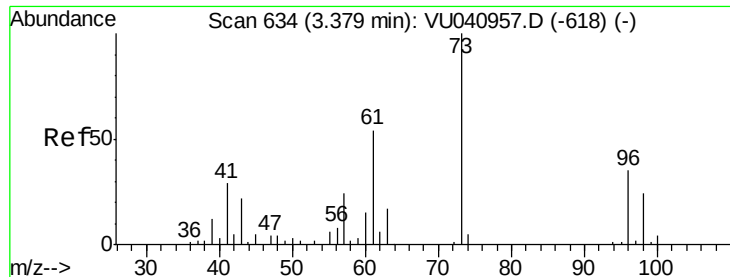
Tot Ion: 43 Resp: 11801
Ion Ratio Lower Upper
43 100
74 19.0 18.3 27.5



#16
Methylene chloride
Concen: 4.310 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

Tgt Ion: 84 Resp: 23811
Ion Ratio Lower Upper
84 100
86 62.7 42.8 79.6
49 136.9 99.5 184.7

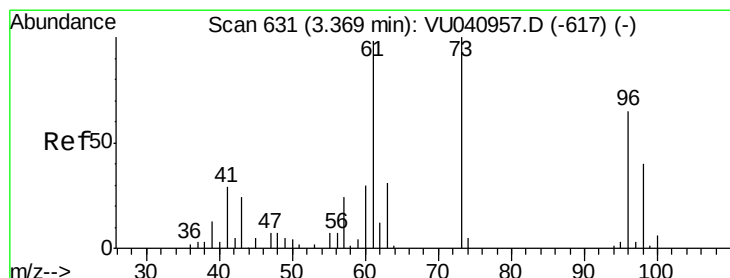
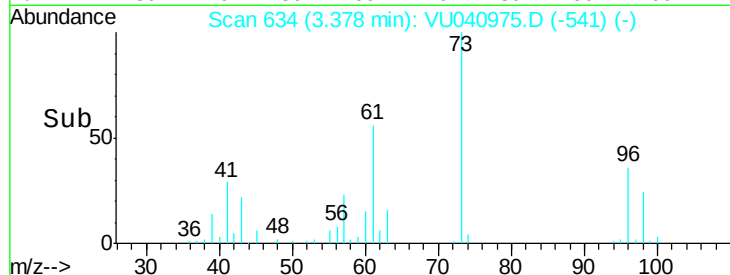
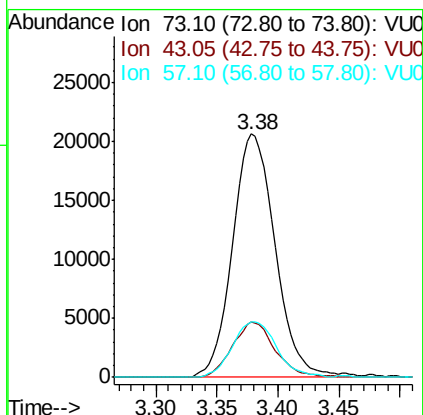
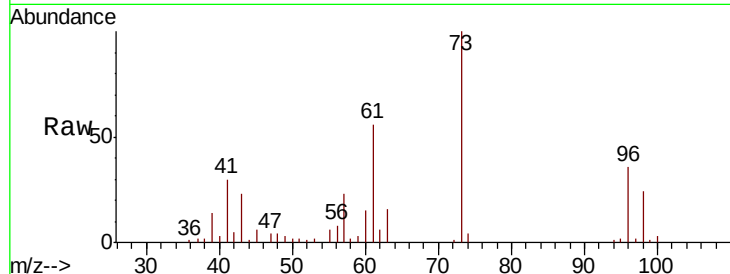




#17
Methyl tert-butyl Ether
Concen: 4.084 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

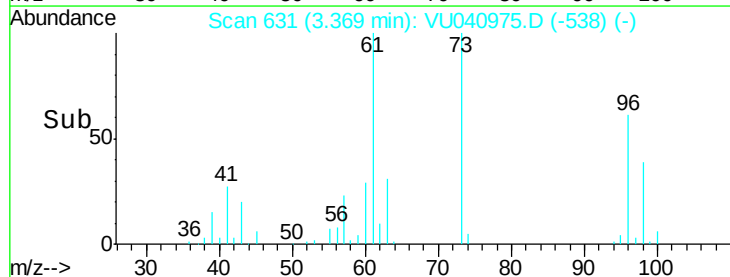
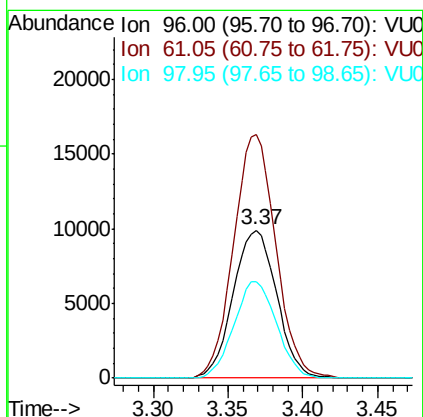
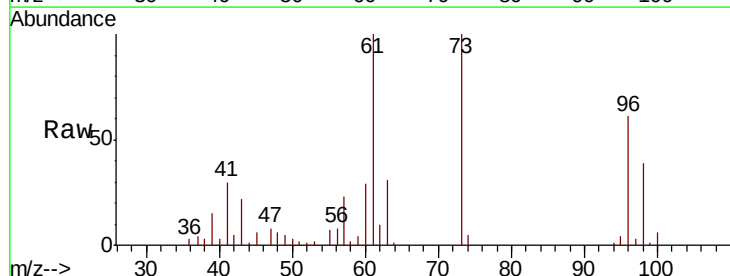
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

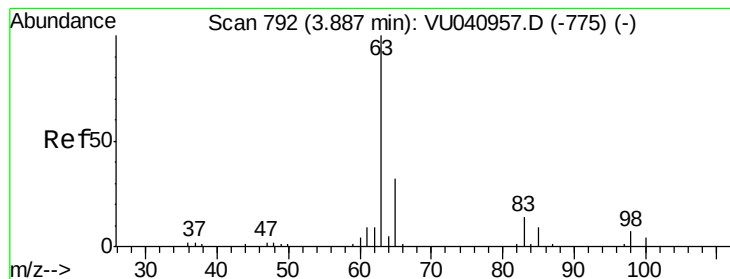
Tot Ion: 73 Resp: 49840
Ion Ratio Lower Upper
73 100
43 22.8 18.5 27.7
57 23.9 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.160 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

Tgt Ion: 96 Resp: 20047
Ion Ratio Lower Upper
96 100
61 164.5 110.9 205.9
98 64.9 45.4 84.2





#19

1,1-Dichloroethane

Concen: 4.316 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

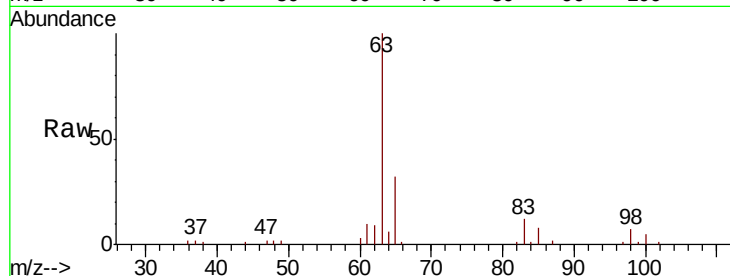
Tot Ion: 63 Resp: 41572

Ion Ratio Lower Upper

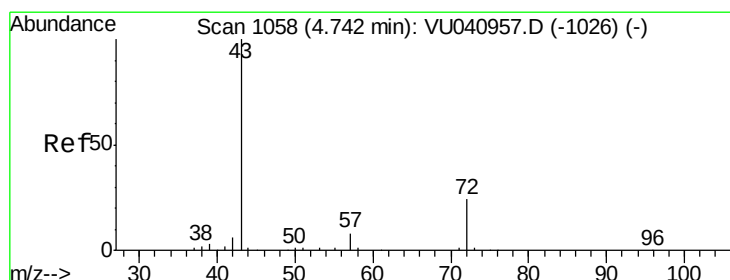
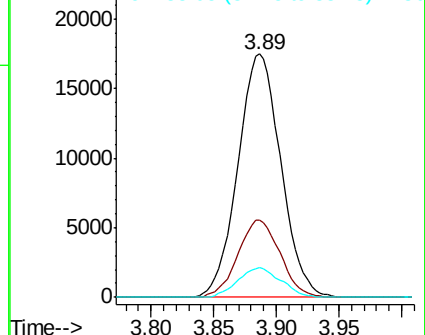
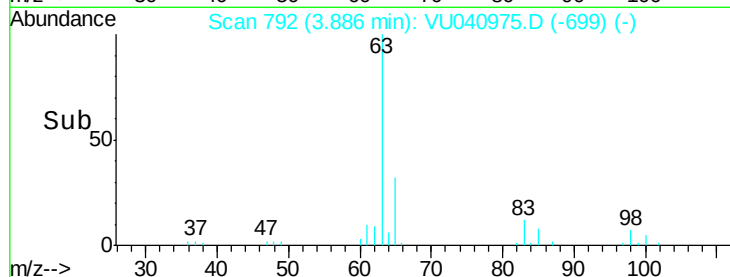
63 100

65 31.9 21.3 39.6

83 12.1 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU040975.D (-699) (-)



#21

2-Butanone

Concen: 44.243 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VU040975.D

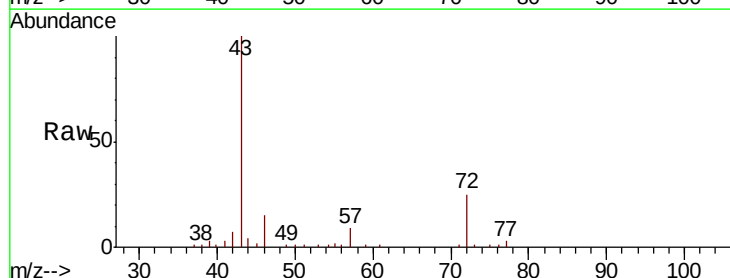
Acq: 27 Oct 2020 11:22

Tgt Ion: 43 Resp: 87790

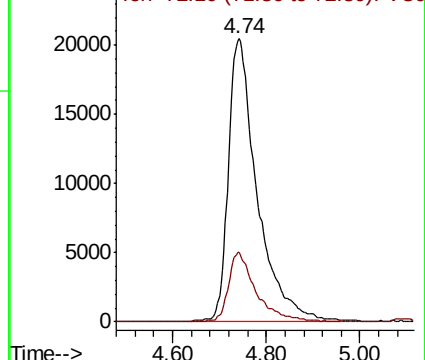
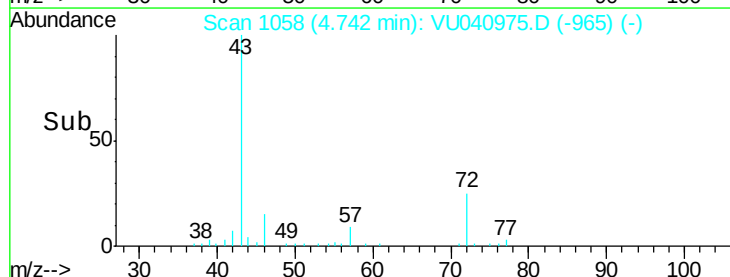
Ion Ratio Lower Upper

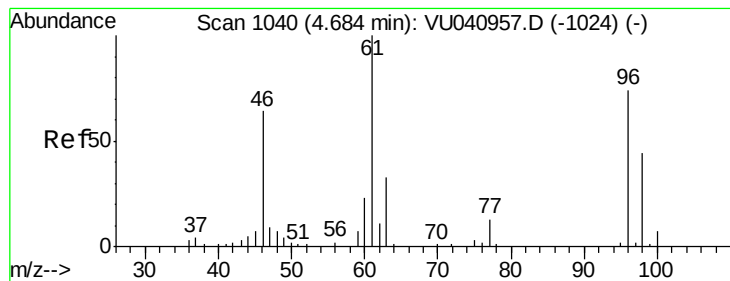
43 100

72 21.4 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU040975.D (-965) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.289 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampled :

VSTD00528

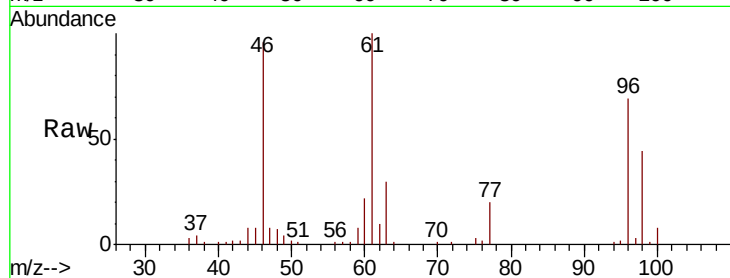
Tot Ion: 96 Resp: 21316

Ion Ratio Lower Upper

96 100

61 145.1 97.2 180.4

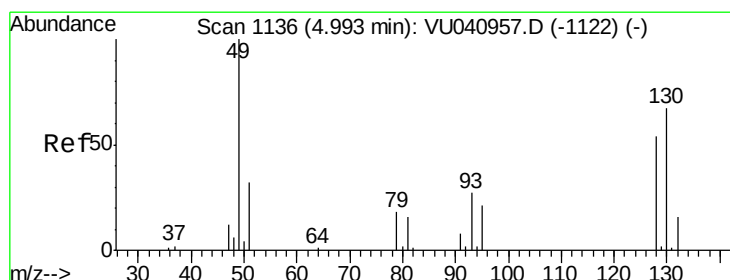
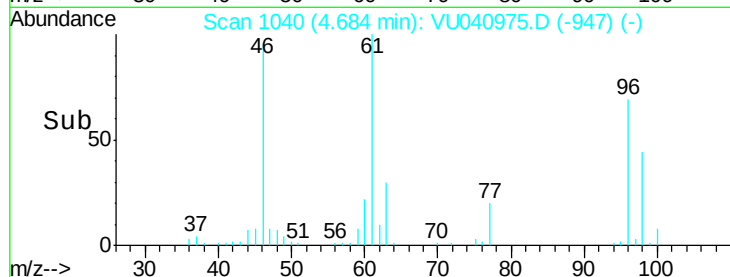
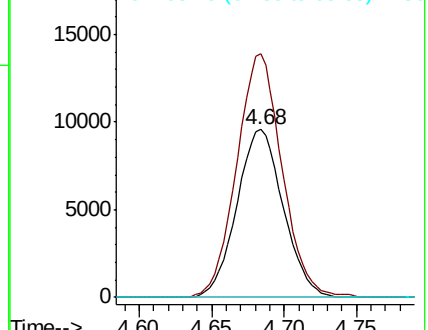
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040975.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU040975.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU040975.D (-1024) (-)



