

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102620\
 Data File : VU040973.D
 Acq On : 27 Oct 2020 03:49
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Quant Time: Oct 27 05:34:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 27 05:24:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	62056	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	62840	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	31734	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25009	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.92	69	19851	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.58	63	49934	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.60%
20) 2-Butanone-d5	4.67	46	88839	51.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.50%
24) Chloroform-d	5.08	84	45847	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.72	65	27644	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.74	84	82643	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.70	67	27642	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.91	98	75991	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	8.19	79	11252	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.64	63	67389	52.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.54%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25412	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	26998	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	27766	4.901	ug/L	99
3) Chloromethane	1.53	50	29081	4.923	ug/L	97
5) Vinyl chloride	1.61	62	28990	4.974	ug/L	98
6) Bromomethane	1.87	94	14175	4.243	ug/L	97
8) Chloroethane	1.94	64	17964	4.865	ug/L	97
9) Trichlorofluoromethane	2.15	101	39432	4.978	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	23197	4.997	ug/L	99
12) 1,1-Dichloroethene	2.59	96	21741	4.960	ug/L	93
13) Acetone	2.69	43	56389	48.042	ug/L	76
14) Carbon disulfide	2.81	76	70874	4.838	ug/L	98
15) Methyl Acetate	2.98	43	12840	4.781	ug/L #	90
16) Methylene chloride	3.06	84	24513	4.799	ug/L	98
17) Methyl tert-butyl Ether	3.39	73	55286	4.901	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	22021	4.943	ug/L	95
19) 1,1-Dichloroethane	3.89	63	44234	4.967	ug/L	98
21) 2-Butanone	4.75	43	90005	49.063	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	23382	5.089	ug/L	97

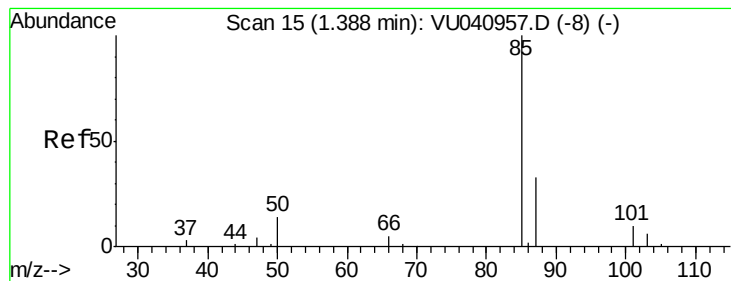
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102620\
 Data File : VU040973.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	11418	5.267	ug/L	95
25) Chloroform	5.11	83	45154	5.056	ug/L	96
27) 1,2-Dichloroethane	5.81	62	32818	4.934	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	38325	4.987	ug/L	96
30) Cyclohexane	5.40	56	36602	4.834	ug/L	99
31) Carbon tetrachloride	5.54	117	32786	4.818	ug/L	98
33) Benzene	5.79	78	95025	5.061	ug/L	100
34) Trichloroethene	6.55	95	23558	4.930	ug/L	97
35) Methylcyclohexane	6.77	83	34182	4.796	ug/L	98
37) 1,2-Dichloropropane	6.80	63	26111	5.139	ug/L	99
38) Bromodichloromethane	7.11	83	32324	4.905	ug/L	93
39) cis-1,3-Dichloropropene	7.61	75	32459	4.640	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	212203	52.384	ug/L	99
42) Toluene	7.98	91	97192	5.105	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	31020	4.738	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	18963	5.014	ug/L	93
47) Tetrachloroethene	8.56	164	18282	5.203	ug/L	97
48) 2-Hexanone	8.69	43	157886	51.762	ug/L	99
49) Dibromochloromethane	8.82	129	21759	4.954	ug/L	98
50) 1,2-Dibromoethane	8.93	107	18046	5.007	ug/L	99
51) Chlorobenzene	9.45	112	59970	4.967	ug/L	98
52) Ethylbenzene	9.57	91	99279	4.954	ug/L	99
53) m,p-Xylene	9.69	106	37497	5.130	ug/L	96
54) o-Xylene	10.10	106	34466	5.063	ug/L	94
55) Styrene	10.11	104	62921	5.188	ug/L	99
56) Isopropylbenzene	10.48	105	92820	5.071	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	24722	4.977	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	18692	4.936	ug/L	98
61) Bromoform	10.29	173	11798	4.824	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	46161	5.039	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	47304	4.986	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	44722	4.947	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	4200	4.741	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	30152	4.707	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	24560	4.628	ug/L	97
69) Naphthalene	14.08	128	46225	4.871	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	24990	5.109	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.901 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

Instrument :

MSVOA_U

ClientSampleId :

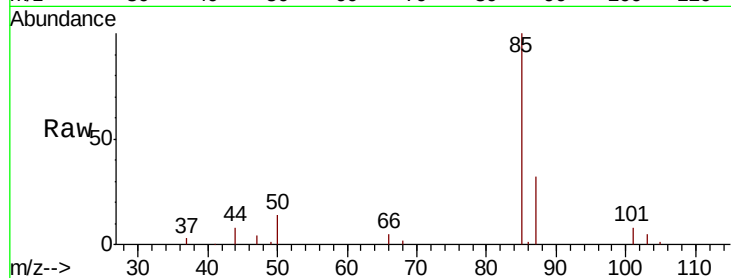
VSTD00527

Tot Ion: 85 Resp: 27766

Ion Ratio Lower Upper

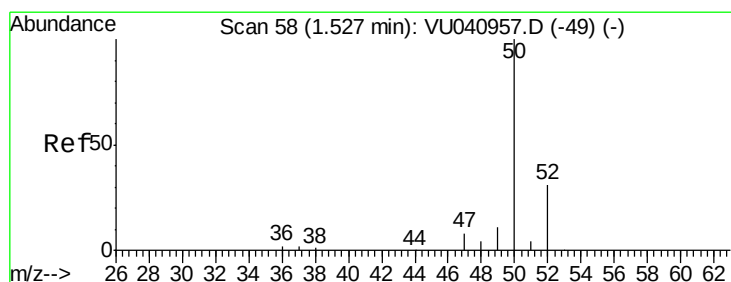
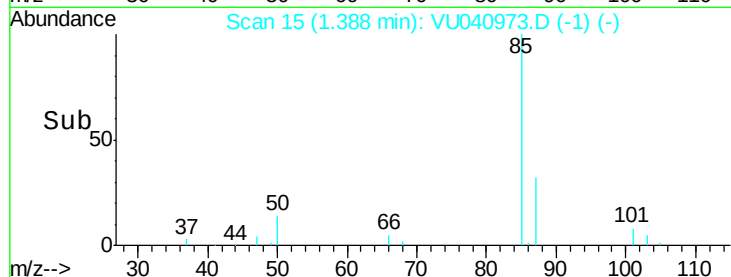
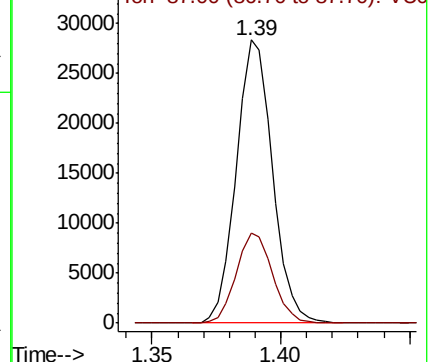
85 100

87 31.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.923 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040973.D

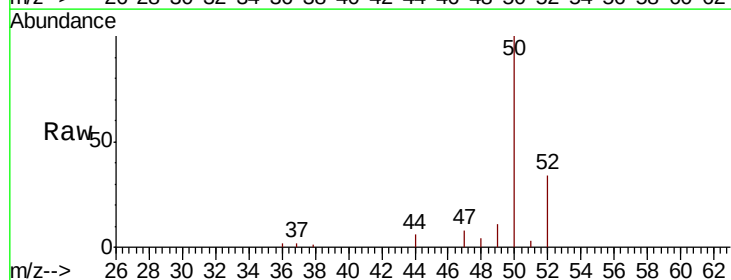
Acq: 27 Oct 2020 03:49

Tgt Ion: 50 Resp: 29081

Ion Ratio Lower Upper

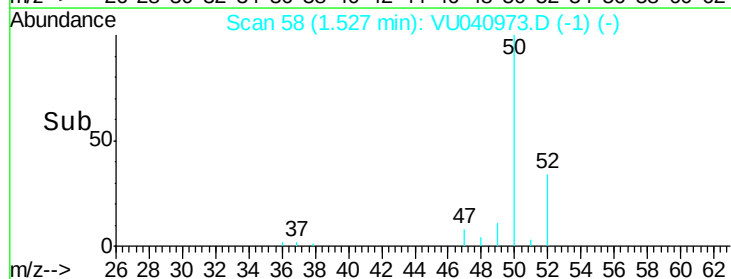
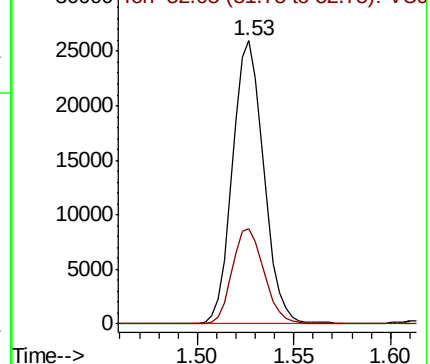
50 100

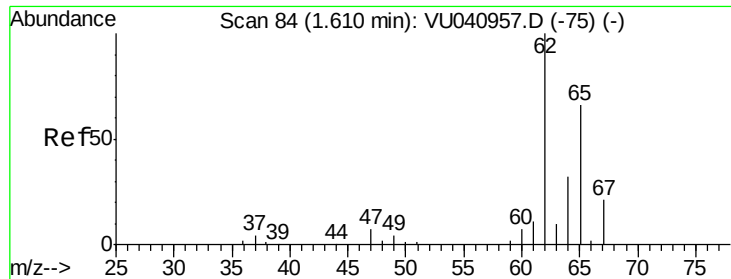
52 33.8 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.974 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

Instrument :

MSVOA_U

ClientSampleId :

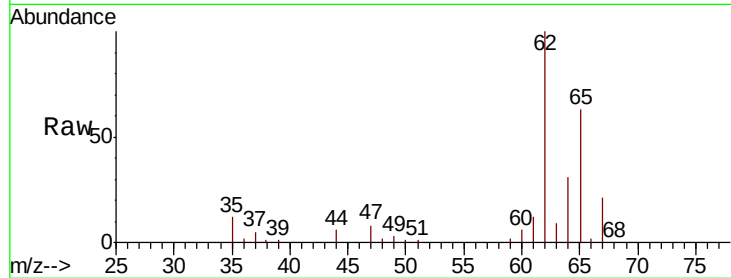
VSTD00527

Tot Ion: 62 Resp: 28990

Ion Ratio Lower Upper

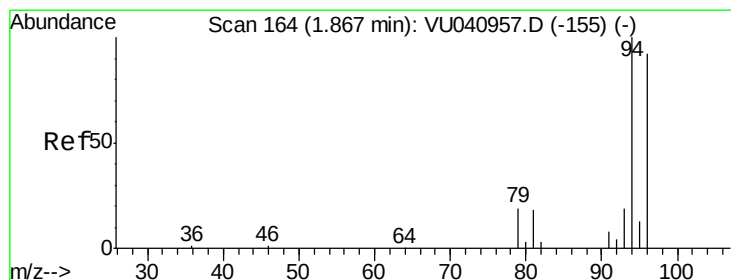
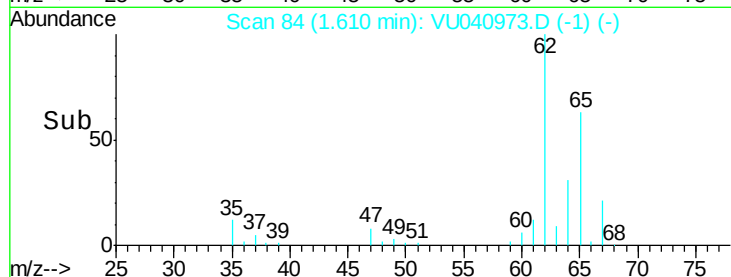
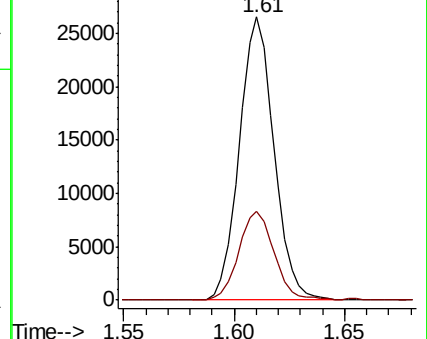
62 100

64 31.4 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU040973.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040973.D (-75) (-)



#6

Bromomethane

Concen: 4.243 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040973.D

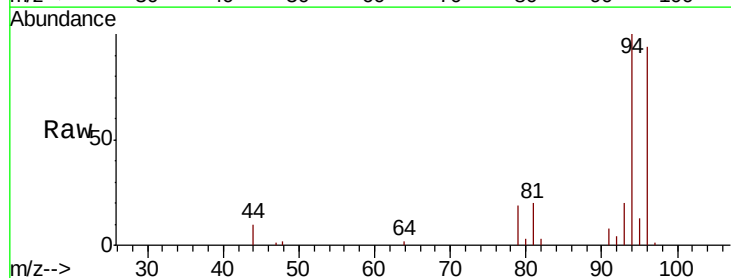
Acq: 27 Oct 2020 03:49

Tgt Ion: 94 Resp: 14175

Ion Ratio Lower Upper

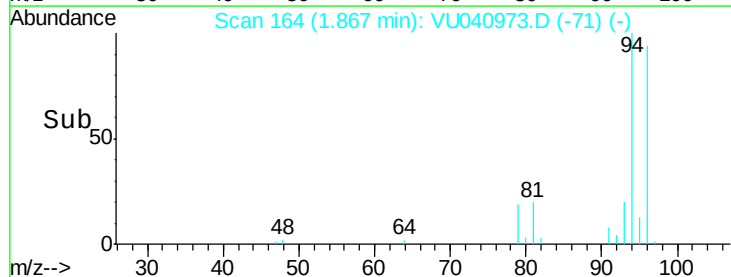
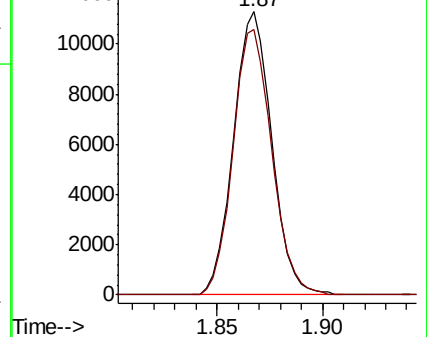
94 100

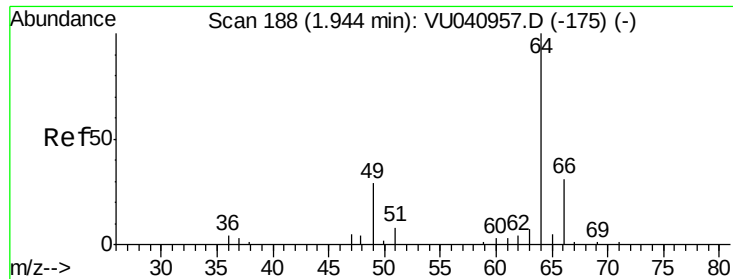
96 93.8 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU040973.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU040973.D (-155) (-)

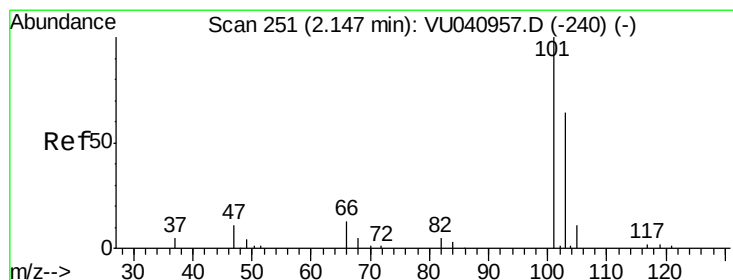
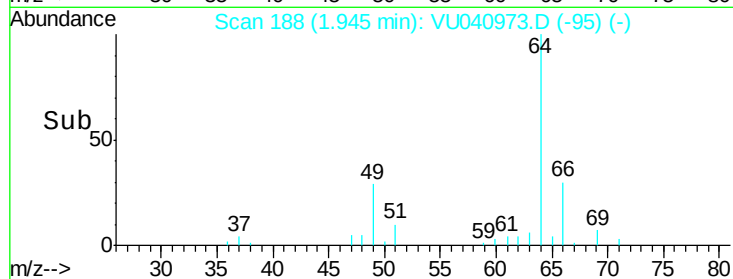
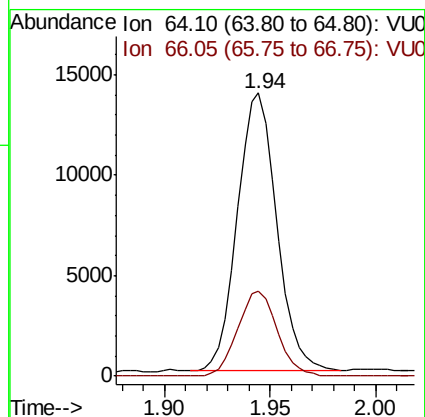
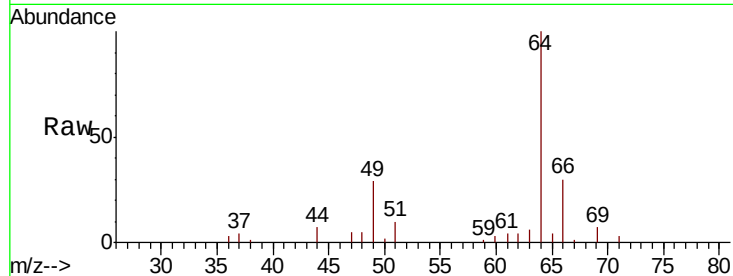




#8
Chloroethane
Concen: 4.865 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040973.D
Acq: 27 Oct 2020 03:49

