

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
 Data File : VU040245.D
 Acq On : 21 Sep 2020 19:41
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Quant Time: Sep 22 07:17:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 22 07:07:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	122120	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119002	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59331	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37407	5.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.20%
7) Chloroethane-d5	1.92	69	32203	5.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.00%
11) 1,1-Dichloroethene-d2	2.58	63	91990	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.60%
20) 2-Butanone-d5	4.66	46	166760	62.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.06%
24) Chloroform-d	5.08	84	85846	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
26) 1,2-Dichloroethane-d4	5.72	65	51565	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.74	84	156976	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.00%
36) 1,2-Dichloropropane-d6	6.70	67	49421	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.00%
41) Toluene-d8	7.90	98	144063	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.80%
43) trans-1,3-Dichloropropene-	8.19	79	22212	5.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.60%
46) 2-Hexanone-d5	8.64	63	125795	63.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.26%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48373	6.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	122.20%#
64) 1,2-Dichlorobenzene-d4	12.19	152	54485	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	55390	4.570 ug/L	99
3) Chloromethane	1.53	50	46716	4.026 ug/L	98
5) Vinyl chloride	1.61	62	51758	4.400 ug/L	96
6) Bromomethane	1.87	94	23249	3.867 ug/L	87
8) Chloroethane	1.94	64	30767	4.352 ug/L	99
9) Trichlorofluoromethane	2.15	101	79792	4.735 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	52629	4.818 ug/L	97
12) 1,1-Dichloroethene	2.59	96	45670	4.832 ug/L	88
13) Acetone	2.66	43	119440	48.379 ug/L	97
14) Carbon disulfide	2.81	76	122102	4.029 ug/L	98
15) Methyl Acetate	2.97	43	28097	4.534 ug/L	96
16) Methylene chloride	3.06	84	52951	4.278 ug/L	95
17) Methyl tert-butyl Ether	3.38	73	135675	4.763 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	46703	4.594 ug/L	92
19) 1,1-Dichloroethane	3.89	63	95476	4.563 ug/L	99
21) 2-Butanone	4.74	43	199900	49.595 ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	53771	4.919 ug/L	93

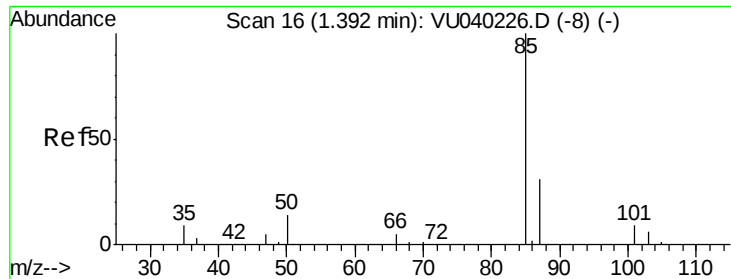
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
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 QLast Update : Tue Sep 22 07:07:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	26145	5.459	ug/L	87
25) Chloroform	5.11	83	104831	4.892	ug/L	99
27) 1,2-Dichloroethane	5.81	62	75762	4.825	ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	87365	4.676	ug/L	98
30) Cyclohexane	5.41	56	77891	4.299	ug/L	99
31) Carbon tetrachloride	5.54	117	73497	4.596	ug/L	99
33) Benzene	5.79	78	199923	4.696	ug/L	100
34) Trichloroethene	6.55	95	54637	4.785	ug/L	98
35) Methylcyclohexane	6.77	83	77484	4.431	ug/L	97
37) 1,2-Dichloropropane	6.80	63	55783	4.839	ug/L	99
38) Bromodichloromethane	7.11	83	74561	4.738	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	80282	4.722	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	474526	50.171	ug/L	98
42) Toluene	7.98	91	215955	4.926	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	75097	4.767	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	42811	5.098	ug/L	97
47) Tetrachloroethene	8.56	164	36430	4.857	ug/L	96
48) 2-Hexanone	8.69	43	349786	50.700	ug/L	98
49) Dibromochloromethane	8.82	129	51148	5.074	ug/L	98
50) 1,2-Dibromoethane	8.93	107	41944	5.180	ug/L #	97
51) Chlorobenzene	9.45	112	138873	5.102	ug/L	96
52) Ethylbenzene	9.57	91	238344	4.785	ug/L	99
53) m,p-Xylene	9.69	106	90529	5.104	ug/L	96
54) o-Xylene	10.10	106	84816	5.018	ug/L	98
55) Styrene	10.11	104	149994	5.103	ug/L	97
56) Isopropylbenzene	10.48	105	230185	4.994	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	57896	5.377	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	42428	4.968	ug/L	99
61) Bromoform	10.29	173	27736	5.097	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	111541	5.143	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	111352	5.075	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	107507	5.124	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	9805	4.369	ug/L	98
67) 1,3,5-Trichlorobenzene	13.21	180	71834	4.711	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	62380	4.750	ug/L	99
69) Naphthalene	14.08	128	118072	4.313	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	57290	4.749	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.570 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

Instrument :

MSVOA_U

ClientSampleId :

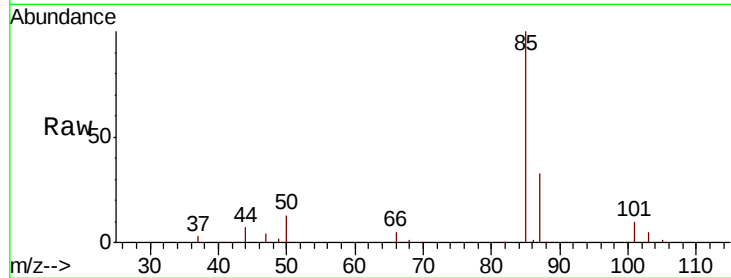
VSTD00516

Tot Ion: 85 Resp: 55390

Ion Ratio Lower Upper

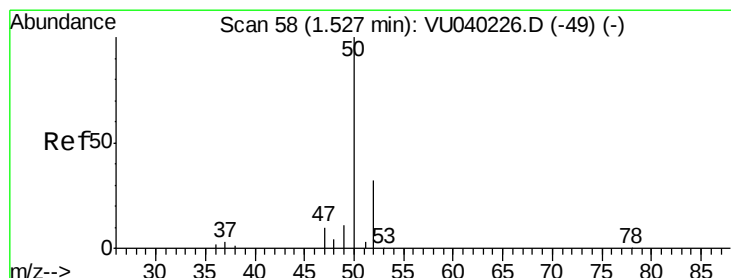
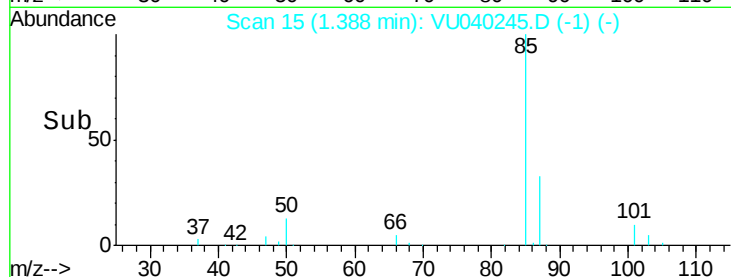
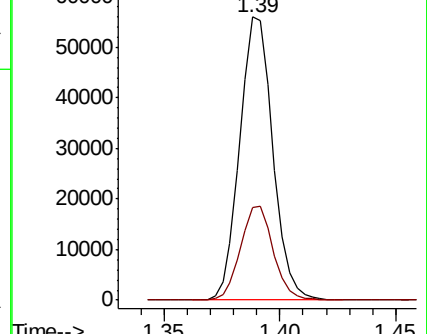
85 100

87 32.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040226.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU040226.D (-8) (-)



#3

Chloromethane

Concen: 4.026 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040245.D

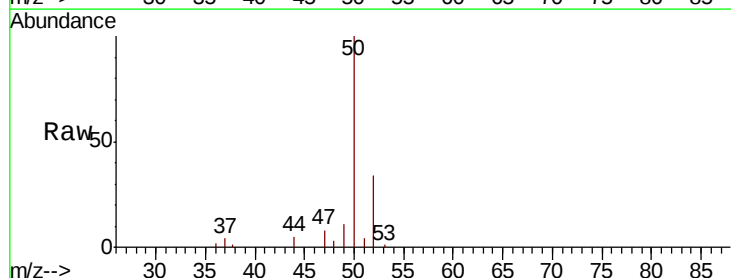
Acq: 21 Sep 2020 19:41

Tgt Ion: 50 Resp: 46716

Ion Ratio Lower Upper

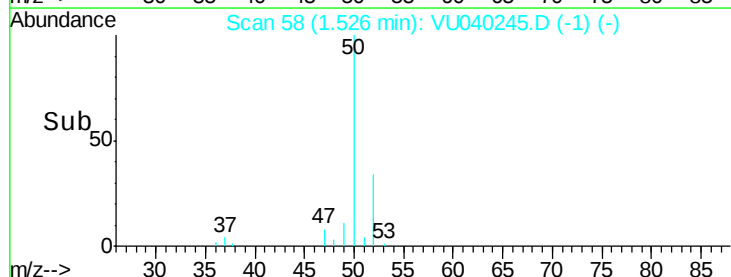
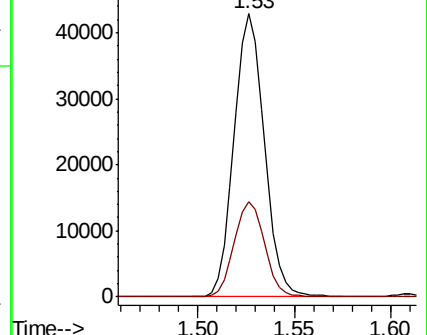
50 100

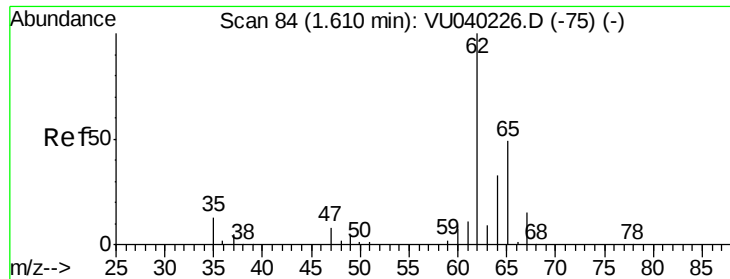
52 33.7 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040226.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040226.D (-49) (-)





#5

Vinyl chloride

Concen: 4.400 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

Instrument :

MSVOA_U

ClientSampleId :

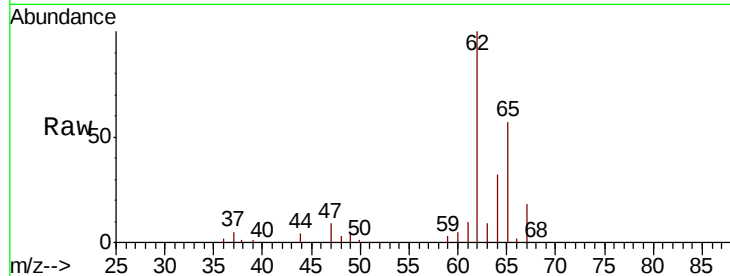
VSTD00516

Tot Ion: 62 Resp: 51758

Ion Ratio Lower Upper

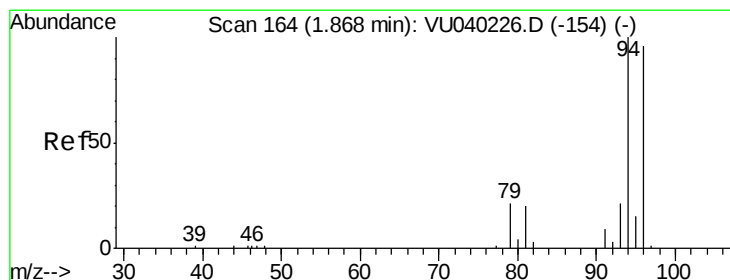
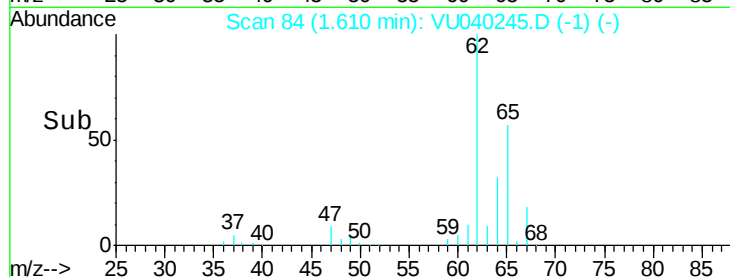
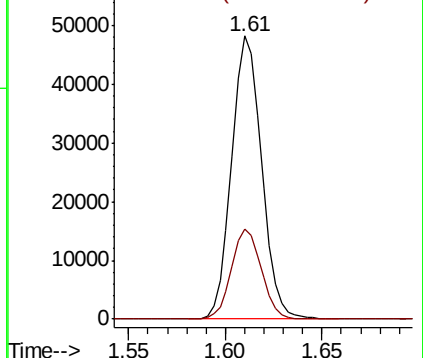
62 100

64 31.9 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.867 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040245.D

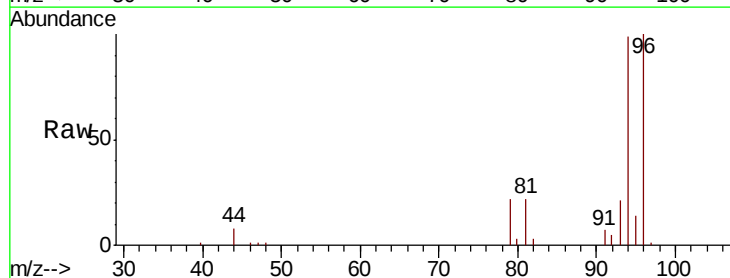
Acq: 21 Sep 2020 19:41

Tgt Ion: 94 Resp: 23249

Ion Ratio Lower Upper

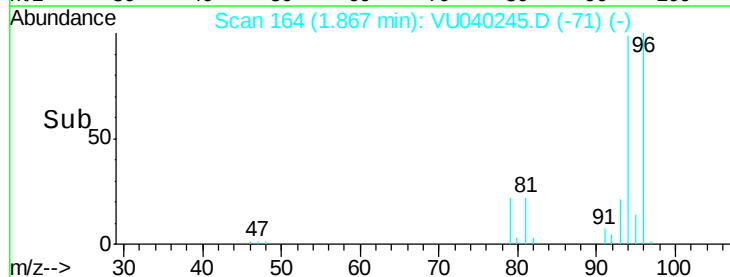
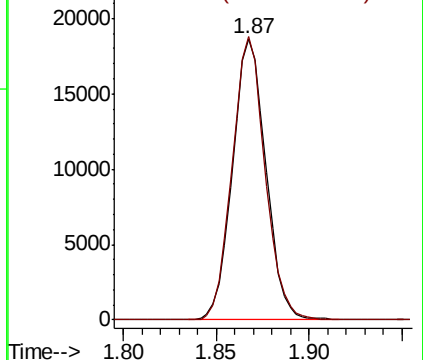
94 100

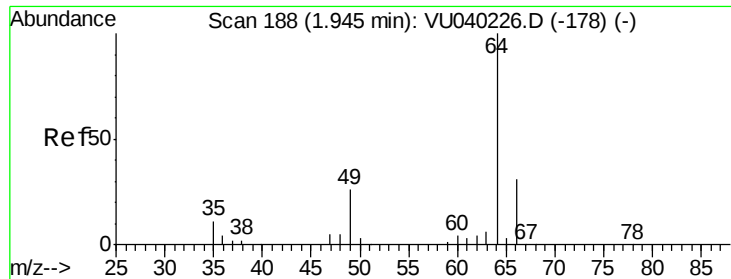
96 100.7 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