#23

Bromochloromethane

Concen: 4.565 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

Tgt Ion: 128 Resp: 10703

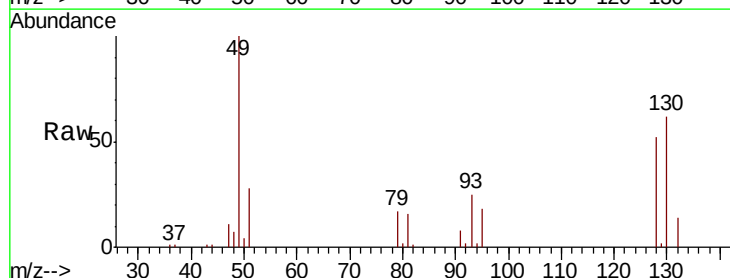
Ion Ratio Lower Upper

128 100

49 193.2 135.0 250.8

130 118.9 89.9 167.0

51 54.6 51.9 77.9

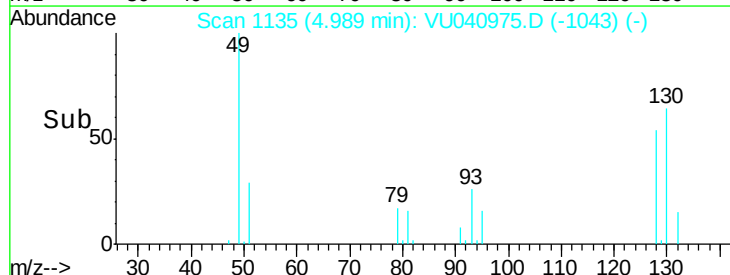
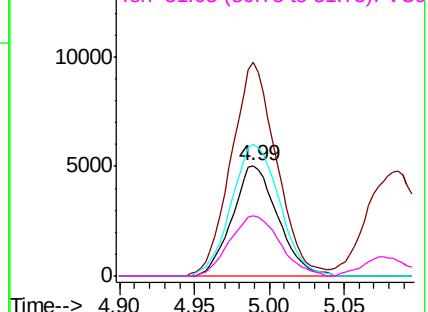


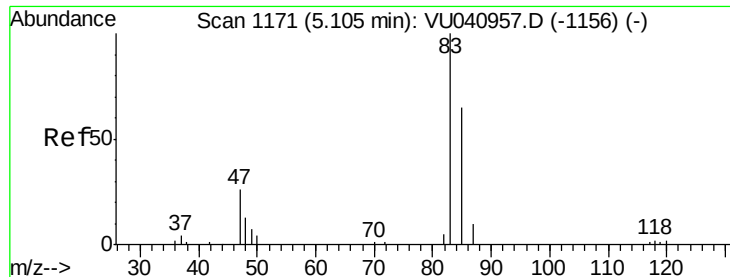
Abundance Ion 127.90 (127.60 to 128.60): VU040975.D (-1122) (-)

Ion 49.10 (48.80 to 49.80): VU040975.D (-1122) (-)

Ion 129.95 (129.65 to 130.65): VU040975.D (-1122) (-)

Ion 51.05 (50.75 to 51.75): VU040975.D (-1122) (-)

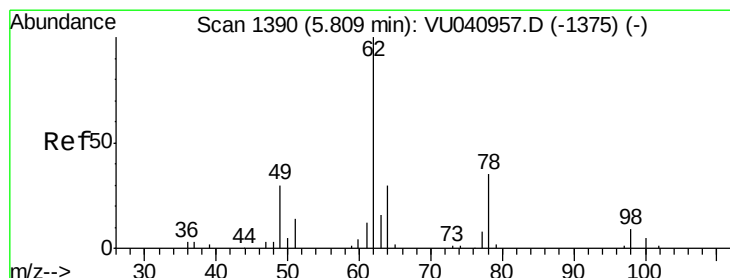
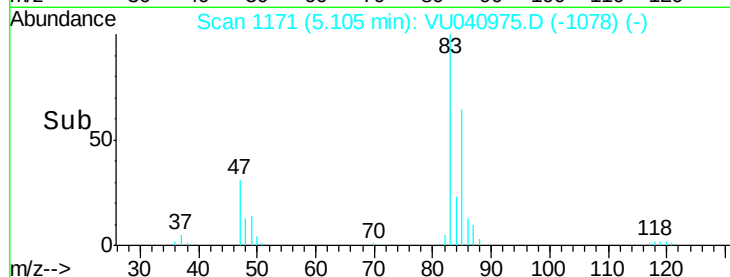
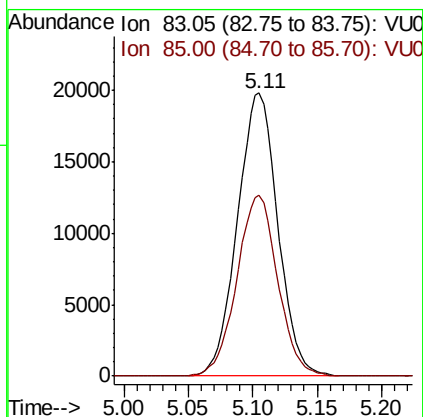
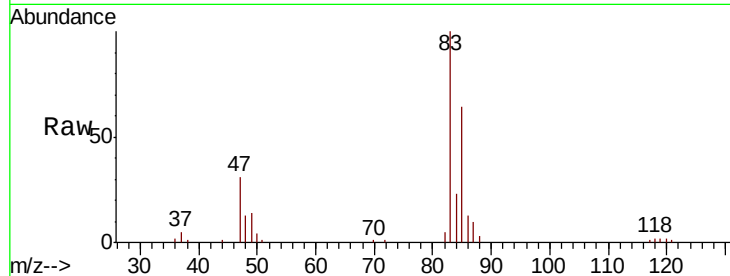




#25
Chloroform
Concen: 4.470 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

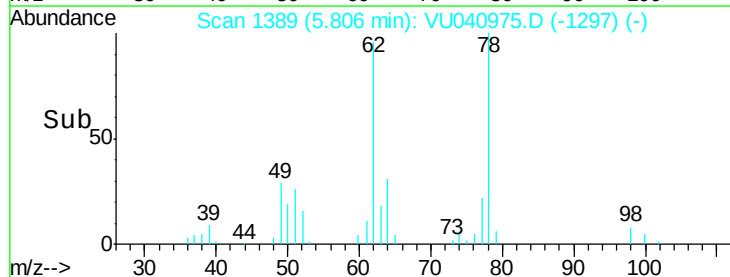
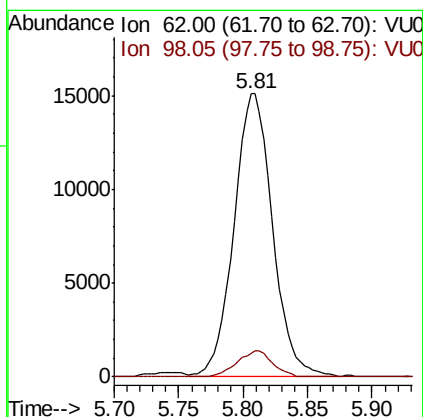
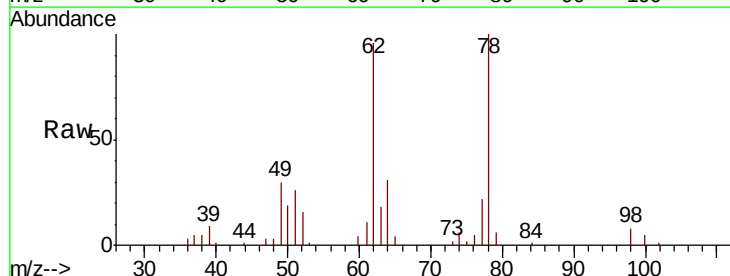
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

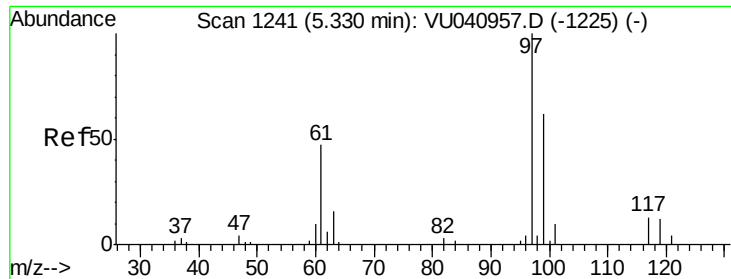
Tot Ion: 83 Resp: 43186
Ion Ratio Lower Upper
83 100
85 63.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.381 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

Tgt Ion: 62 Resp: 31519
Ion Ratio Lower Upper
62 100
98 8.3 7.6 11.4

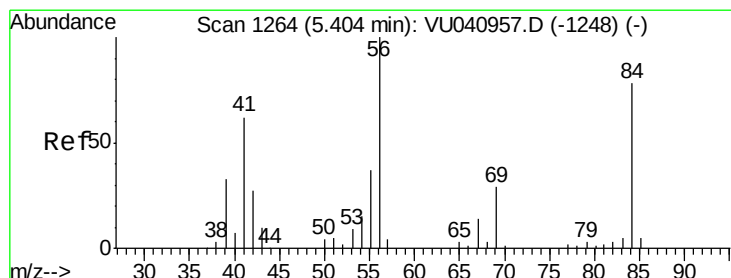
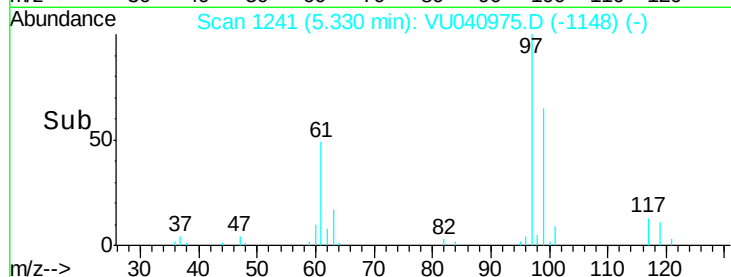
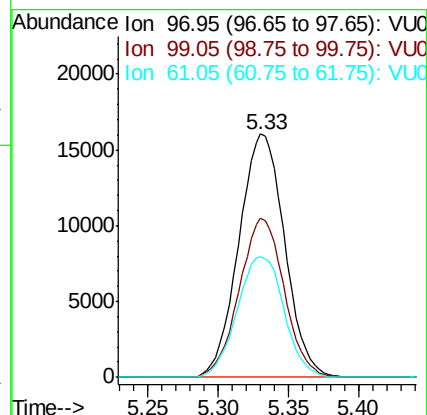
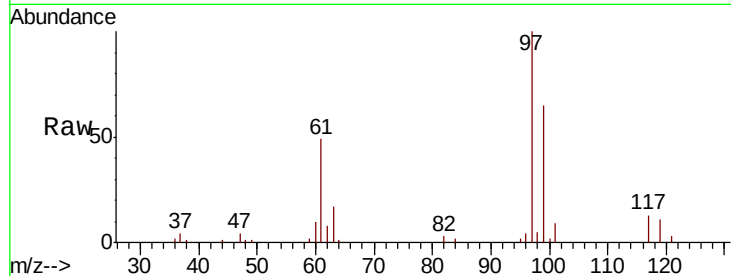




#29
1,1,1-Trichloroethane
Concen: 4.361 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

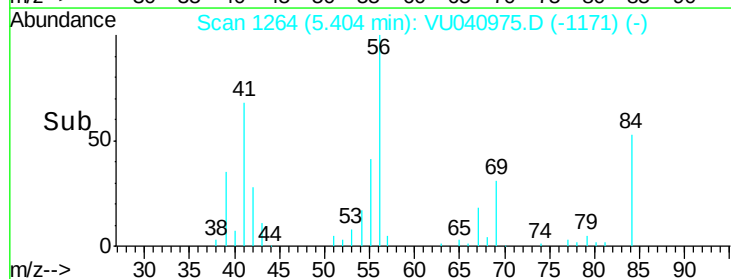
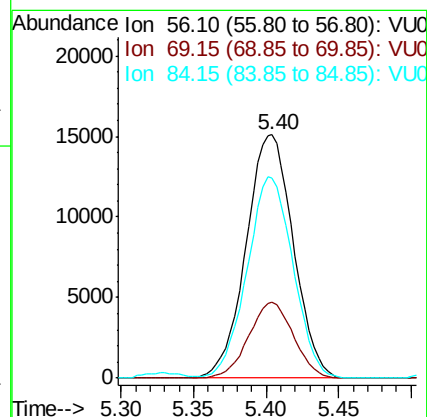
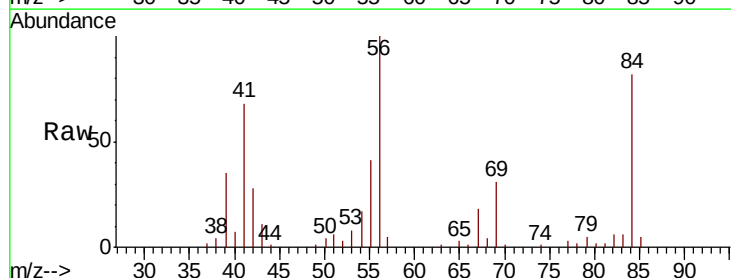
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

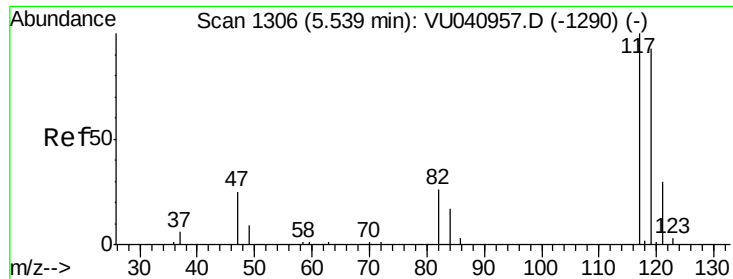
Tot Ion: 97 Resp: 36424
Ion Ratio Lower Upper
97 100
99 64.3 53.4 80.0
61 50.8 41.6 62.4