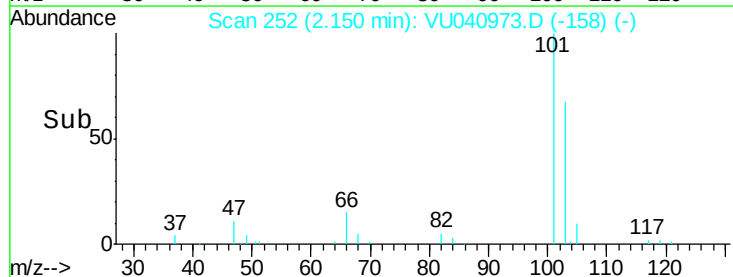
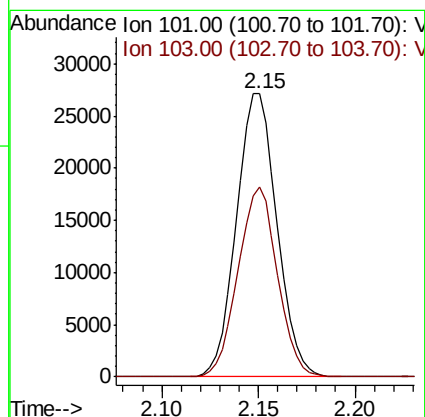
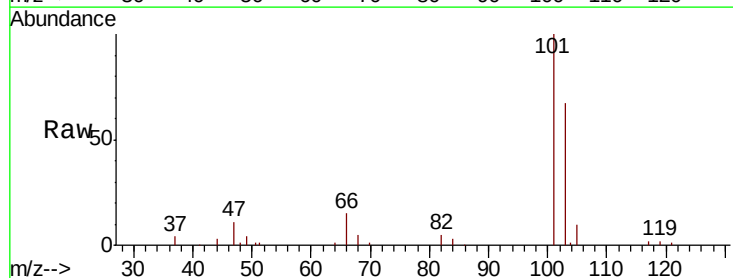
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

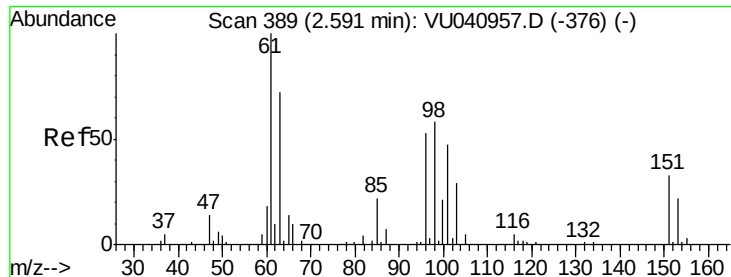
Tot Ion: 64 Resp: 17964
Ion Ratio Lower Upper
64 100
66 30.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.978 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040973.D
Acq: 27 Oct 2020 03:49

Tgt Ion: 101 Resp: 39432
Ion Ratio Lower Upper
101 100
103 65.3 51.0 76.4





#10

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

Concen: 4.997 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

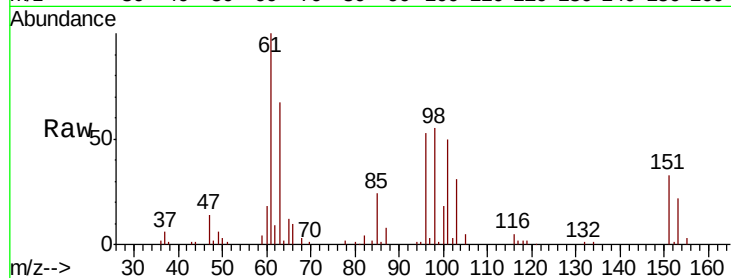
Tot Ion:101 Resp: 23197

Ion Ratio Lower Upper

101 100

85 45.1 35.0 52.4

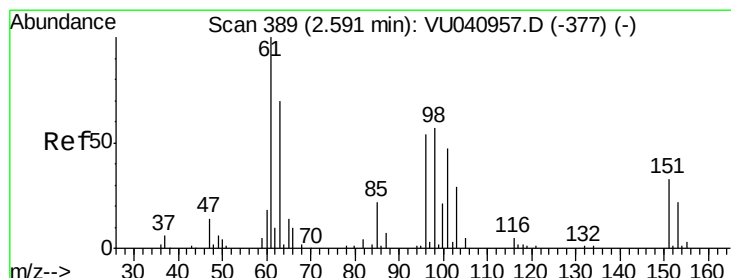
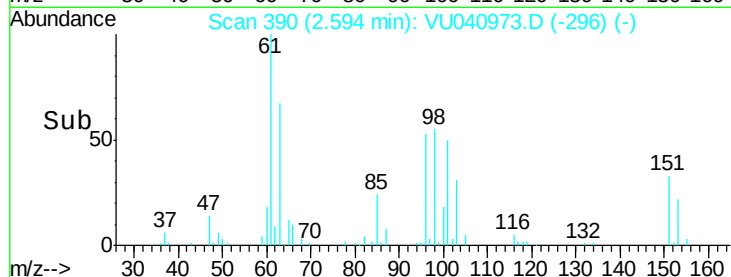
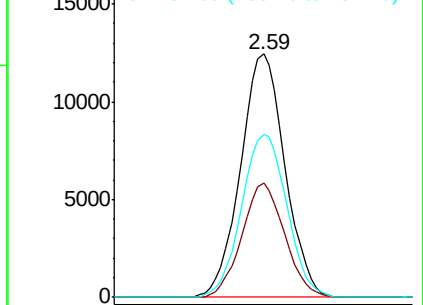
151 68.3 55.3 82.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.960 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

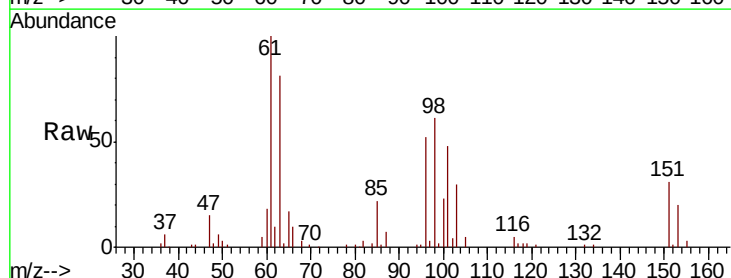
Tgt Ion: 96 Resp: 21741

Ion Ratio Lower Upper

96 100

61 192.5 134.3 249.5

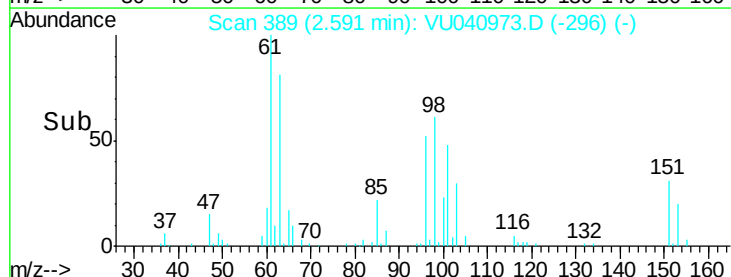
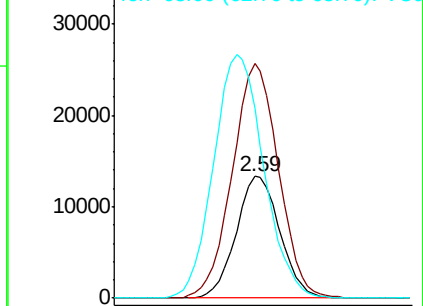
63 156.1 95.0 176.4

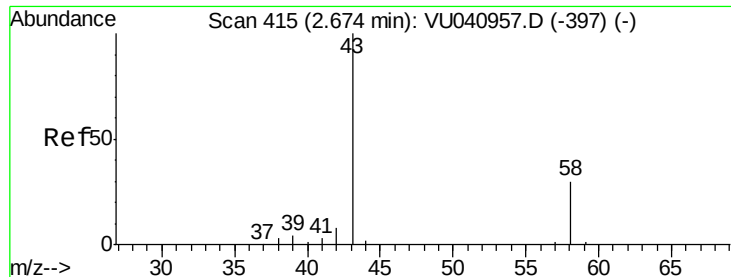


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.042 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.01 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

Instrument :

MSVOA_U

ClientSampleId :

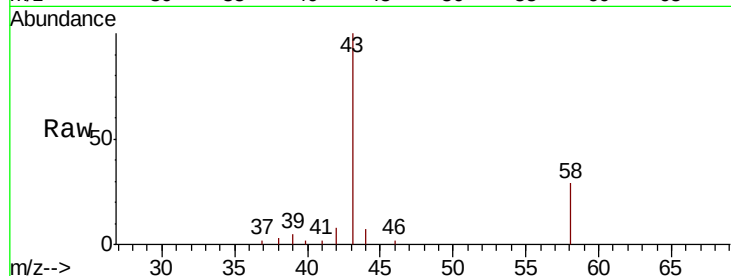
VSTD00527

Tot Ion: 43 Resp: 56389

Ion Ratio Lower Upper

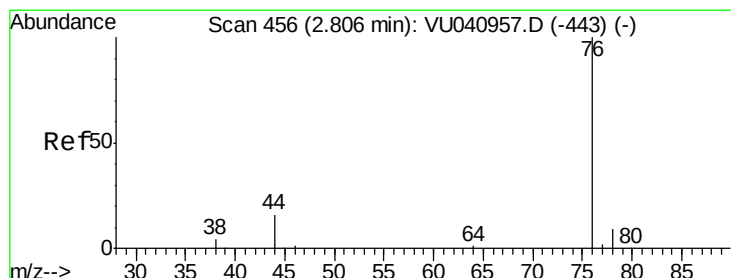
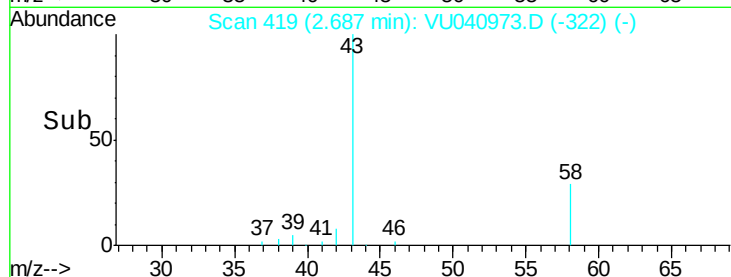
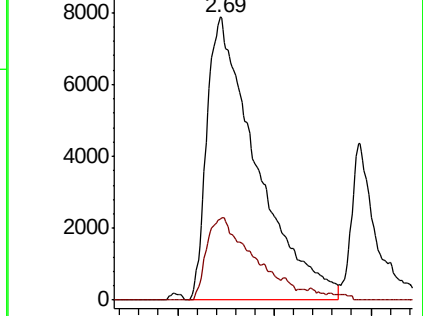
43 100

58 22.3 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU040973.D (-322) (-)

Ion 58.05 (57.75 to 58.75): VU040973.D (-322) (-)



#14

Carbon disulfide

Concen: 4.838 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040973.D

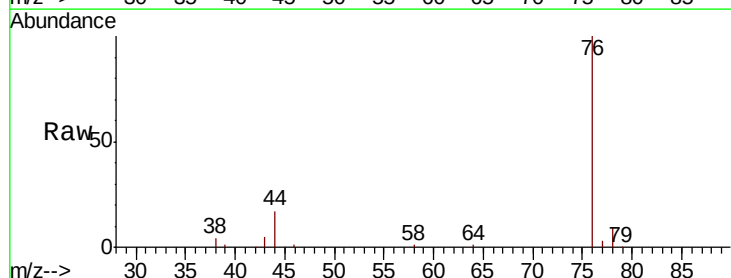
Acq: 27 Oct 2020 03:49

Tgt Ion: 76 Resp: 70874

Ion Ratio Lower Upper

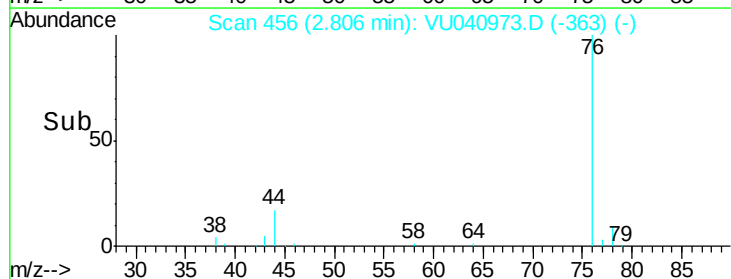
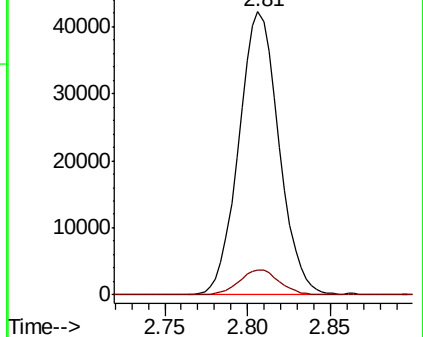
76 100

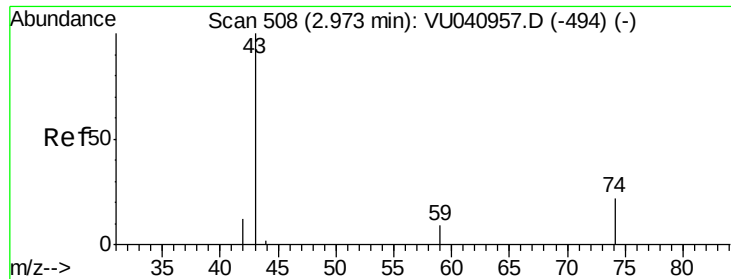
78 8.8 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU040973.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040973.D (-363) (-)

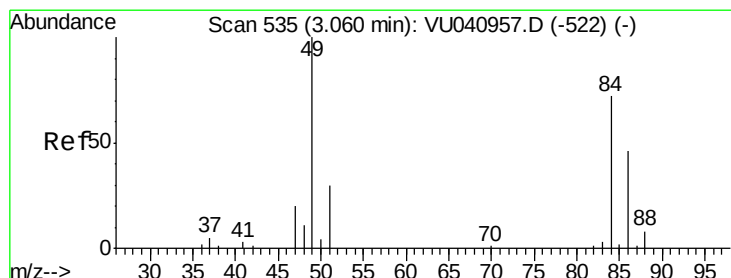
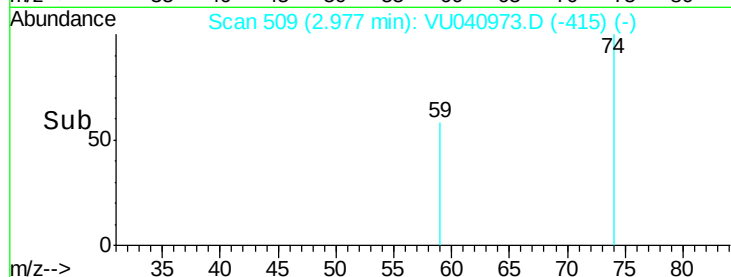
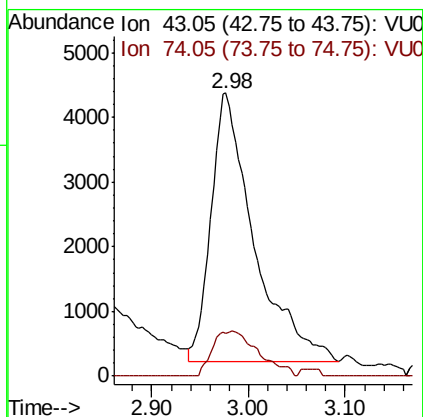
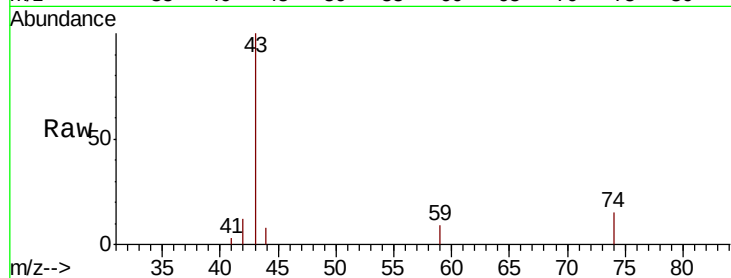




#15
Methyl Acetate
Concen: 4.781 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU040973.D
Acq: 27 Oct 2020 03:49

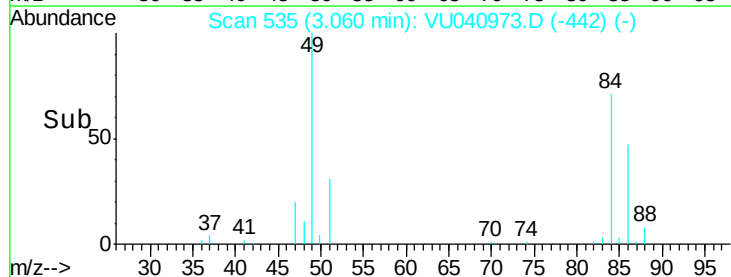
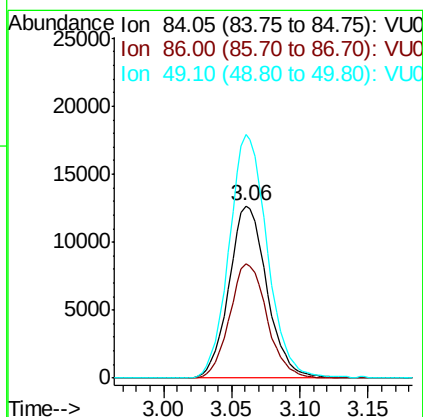
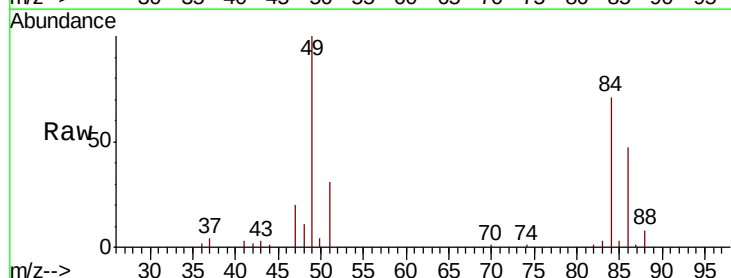
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

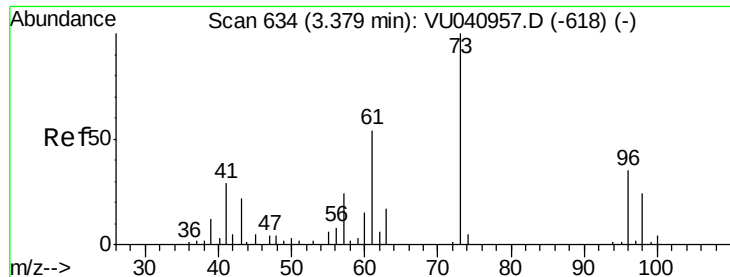
Tot Ion: 43 Resp: 12840
Ion Ratio Lower Upper
43 100
74 18.0 18.3 27.5#



#16
Methylene chloride
Concen: 4.799 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040973.D
Acq: 27 Oct 2020 03:49

Tgt Ion: 84 Resp: 24513
Ion Ratio Lower Upper
84 100
86 66.0 42.8 79.6
49 141.1 99.5 184.7