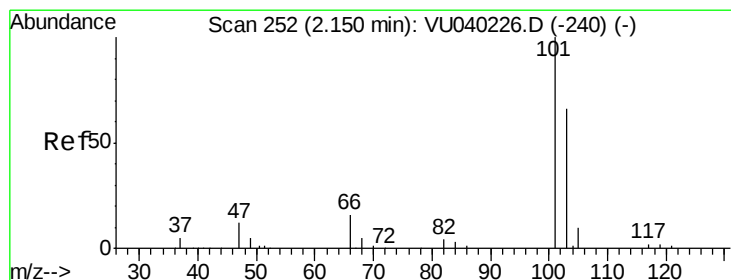
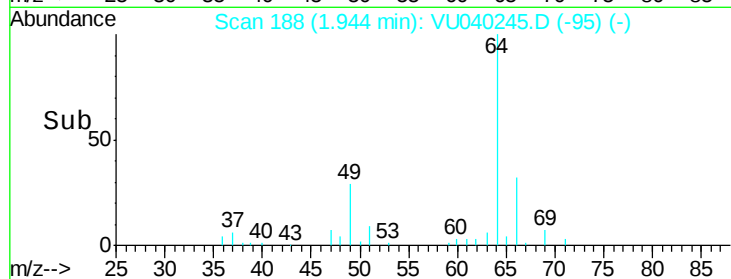
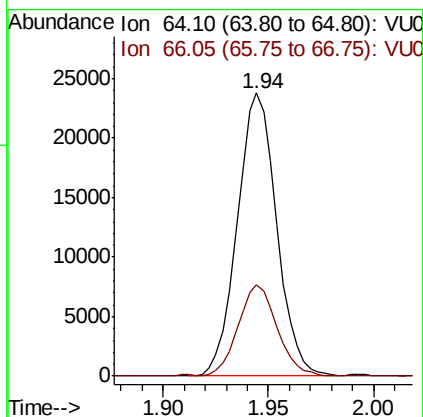
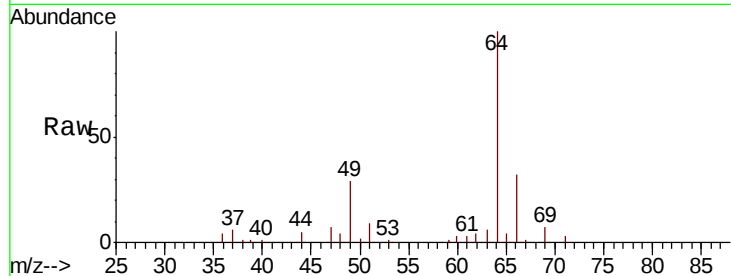




#8
Chloroethane
Concen: 4.352 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU040245.D
Acq: 21 Sep 2020 19:41

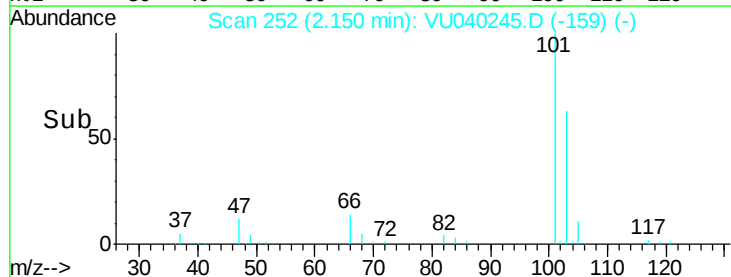
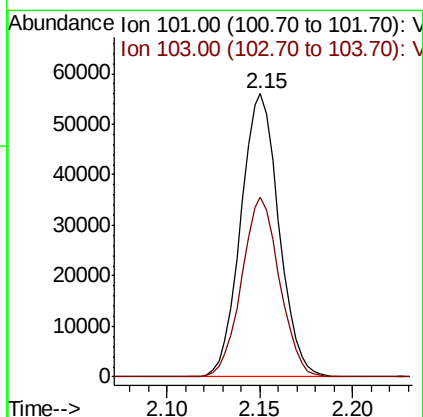
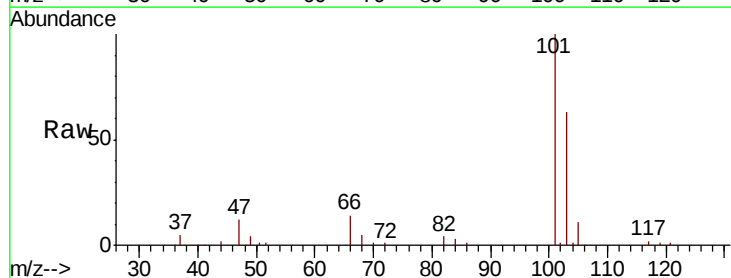
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

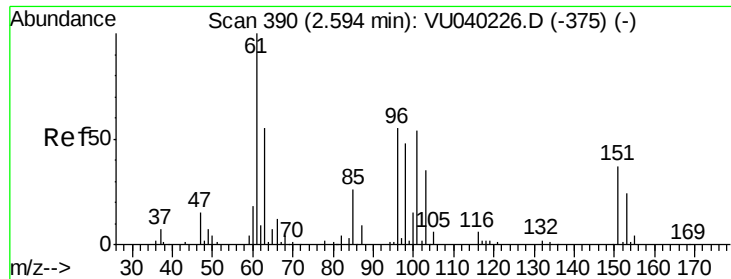
Tot Ion: 64 Resp: 30767
Ion Ratio Lower Upper
64 100
66 32.1 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.735 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU040245.D
Acq: 21 Sep 2020 19:41

Tgt Ion:101 Resp: 79792
Ion Ratio Lower Upper
101 100
103 63.3 51.3 76.9





#10

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

Concen: 4.818 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

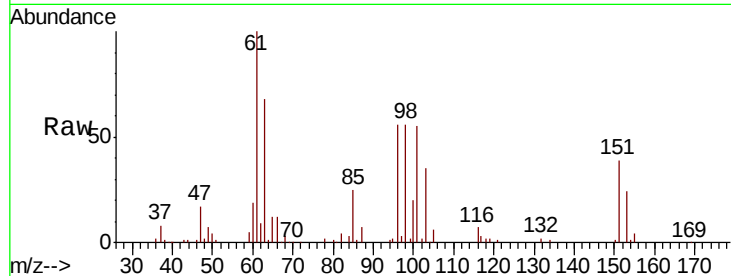
Tot Ion:101 Resp: 52629

Ion Ratio Lower Upper

101 100

85 44.2 37.7 56.5

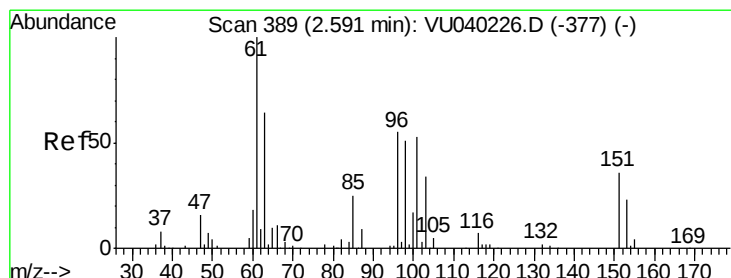
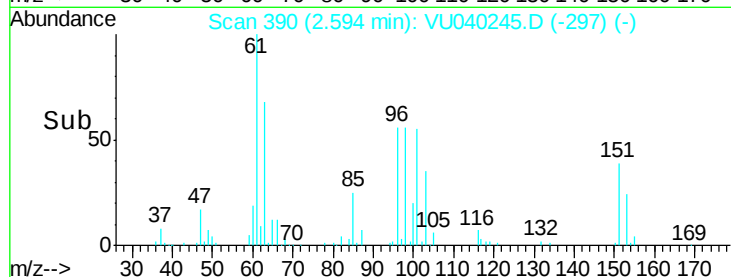
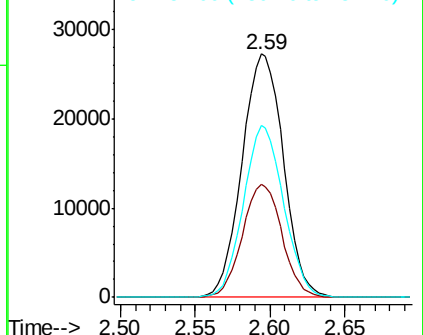
151 68.5 53.9 80.9



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: 4.832 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

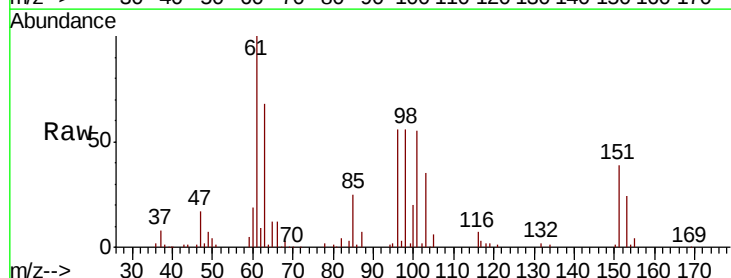
Tgt Ion: 96 Resp: 45670

Ion Ratio Lower Upper

96 100

61 178.7 138.3 256.8

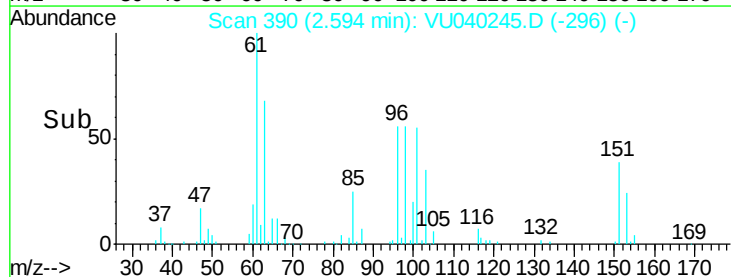
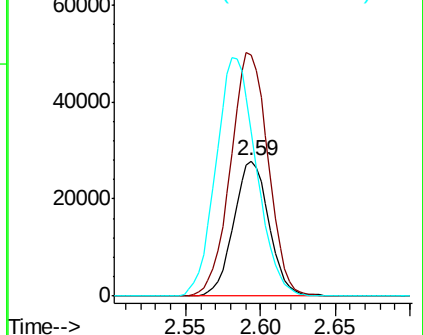
63 121.9 77.6 144.2

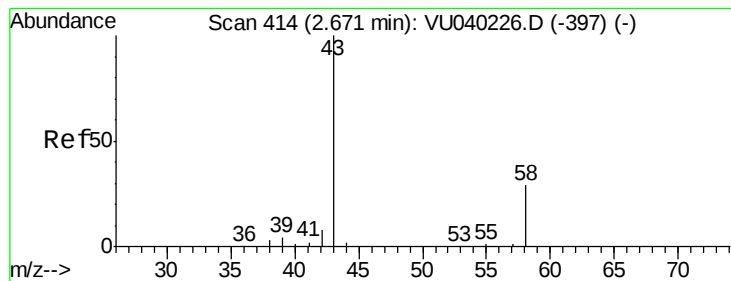


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.379 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

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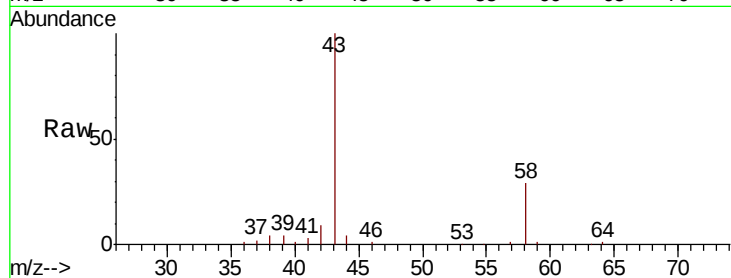
VSTD00516

Tot Ion: 43 Resp: 119440

Ion Ratio Lower Upper

43 100

58 29.3 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040226.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU040226.D (-397) (-)

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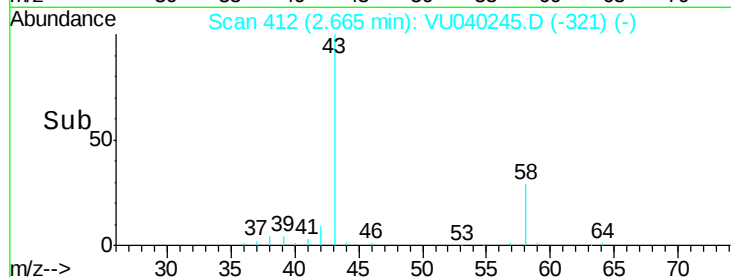
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Abundance Ion 43.05 (42.75 to 43.75): VU040226.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU040226.D (-397) (-)

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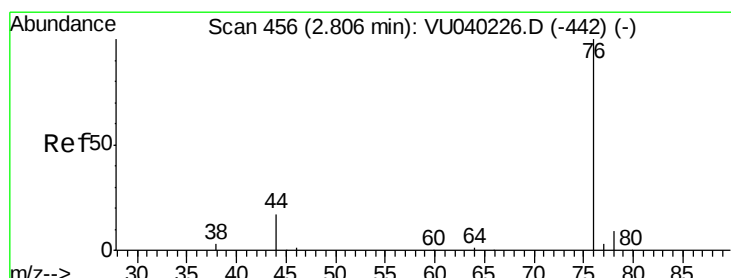
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#14

Carbon disulfide

Concen: 4.029 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040245.D

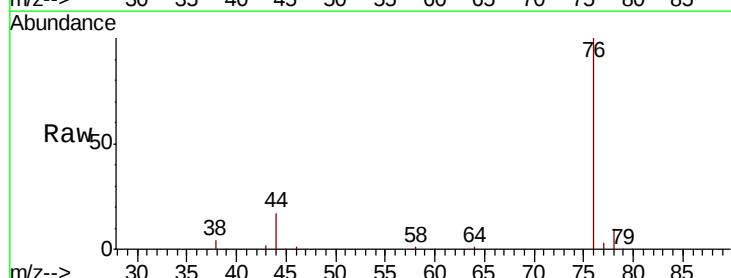
Acq: 21 Sep 2020 19:41

Tgt Ion: 76 Resp: 122102

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040226.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040226.D (-442) (-)

2.81

2.81

2.81

2.81

2.81

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2.81

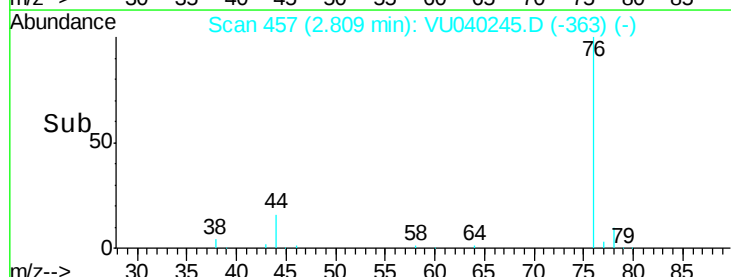
2.81

2.81

2.81

2.81

2.81



Abundance Ion 76.05 (75.75 to 76.75): VU040226.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040226.D (-442) (-)

2.81

2.81

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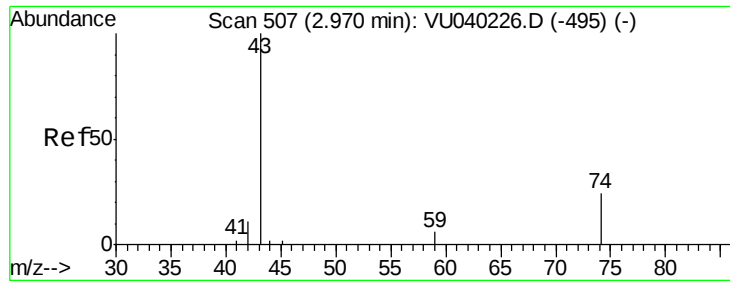
2.81