#30
Cyclohexane
Concen: 4.152 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

Tgt Ion: 56 Resp: 34172
Ion Ratio Lower Upper
56 100
69 29.7 22.8 34.2
84 80.7 63.6 95.4

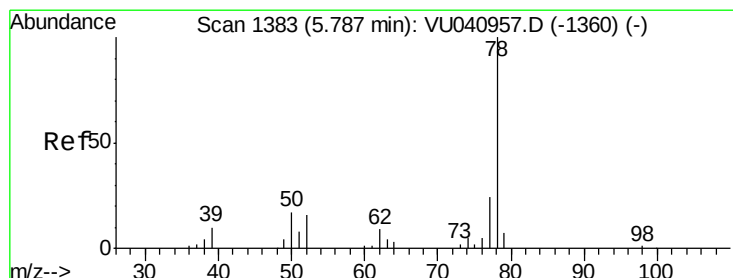
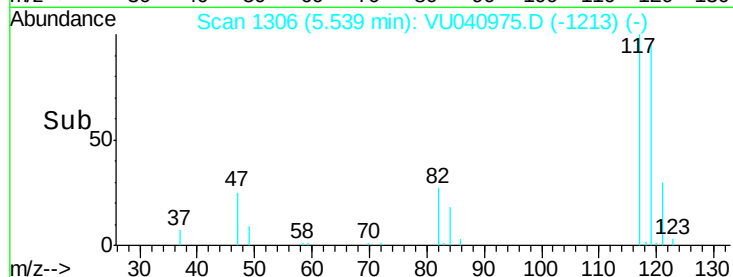
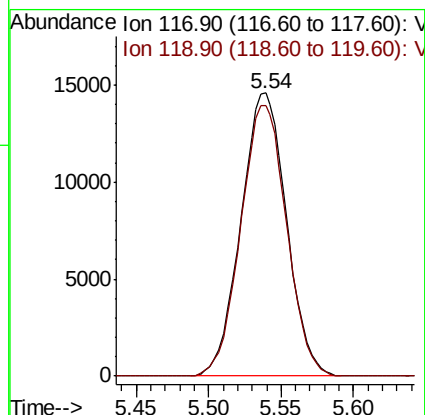
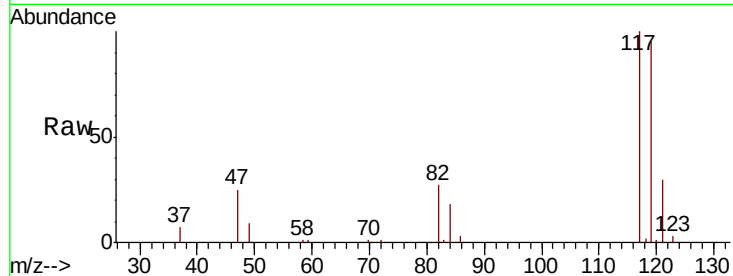




#31
Carbon tetrachloride
Concen: 4.297 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

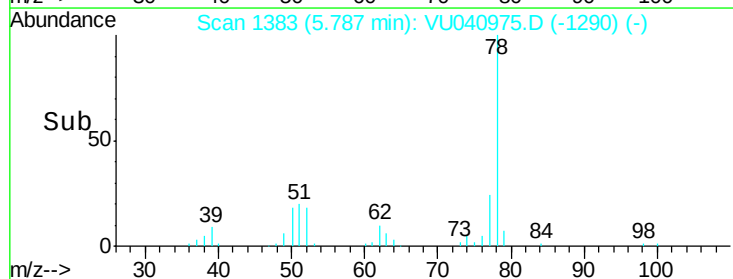
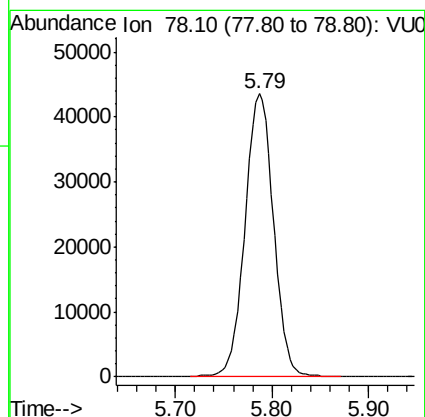
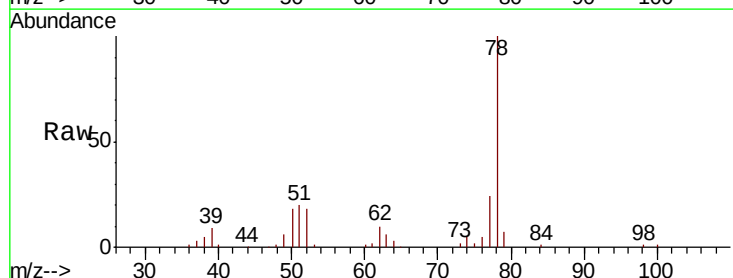
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

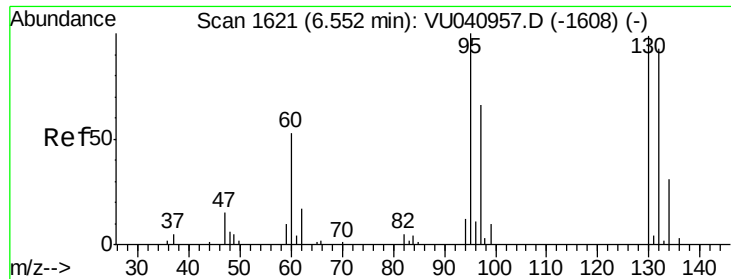
Tot Ion:117 Resp: 31781
Ion Ratio Lower Upper
117 100
119 96.3 76.1 114.1



#33
Benzene
Concen: 4.383 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

Tgt Ion: 78 Resp: 89433

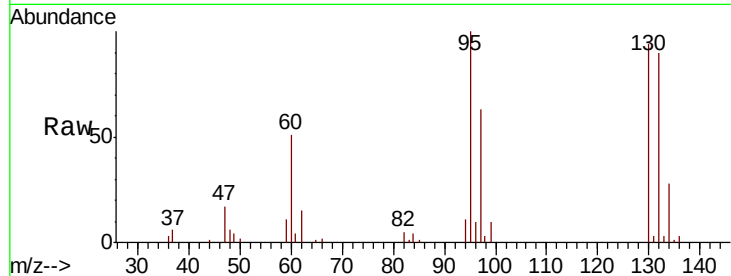




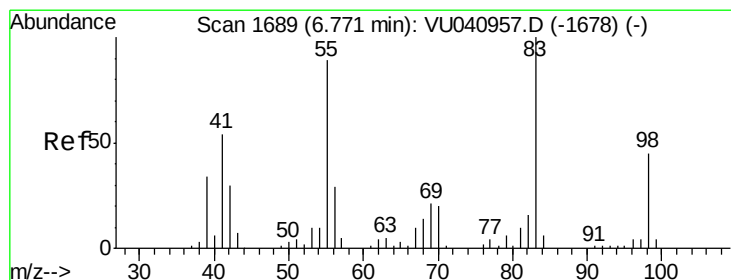
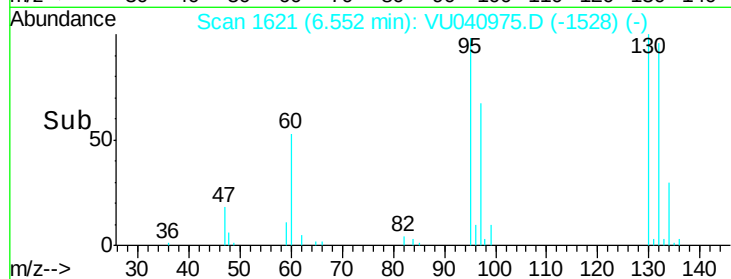
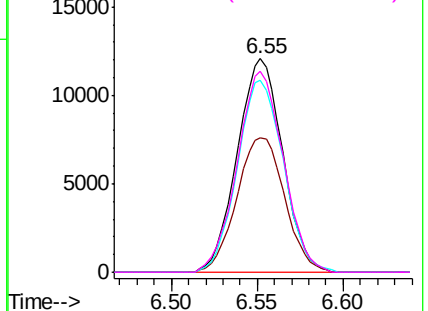
#34
 Trichloroethene
 Concen: 4.273 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040975.D
 Acq: 27 Oct 2020 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion:	95	Resp:	22189
Ion	Ratio	Lower	Upper
95	100		
97	63.2	45.6	84.6
132	90.0	64.8	120.4
130	94.2	64.8	120.4

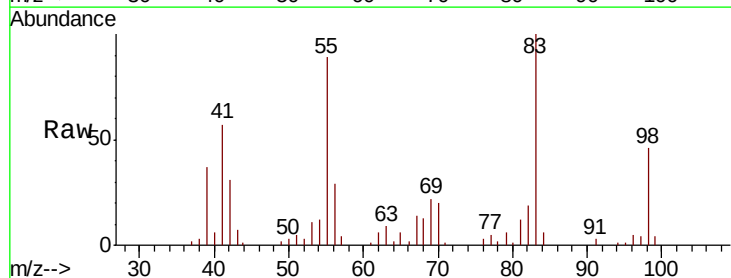


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

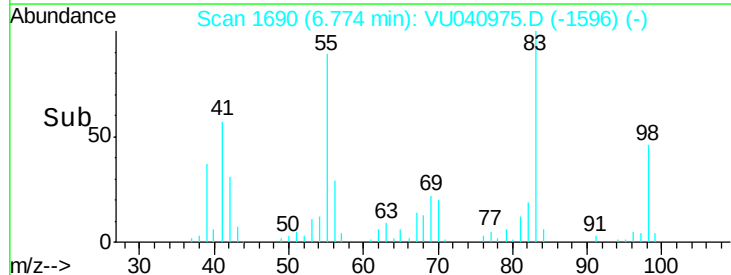
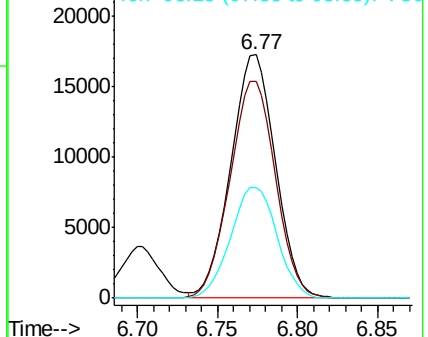


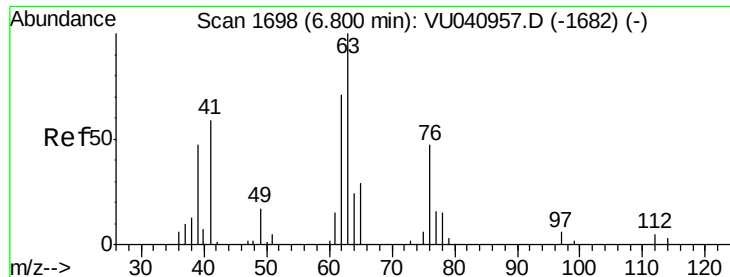
#35
 Methylcyclohexane
 Concen: 4.256 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040975.D
 Acq: 27 Oct 2020 11:22

Tgt Ion:	83	Resp:	32967
Ion	Ratio	Lower	Upper
83	100		
55	90.7	72.0	108.0
98	47.2	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

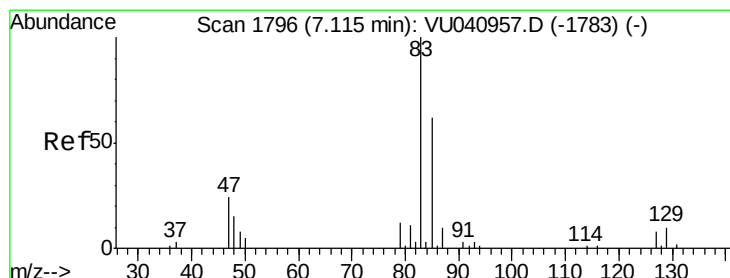
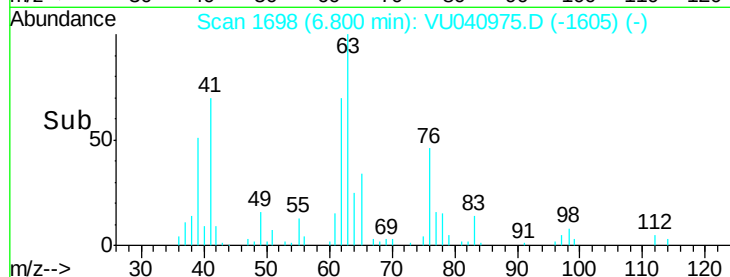
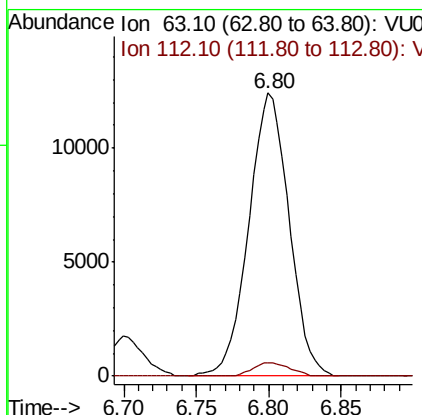
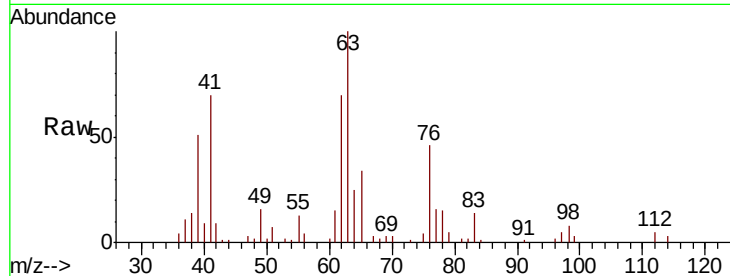




#37
 1,2-Dichloropropane
 Concen: 4.357 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040975.D
 Acq: 27 Oct 2020 11:22