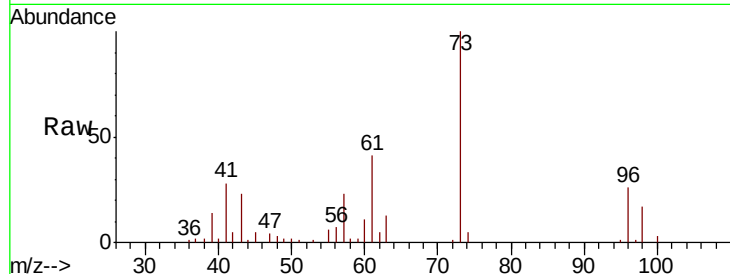




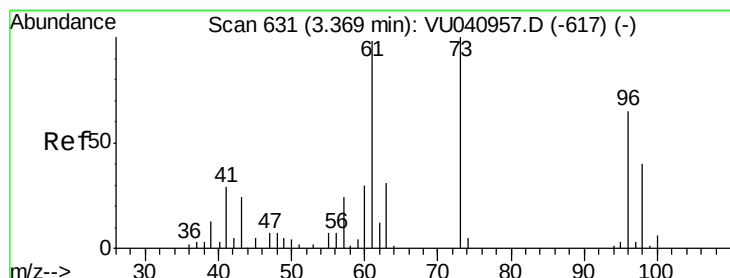
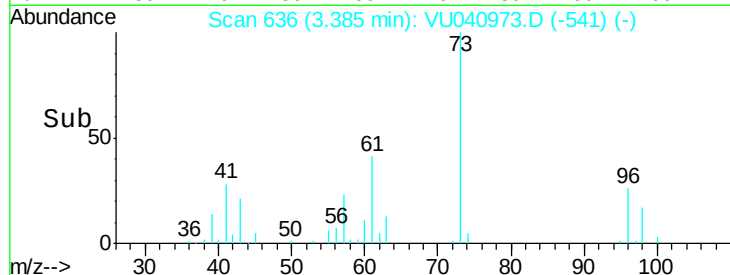
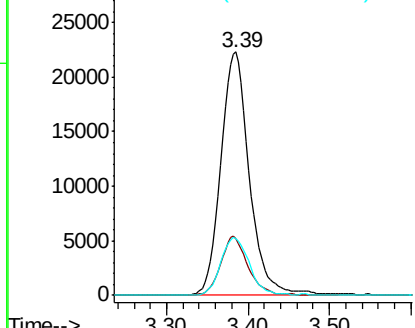
#17
Methyl tert-butyl Ether
Concen: 4.901 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.01 min
Lab File: VU040973.D
Acq: 27 Oct 2020 03:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion: 73 Resp: 55286
Ion Ratio Lower Upper
73 100
43 22.7 18.5 27.7
57 23.6 18.4 27.6

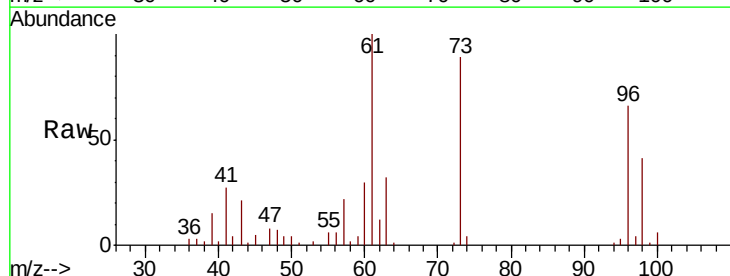


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

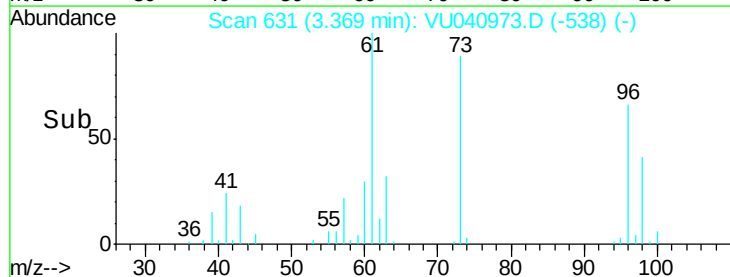
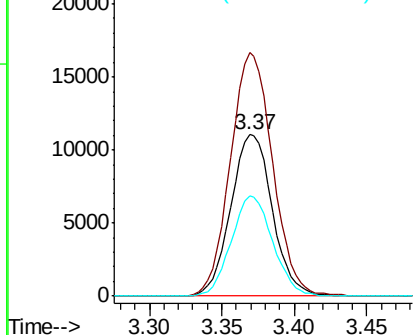


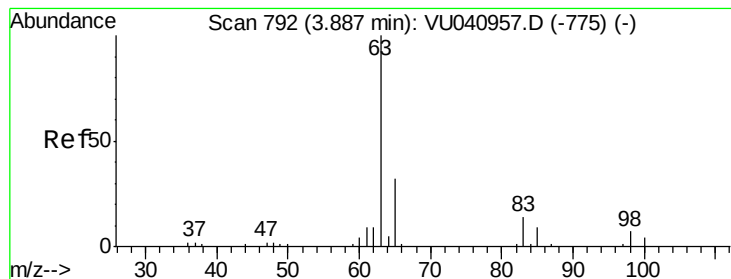
#18
trans-1,2-Dichloroethene
Concen: 4.943 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040973.D
Acq: 27 Oct 2020 03:49

Tgt Ion: 96 Resp: 22021
Ion Ratio Lower Upper
96 100
61 150.7 110.9 205.9
98 61.9 45.4 84.2



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





#19

1,1-Dichloroethane

Concen: 4.967 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

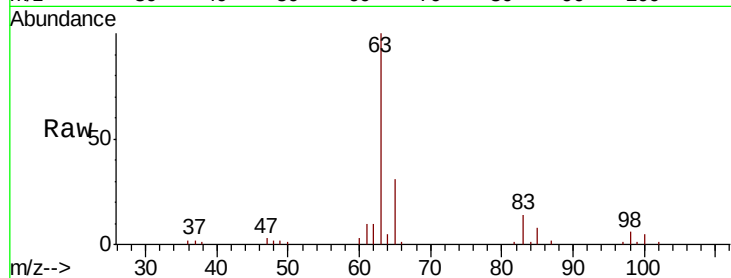
Tot Ion: 63 Resp: 44234

Ion Ratio Lower Upper

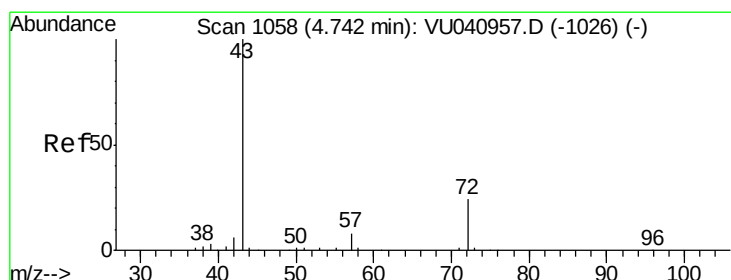
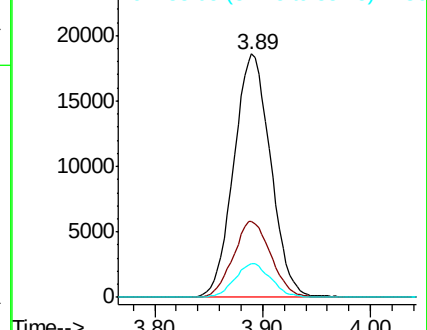
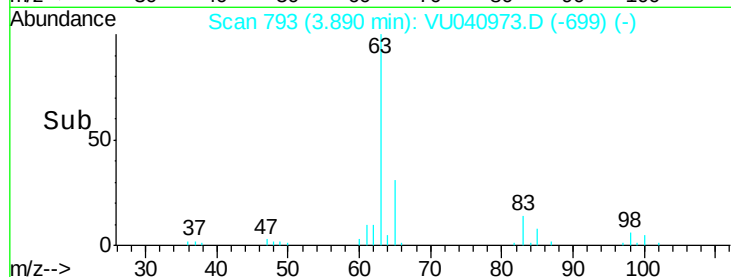
63 100

65 31.1 21.3 39.6

83 13.9 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU040973.D (-699) (-)



#21

2-Butanone

Concen: 49.063 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VU040973.D

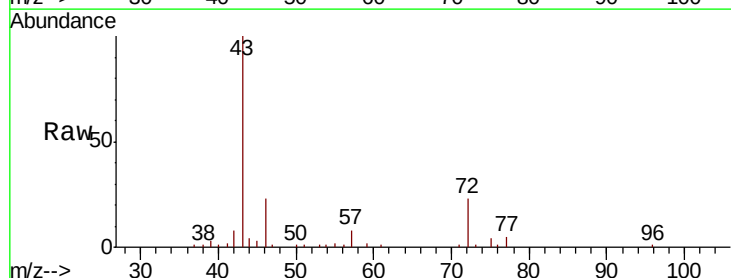
Acq: 27 Oct 2020 03:49

Tgt Ion: 43 Resp: 90005

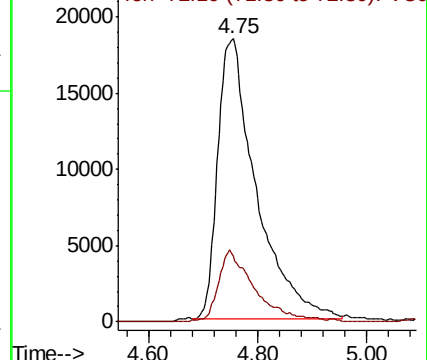
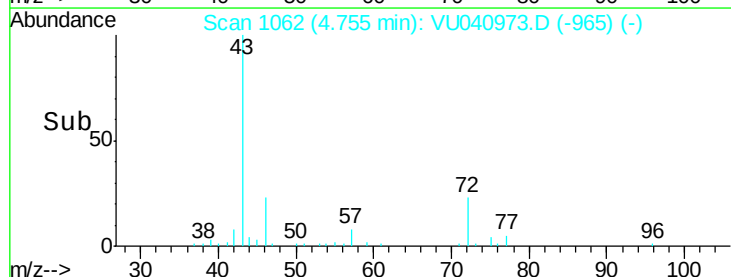
Ion Ratio Lower Upper

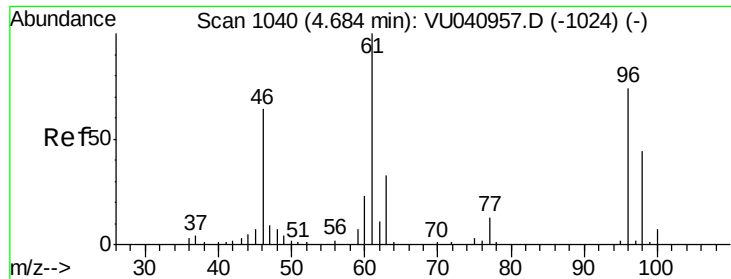
43 100

72 22.7 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU040973.D (-965) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.089 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

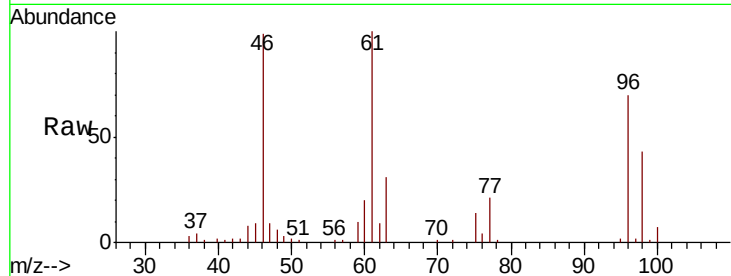
Tot Ion: 96 Resp: 23382

Ion Ratio Lower Upper

96 100

61 142.1 97.2 180.4

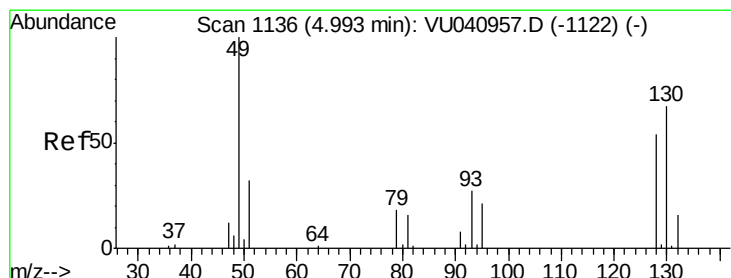
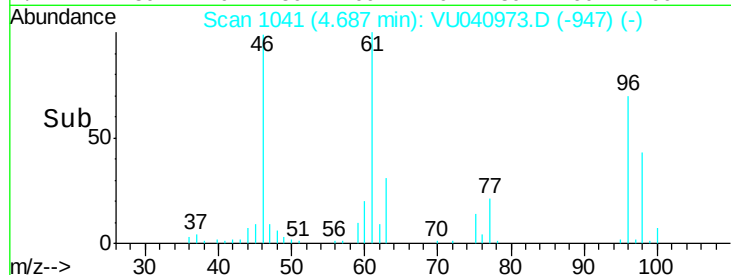
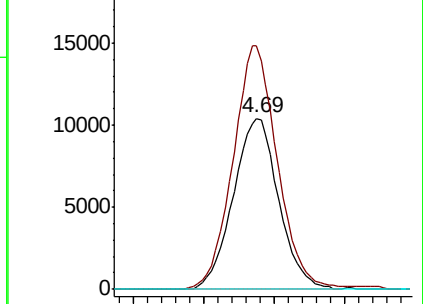
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040973.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040973.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040973.D (-947) (-)



#23

Bromochloromethane

Concen: 5.267 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

Tgt Ion: 128 Resp: 11418

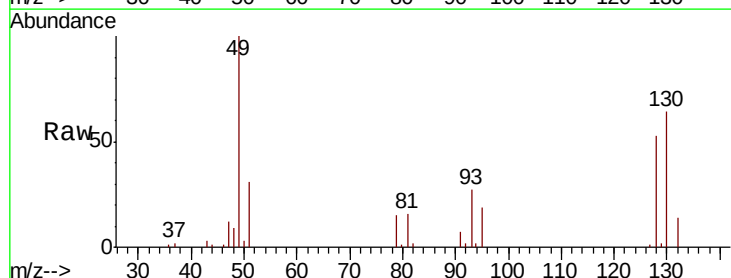
Ion Ratio Lower Upper

128 100

49 188.4 135.0 250.8

130 120.7 89.9 167.0

51 59.0 51.9 77.9

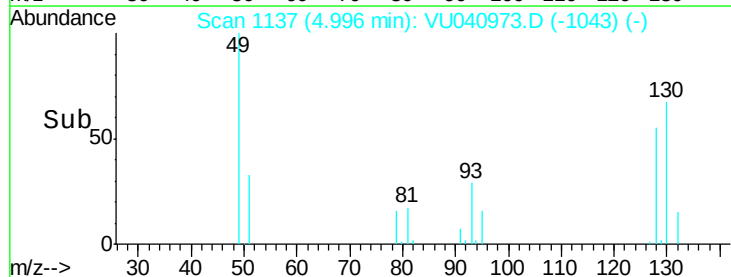
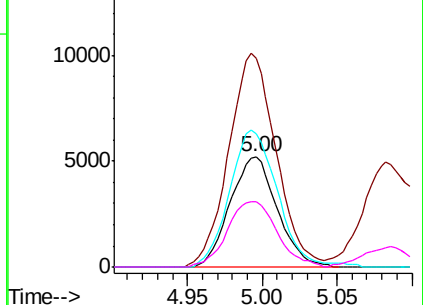


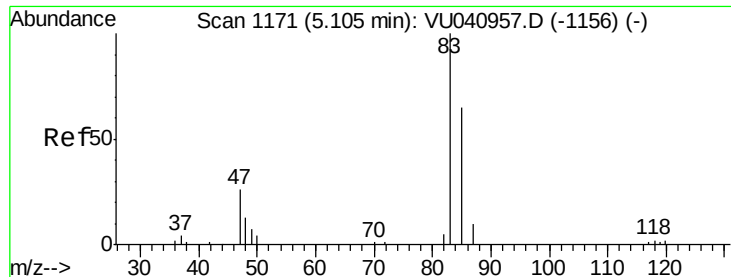
Abundance Ion 127.90 (127.60 to 128.60): VU040973.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU040973.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU040973.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU040973.D (-1043) (-)

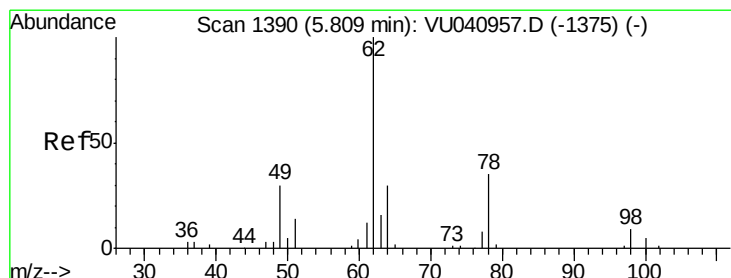
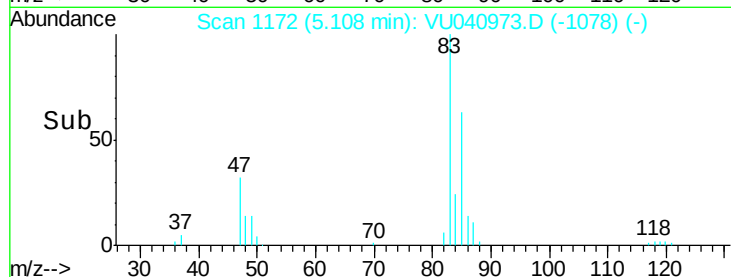
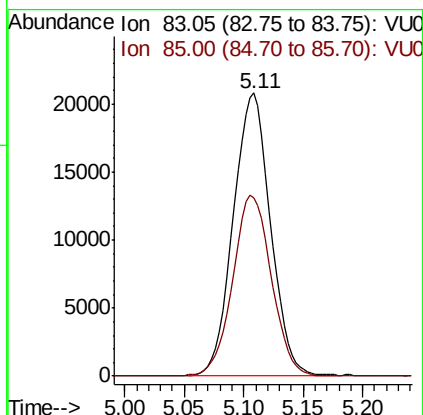
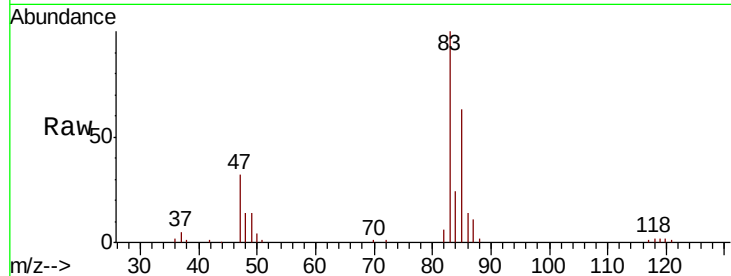




#25
Chloroform
Concen: 5.056 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040973.D
Acq: 27 Oct 2020 03:49