2.81

2.81

2.81

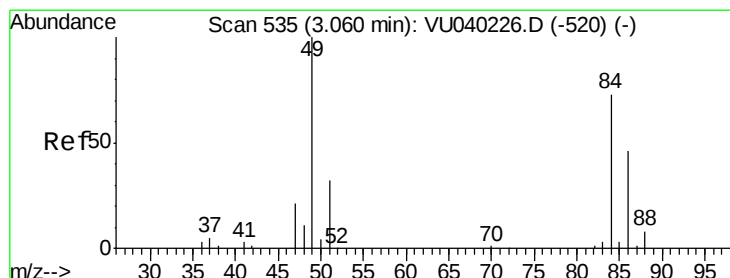
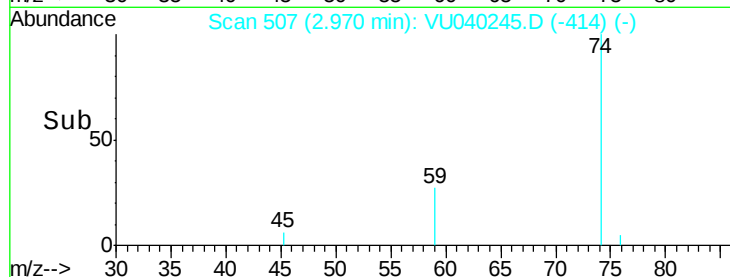
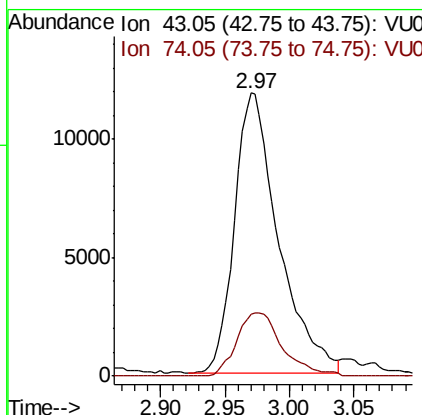
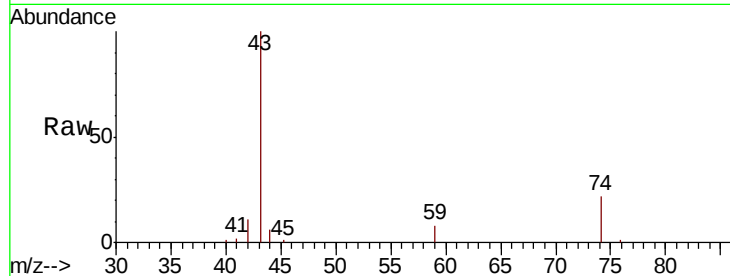
2.81



#15
Methvl Acetate
Concen: 4.534 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU040245.D
Acq: 21 Sep 2020 19:41

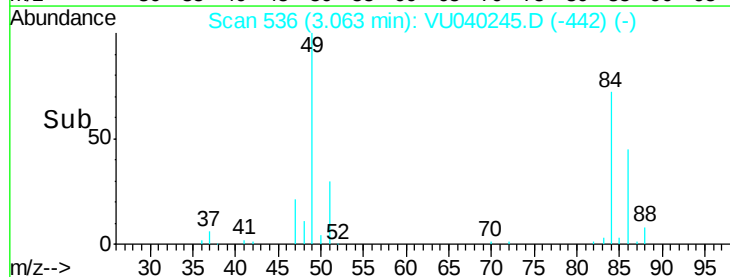
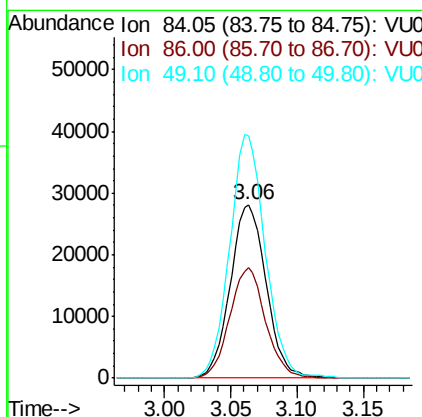
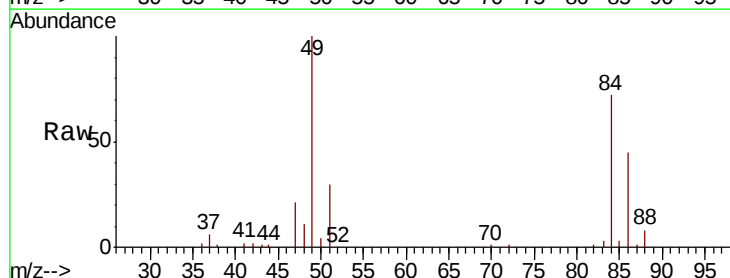
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

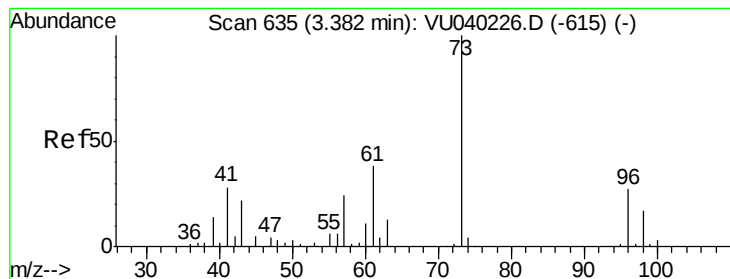
Tot Ion: 43 Resp: 28097
Ion Ratio Lower Upper
43 100
74 23.5 17.4 26.0



#16
Methylene chloride
Concen: 4.278 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040245.D
Acq: 21 Sep 2020 19:41

Tgt Ion: 84 Resp: 52951
Ion Ratio Lower Upper
84 100
86 63.5 45.2 84.0
49 139.8 104.0 193.2



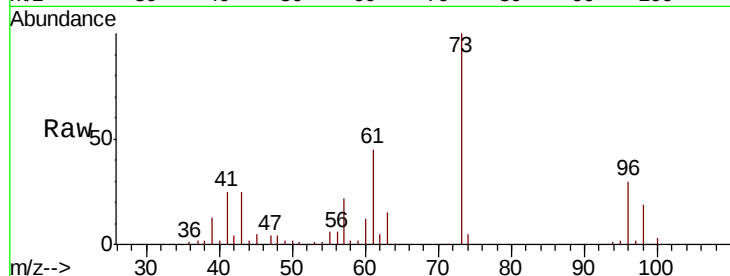


#17

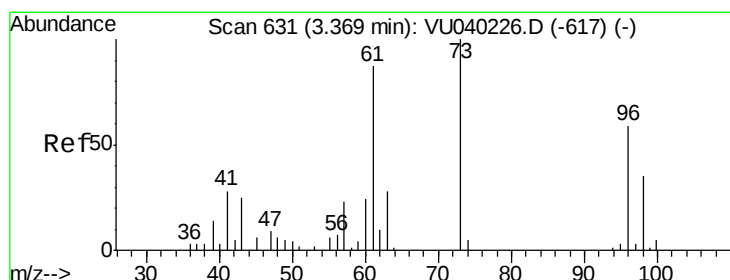
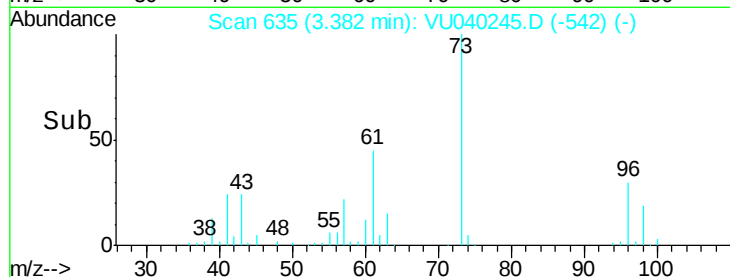
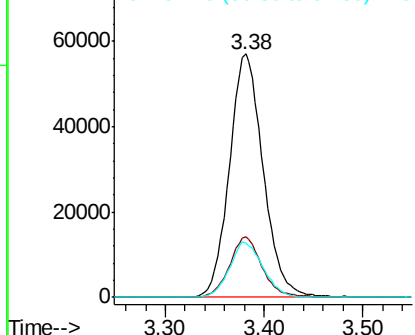
Methyl tert-butyl Ether
 Concen: 4.763 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tot Ion: 73 Resp: 135675
 Ion Ratio Lower Upper
 73 100
 43 23.8 19.1 28.7
 57 22.6 18.3 27.5



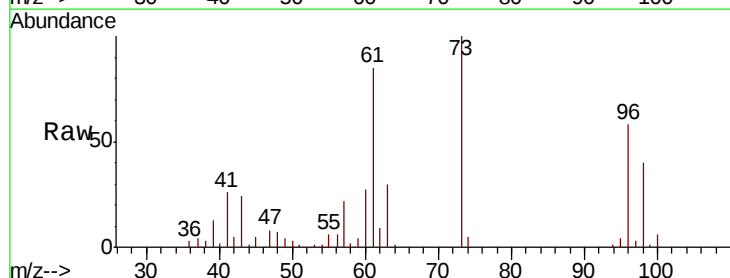
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



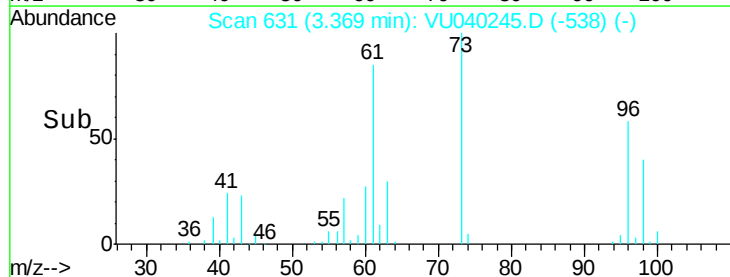
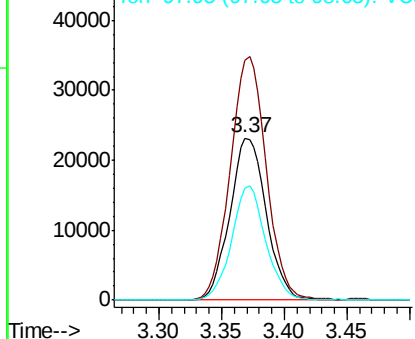
#18

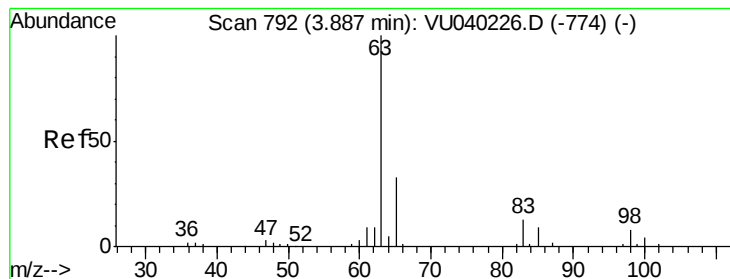
trans-1,2-Dichloroethene
 Concen: 4.594 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

Tgt Ion: 96 Resp: 46703
 Ion Ratio Lower Upper
 96 100
 61 147.9 110.5 205.3
 98 68.8 43.2 80.2



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: 4.563 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.01 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

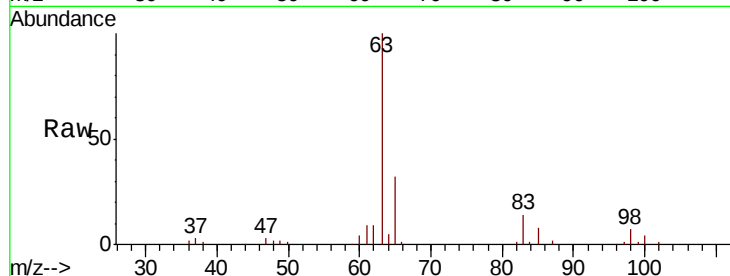
Tot Ion: 63 Resp: 95476

Ion Ratio Lower Upper

63 100

65 32.3 22.2 41.2

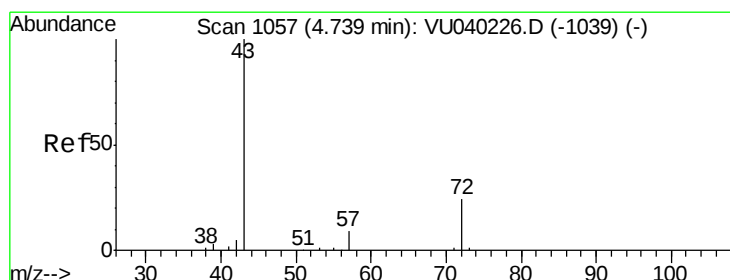
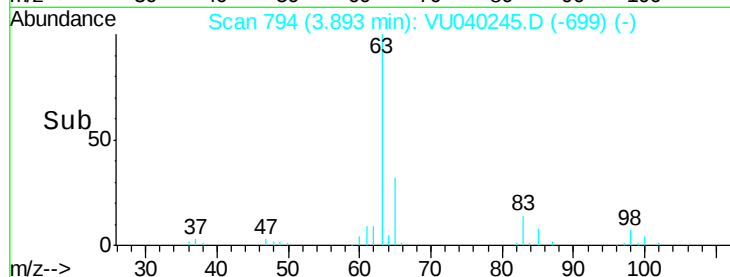
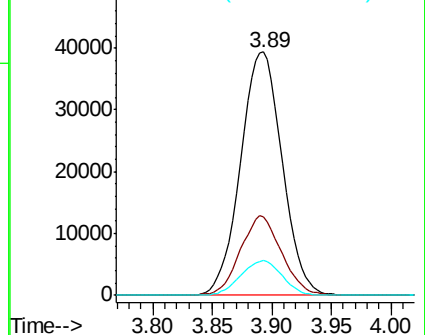
83 14.4 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU040226.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU040226.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU040226.D (-774) (-)



#21

2-Butanone

Concen: 49.595 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VU040245.D

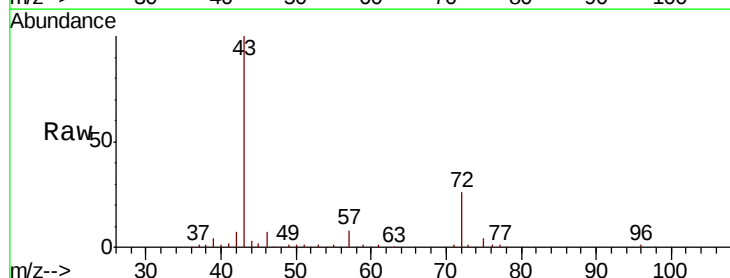
Acq: 21 Sep 2020 19:41

Tgt Ion: 43 Resp: 199900

Ion Ratio Lower Upper

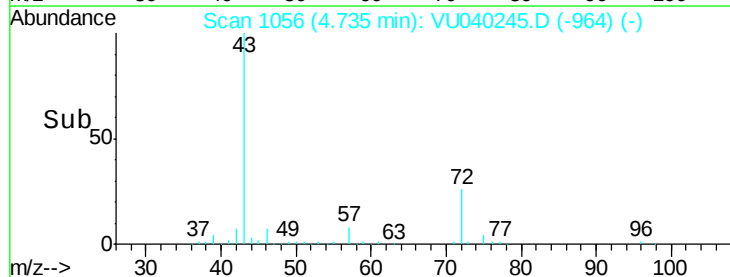
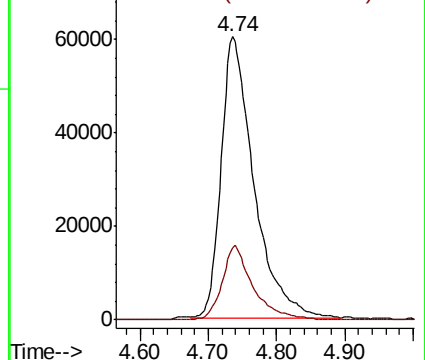
43 100