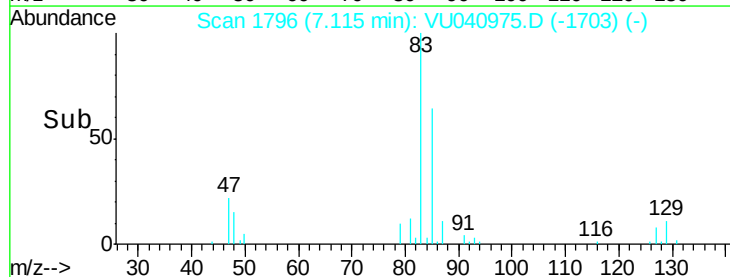
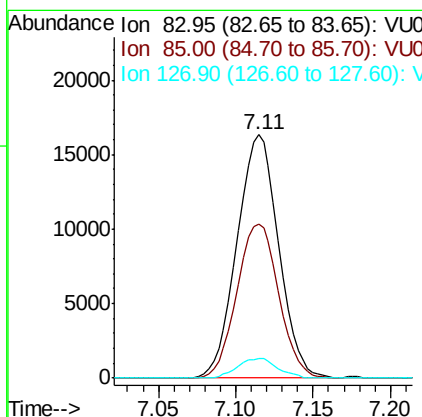
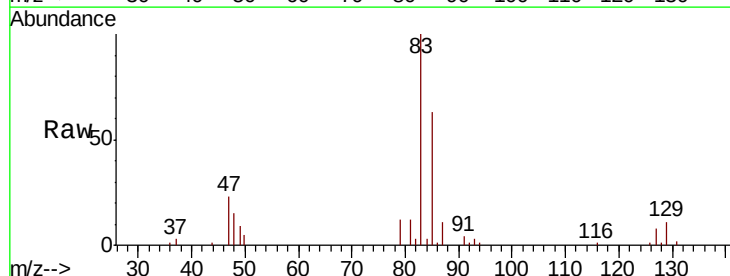
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

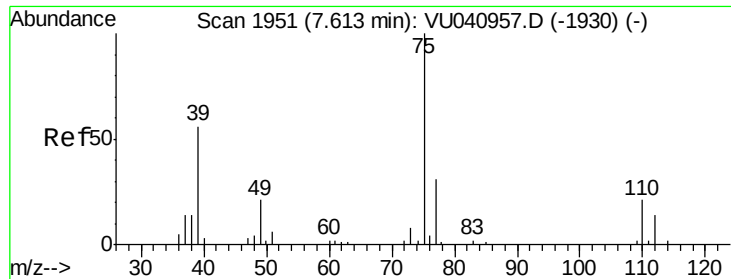
Tot Ion: 63 Resp: 24058
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.269 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040975.D
 Acq: 27 Oct 2020 11:22

Tgt Ion: 83 Resp: 30579
 Ion Ratio Lower Upper
 83 100
 85 63.4 43.3 80.3
 127 8.1 5.9 8.9

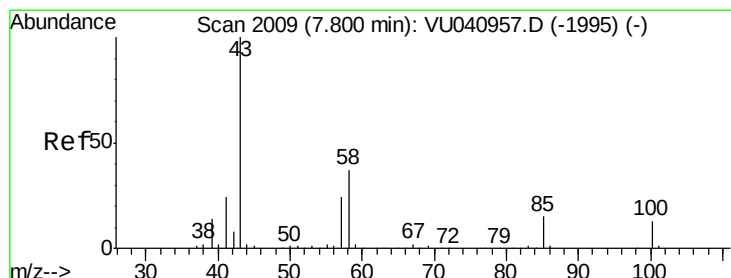
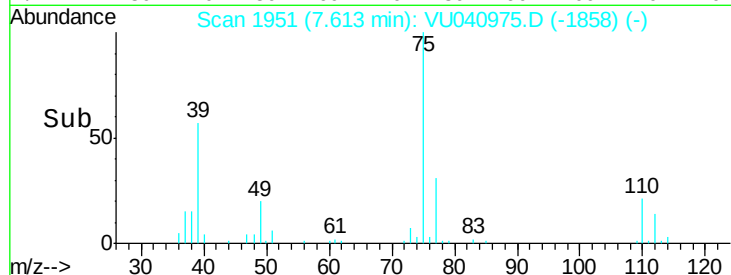
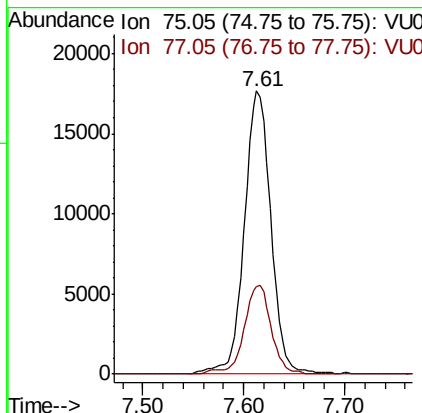
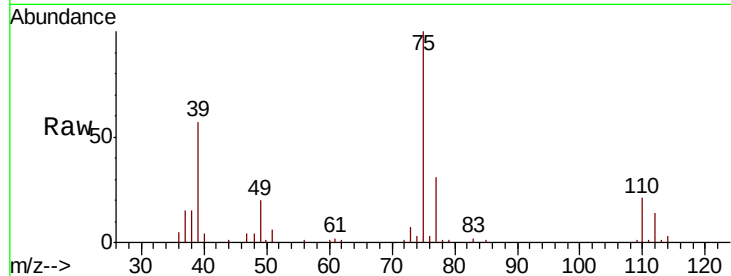




#39
 cis-1,3-Dichloropropene
 Concen: 4.220 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040975.D
 Acq: 27 Oct 2020 11:22

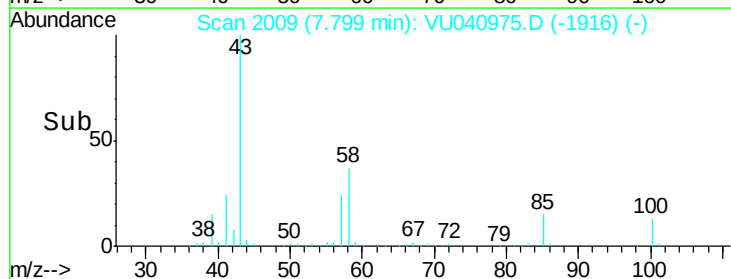
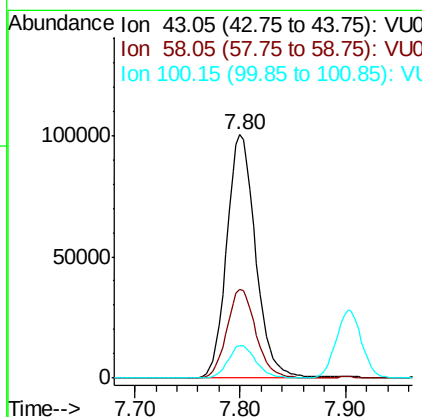
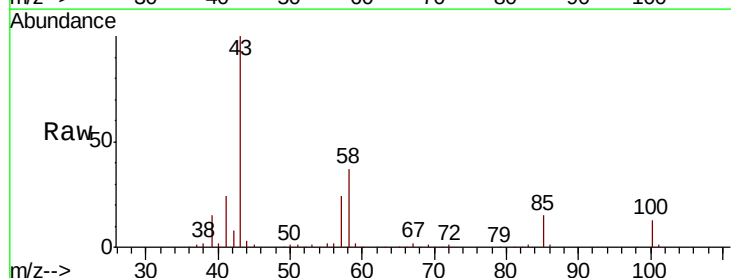
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

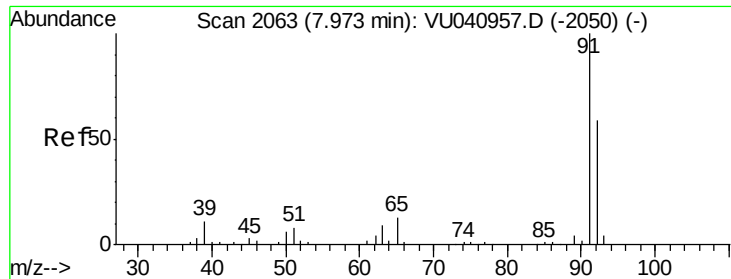
Tot Ion: 75 Resp: 32080
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 43.170 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040975.D
 Acq: 27 Oct 2020 11:22

Tgt Ion: 43 Resp: 190059
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.8 44.6
 100 13.0 10.5 15.7





#42

Toluene

Concen: 4.499 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

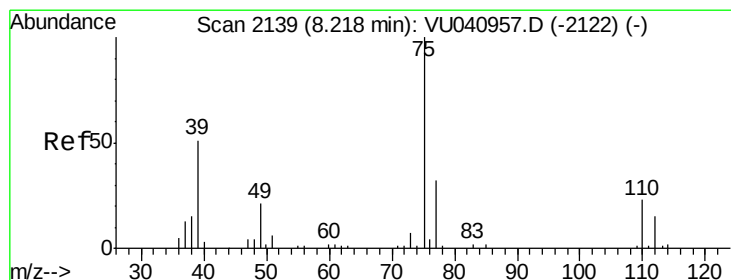
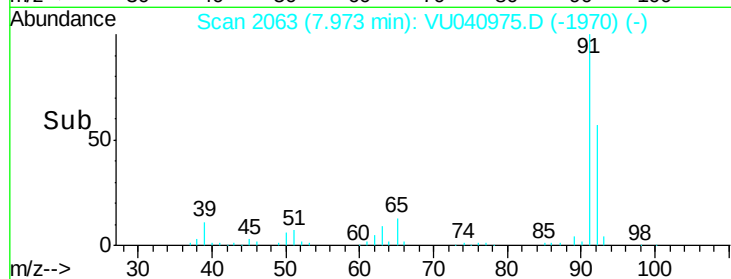
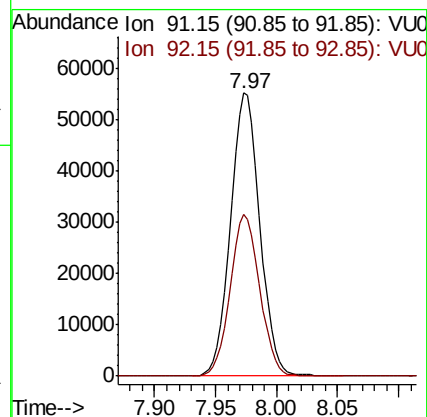
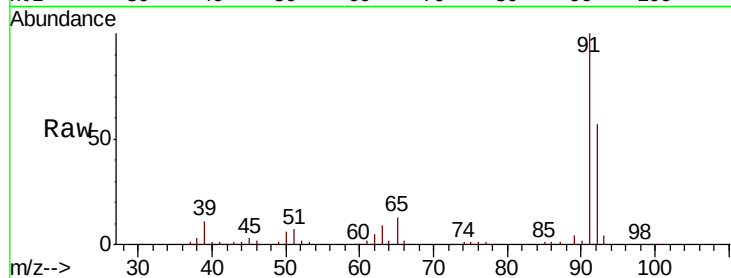
VSTD00528

Tot Ion: 91 Resp: 93092

Ion Ratio Lower Upper

91 100

92 57.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 4.369 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040975.D

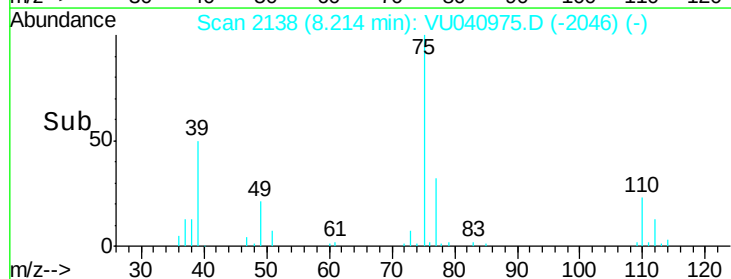
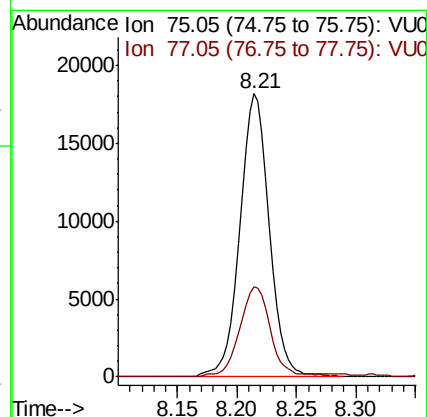
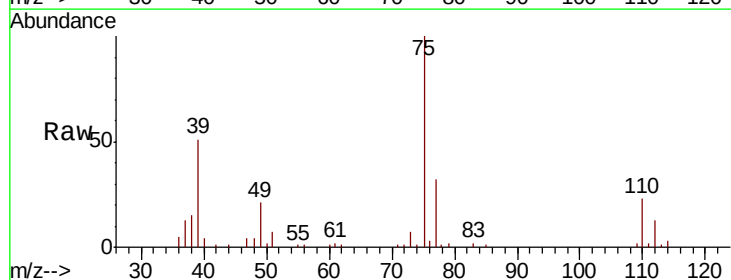
Acq: 27 Oct 2020 11:22

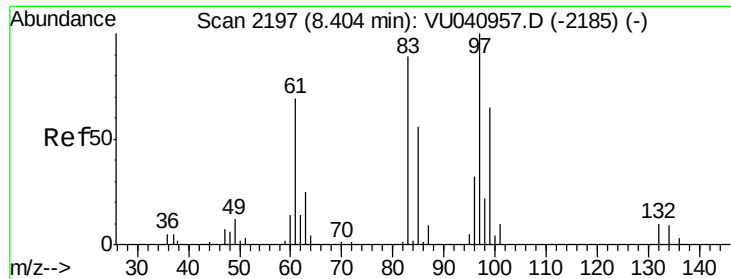
Tgt Ion: 75 Resp: 31084

Ion Ratio Lower Upper

75 100

77 31.7 23.3 43.3

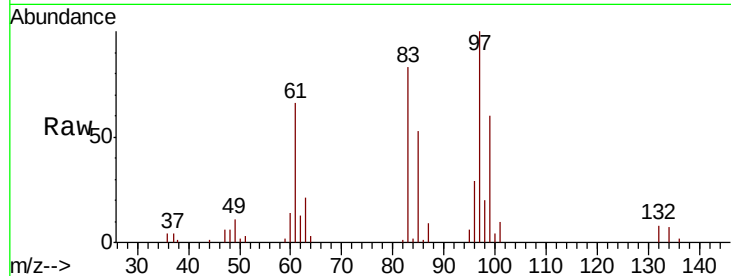




#45
 1,1,2-Trichloroethane
 Concen: 4.420 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040975.D
 Acq: 27 Oct 2020 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion:	97	Resp:	18169
Ion	Ratio	Lower	Upper
97	100		
99	60.0	45.8	85.2
83	83.4	67.9	126.1
85	53.3	42.8	79.6