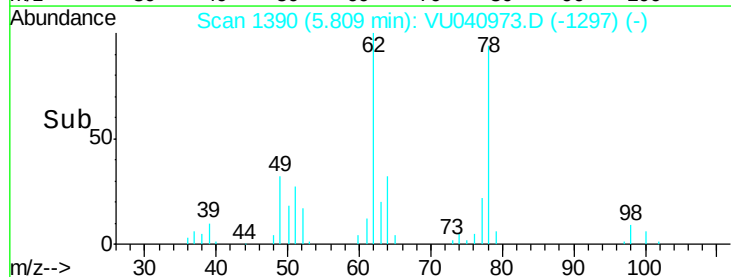
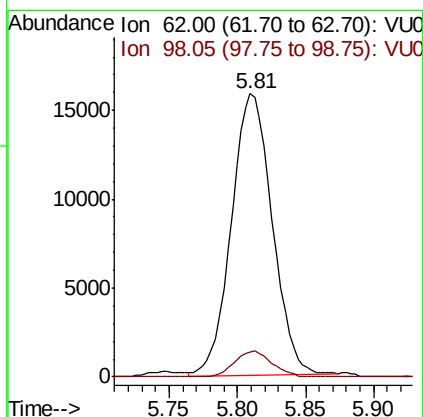
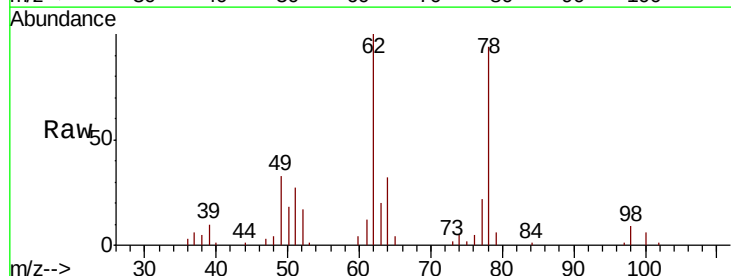
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

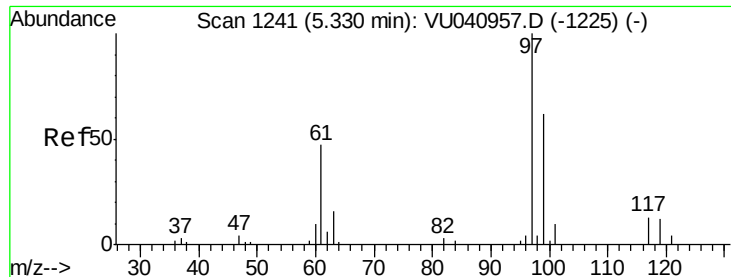
Tot Ion: 83 Resp: 45154
Ion Ratio Lower Upper
83 100
85 63.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.934 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040973.D
Acq: 27 Oct 2020 03:49

Tgt Ion: 62 Resp: 32818
Ion Ratio Lower Upper
62 100
98 8.9 7.6 11.4

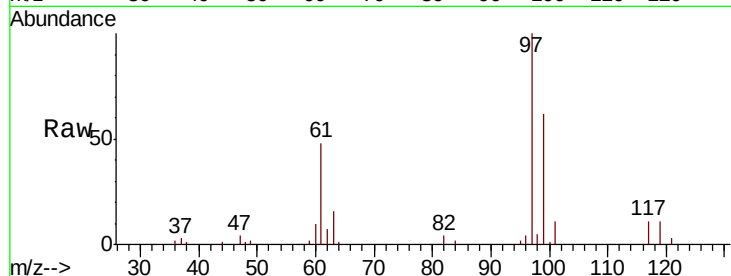




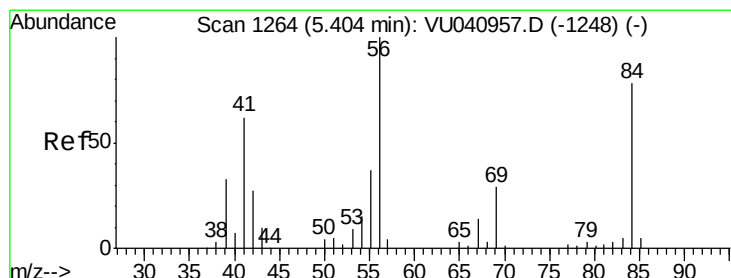
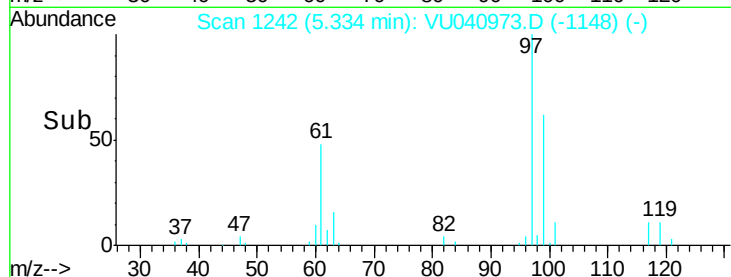
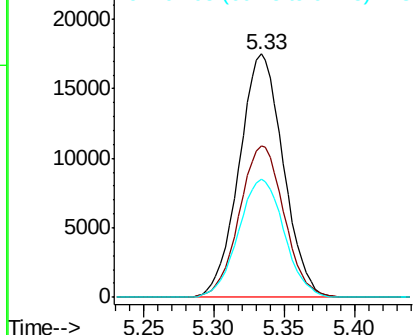
#29
 1,1,1-Trichloroethane
 Concen: 4.987 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion: 97 Resp: 38325
 Ion Ratio Lower Upper
 97 100
 99 63.1 53.4 80.0
 61 50.2 41.6 62.4

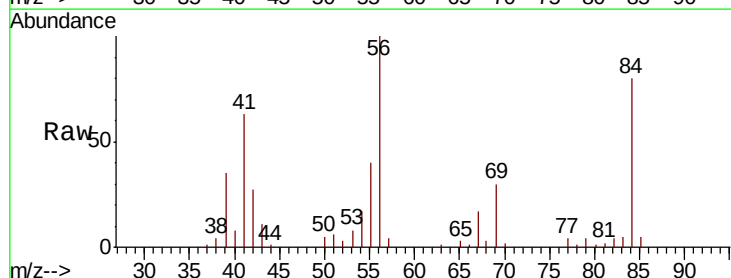


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

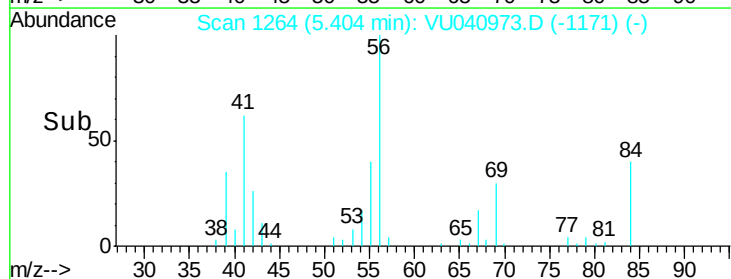
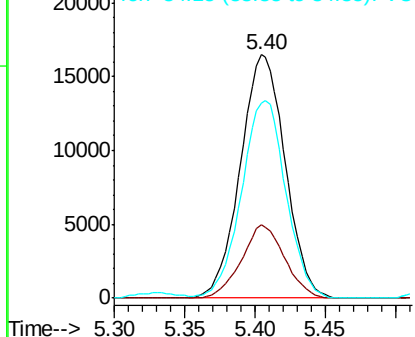


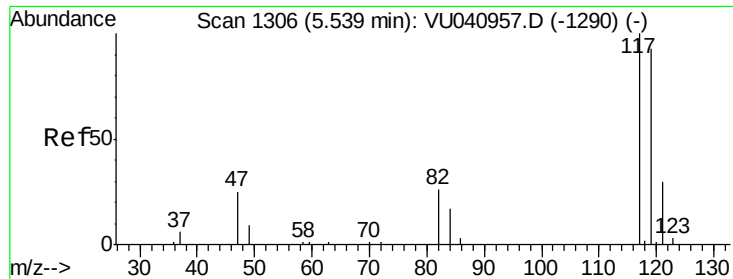
#30
 Cyclohexane
 Concen: 4.834 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

Tgt Ion: 56 Resp: 36602
 Ion Ratio Lower Upper
 56 100
 69 29.0 22.8 34.2
 84 80.6 63.6 95.4



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

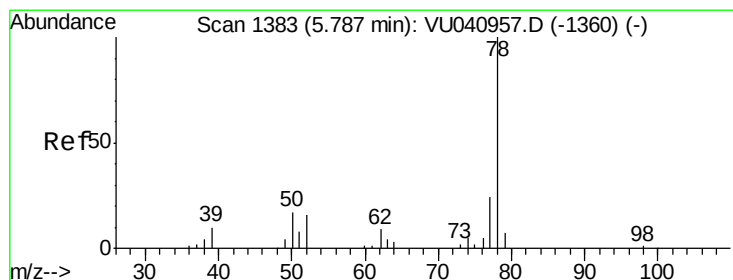
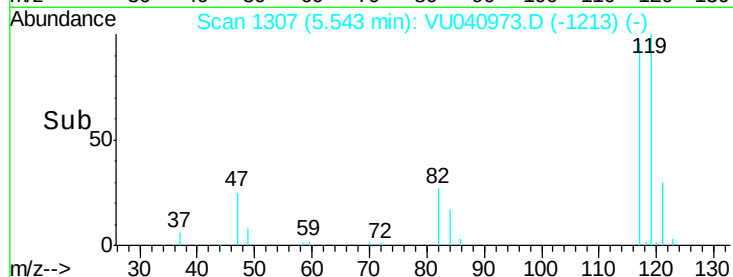
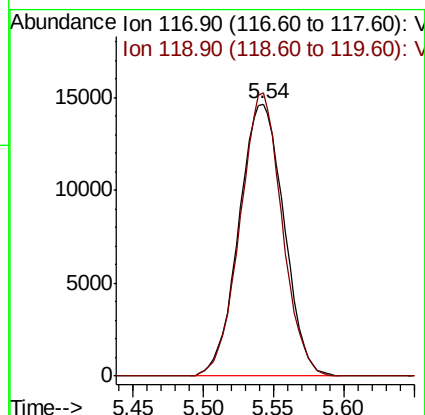
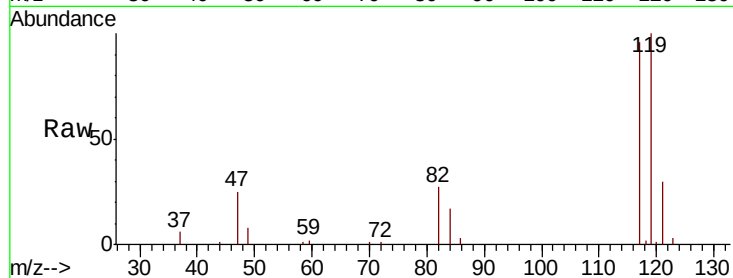




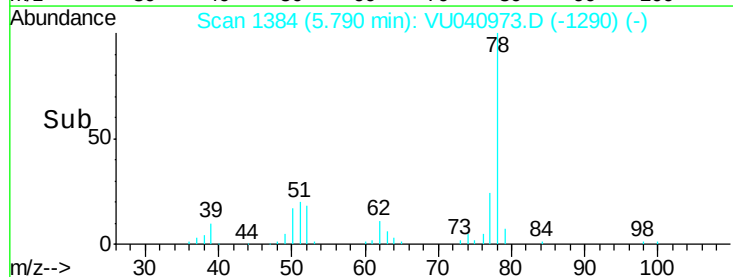
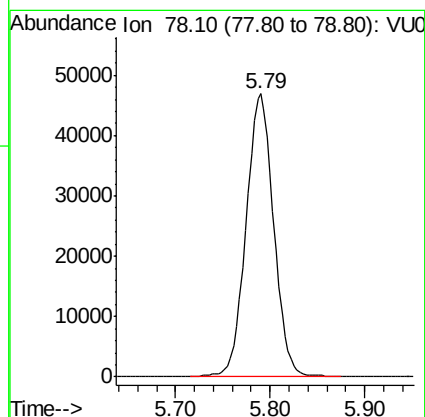
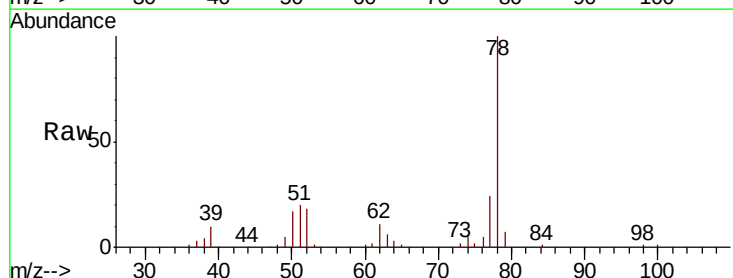
#31
Carbon tetrachloride
Concen: 4.818 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU040973.D
Acq: 27 Oct 2020 03:49

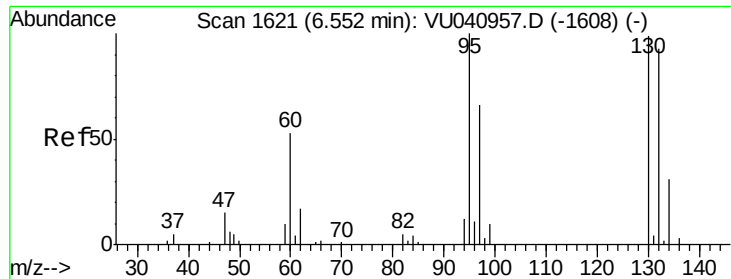
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion:117 Resp: 32786
Ion Ratio Lower Upper
117 100
119 96.7 76.1 114.1



#33
Benzene
Concen: 5.061 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040973.D
Acq: 27 Oct 2020 03:49
Tgt Ion: 78 Resp: 95025

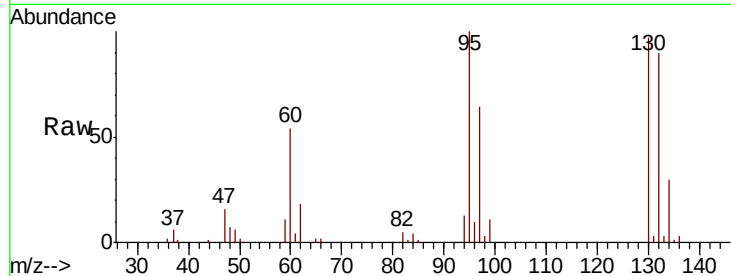




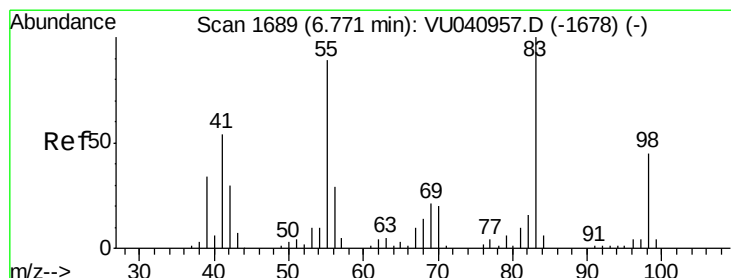
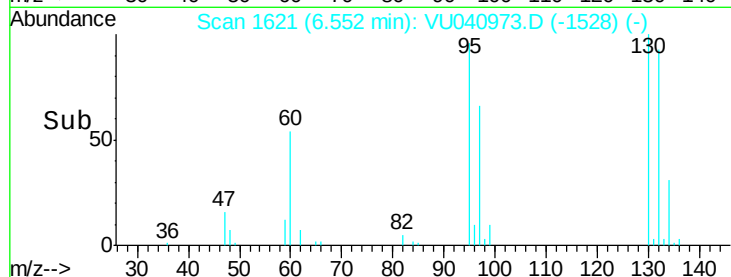
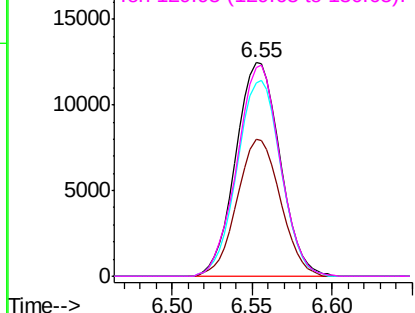
#34
 Trichloroethene
 Concen: 4.930 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:	95	Resp:	23558
Ion	Ratio	Lower	Upper
95	100		
97	63.9	45.6	84.6
132	90.4	64.8	120.4
130	97.4	64.8	120.4

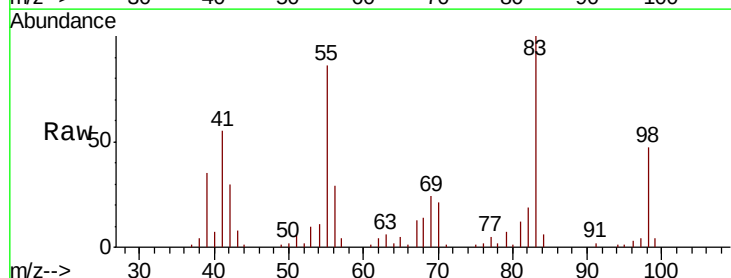


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

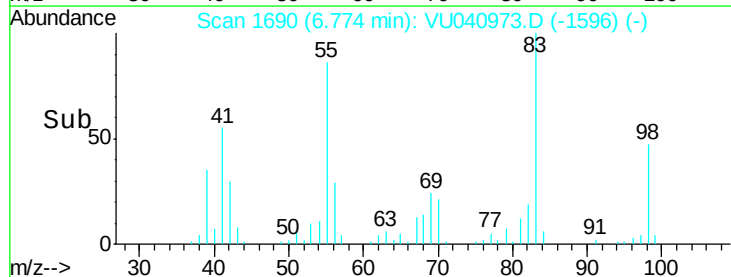
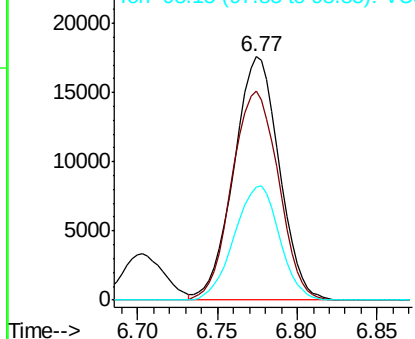


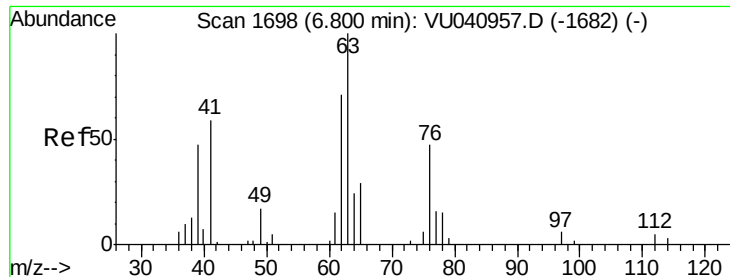
#35
 Methylcyclohexane
 Concen: 4.796 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