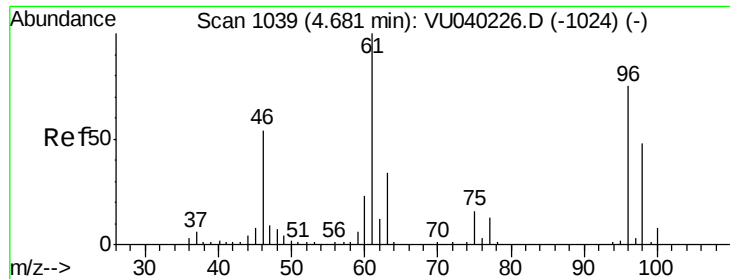
72 25.2 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU040226.D (-1039) (-)

Ion 72.10 (71.80 to 72.80): VU040226.D (-1039) (-)

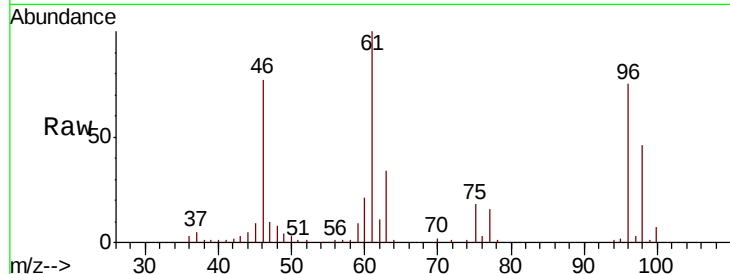




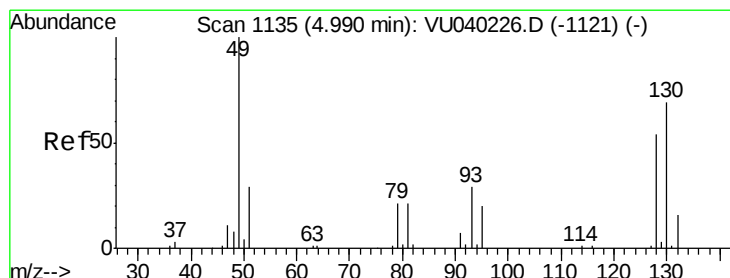
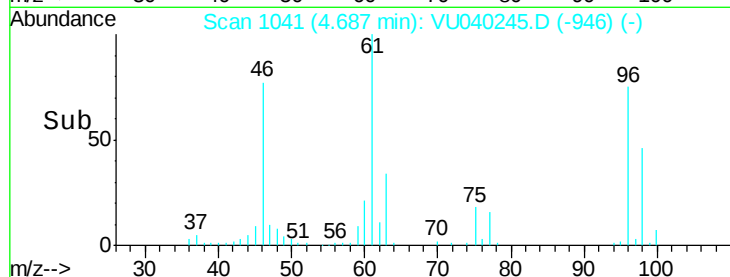
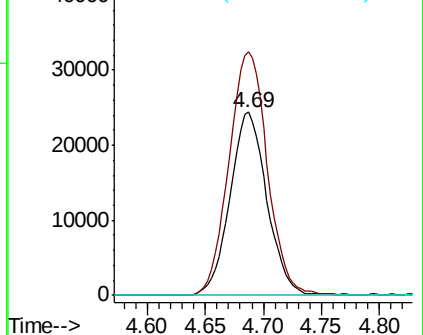
#22
 cis-1,2-Dichloroethene
 Concen: 4.919 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tot Ion: 96 Resp: 53771
 Ion Ratio Lower Upper
 96 100
 61 133.0 98.8 183.4
 68 0.0 0.0 0.0

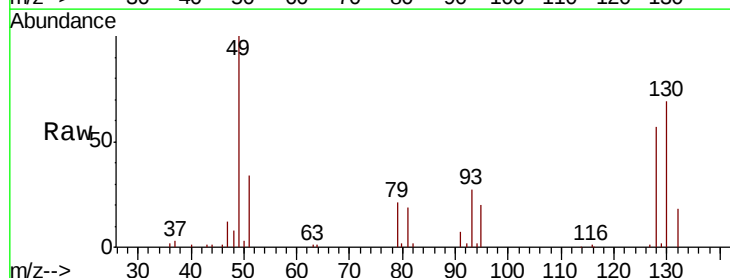


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

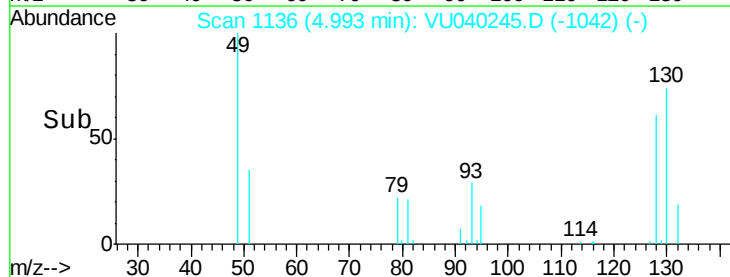
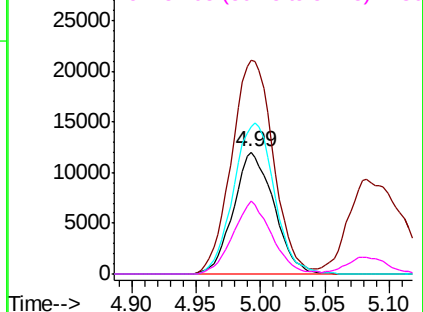


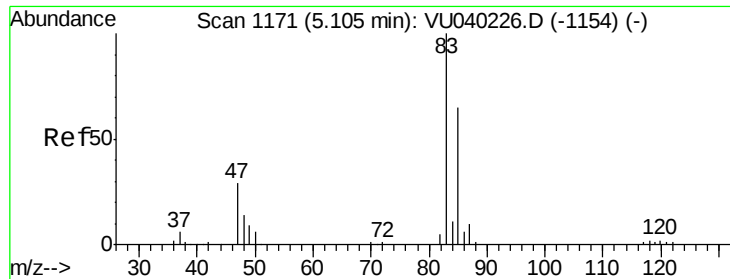
#23
 Bromochloromethane
 Concen: 5.459 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

Tgt Ion: 128 Resp: 26145
 Ion Ratio Lower Upper
 128 100
 49 175.6 143.4 266.4
 130 121.1 89.5 166.3
 51 59.7 51.0 76.4



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

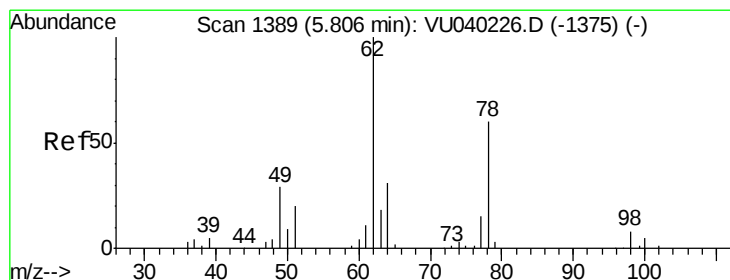
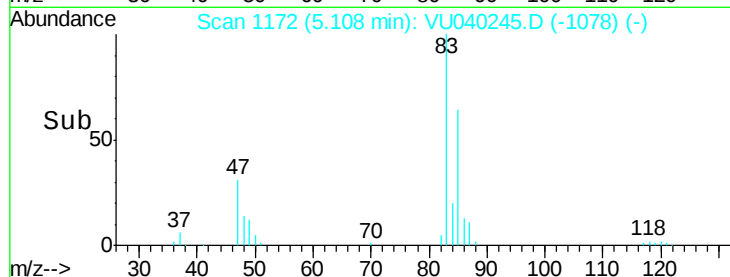
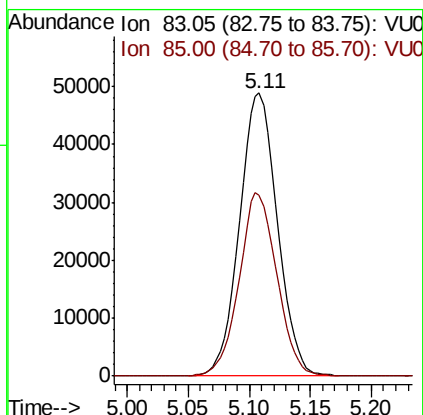
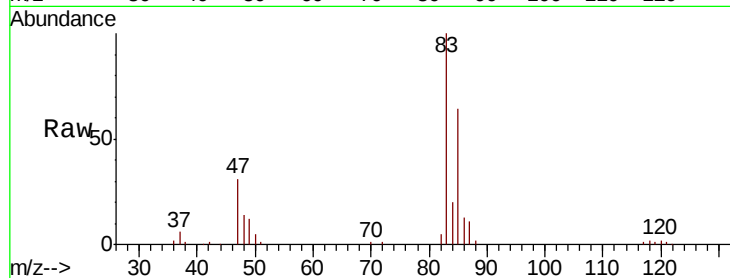




#25
Chloroform
Concen: 4.892 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040245.D
Acq: 21 Sep 2020 19:41

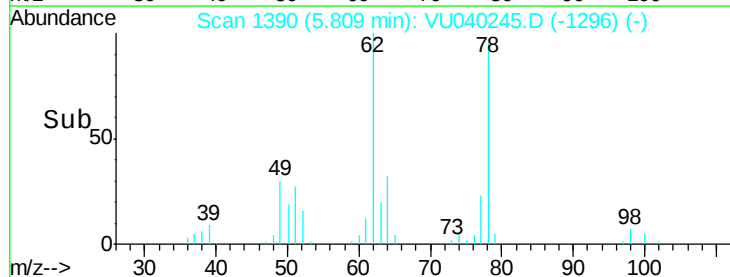
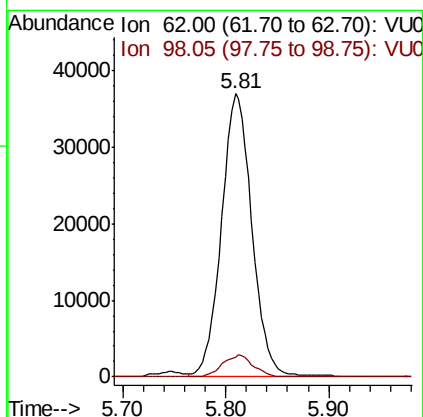
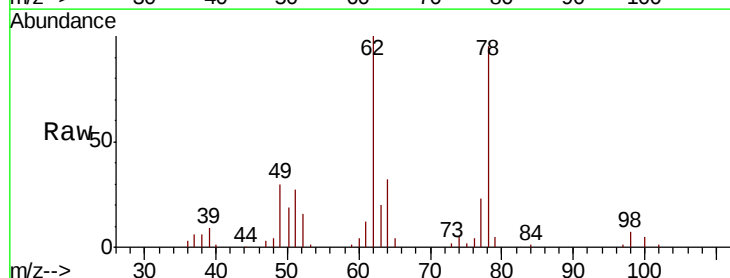
Instrument :
MSVOA_U
ClientSampled :
VSTD00516

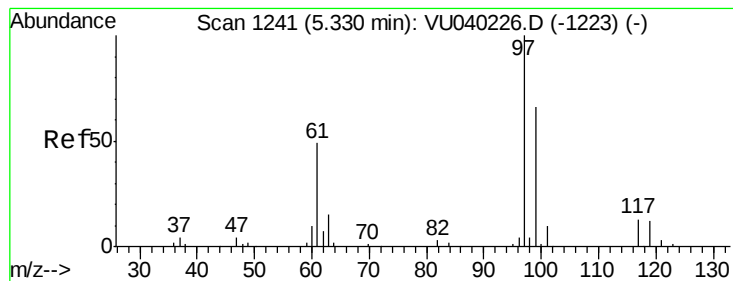
Tot Ion: 83 Resp: 104831
Ion Ratio Lower Upper
83 100
85 64.0 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.825 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040245.D
Acq: 21 Sep 2020 19:41

Tgt Ion: 62 Resp: 75762
Ion Ratio Lower Upper
62 100
98 7.1 6.1 9.1





#29

1,1,1-Trichloroethane

Concen: 4.676 ug/L

RT: 5.34 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

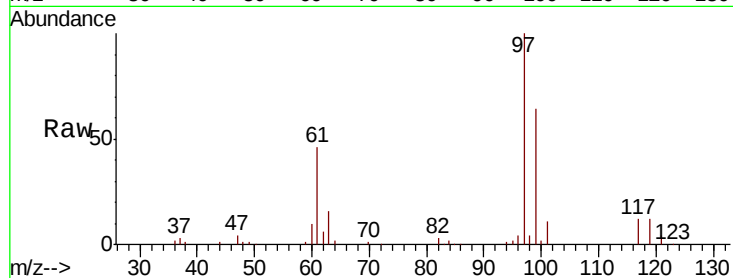
Tot Ion: 97 Resp: 87365

Ion Ratio Lower Upper

97 100

99 66.5 50.9 76.3

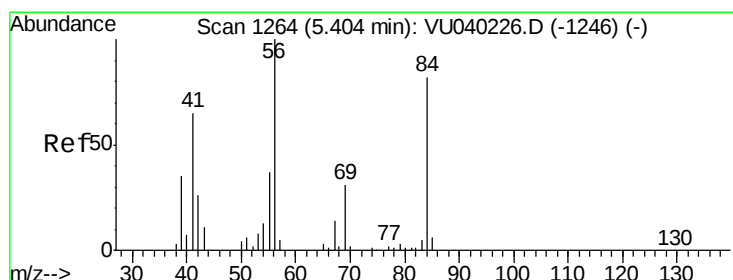
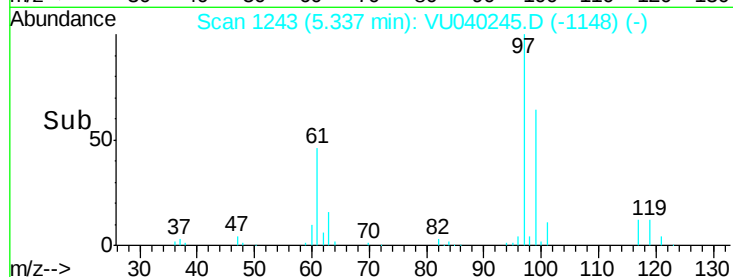
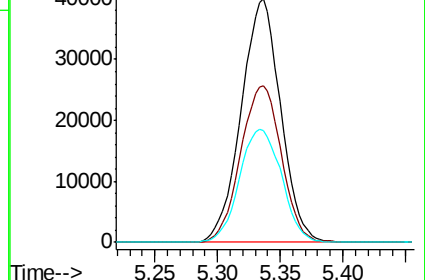
61 49.5 39.5 59.3



Abundance Ion 96.95 (96.65 to 97.65): VU040226.D (-1223) (-)

Ion 99.05 (98.75 to 99.75): VU040226.D (-1223) (-)

Ion 61.05 (60.75 to 61.75): VU040226.D (-1223) (-)



#30

Cyclohexane

Concen: 4.299 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

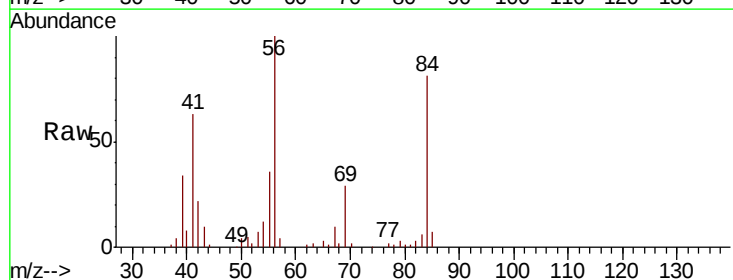
Tgt Ion: 56 Resp: 77891

Ion Ratio Lower Upper

56 100

69 30.5 24.1 36.1

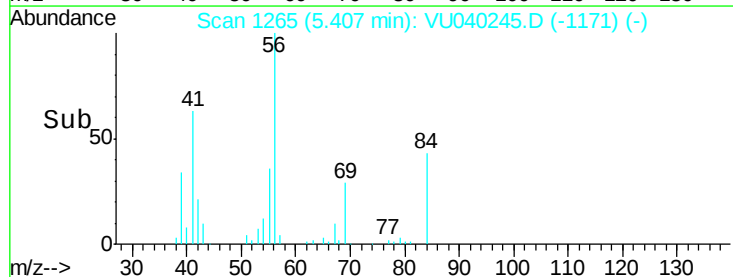
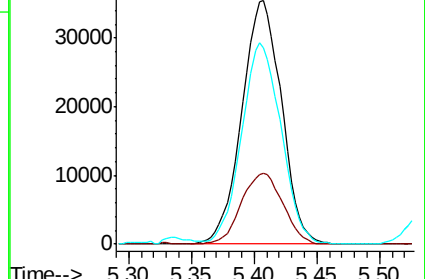
84 82.2 65.0 97.4