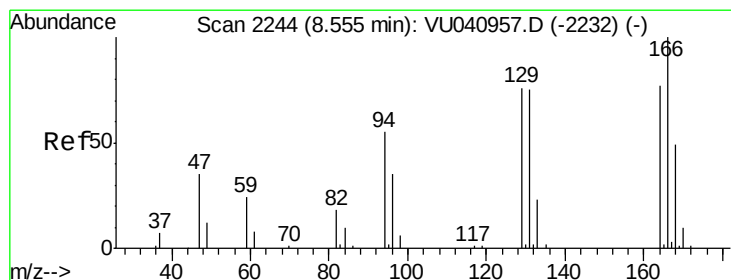
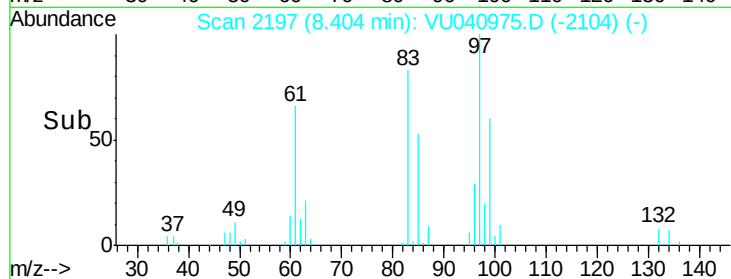
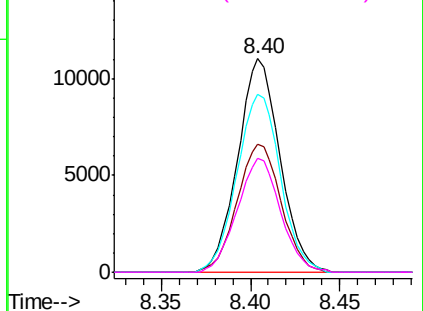


Abundance Ion 96.95 (96.65 to 97.65): VU040975.D (-2197) (-)

Ion 99.05 (98.75 to 99.75): VU040975.D (-2197) (-)

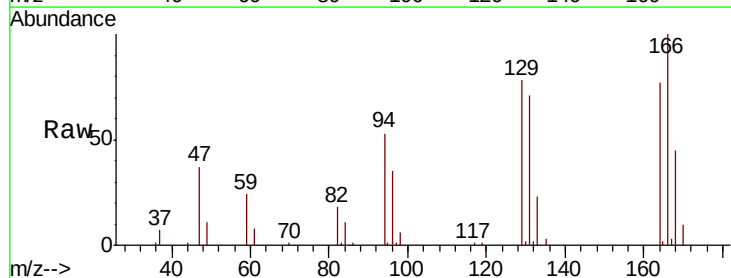
Ion 82.95 (82.65 to 83.65): VU040975.D (-2197) (-)

Ion 85.00 (84.70 to 85.70): VU040975.D (-2197) (-)



#47
 Tetrachloroethene
 Concen: 4.579 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040975.D
 Acq: 27 Oct 2020 11:22

Tgt Ion:	164	Resp:	17486
Ion	Ratio	Lower	Upper
164	100		
129	101.6	70.3	130.7
131	92.3	70.8	131.4
166	130.4	92.0	170.8

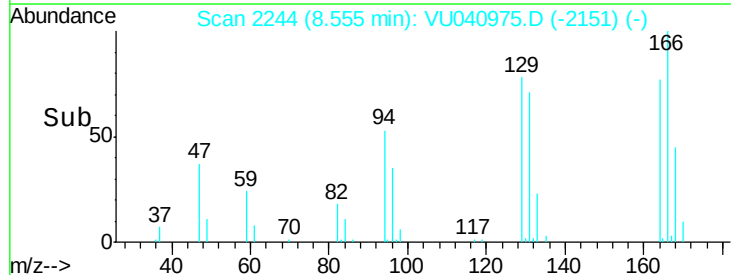
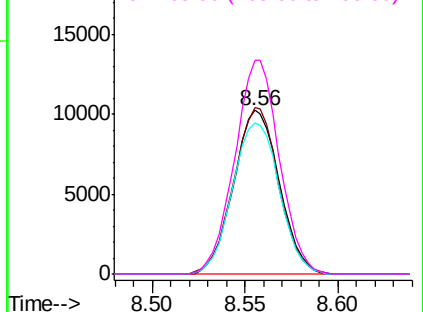


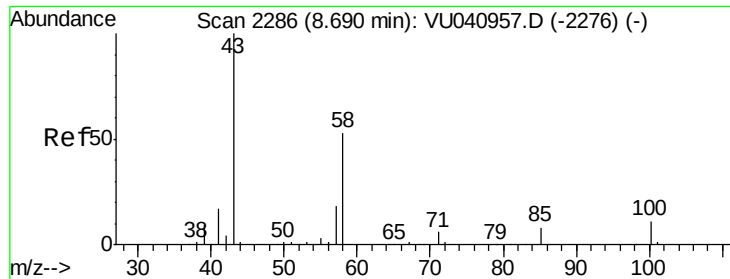
Abundance Ion 163.90 (163.60 to 164.60): VU040975.D (-2244) (-)

Ion 128.95 (128.65 to 129.65): VU040975.D (-2244) (-)

Ion 130.95 (130.65 to 131.65): VU040975.D (-2244) (-)

Ion 165.90 (165.60 to 166.60): VU040975.D (-2244) (-)

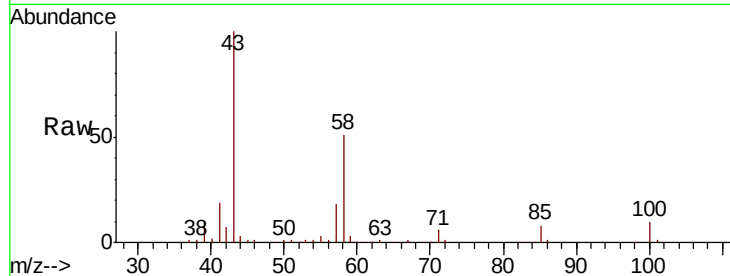




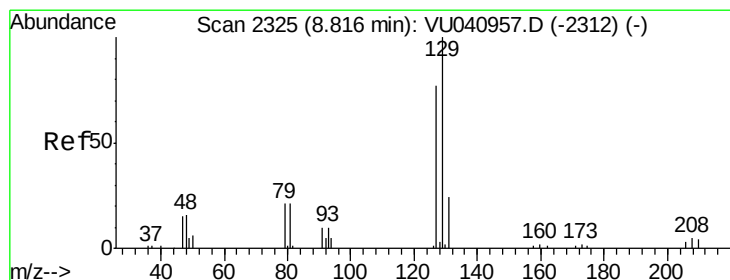
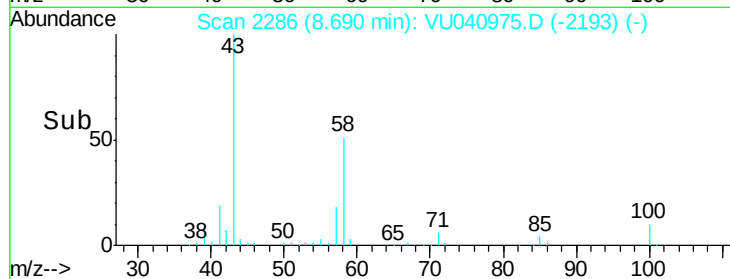
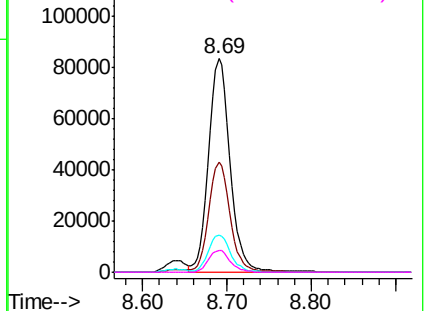
#48
2-Hexanone
Concen: 44.826 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion: 43 Resp: 148598
Ion Ratio Lower Upper
43 100
58 50.8 41.4 62.2
57 17.9 14.6 21.8
100 10.4 8.3 12.5

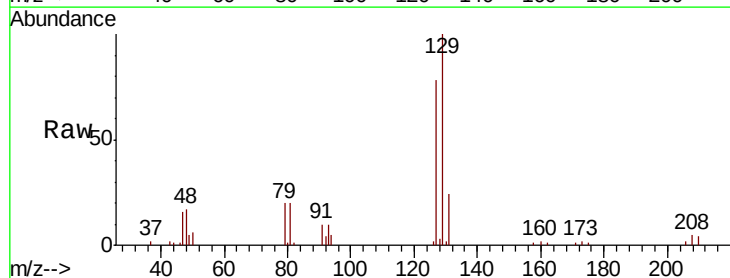


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

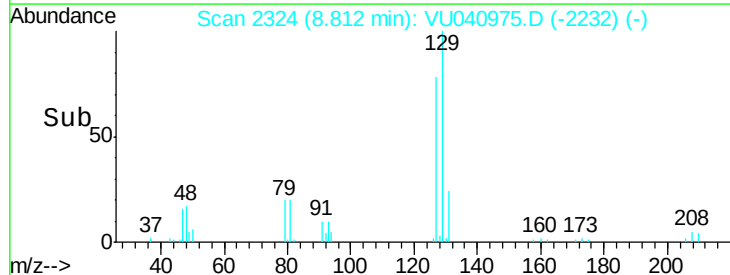
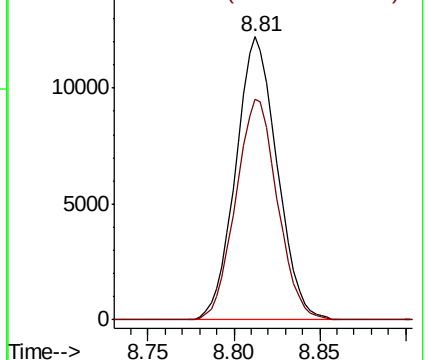


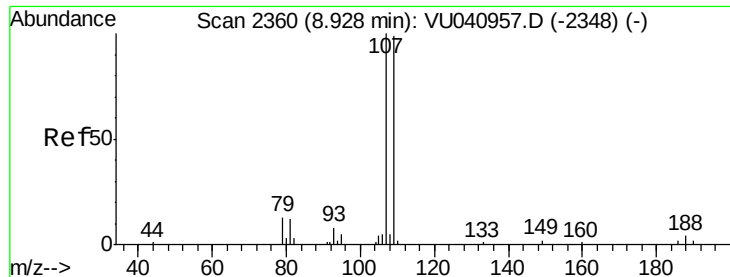
#49
Dibromochloromethane
Concen: 4.270 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

Tgt Ion: 129 Resp: 20383
Ion Ratio Lower Upper
129 100
127 78.1 53.4 99.2



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

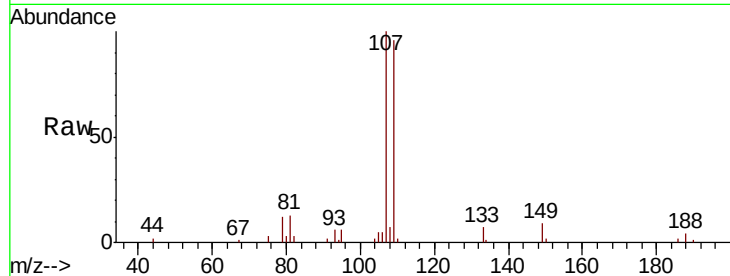




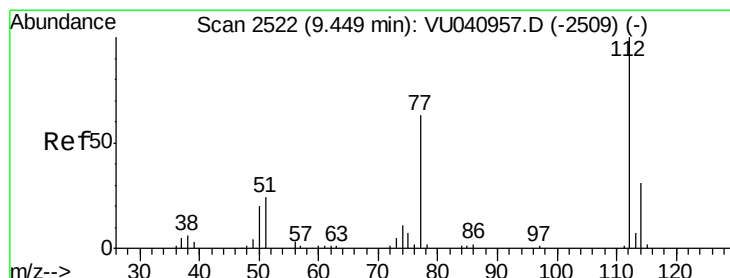
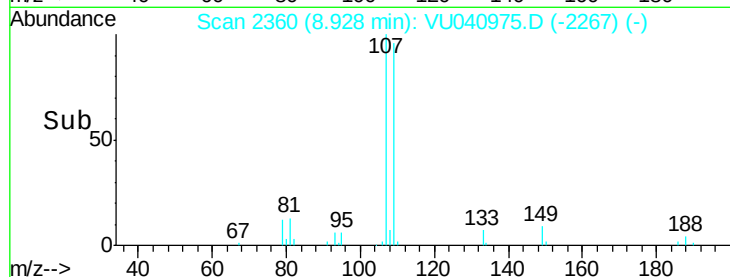
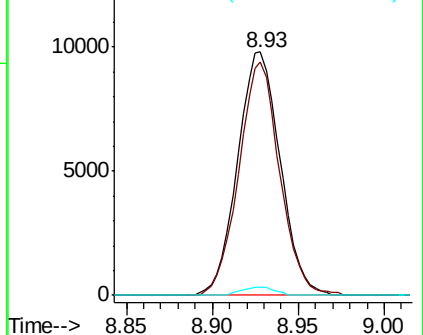
#50
 1,2-Dibromoethane
 Concen: 4.300 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040975.D
 Acq: 27 Oct 2020 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion:107 Resp: 16842
 Ion Ratio Lower Upper
 107 100
 109 95.8 65.6 121.8
 188 3.5 2.9 4.3