Tgt Ion:	83	Resp:	34182
Ion	Ratio	Lower	Upper
83	100		
55	87.8	72.0	108.0
98	46.7	36.6	55.0



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

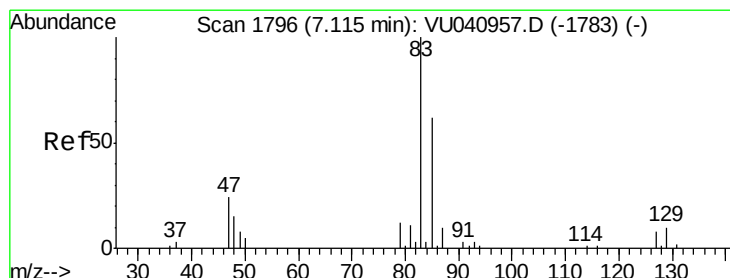
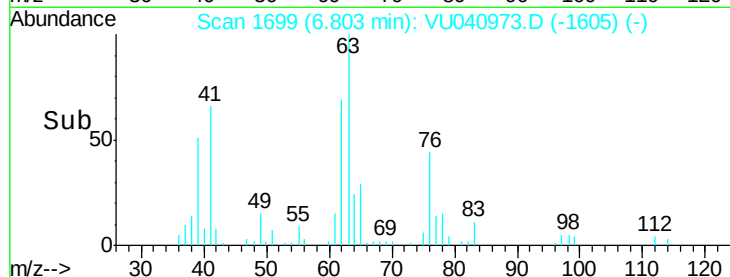
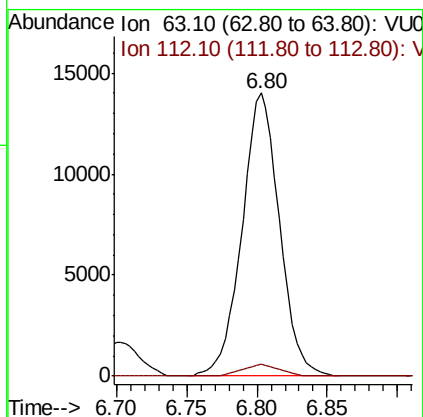
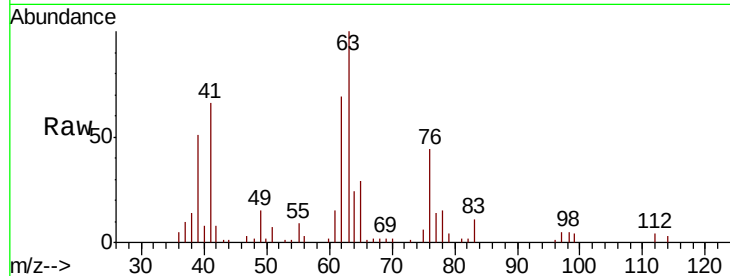




#37
 1,2-Dichloropropane
 Concen: 5.139 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

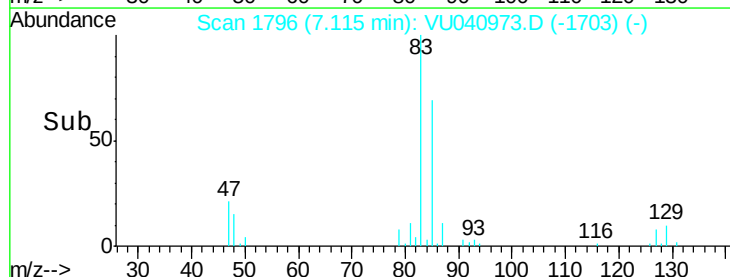
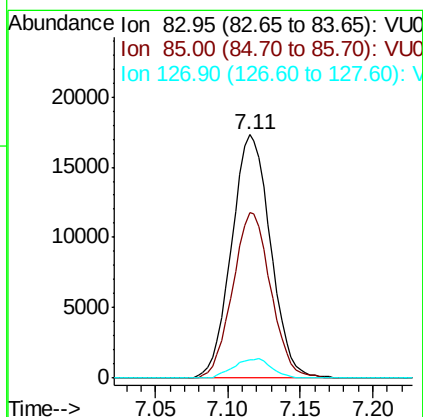
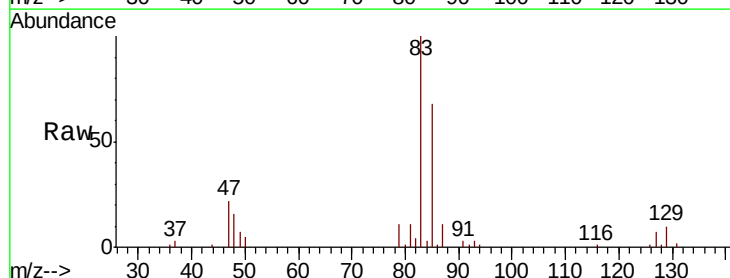
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

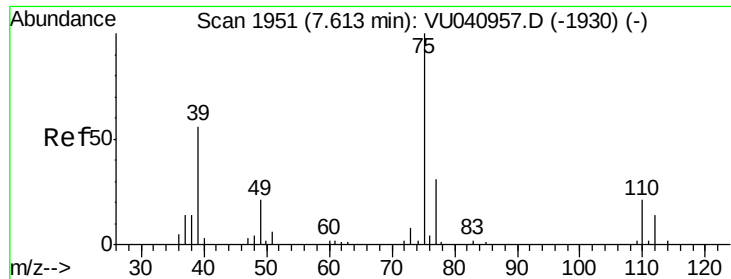
Tot Ion: 63 Resp: 26111
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.905 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

Tgt Ion: 83 Resp: 32324
 Ion Ratio Lower Upper
 83 100
 85 67.8 43.3 80.3
 127 7.5 5.9 8.9

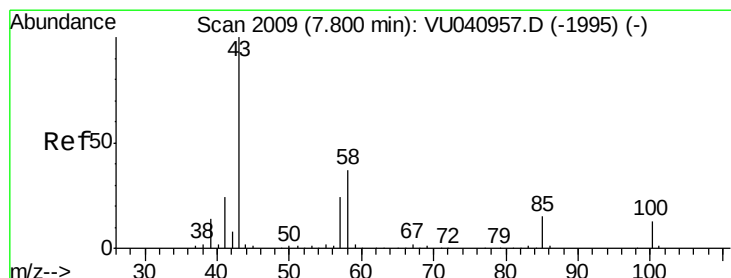
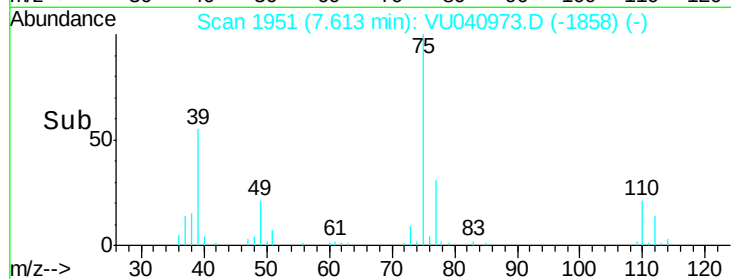
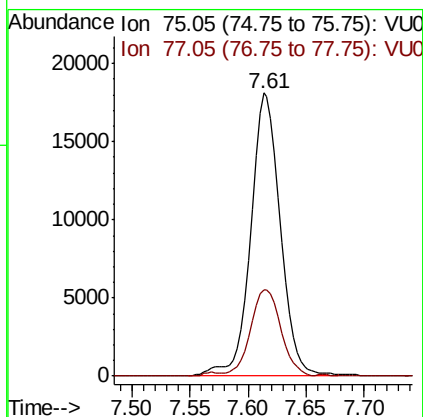
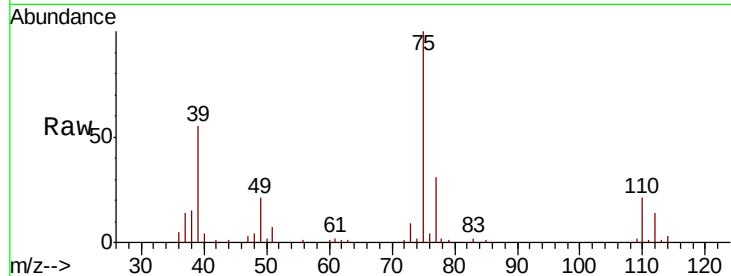




#39
 cis-1,3-Dichloropropene
 Concen: 4.640 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

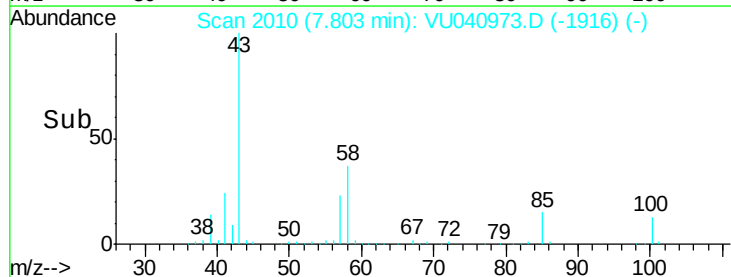
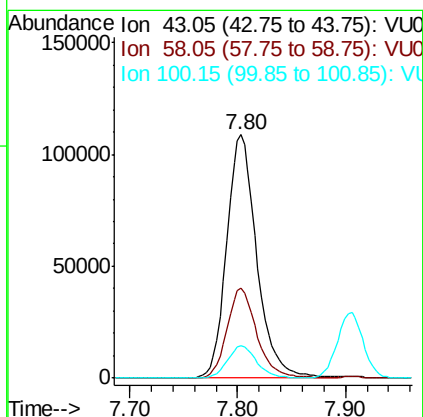
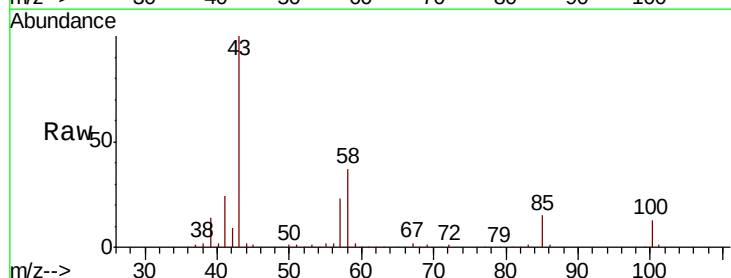
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

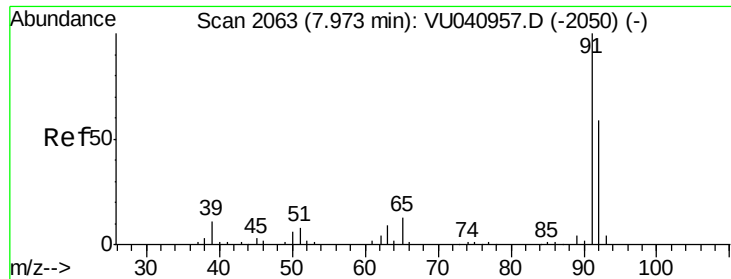
Tot Ion: 75 Resp: 32459
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 52.384 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

Tgt Ion: 43 Resp: 212203
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.8 44.6
 100 12.9 10.5 15.7





#42

Toluene

Concen: 5.105 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

Instrument :

MSVOA_U

ClientSampleId :

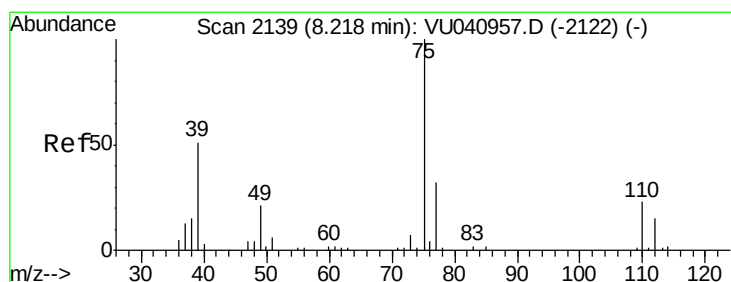
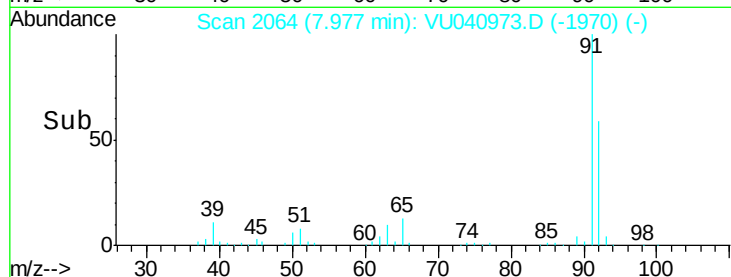
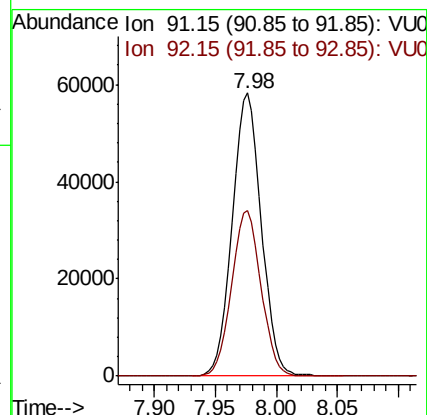
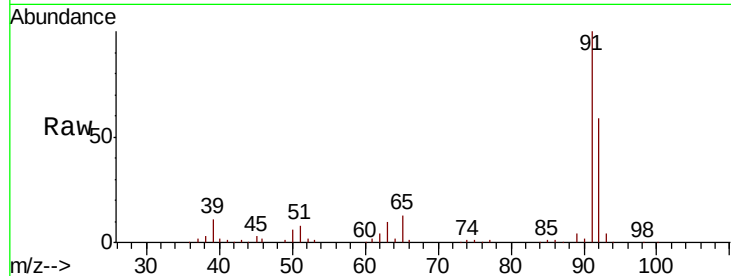
VSTD00527

Tot Ion: 91 Resp: 97192

Ion Ratio Lower Upper

91 100

92 58.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 4.738 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040973.D

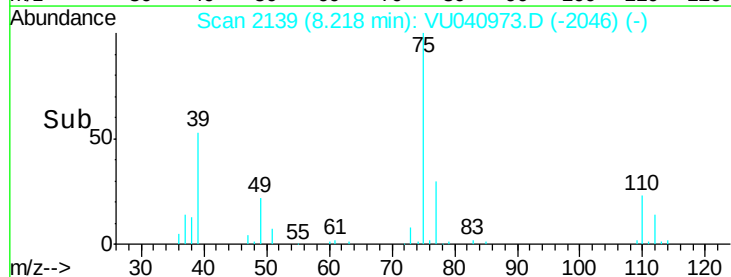
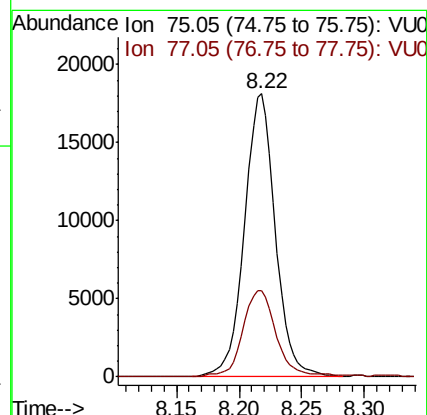
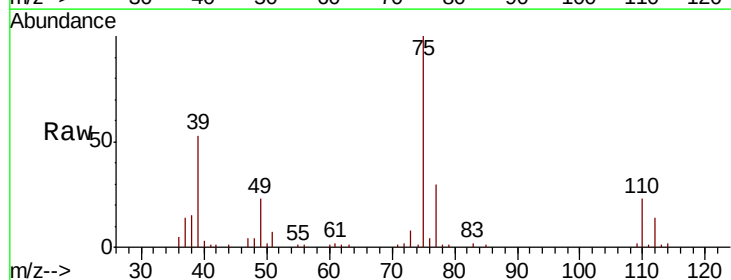
Acq: 27 Oct 2020 03:49

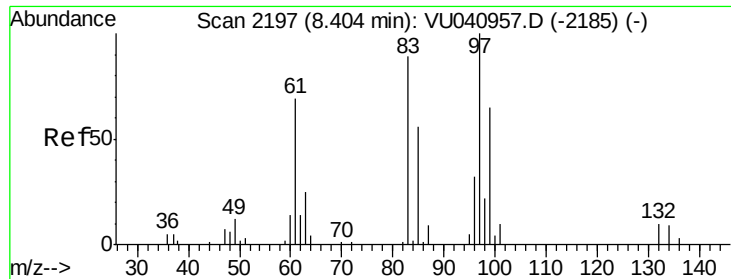
Tgt Ion: 75 Resp: 31020

Ion Ratio Lower Upper

75 100

77 30.4 23.3 43.3

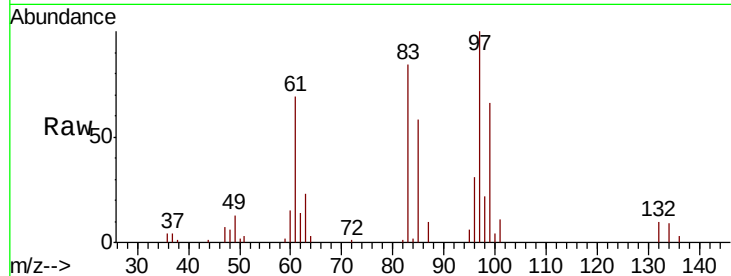




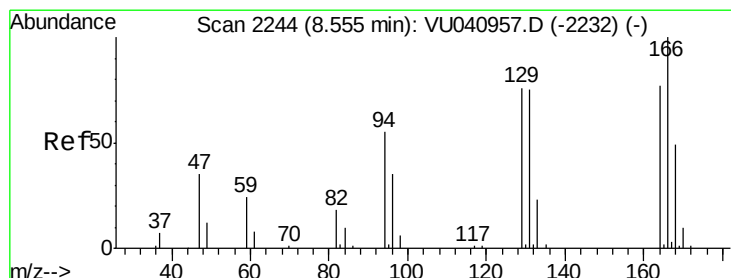
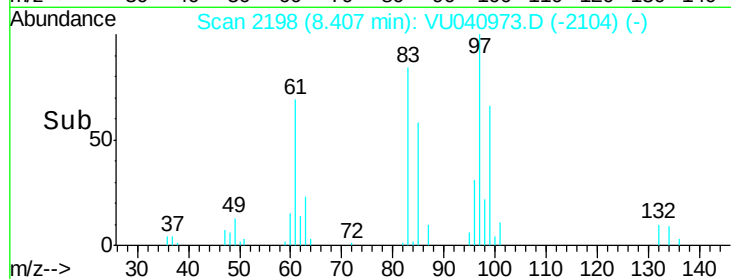
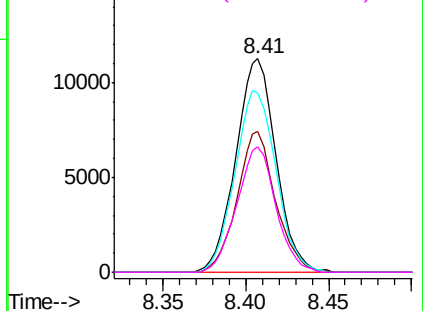
#45
 1,1,2-Trichloroethane
 Concen: 5.014 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:	97	Resp:	18963
Ion	Ratio	Lower	Upper
97	100		
99	65.8	45.8	85.2
83	84.1	67.9	126.1
85	58.5	42.8	79.6