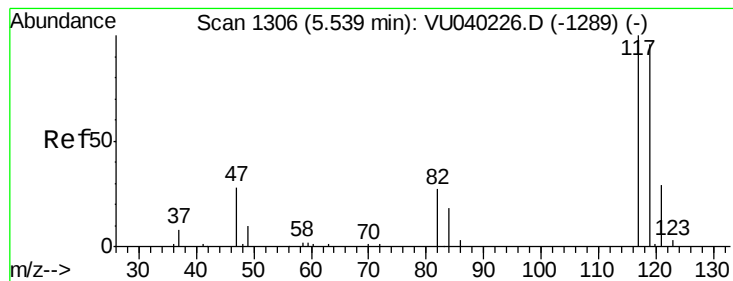


Abundance Ion 56.10 (55.80 to 56.80): VU040226.D (-1246) (-)

Ion 69.15 (68.85 to 69.85): VU040226.D (-1246) (-)

Ion 84.15 (83.85 to 84.85): VU040226.D (-1246) (-)





#31

Carbon tetrachloride

Concen: 4.596 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

Instrument :

MSVOA_U

ClientSampleId :

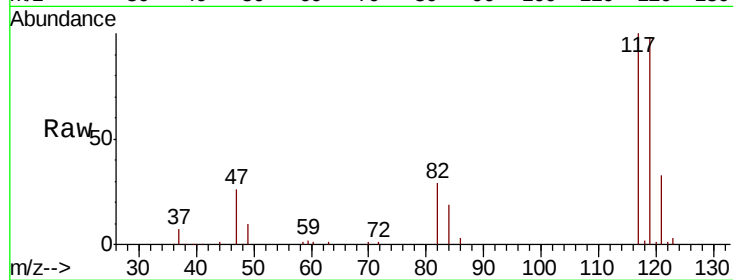
VSTD00516

Tot Ion:117 Resp: 73497

Ion Ratio Lower Upper

117 100

119 98.5 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

40000

30000

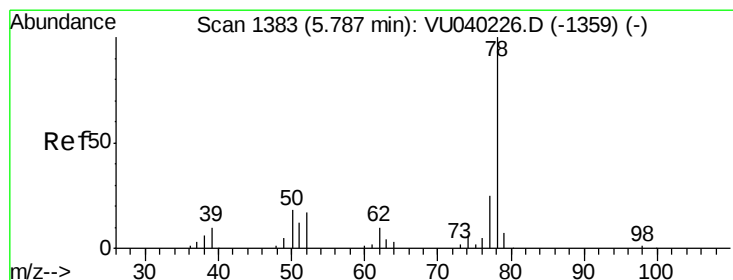
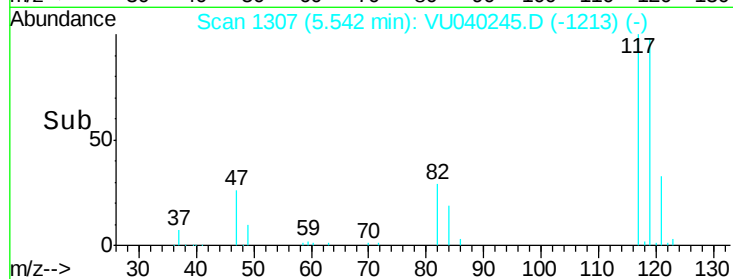
20000

10000

0

Time-->

5.45 5.50 5.55 5.60



#33

Benzene

Concen: 4.696 ug/L

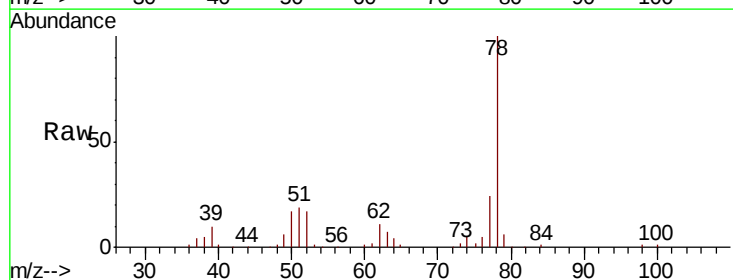
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

Tgt Ion: 78 Resp: 199923



Abundance Ion 78.10 (77.80 to 78.80): VU0

120000

100000

80000

60000

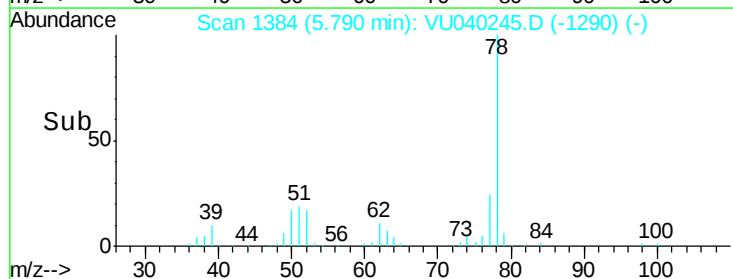
40000

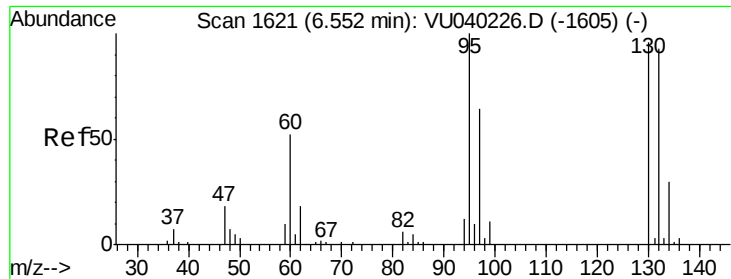
20000

0

Time-->

5.70 5.75 5.80 5.85

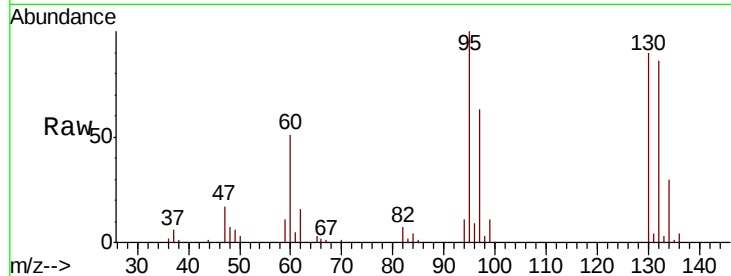




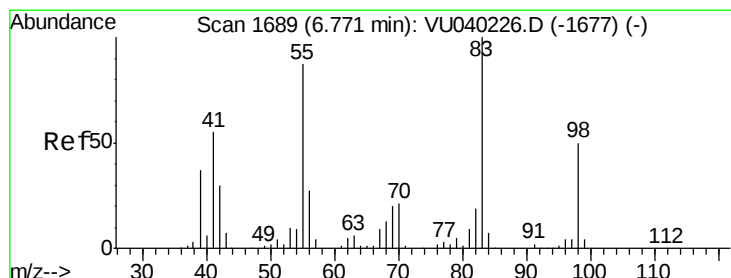
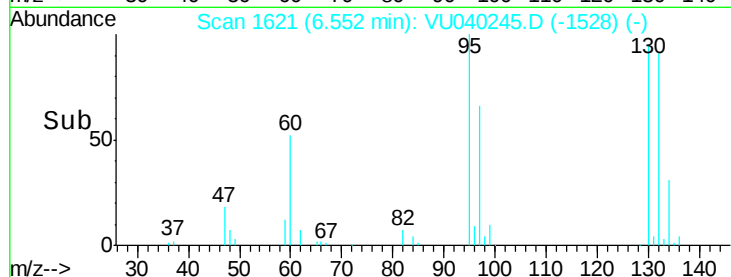
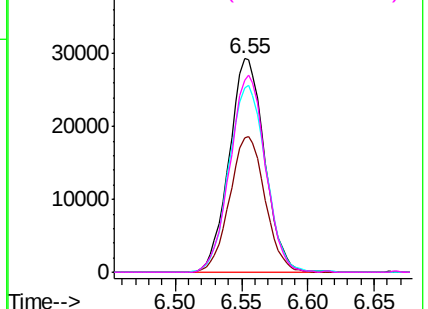
#34
 Trichloroethene
 Concen: 4.785 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tot Ion: 95 Resp: 54637
 Ion Ratio Lower Upper
 95 100
 97 62.7 43.3 80.5
 132 86.3 59.4 110.4
 130 90.2 64.8 120.4

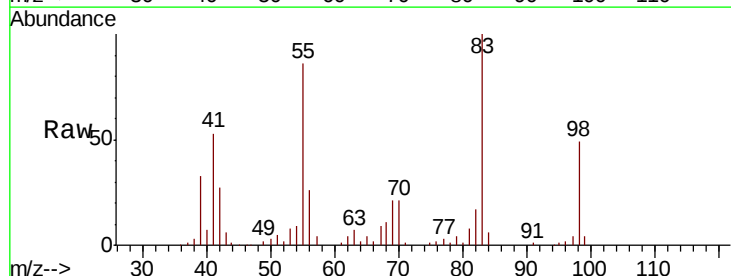


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

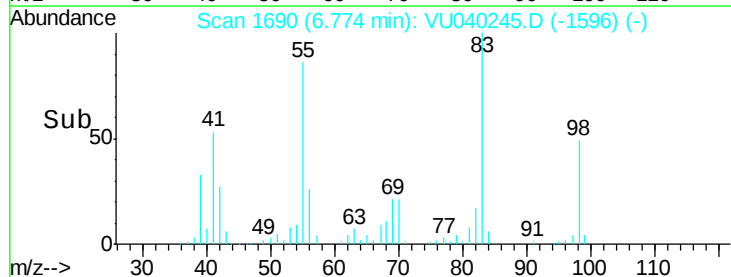
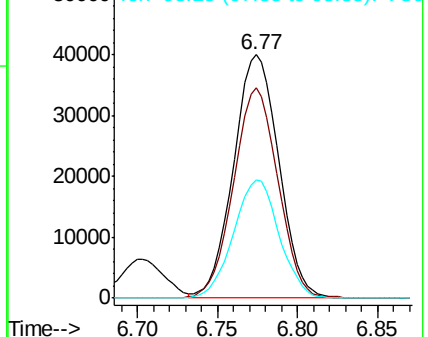


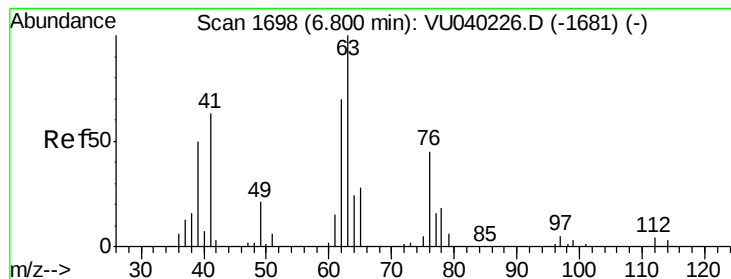
#35
 Methylcyclohexane
 Concen: 4.431 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

Tgt Ion: 83 Resp: 77484
 Ion Ratio Lower Upper
 83 100
 55 84.7 70.5 105.7
 98 48.9 37.8 56.6



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: 4.839 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

Instrument :

MSVOA_U

ClientSampleId :

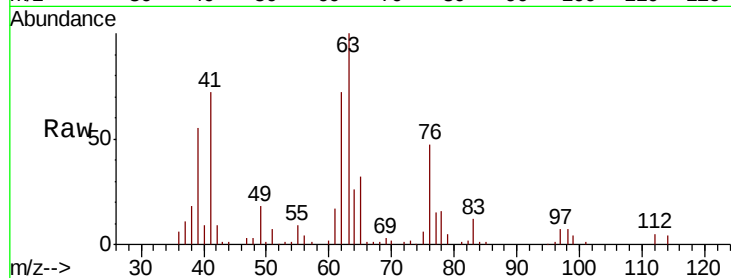
VSTD00516

Tot Ion: 63 Resp: 55783

Ion Ratio Lower Upper

63 100

112 4.3 3.2 4.8



Abundance Ion 63.10 (62.80 to 63.80): VU040226.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU040226.D (-1681) (-)

6.80

30000

25000

20000

15000

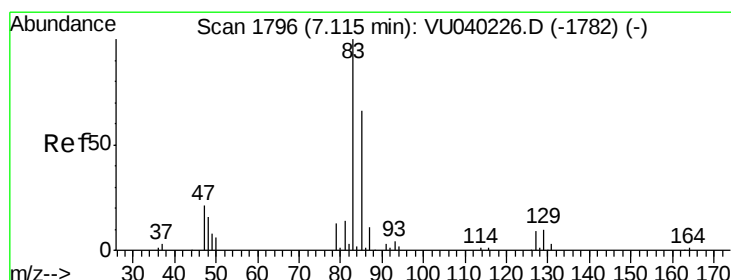
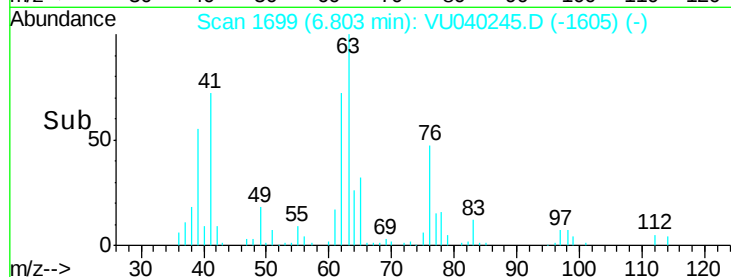
10000

5000

0

6.70 6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 4.738 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

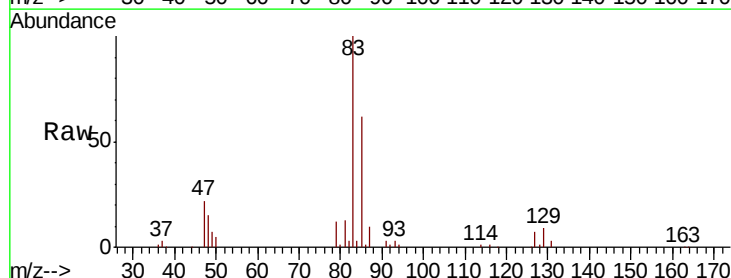
Tgt Ion: 83 Resp: 74561

Ion Ratio Lower Upper

83 100

85 61.9 45.1 83.9

127 7.2 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU040226.D (-1782) (-)

Ion 85.00 (84.70 to 85.70): VU040226.D (-1782) (-)

Ion 126.90 (126.60 to 127.60): VU040226.D (-1782) (-)