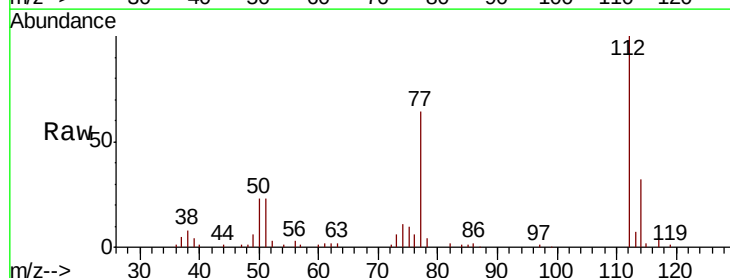


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

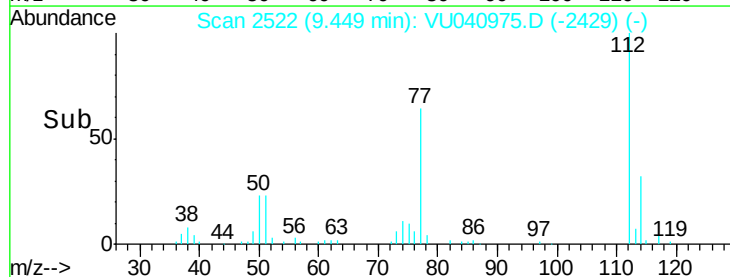
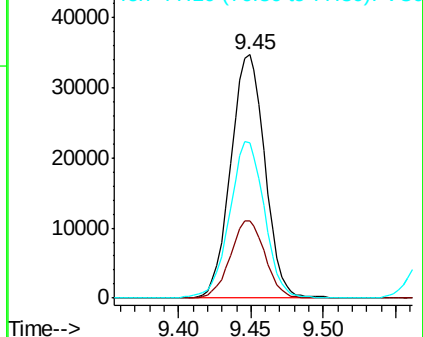


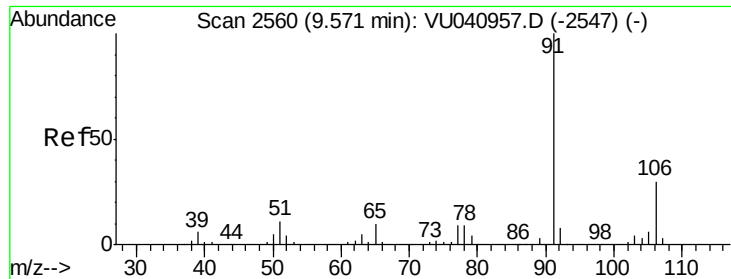
#51
 Chlorobenzene
 Concen: 4.320 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040975.D
 Acq: 27 Oct 2020 11:22

Tgt Ion:112 Resp: 56685
 Ion Ratio Lower Upper
 112 100
 114 31.9 22.4 41.6
 77 63.9 51.2 76.8



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





#52

Ethylbenzene

Concen: 4.288 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

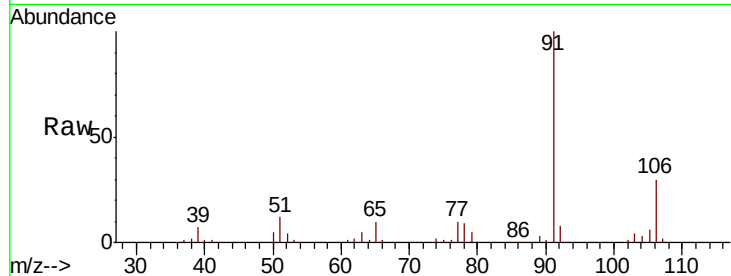
VSTD00528

Tot Ion: 91 Resp: 93408

Ion Ratio Lower Upper

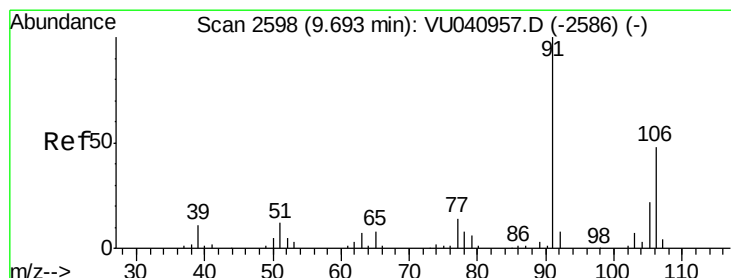
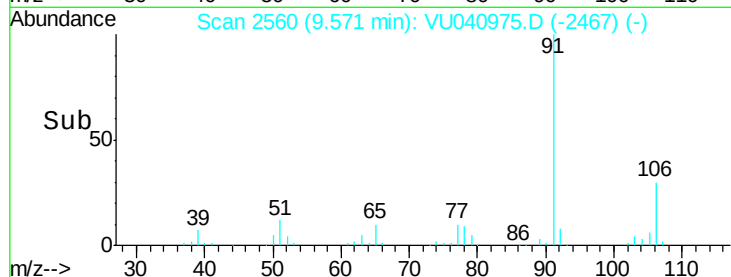
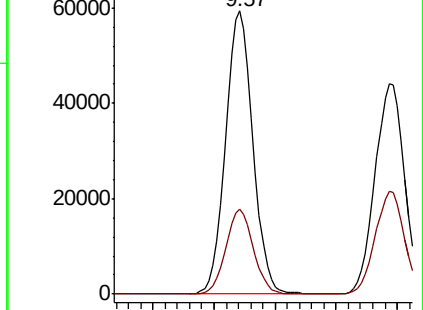
91 100

106 30.1 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040975.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU040975.D (-2547) (-)



#53

m,p-Xylene

Concen: 4.463 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040975.D

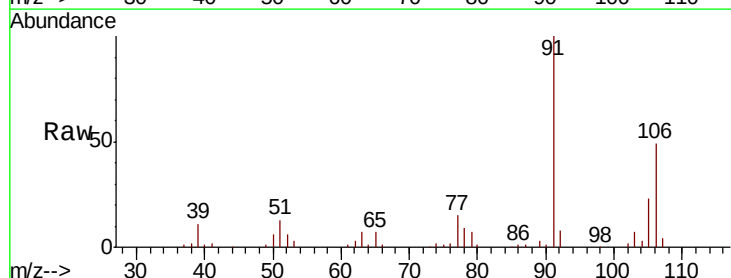
Acq: 27 Oct 2020 11:22

Tgt Ion: 106 Resp: 35455

Ion Ratio Lower Upper

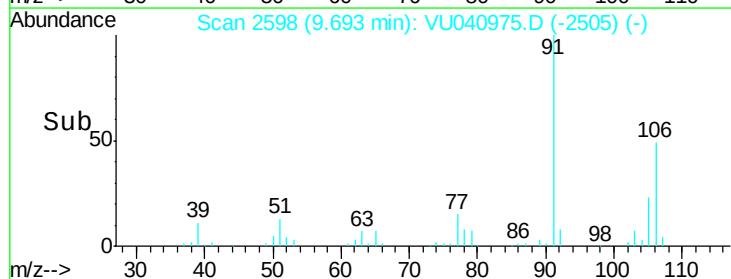
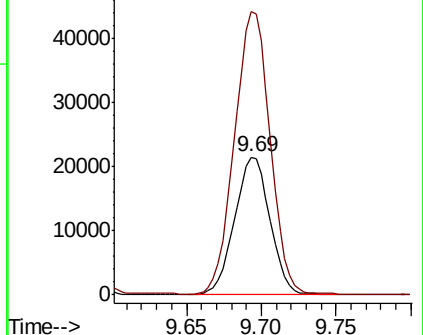
106 100

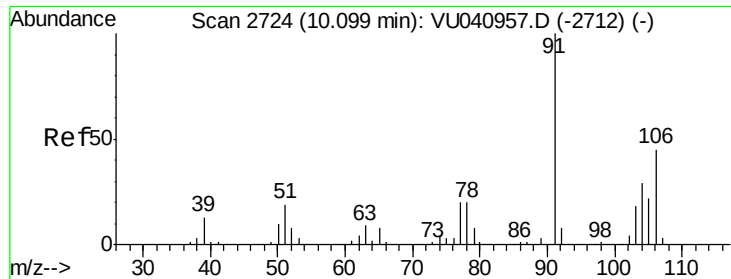
91 205.0 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU040975.D (-2598) (-)

Ion 91.15 (90.85 to 91.85): VU040975.D (-2598) (-)

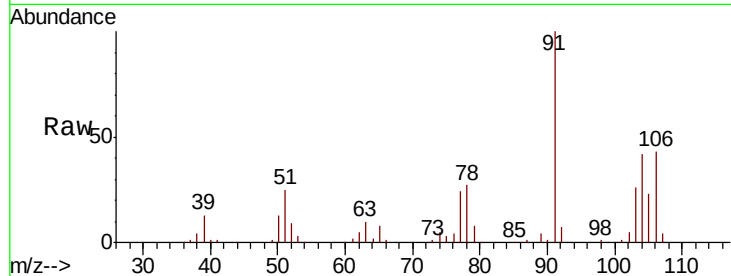




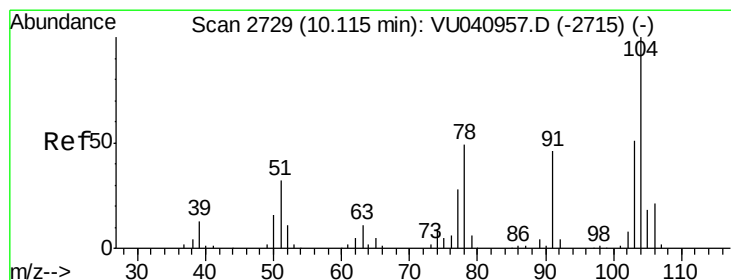
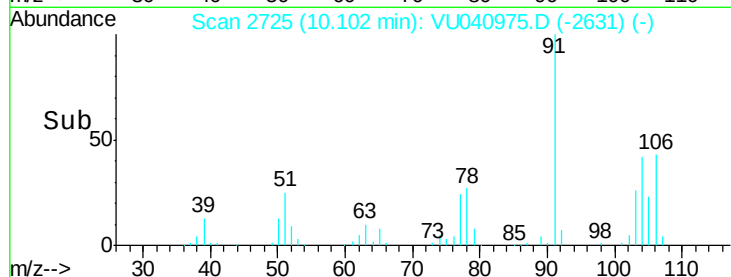
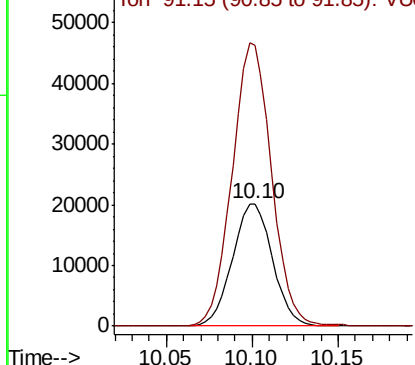
#54
o-Xylene
Concen: 4.396 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion:106 Resp: 32523
Ion Ratio Lower Upper
106 100
91 230.2 154.3 286.5

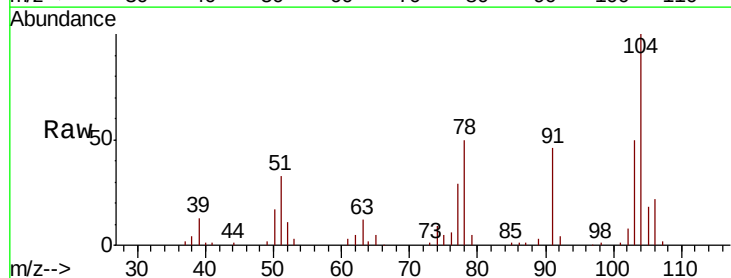


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

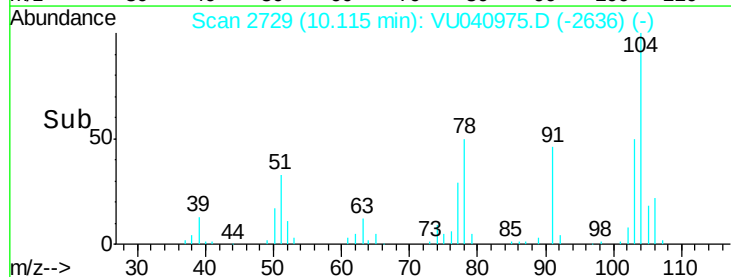
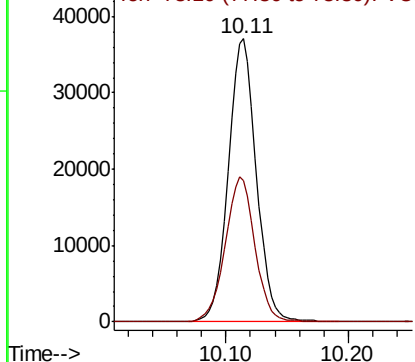


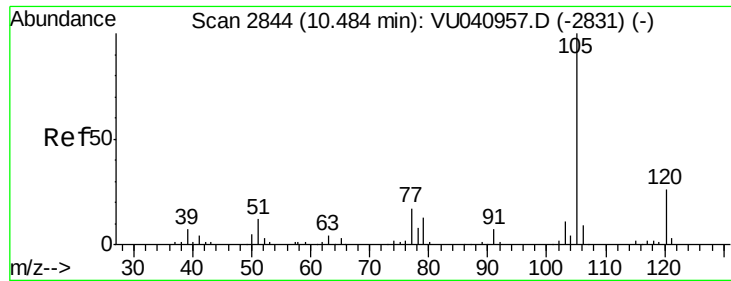
#55
Styrene
Concen: 4.515 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040975.D
Acq: 27 Oct 2020 11:22