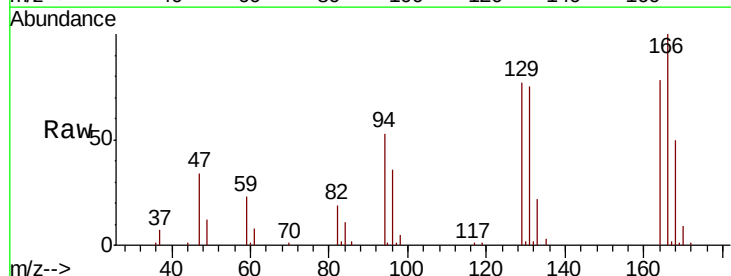


Abundance Ion 96.95 (96.65 to 97.65): VU040973.D (-2197) (-)
 Ion 99.05 (98.75 to 99.75): VU040973.D (-2197) (-)
 Ion 82.95 (82.65 to 83.65): VU040973.D (-2197) (-)
 Ion 85.00 (84.70 to 85.70): VU040973.D (-2197) (-)

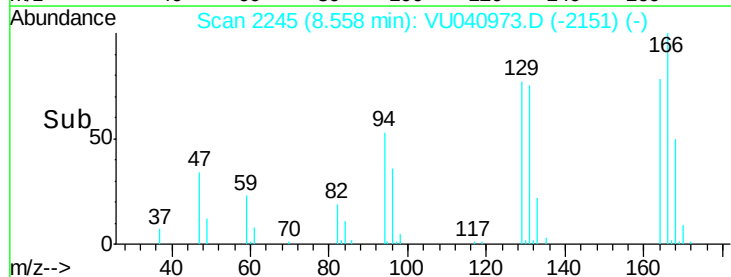
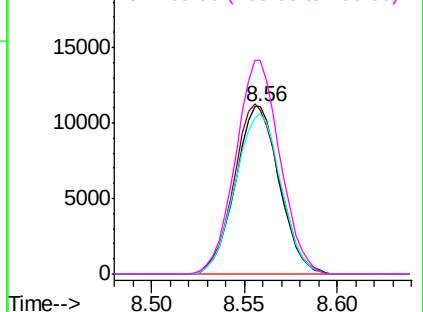


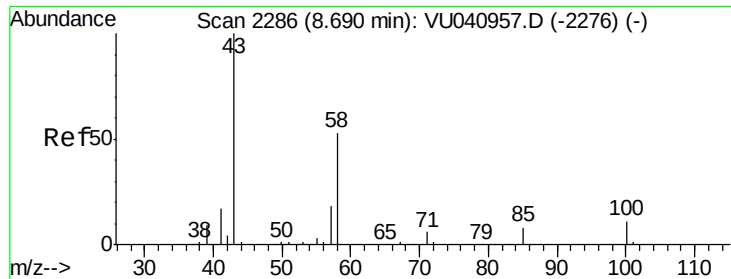
#47
 Tetrachloroethene
 Concen: 5.203 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

Tgt Ion:	164	Resp:	18282
Ion	Ratio	Lower	Upper
164	100		
129	98.1	70.3	130.7
131	96.0	70.8	131.4
166	127.7	92.0	170.8



Abundance Ion 163.90 (163.60 to 164.60): VU040973.D (-2244) (-)
 Ion 128.95 (128.65 to 129.65): VU040973.D (-2244) (-)
 Ion 130.95 (130.65 to 131.65): VU040973.D (-2244) (-)
 Ion 165.90 (165.60 to 166.60): VU040973.D (-2244) (-)

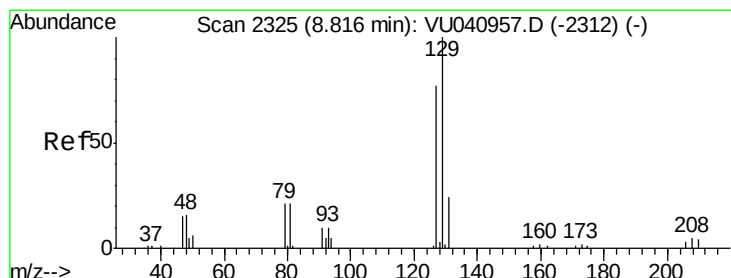
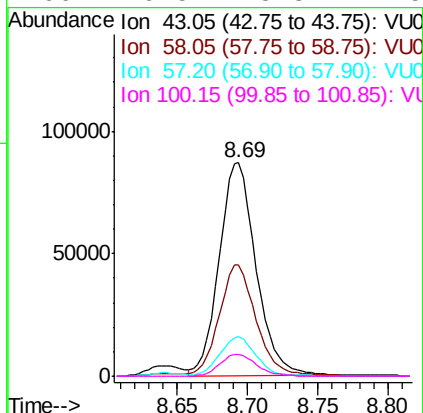
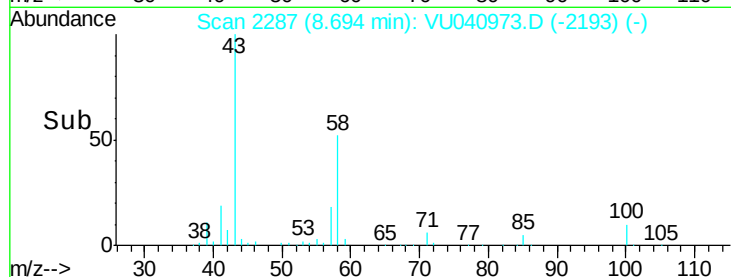
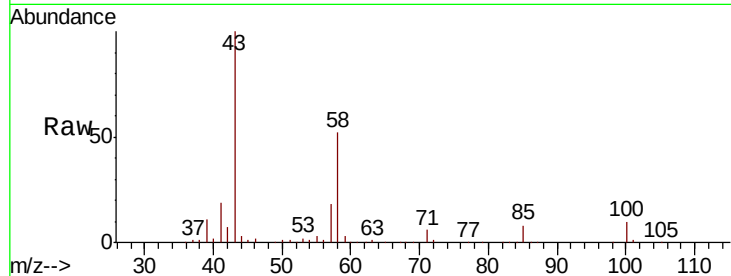




#48
2-Hexanone
Concen: 51.762 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU040973.D
Acq: 27 Oct 2020 03:49

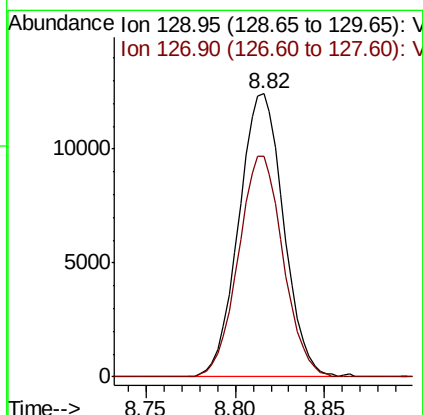
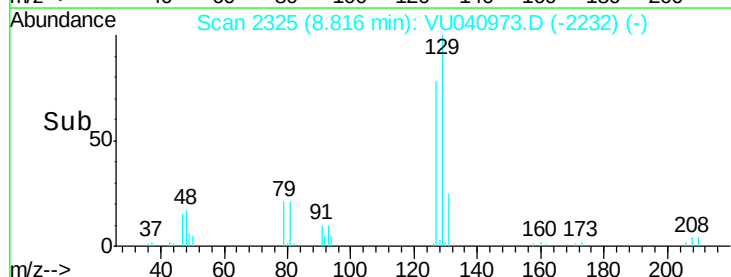
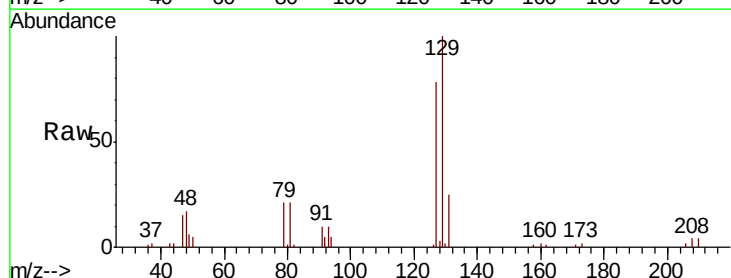
Instrument :
MSVOA_U
ClientSampled :
VSTD00527

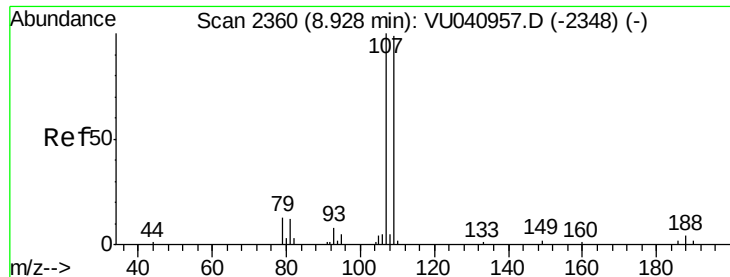
Tot Ion: 43 Resp: 157886
Ion Ratio Lower Upper
43 100
58 52.4 41.4 62.2
57 18.7 14.6 21.8
100 10.5 8.3 12.5



#49
Dibromochloromethane
Concen: 4.954 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040973.D
Acq: 27 Oct 2020 03:49

Tgt Ion:129 Resp: 21759
Ion Ratio Lower Upper
129 100
127 78.1 53.4 99.2

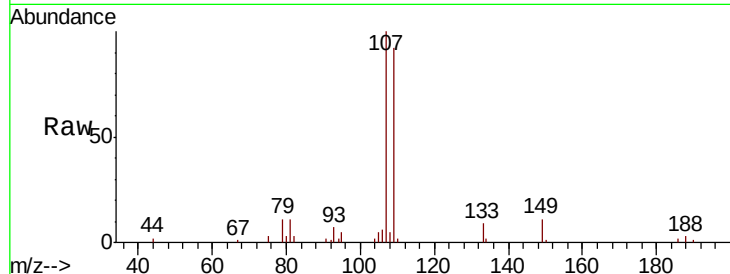




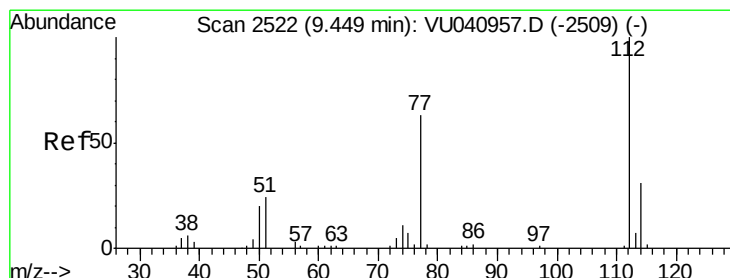
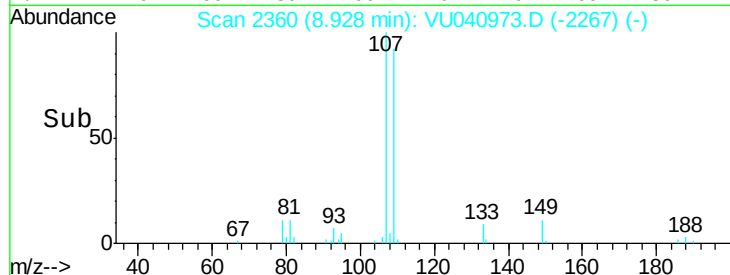
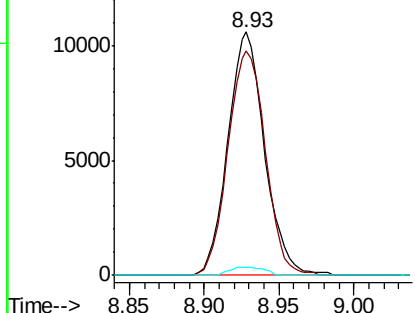
#50
 1,2-Dibromoethane
 Concen: 5.007 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:107 Resp: 18046
 Ion Ratio Lower Upper
 107 100
 109 92.2 65.6 121.8
 188 3.5 2.9 4.3

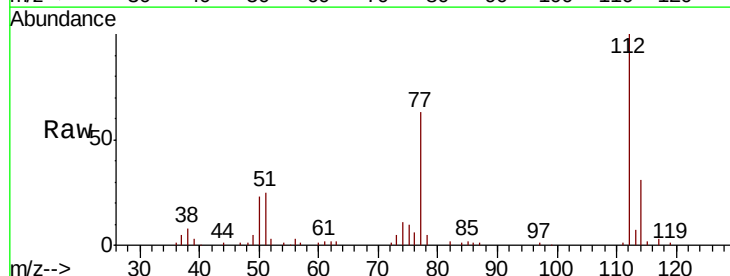


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

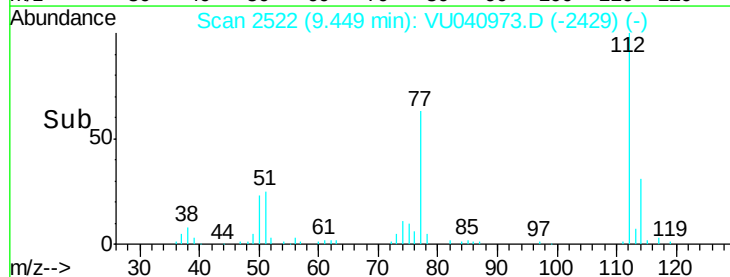
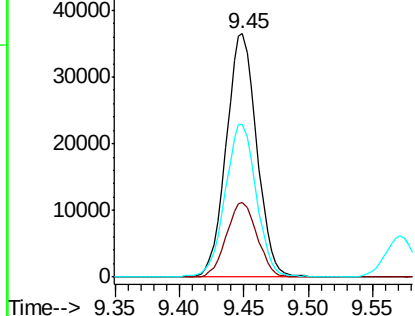


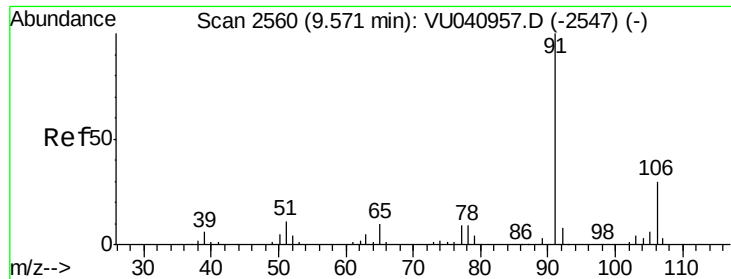
#51
 Chlorobenzene
 Concen: 4.967 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

Tgt Ion:112 Resp: 59970
 Ion Ratio Lower Upper
 112 100
 114 30.9 22.4 41.6
 77 62.5 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: 4.954 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

Instrument :

MSVOA_U

ClientSampleId :

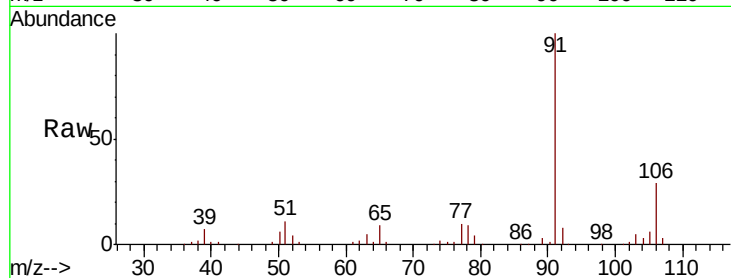
VSTD00527

Tot Ion: 91 Resp: 99279

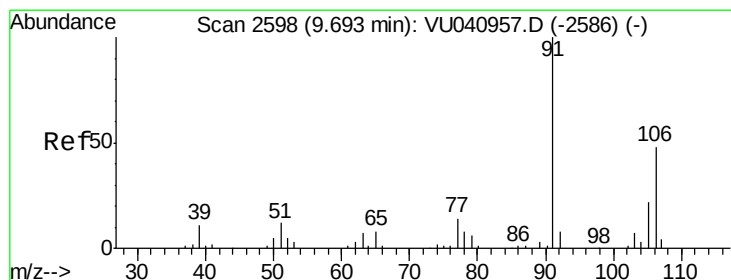
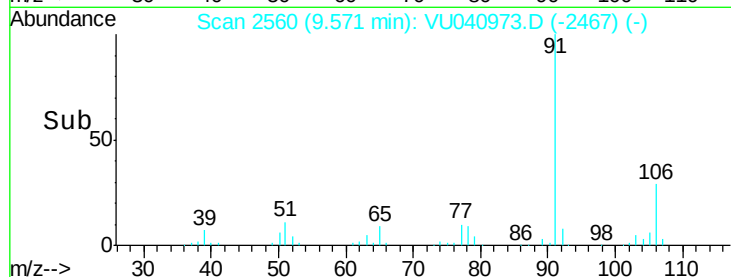
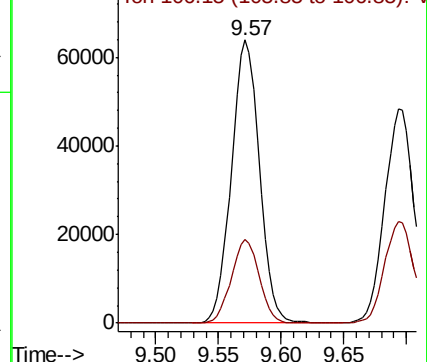
Ion Ratio Lower Upper

91 100

106 29.4 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040973.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.130 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040973.D