7.11

50000

40000

30000

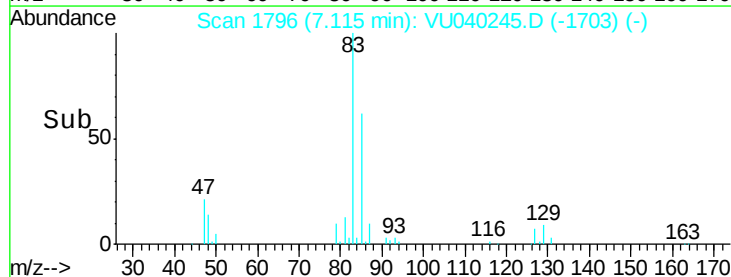
20000

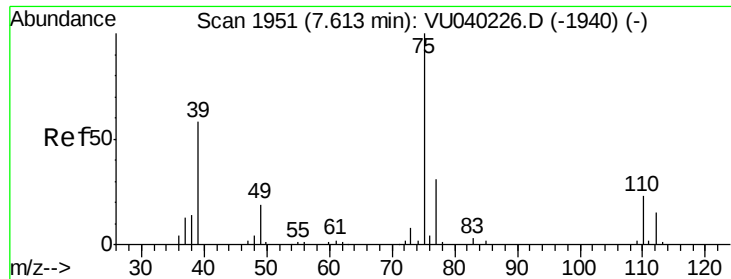
10000

0

7.05 7.10 7.15 7.20

Time-->

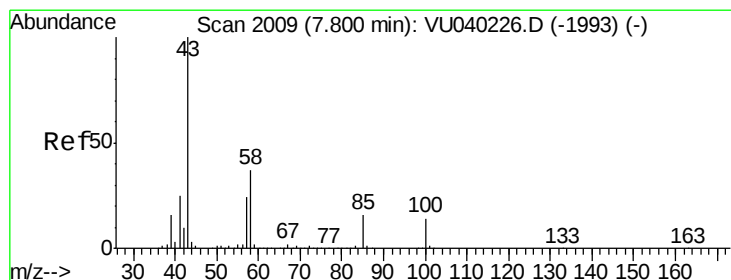
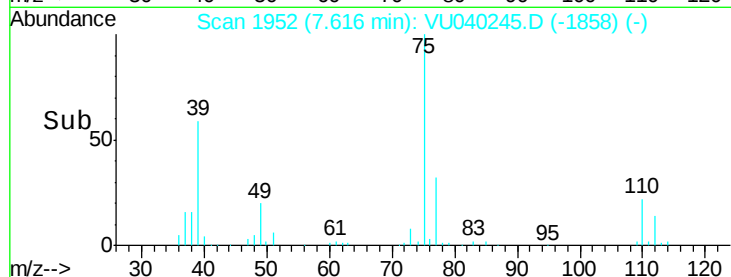
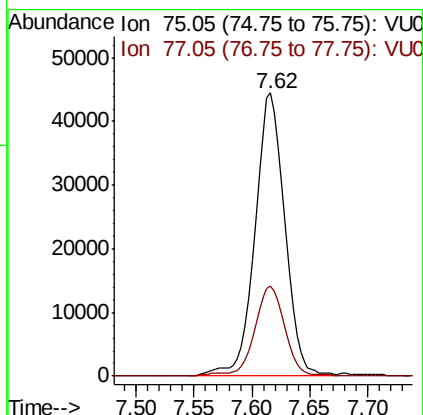
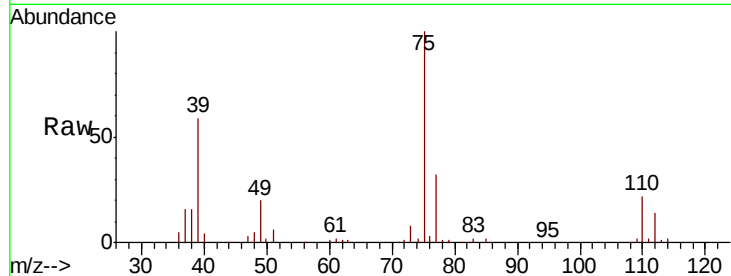




#39
 cis-1,3-Dichloropropene
 Concen: 4.722 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

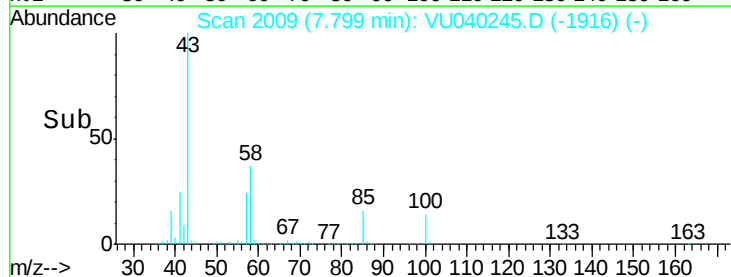
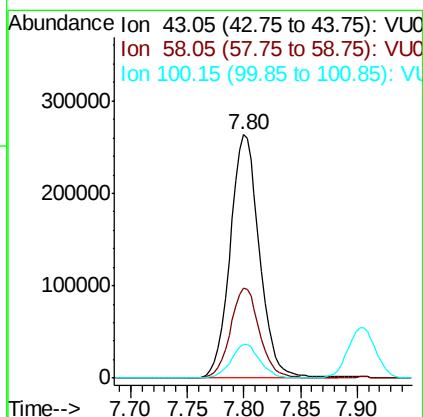
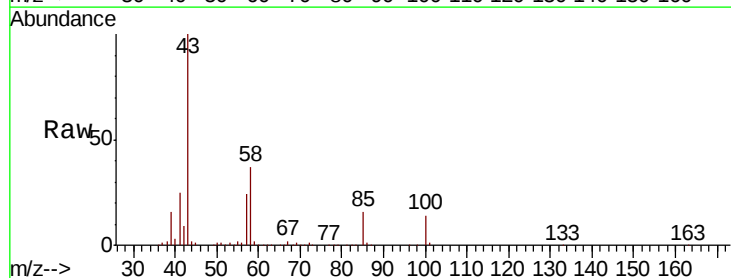
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

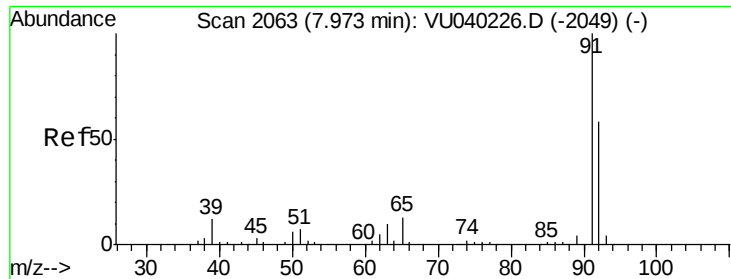
Tot Ion: 75 Resp: 80282
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 50.171 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

Tgt Ion: 43 Resp: 474526
 Ion Ratio Lower Upper
 43 100
 58 36.7 28.7 43.1
 100 13.7 10.2 15.2





#42

Toluene

Concen: 4.926 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

Instrument :

MSVOA_U

ClientSampleID :

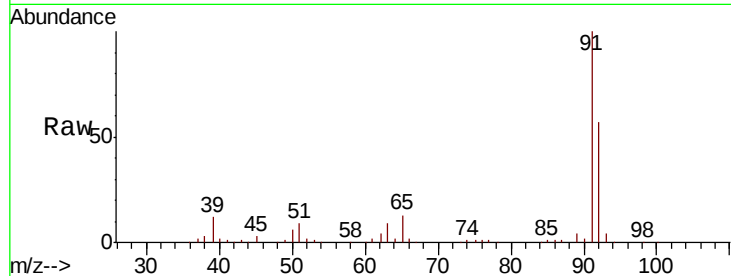
VSTD00516

Tot Ion: 91 Resp: 215955

Ion Ratio Lower Upper

91 100

92 57.0 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040226.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040226.D (-2049) (-)

7.98

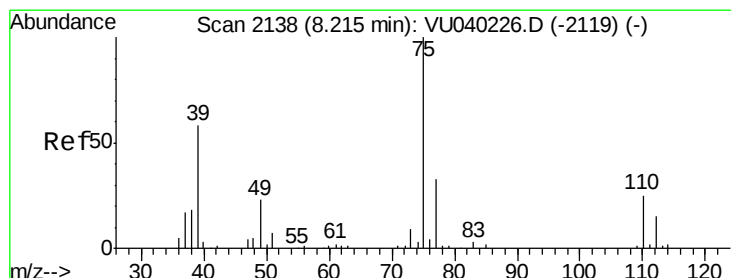
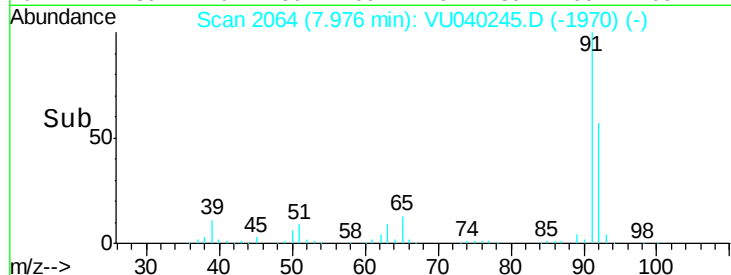
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.767 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040245.D

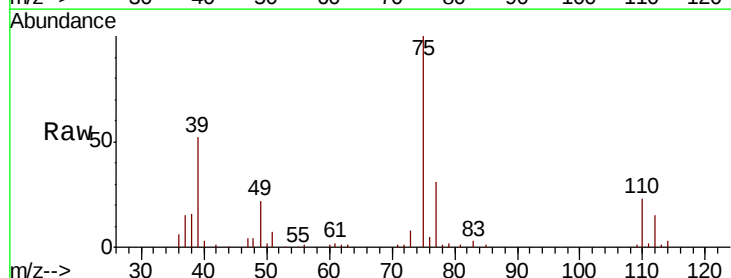
Acq: 21 Sep 2020 19:41

Tgt Ion: 75 Resp: 75097

Ion Ratio Lower Upper

75 100

77 31.0 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU040226.D (-2119) (-)

Ion 77.05 (76.75 to 77.75): VU040226.D (-2119) (-)

8.21

50000

40000

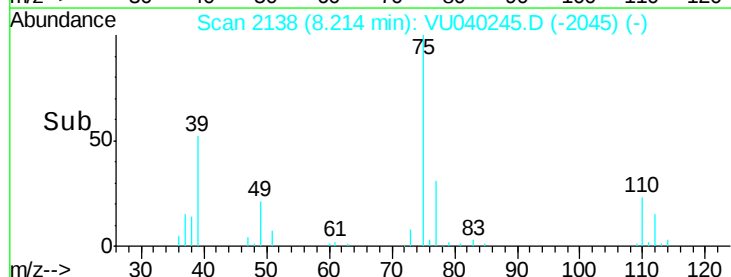
30000

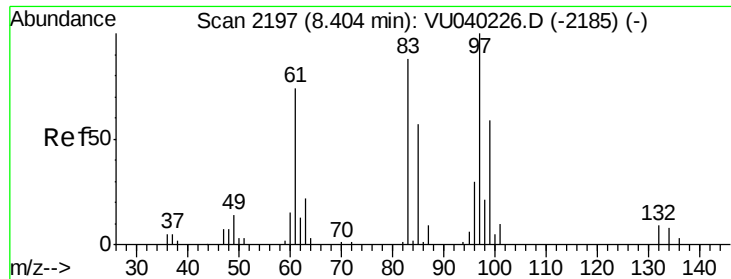
20000

10000

0

Time-->

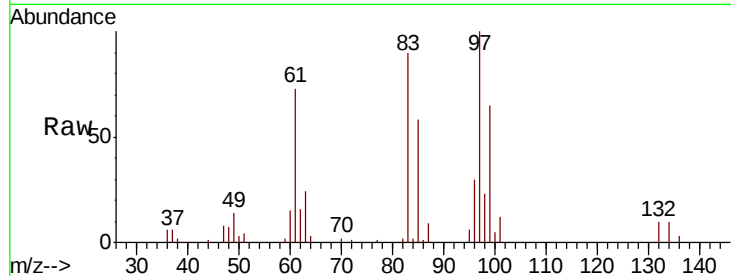




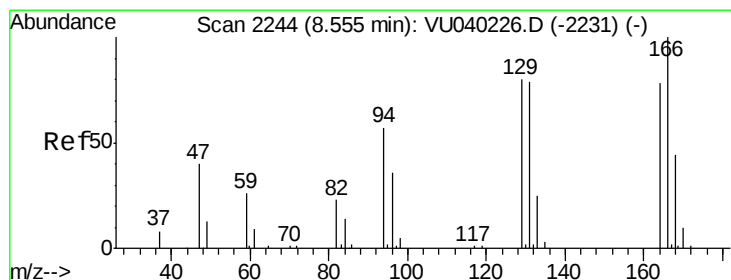
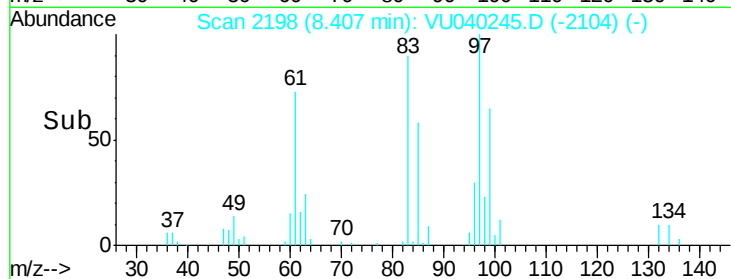
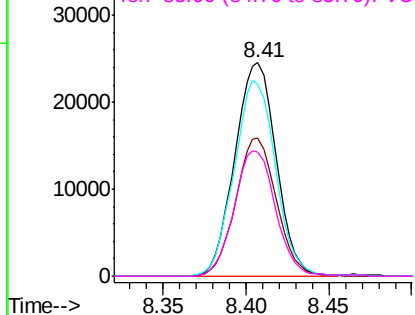
#45
 1,1,2-Trichloroethane
 Concen: 5.098 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tot Ion:	97	Resp:	42811
Ion	Ratio	Lower	Upper
97	100		
99	64.6	43.0	79.8
83	90.1	61.7	114.7
85	58.1	39.3	73.1

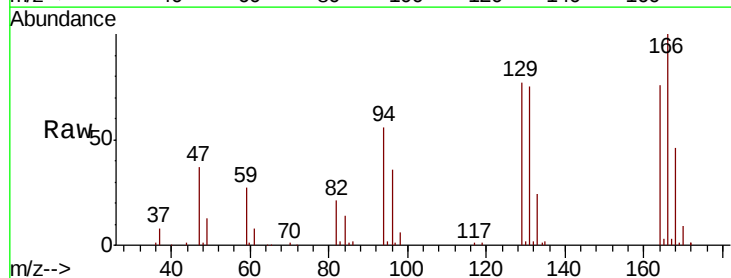


Abundance Ion 96.95 (96.65 to 97.65): VU040226.D (-2185) (-)
 Ion 99.05 (98.75 to 99.75): VU040226.D (-2185) (-)
 Ion 82.95 (82.65 to 83.65): VU040226.D (-2185) (-)
 Ion 85.00 (84.70 to 85.70): VU040226.D (-2185) (-)

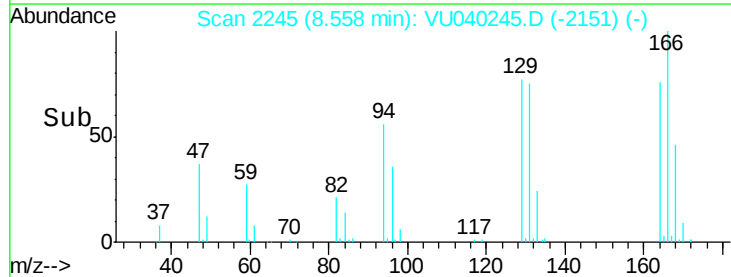
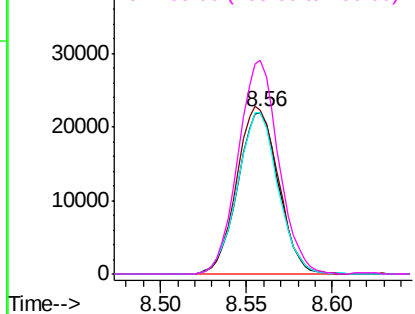