Tgt Ion:104 Resp: 59514
Ion Ratio Lower Upper
104 100
78 49.9 35.5 65.9



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





#56

Isopropylbenzene

Concen: 4.493 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

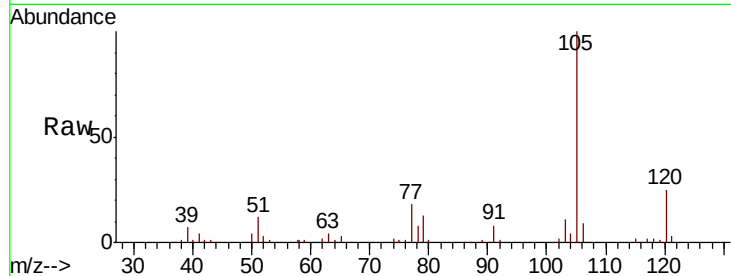
Tot Ion:105 Resp: 89377

Ion Ratio Lower Upper

105 100

120 25.2 20.7 31.1

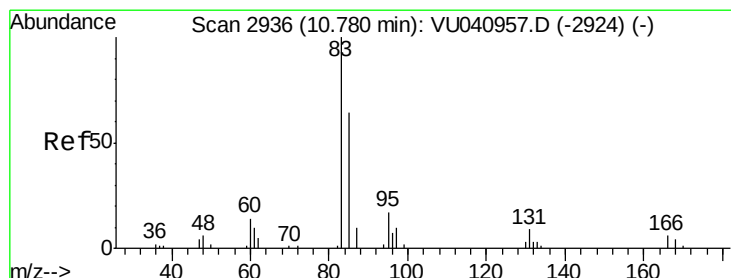
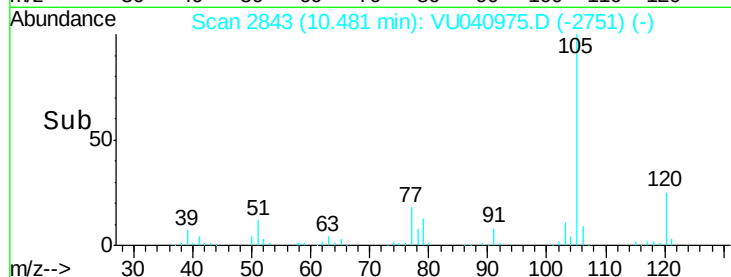
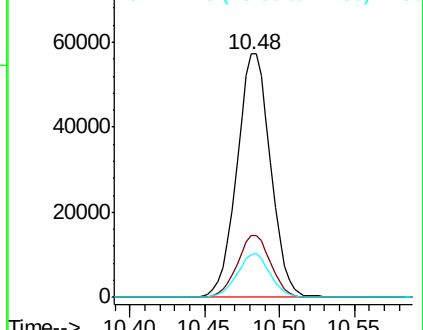
77 17.4 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.214 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

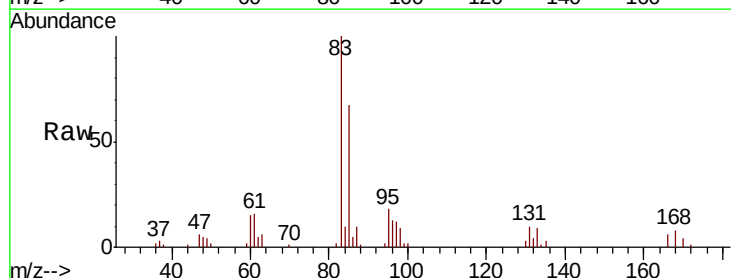
Tgt Ion: 83 Resp: 22746

Ion Ratio Lower Upper

83 100

85 66.8 44.4 82.4

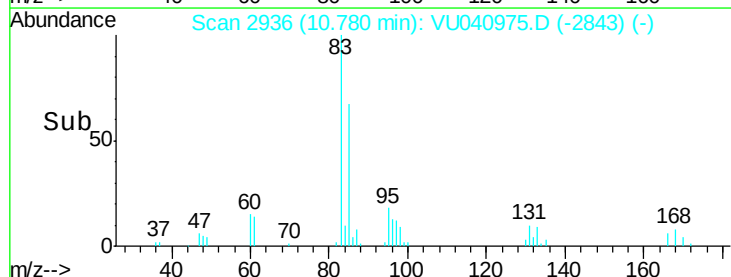
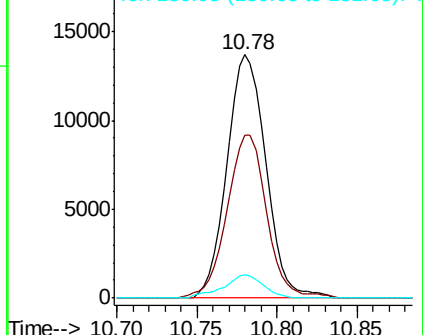
131 9.8 7.7 11.5

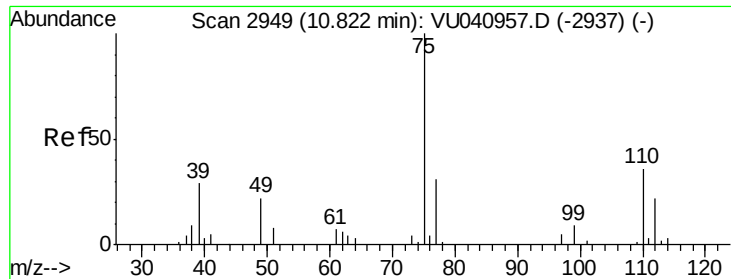


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.324 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

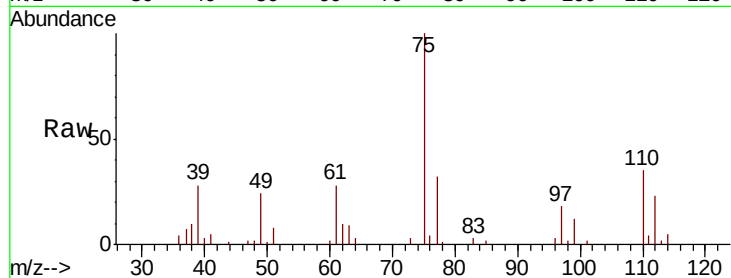
VSTD00528

Tot Ion: 75 Resp: 17794

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040957.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU040957.D (-2937) (-)

10.82

12000

10000

8000

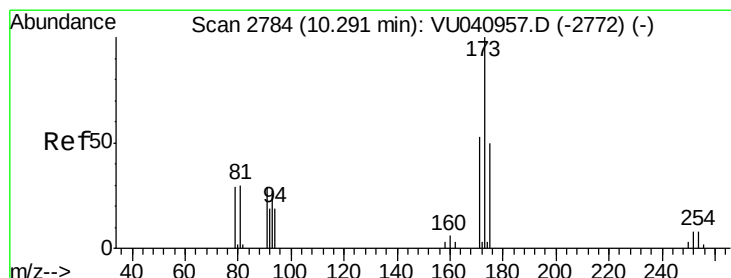
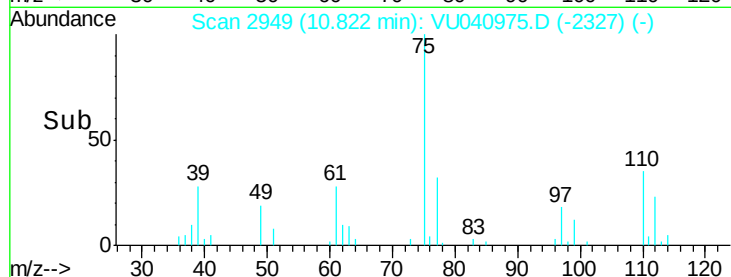
6000

4000

2000

0

Time-->



#61

Bromoform

Concen: 4.159 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

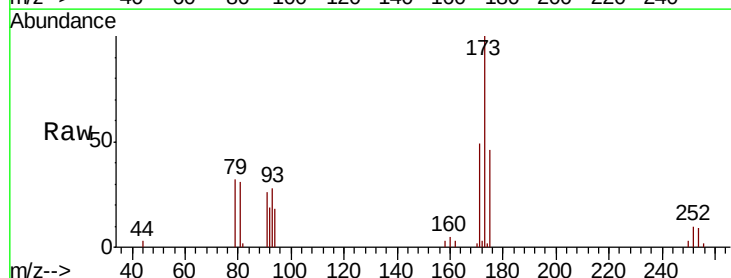
Tgt Ion: 173 Resp: 11022

Ion Ratio Lower Upper

173 100

175 47.8 37.6 56.4

254 7.9 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU040957.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU040957.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU040957.D (-2772) (-)

10.29

8000

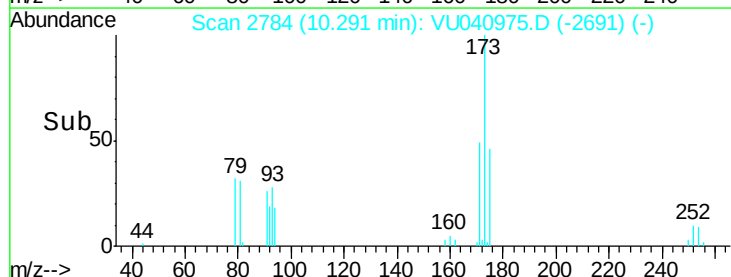
6000

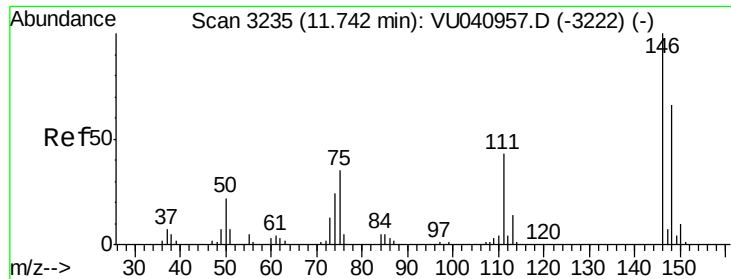
4000

2000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.469 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

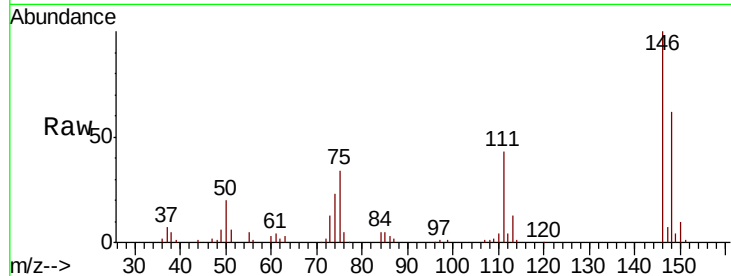
Tot Ion:146 Resp: 44367

Ion Ratio Lower Upper

146 100

111 43.1 30.9 57.3

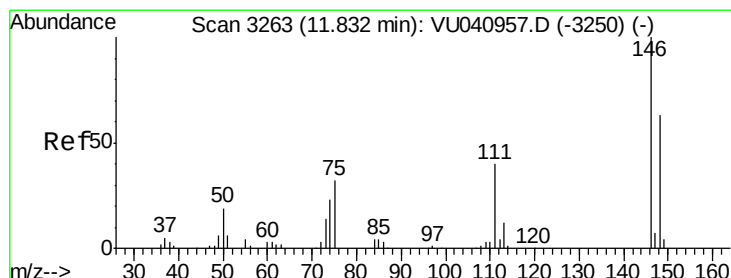
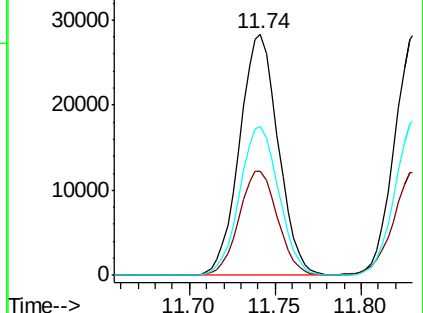
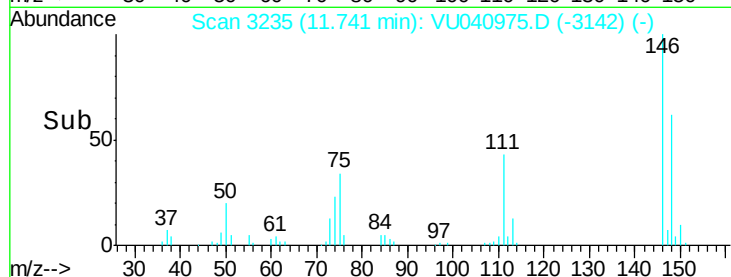
148 61.6 45.8 85.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.374 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

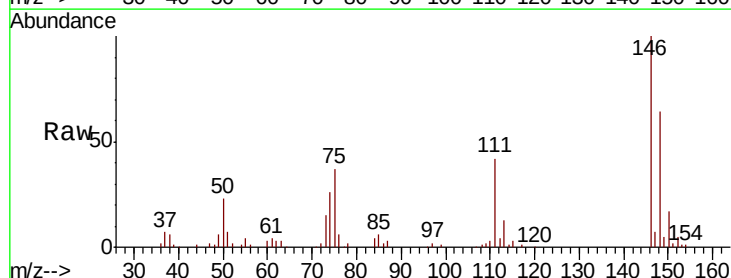
Tgt Ion:146 Resp: 44967

Ion Ratio Lower Upper

146 100

111 42.5 28.3 52.7

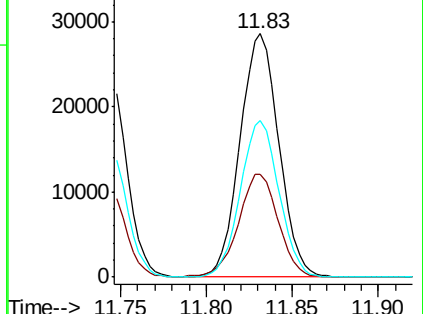
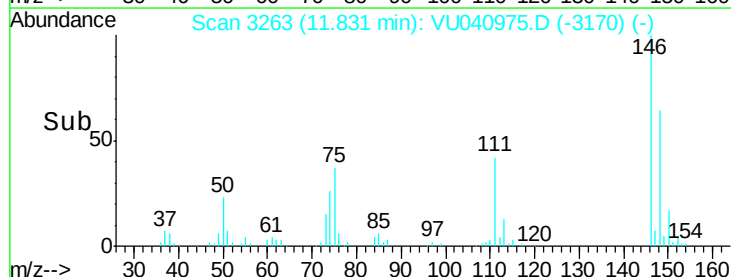
148 64.4 44.2 82.2