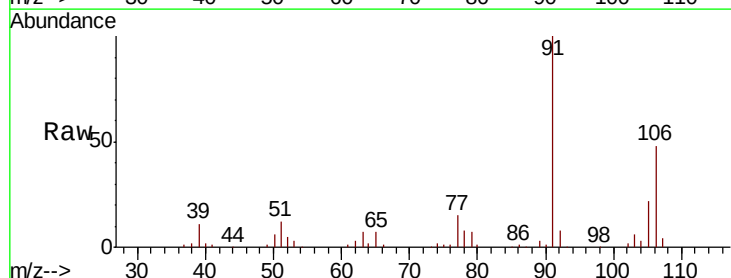
Acq: 27 Oct 2020 03:49

Tgt Ion: 106 Resp: 37497

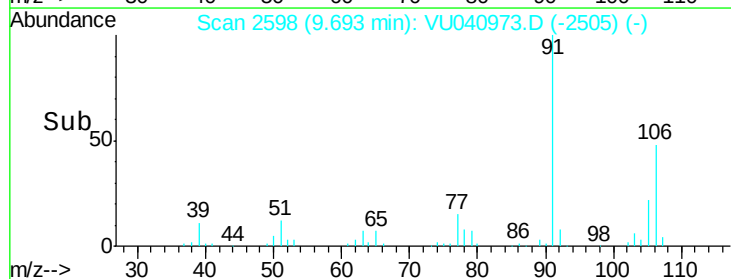
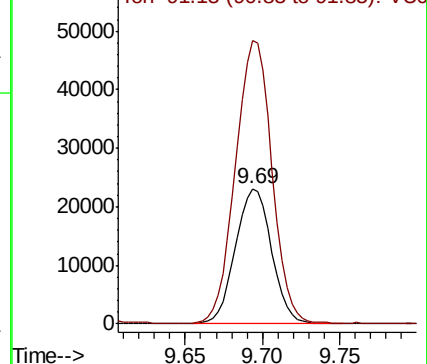
Ion Ratio Lower Upper

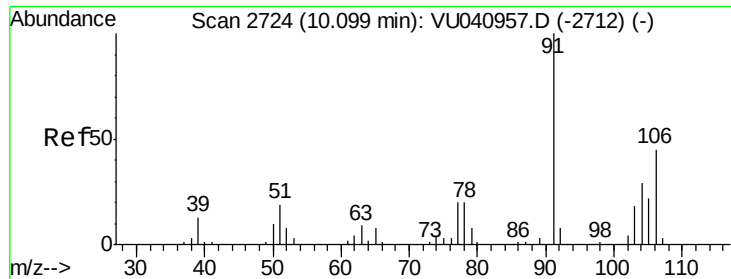
106 100

91 209.7 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU040973.D (-2598) (-)

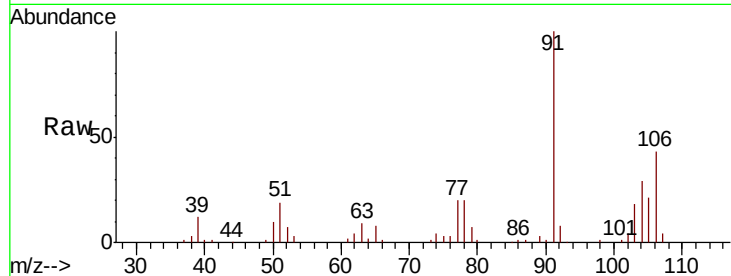




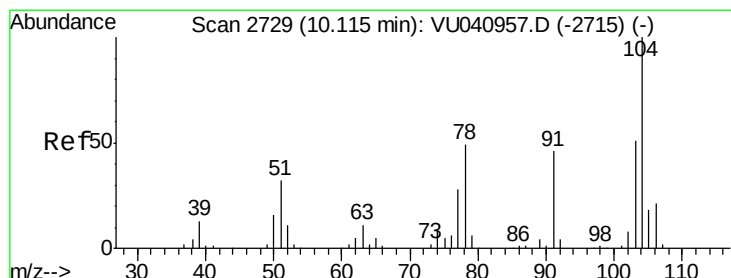
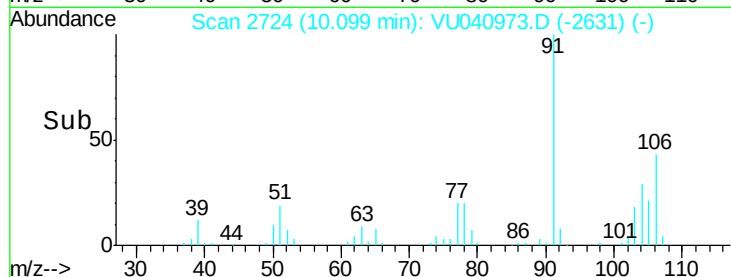
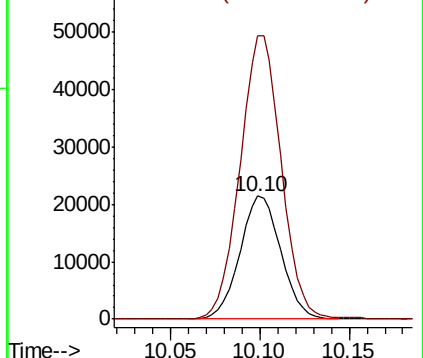
#54
o-Xylene
Concen: 5.063 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU040973.D
Acq: 27 Oct 2020 03:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion:106 Resp: 34466
Ion Ratio Lower Upper
106 100
91 230.5 154.3 286.5

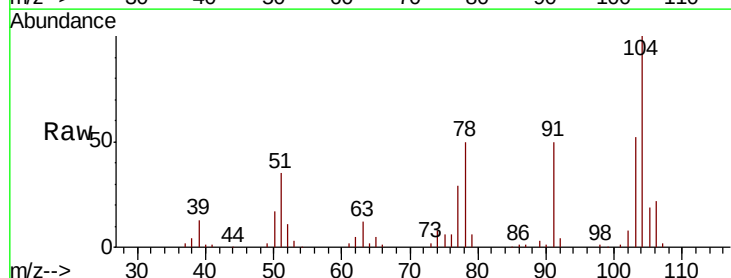


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

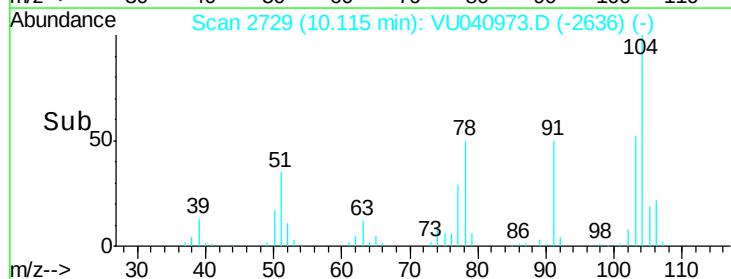
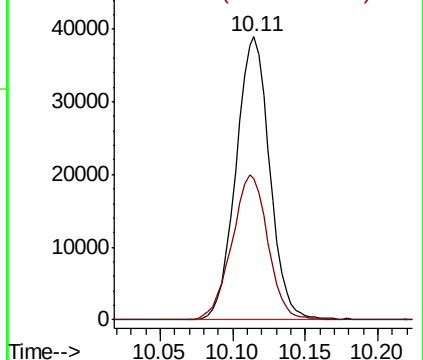


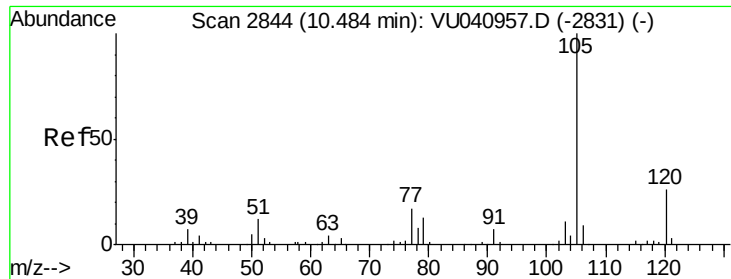
#55
Styrene
Concen: 5.188 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040973.D
Acq: 27 Oct 2020 03:49

Tgt Ion:104 Resp: 62921
Ion Ratio Lower Upper
104 100
78 50.0 35.5 65.9



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





#56

Isopropylbenzene

Concen: 5.071 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

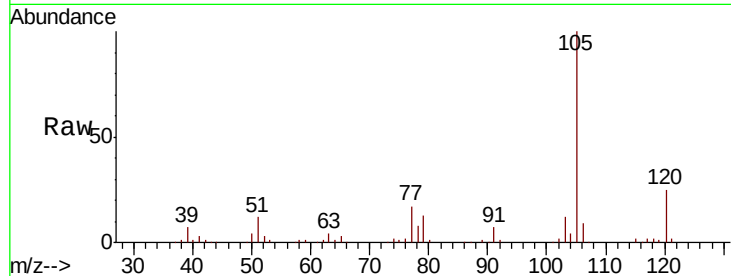
Tot Ion:105 Resp: 92820

Ion Ratio Lower Upper

105 100

120 25.2 20.7 31.1

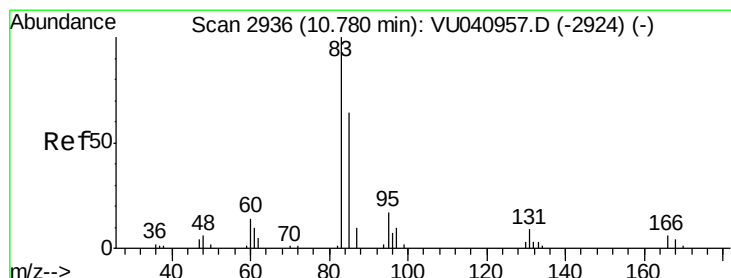
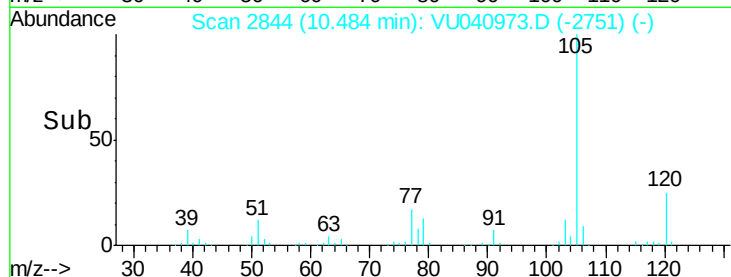
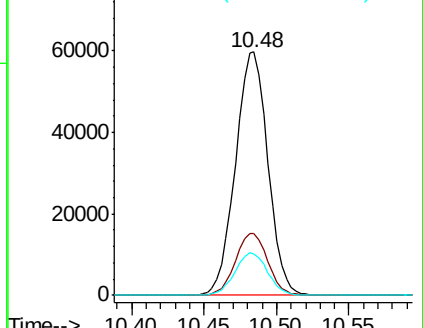
77 17.7 13.8 20.6



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: 4.977 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

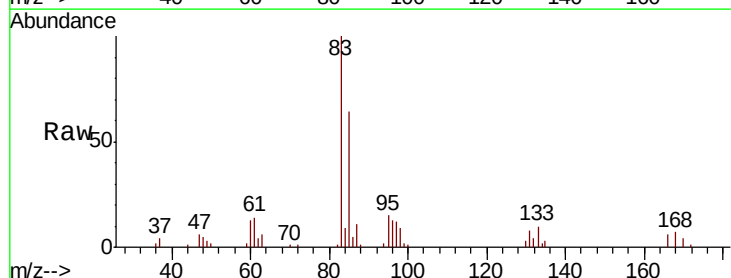
Tgt Ion: 83 Resp: 24722

Ion Ratio Lower Upper

83 100

85 64.4 44.4 82.4

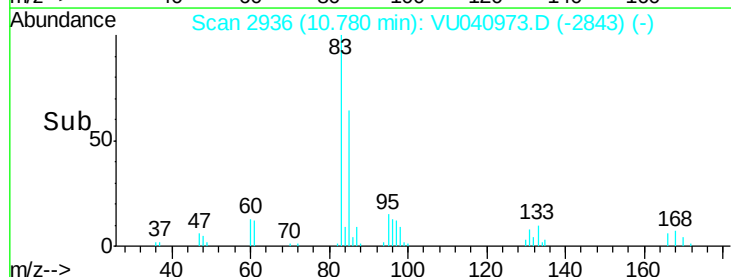
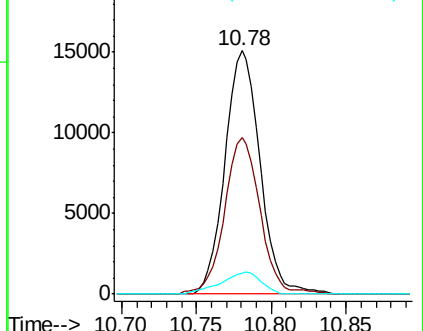
131 8.4 7.7 11.5

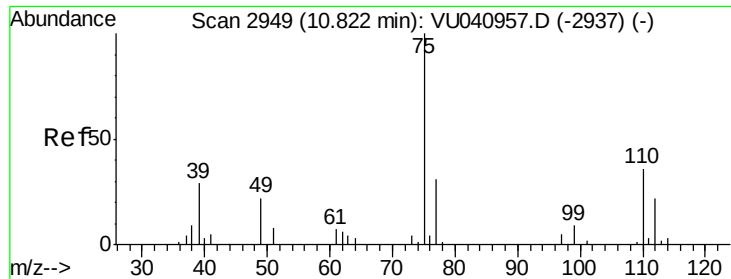


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

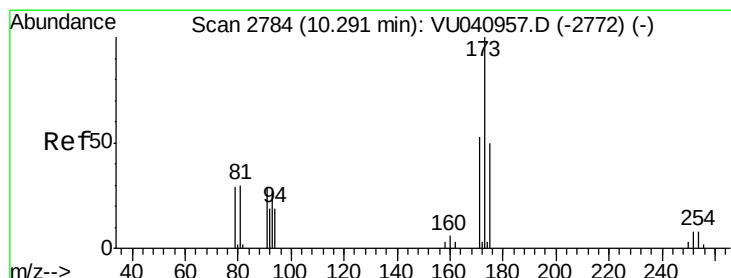
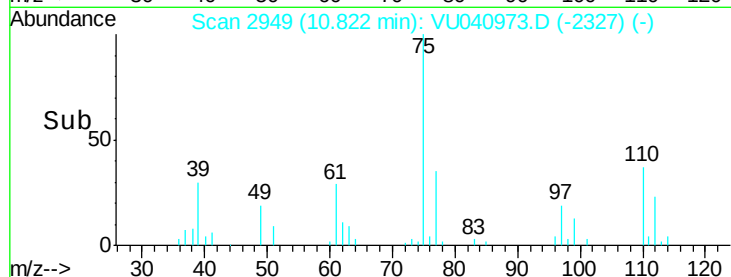
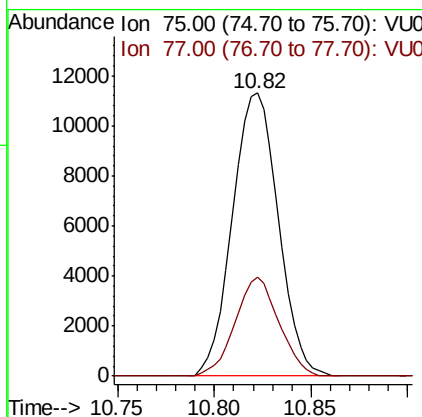
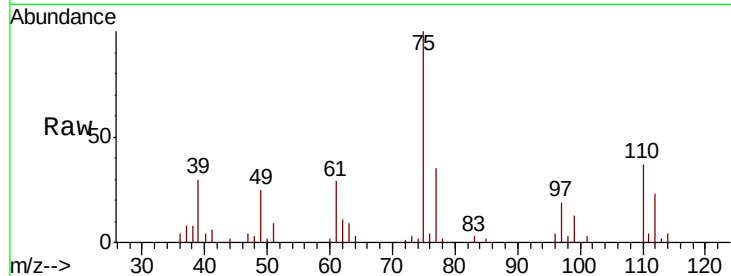




#59
 1,2,3-Trichloropropane
 Concen: 4.936 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

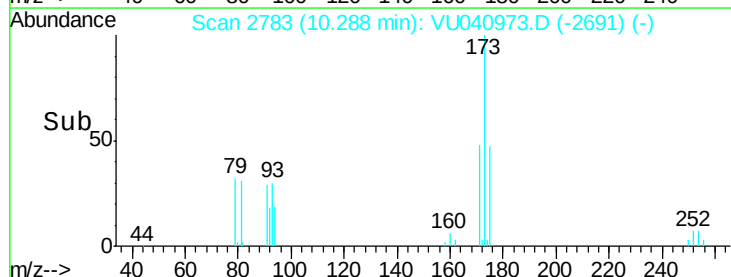
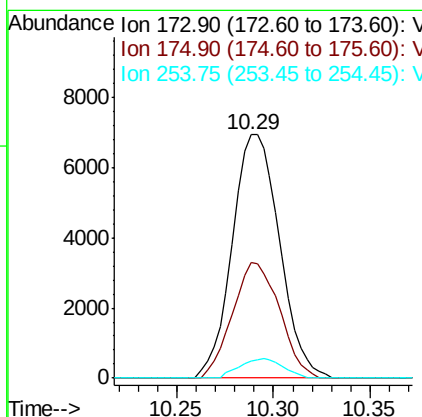
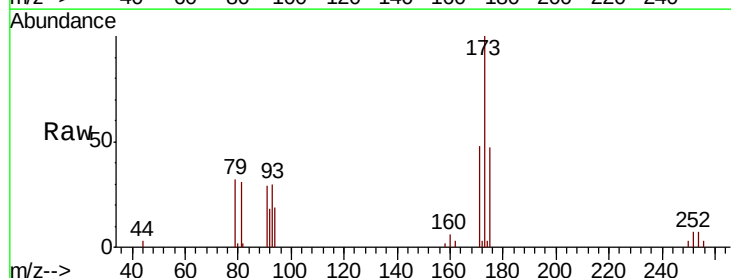
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

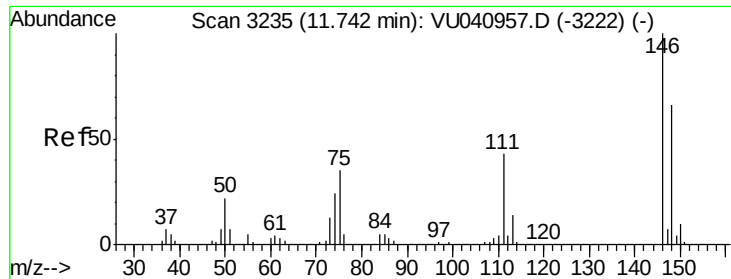
Tot Ion: 75 Resp: 18692
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.7 38.5



#61
 Bromoform
 Concen: 4.824 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

Tgt Ion: 173 Resp: 11798
 Ion Ratio Lower Upper
 173 100
 175 47.3 37.6 56.4
 254 7.2 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 5.039 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