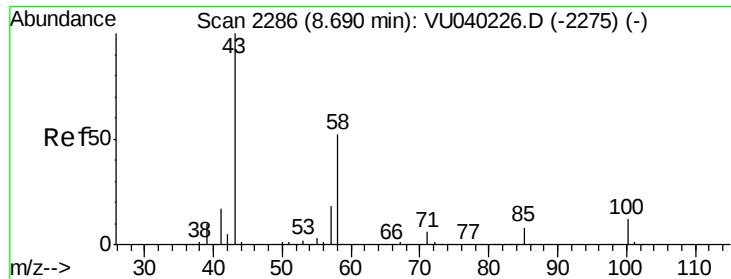
#47
 Tetrachloroethene
 Concen: 4.857 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

Tgt Ion:	164	Resp:	36430
Ion	Ratio	Lower	Upper
164	100		
129	101.9	71.5	132.7
131	99.8	65.9	122.5
166	132.4	87.3	162.1



Abundance Ion 163.90 (163.60 to 164.60): VU040226.D (-2231) (-)
 Ion 128.95 (128.65 to 129.65): VU040226.D (-2231) (-)
 Ion 130.95 (130.65 to 131.65): VU040226.D (-2231) (-)
 Ion 165.90 (165.60 to 166.60): VU040226.D (-2231) (-)

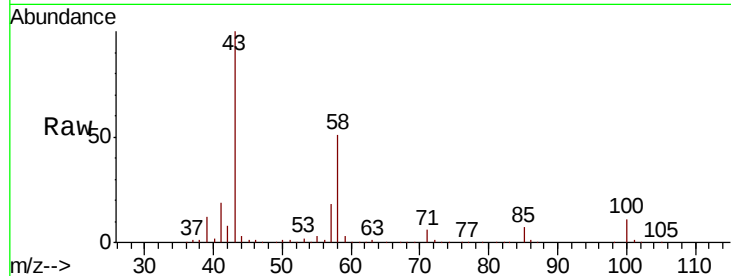




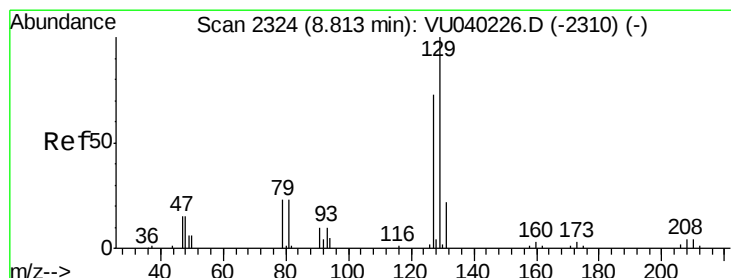
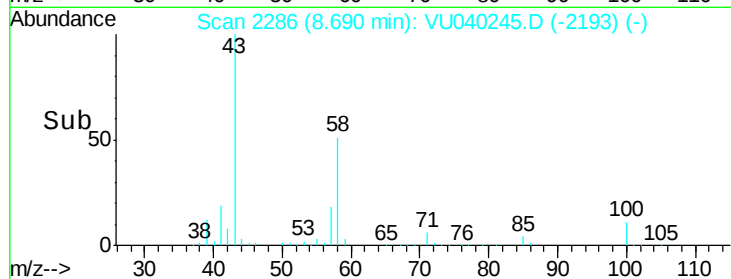
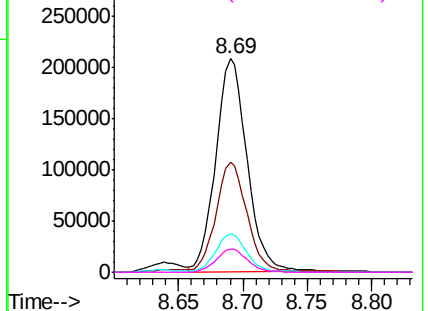
#48
2-Hexanone
Concen: 50.700 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040245.D
Acq: 21 Sep 2020 19:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tot Ion:	43	Resp:	349786
Ion	Ratio	Lower	Upper
43	100		
58	51.5	39.6	59.4
57	18.0	14.3	21.5
100	11.0	8.0	12.0

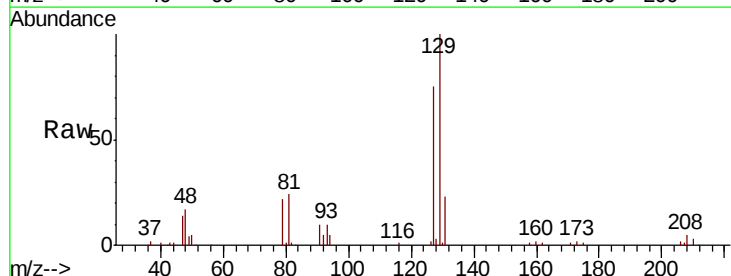


Abundance Ion 43.05 (42.75 to 43.75): VU040226.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU040226.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU040226.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU040226.D (-2275) (-)

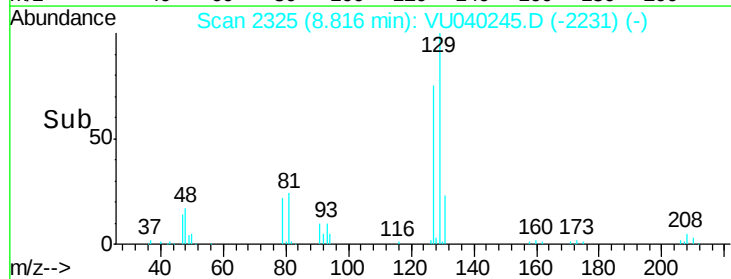
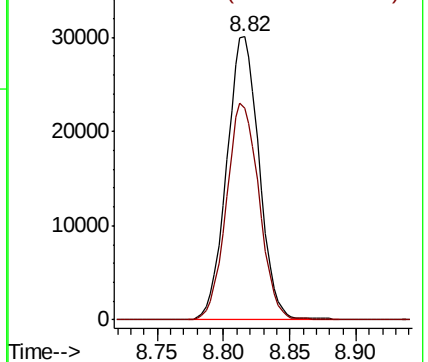


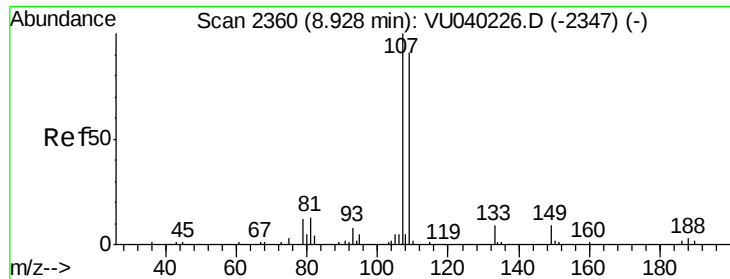
#49
Dibromochloromethane
Concen: 5.074 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040245.D
Acq: 21 Sep 2020 19:41

Tgt Ion:	129	Resp:	51148
Ion	Ratio	Lower	Upper
129	100		
127	74.7	53.7	99.7



Abundance Ion 128.95 (128.65 to 129.65): VU040226.D (-2310) (-)
Ion 126.90 (126.60 to 127.60): VU040226.D (-2310) (-)

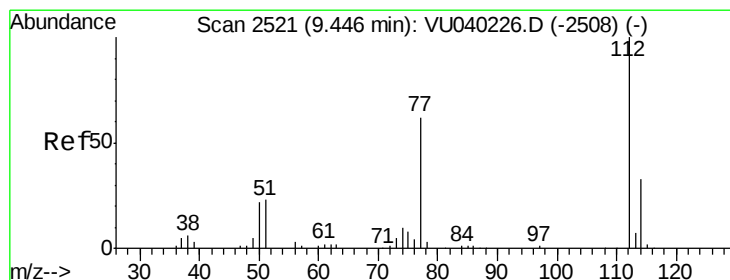
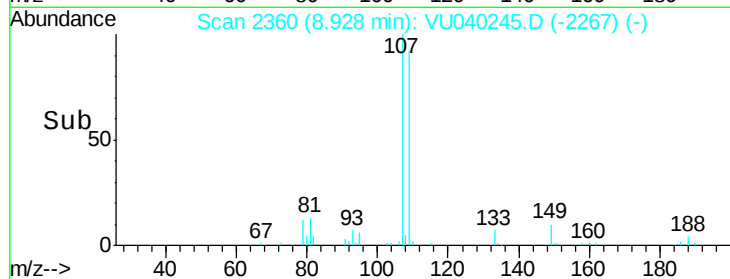
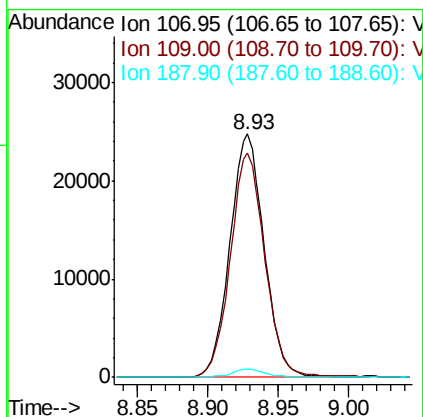
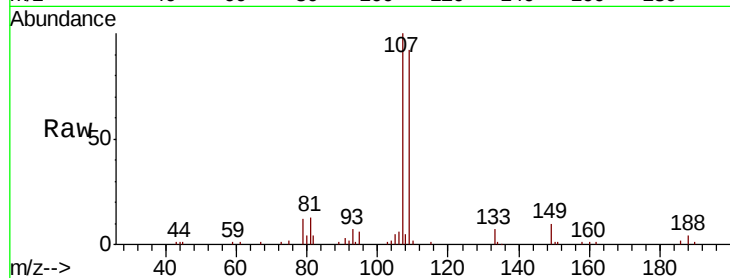




#50
 1,2-Dibromoethane
 Concen: 5.180 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

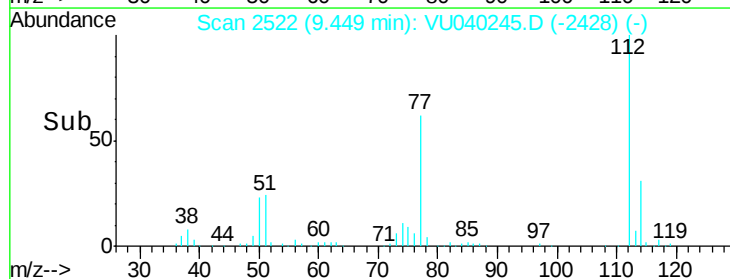
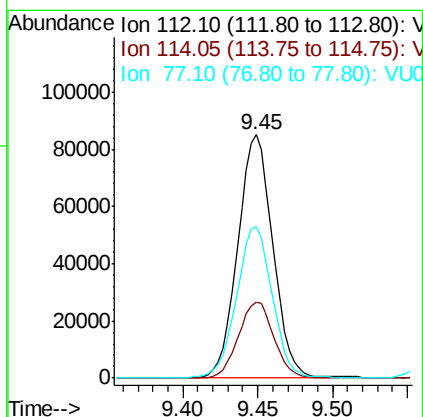
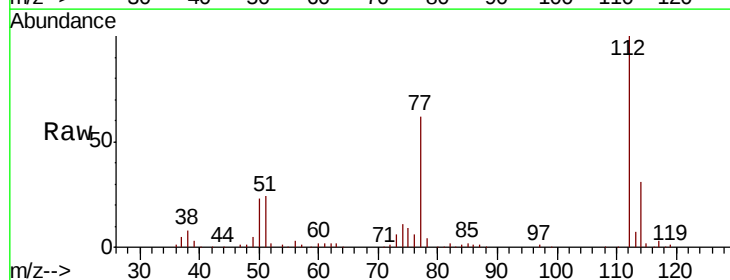
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

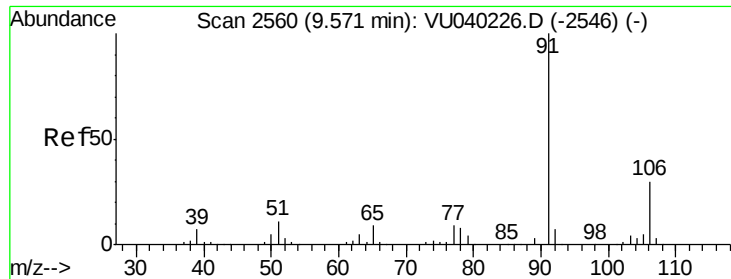
Tot Ion:107 Resp: 41944
 Ion Ratio Lower Upper
 107 100
 109 91.9 62.4 115.8
 188 3.5 2.3 3.5#



#51
 Chlorobenzene
 Concen: 5.102 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

Tgt Ion:112 Resp: 138873
 Ion Ratio Lower Upper
 112 100
 114 31.3 22.7 42.3
 77 62.4 53.2 79.8





#52

Ethylbenzene

Concen: 4.785 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

Instrument :

MSVOA_U

ClientSampleId :

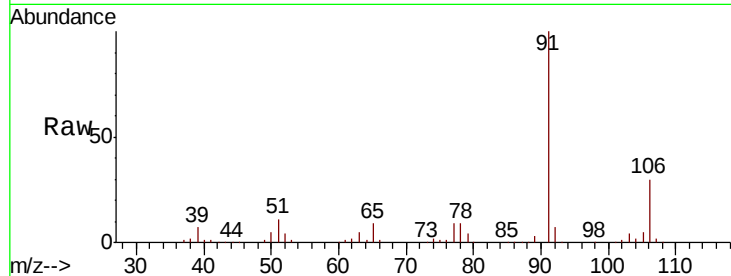
VSTD00516

Tot Ion: 91 Resp: 238344

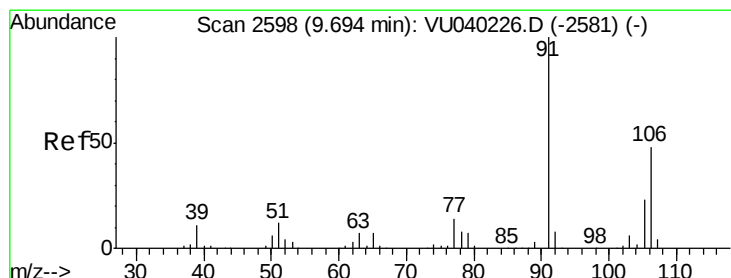
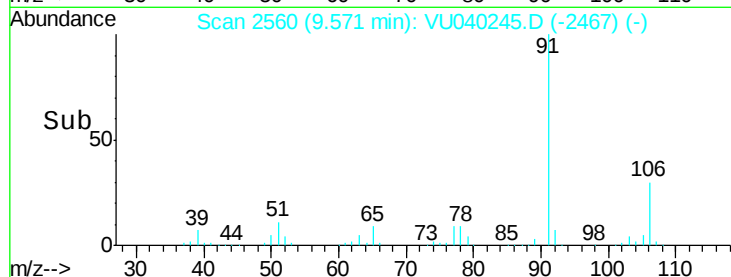
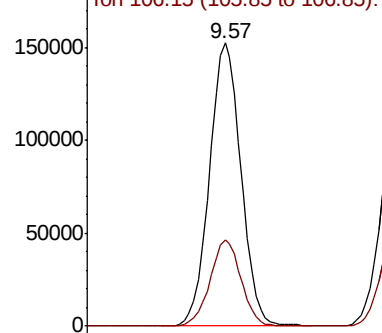
Ion Ratio Lower Upper

91 100

106 30.3 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040226.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.104 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040245.D