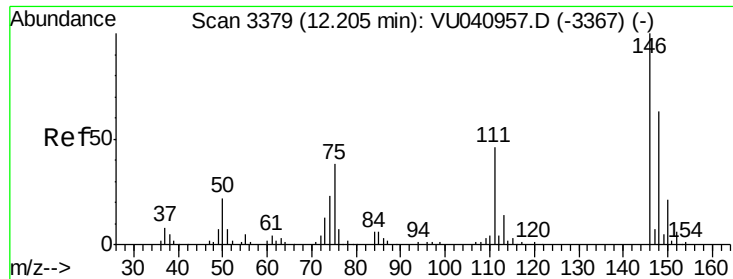


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

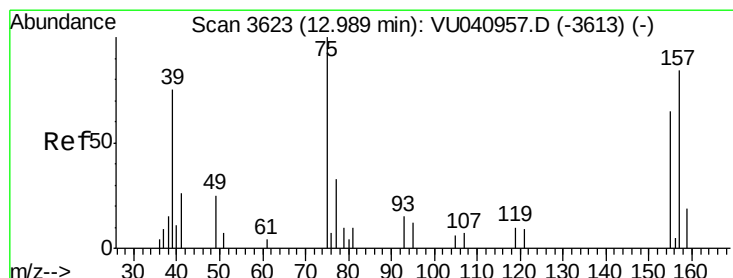
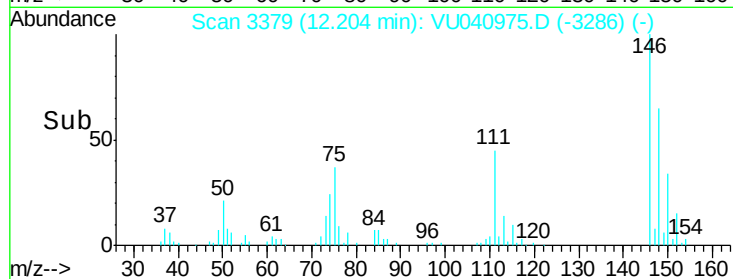
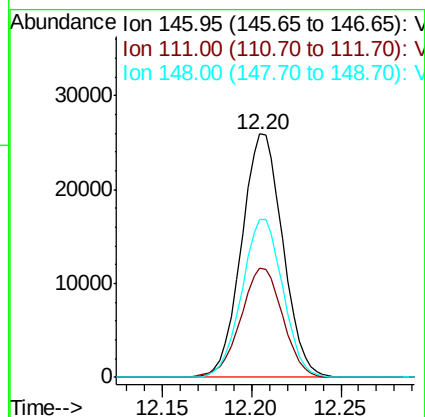
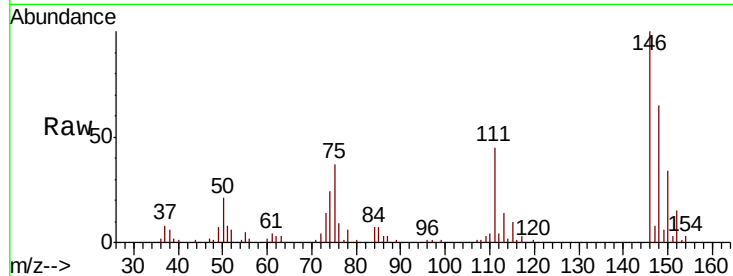




#65
 1,2-Dichlorobenzene
 Concen: 4.276 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040975.D
 Acq: 27 Oct 2020 11:22

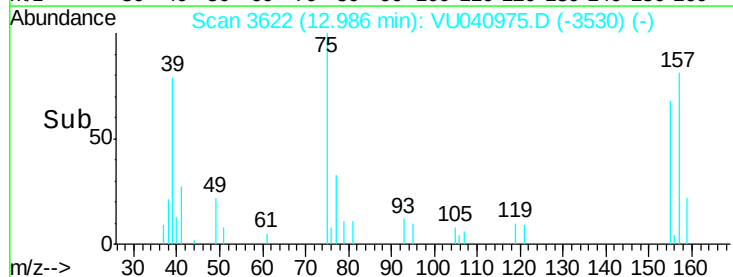
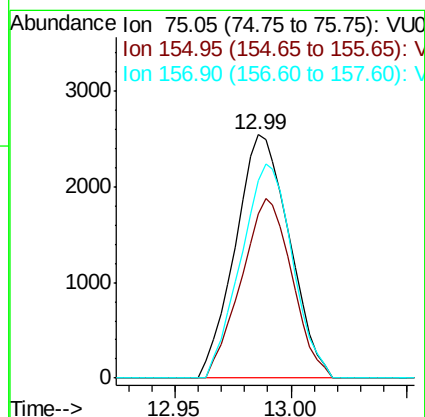
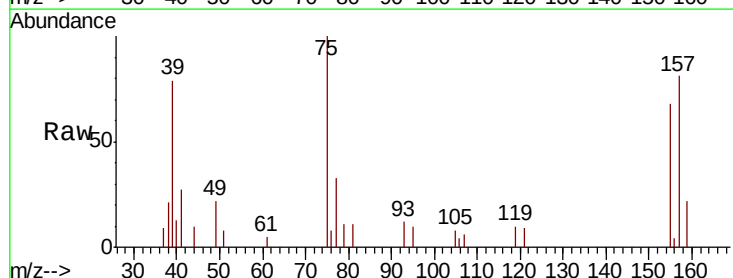
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

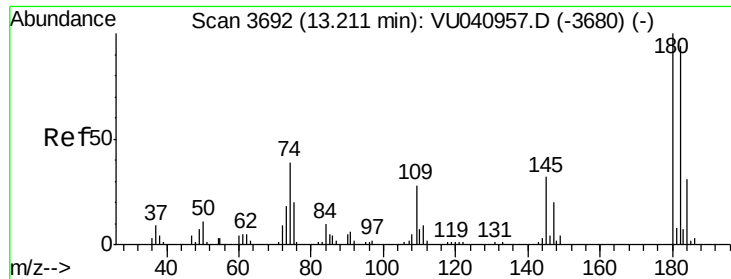
Tot Ion:146 Resp: 41883
 Ion Ratio Lower Upper
 146 100
 111 45.0 35.0 52.6
 148 64.9 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.293 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU040975.D
 Acq: 27 Oct 2020 11:22

Tgt Ion: 75 Resp: 4122
 Ion Ratio Lower Upper
 75 100
 155 67.7 61.4 92.2
 157 81.3 74.2 111.4

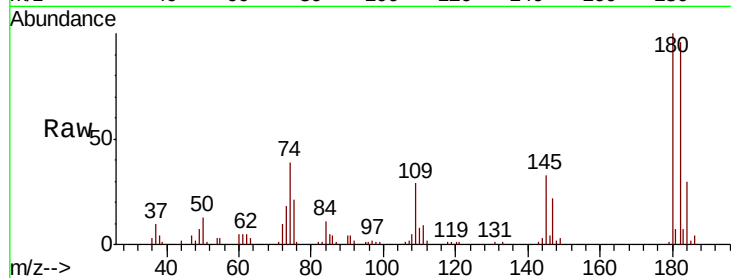




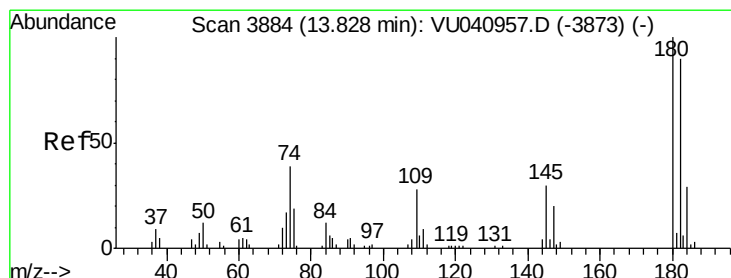
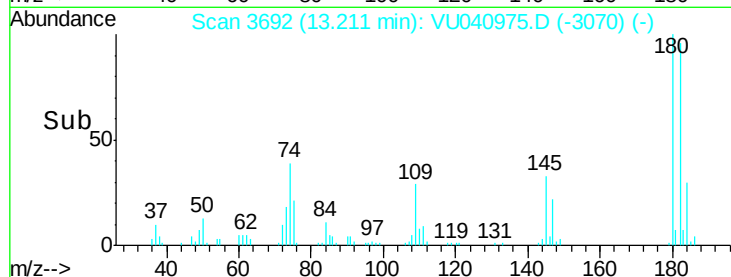
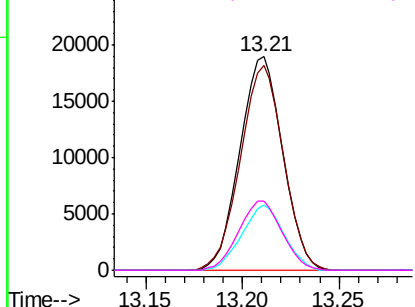
#67
 1,3,5-Trichlorobenzene
 Concen: 4.217 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040975.D
 Acq: 27 Oct 2020 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion:180 Resp: 29279
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.7 113.5
 184 29.9 23.7 35.5
 145 32.7 26.1 39.1

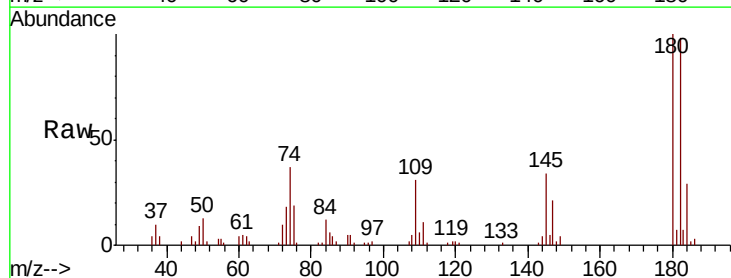


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

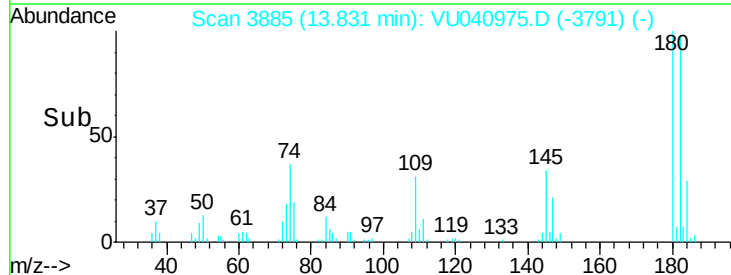
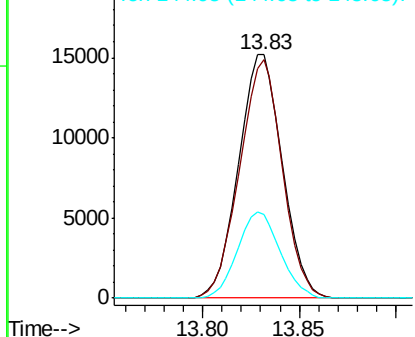


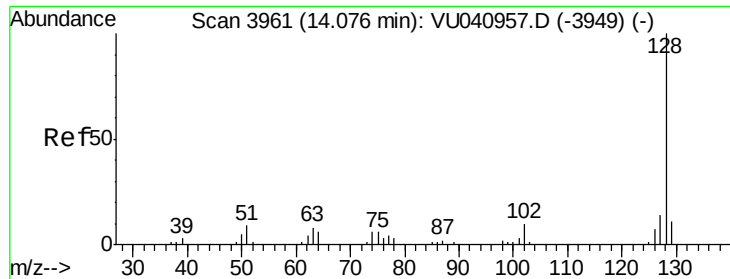
#68
 1,2,4-trichlorobenzene
 Concen: 4.149 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040975.D
 Acq: 27 Oct 2020 11:22

Tgt Ion:180 Resp: 23859
 Ion Ratio Lower Upper
 180 100
 182 95.4 73.5 110.3
 145 34.4 26.6 40.0



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





#69

Naphthalene

Concen: 3.982 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

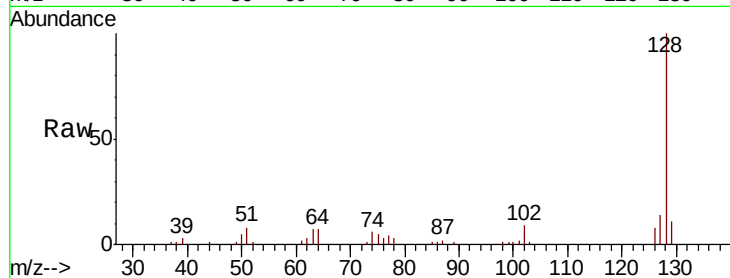
Tot Ion:128 Resp: 40947

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

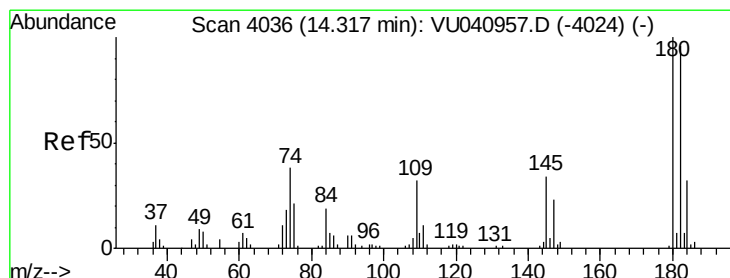
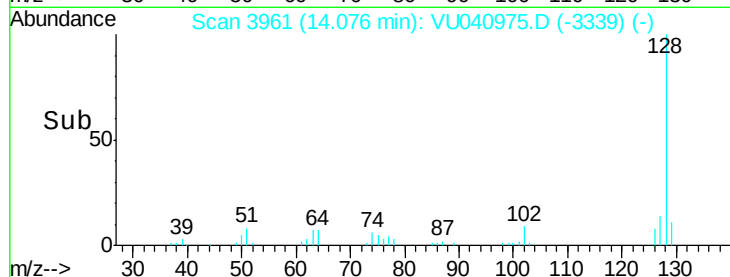
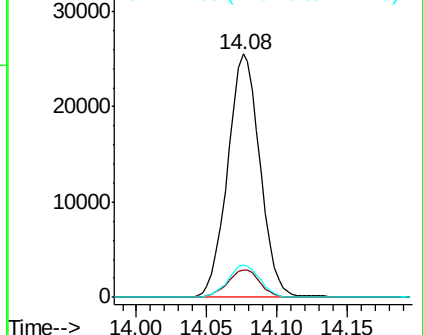
127 13.1 10.8 16.2



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: 4.416 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040975.D

Acq: 27 Oct 2020 11:22

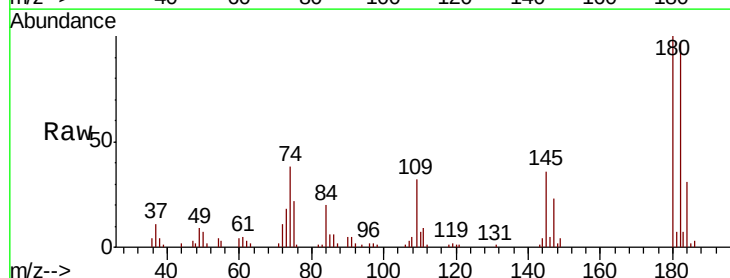
Tgt Ion:180 Resp: 23410

Ion Ratio Lower Upper

180 100

182 98.3 77.7 116.5

145 35.6 29.4 44.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