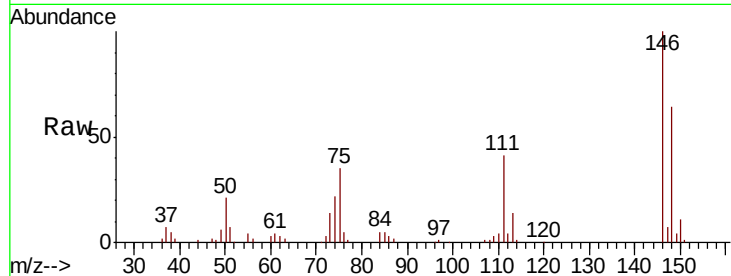
Tot Ion:146 Resp: 46161

Ion Ratio Lower Upper

146 100

111 41.4 30.9 57.3

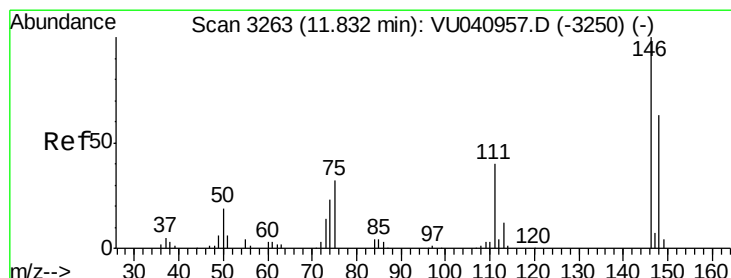
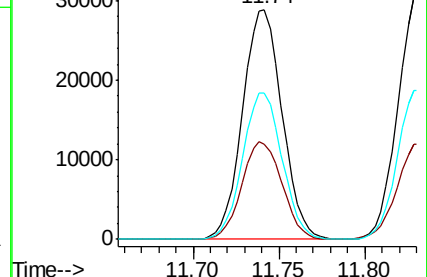
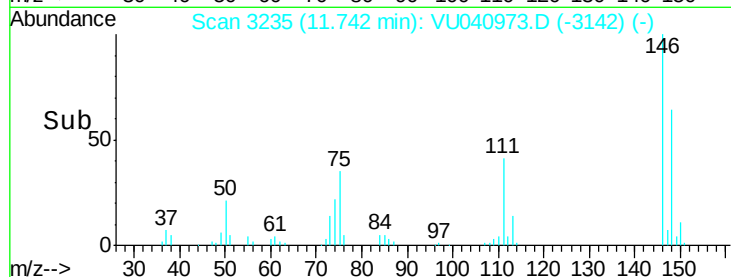
148 63.9 45.8 85.2



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: 4.986 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

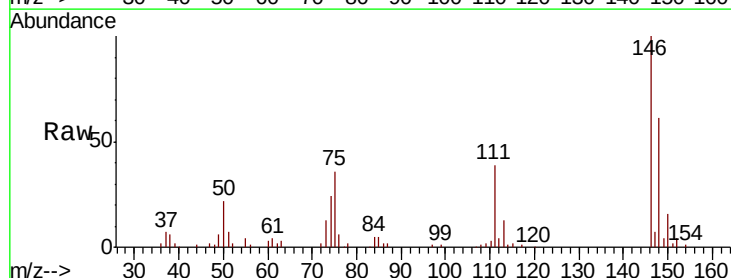
Tgt Ion:146 Resp: 47304

Ion Ratio Lower Upper

146 100

111 39.5 28.3 52.7

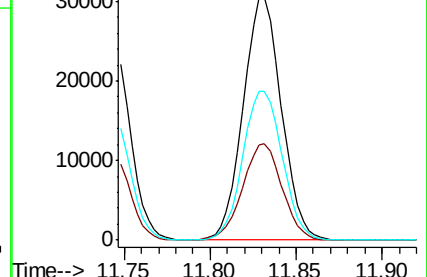
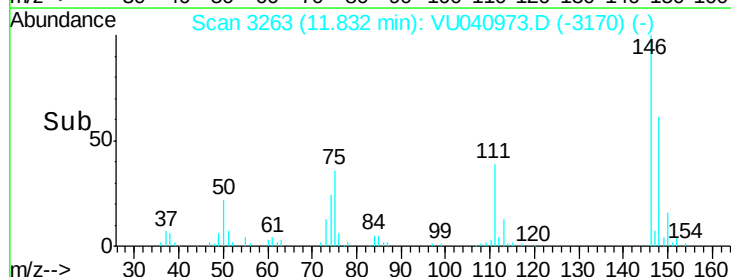
148 61.1 44.2 82.2

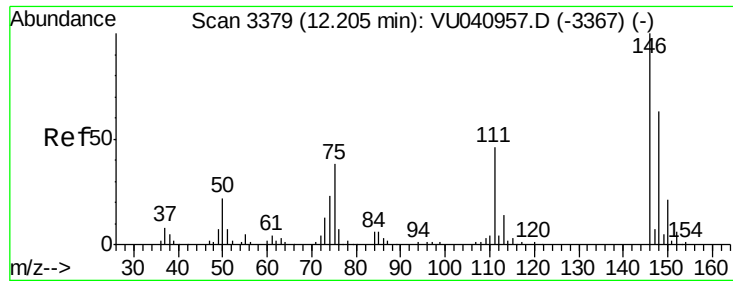


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.947 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

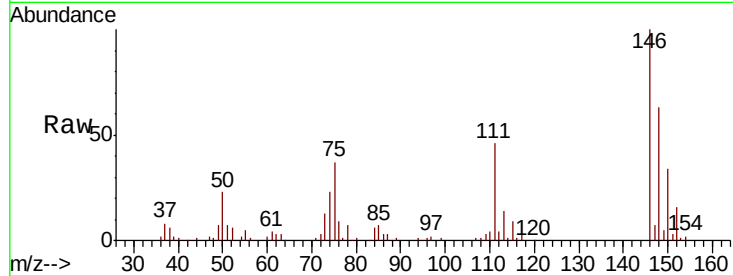
Tot Ion:146 Resp: 44722

Ion Ratio Lower Upper

146 100

111 46.1 35.0 52.6

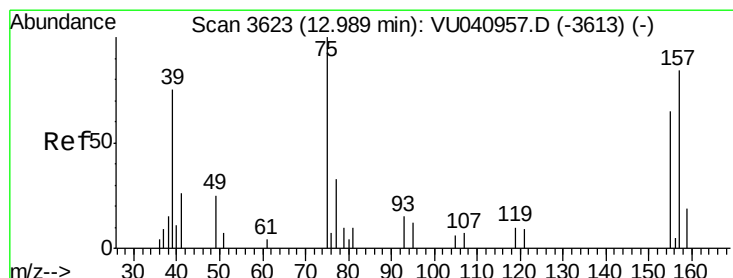
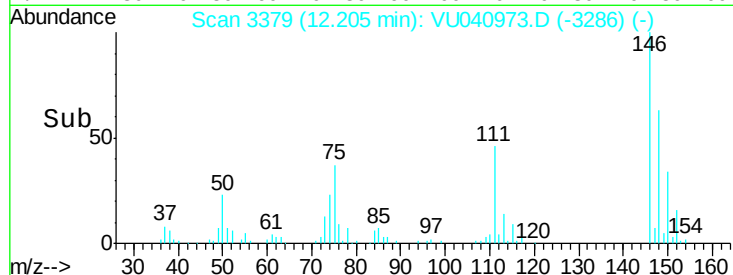
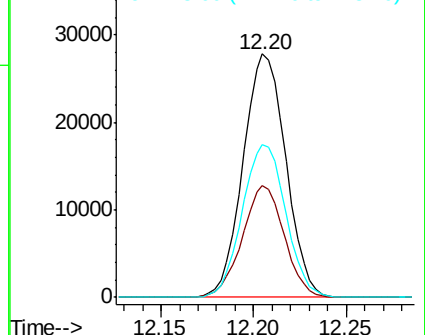
148 62.8 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.741 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

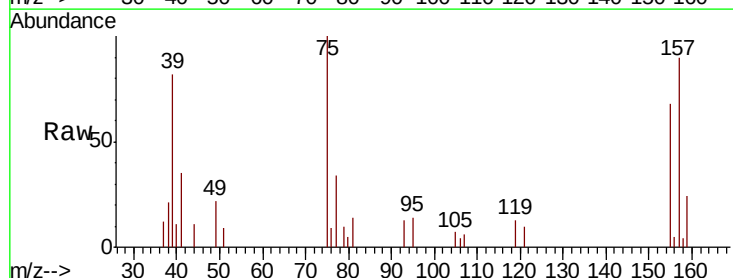
Tgt Ion: 75 Resp: 4200

Ion Ratio Lower Upper

75 100

155 68.3 61.4 92.2

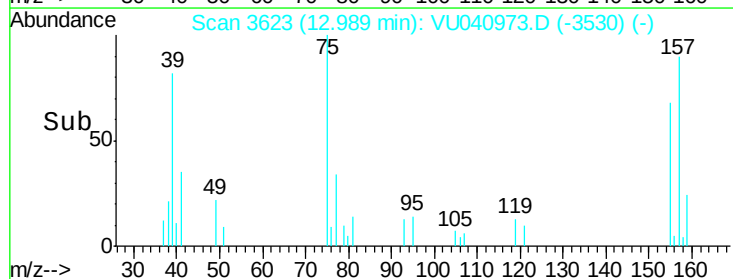
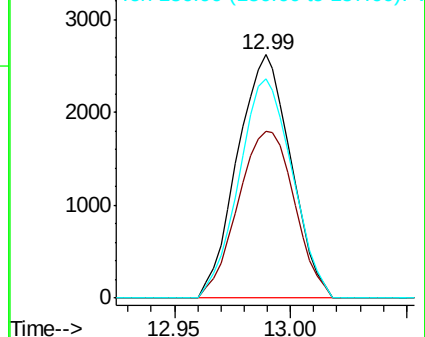
157 90.2 74.2 111.4

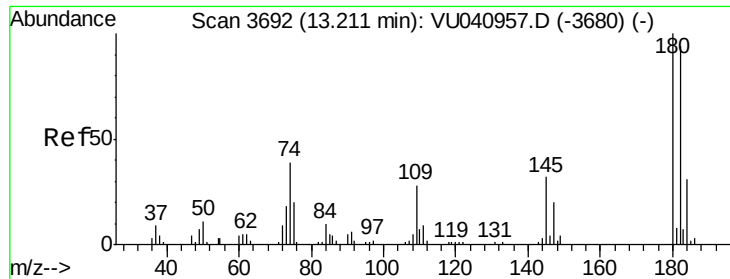


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

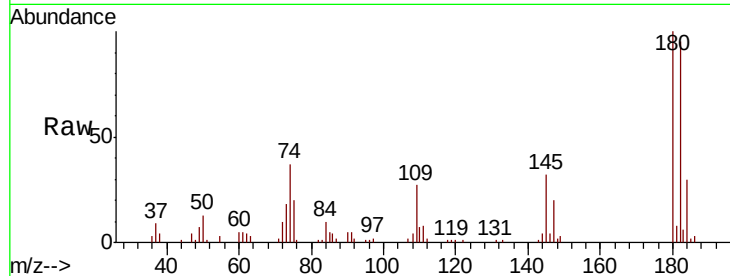




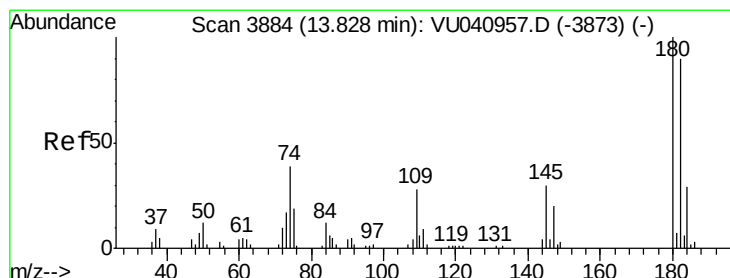
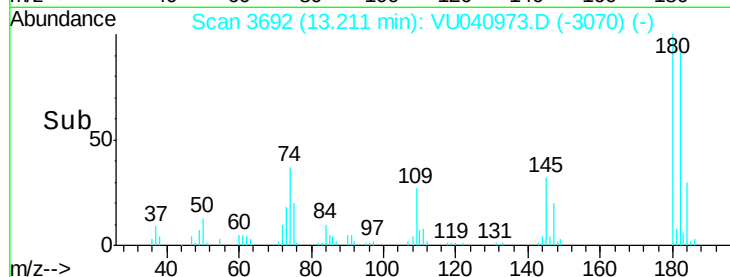
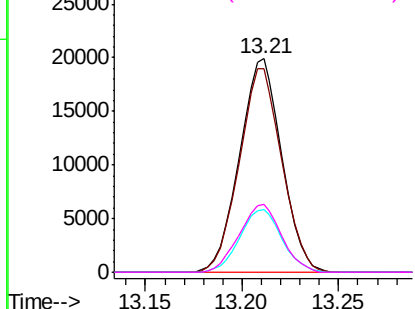
#67
 1,3,5-Trichlorobenzene
 Concen: 4.707 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:180 Resp: 30152
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.7 113.5
 184 29.6 23.7 35.5
 145 32.0 26.1 39.1

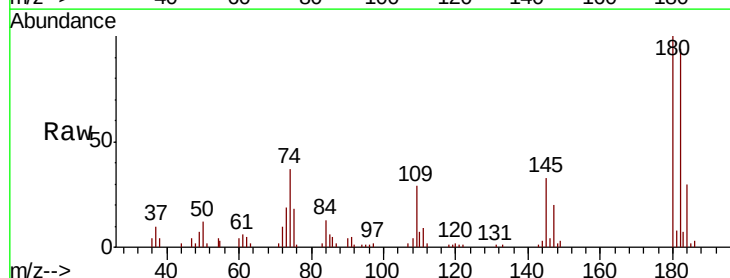


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

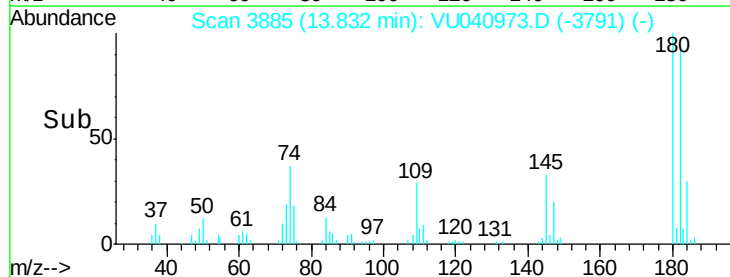
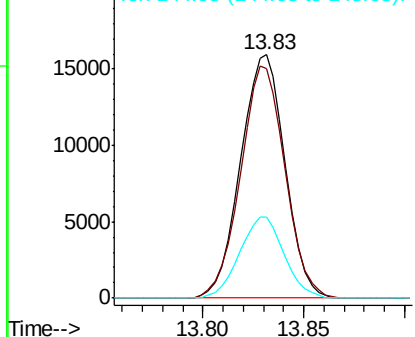


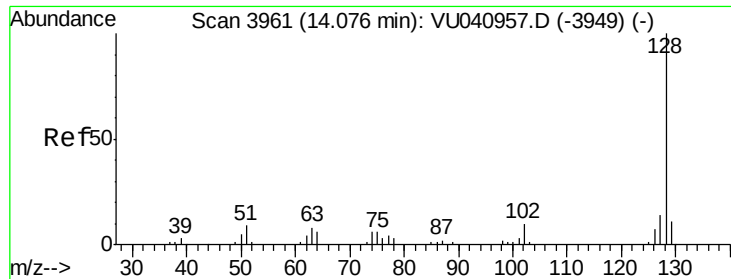
#68
 1,2,4-trichlorobenzene
 Concen: 4.628 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040973.D
 Acq: 27 Oct 2020 03:49

Tgt Ion:180 Resp: 24560
 Ion Ratio Lower Upper
 180 100
 182 95.5 73.5 110.3
 145 33.3 26.6 40.0



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





#69

Naphthalene

Concen: 4.871 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

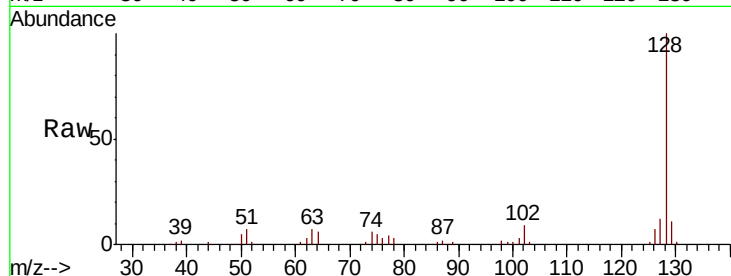
Tot Ion:128 Resp: 46225

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

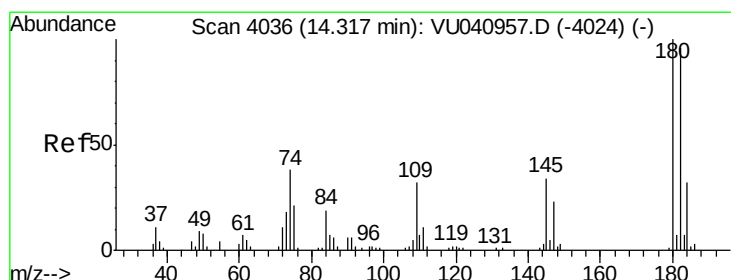
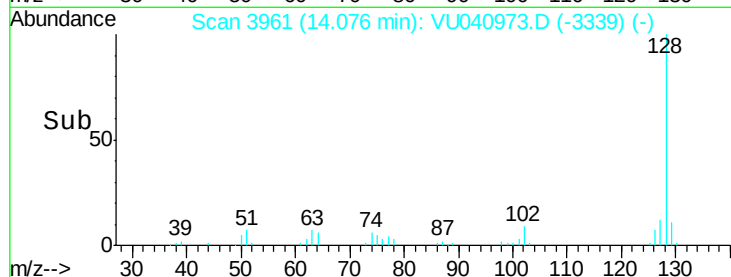
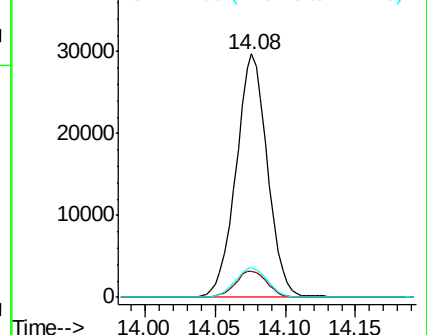
127 12.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.109 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040973.D

Acq: 27 Oct 2020 03:49

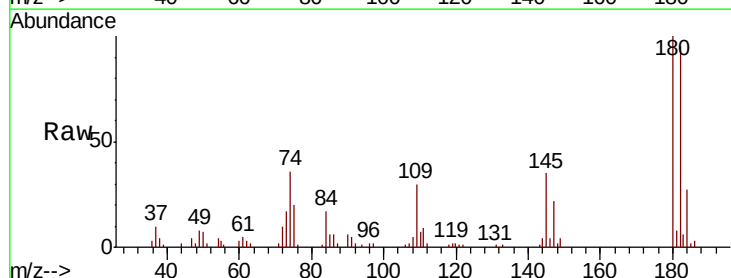
Tgt Ion:180 Resp: 24990

Ion Ratio Lower Upper

180 100

182 95.7 77.7 116.5

145 34.0 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