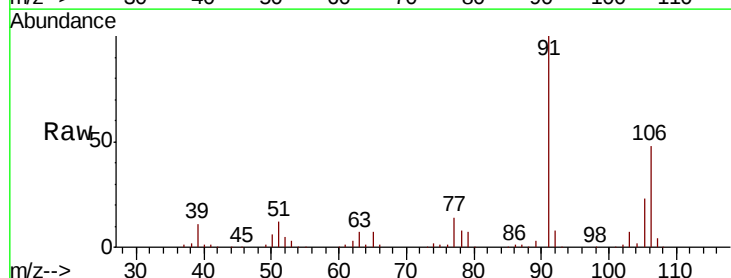
Acq: 21 Sep 2020 19:41

Tgt Ion: 106 Resp: 90529

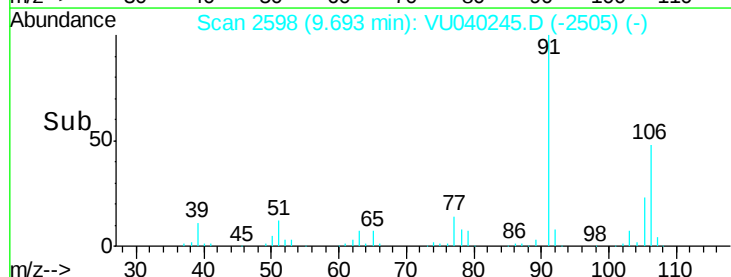
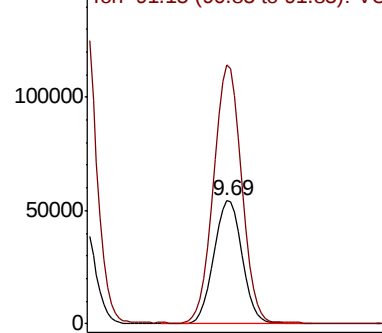
Ion Ratio Lower Upper

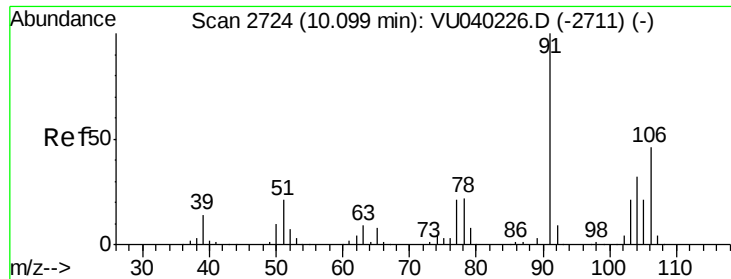
106 100

91 210.1 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040226.D (-2581) (-)

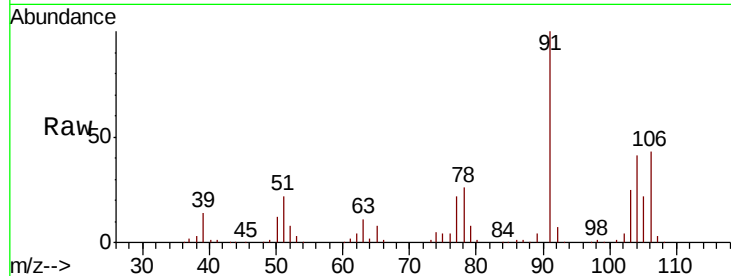




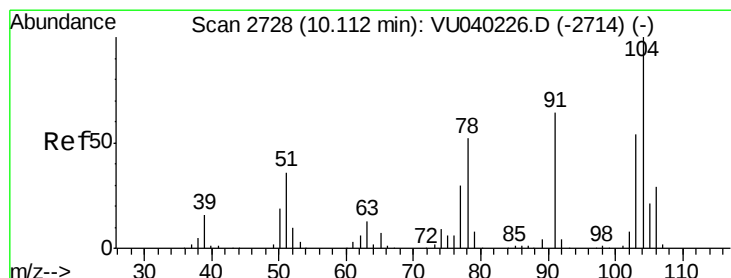
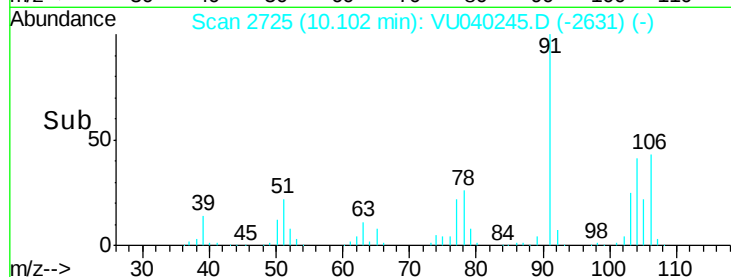
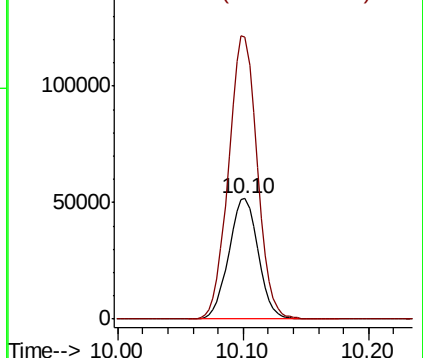
#54
o-Xylene
Concen: 5.018 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040245.D
Acq: 21 Sep 2020 19:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tot Ion:106 Resp: 84816
Ion Ratio Lower Upper
106 100
91 233.5 160.8 298.6

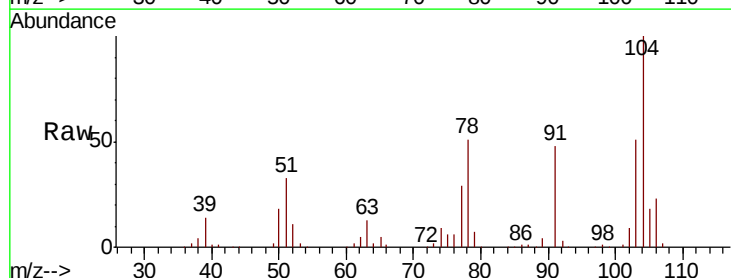


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

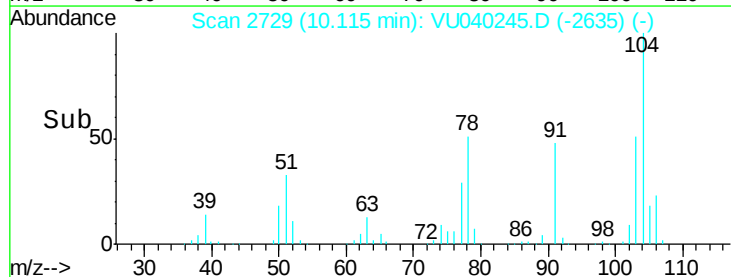
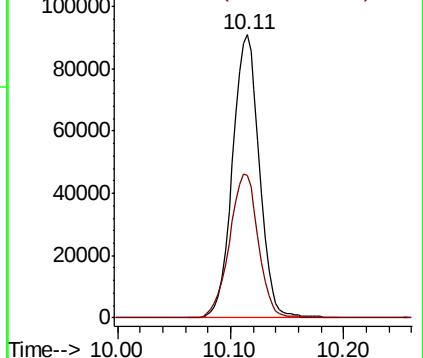


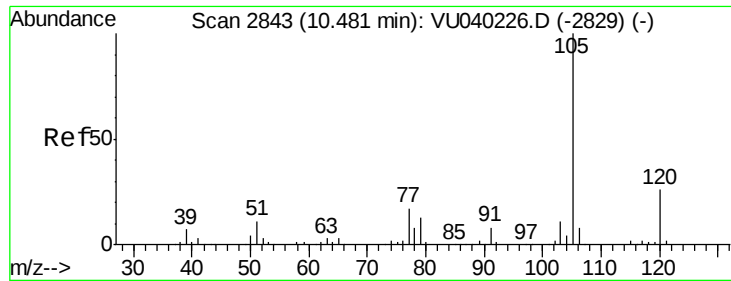
#55
Styrene
Concen: 5.103 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040245.D
Acq: 21 Sep 2020 19:41

Tgt Ion:104 Resp: 149994
Ion Ratio Lower Upper
104 100
78 50.6 36.8 68.3



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





#56

Isopropylbenzene

Concen: 4.994 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

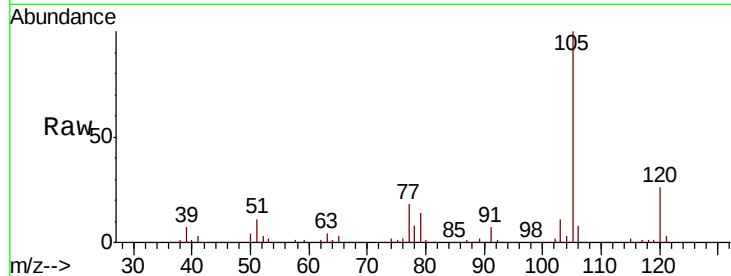
Tot Ion:105 Resp: 230185

Ion Ratio Lower Upper

105 100

120 26.1 20.1 30.1

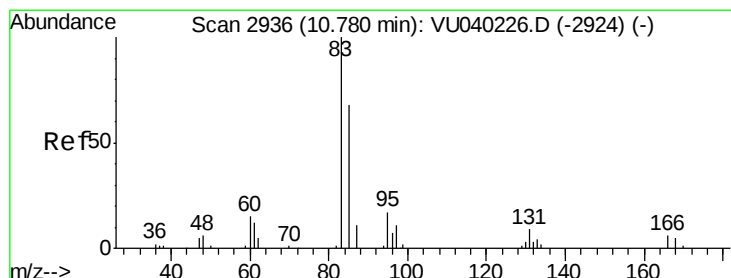
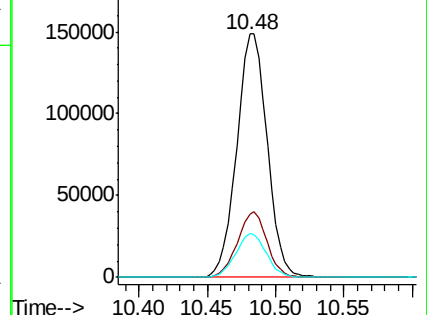
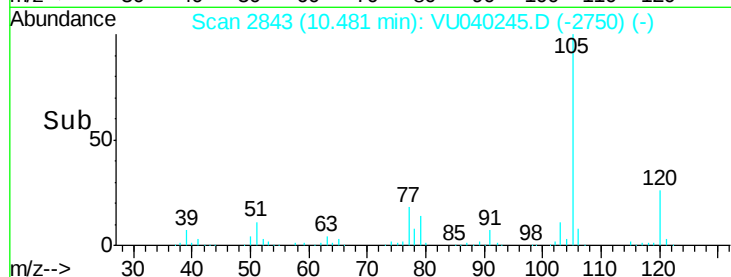
77 18.1 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.377 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

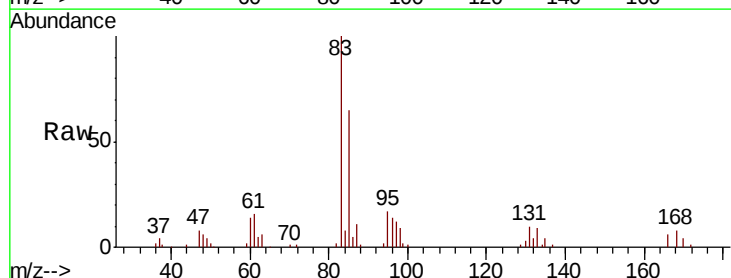
Tgt Ion: 83 Resp: 57896

Ion Ratio Lower Upper

83 100

85 65.1 44.9 83.3

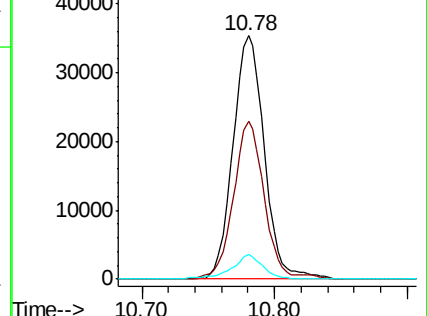
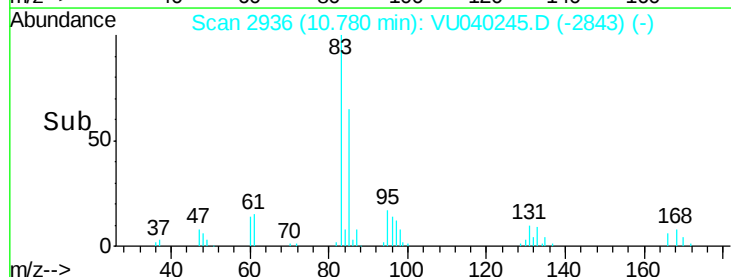
131 10.1 7.4 11.0

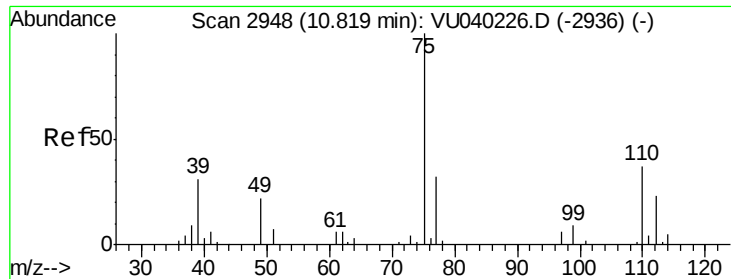


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

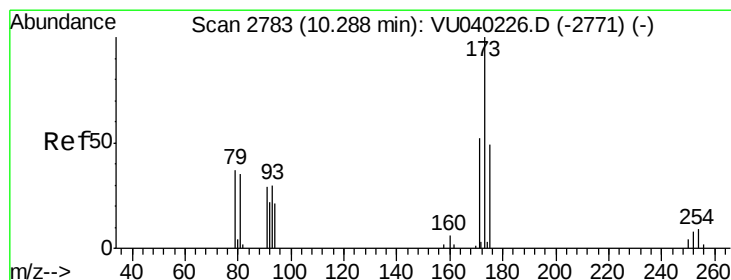
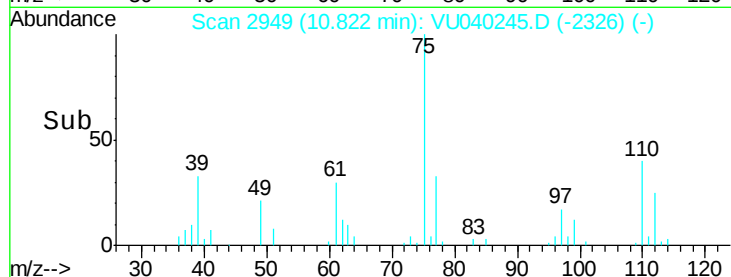
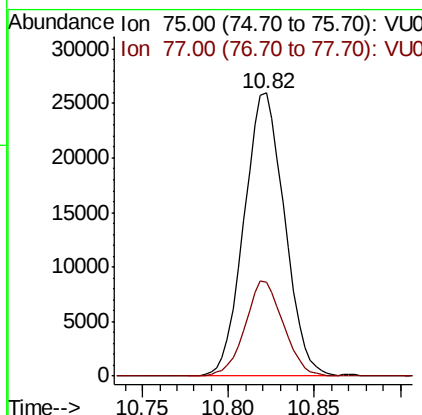
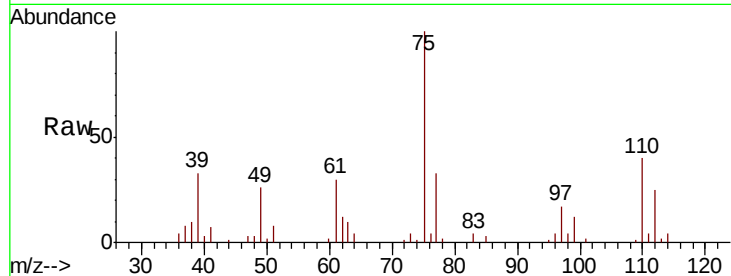




#59
 1,2,3-Trichloropropane
 Concen: 4.968 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

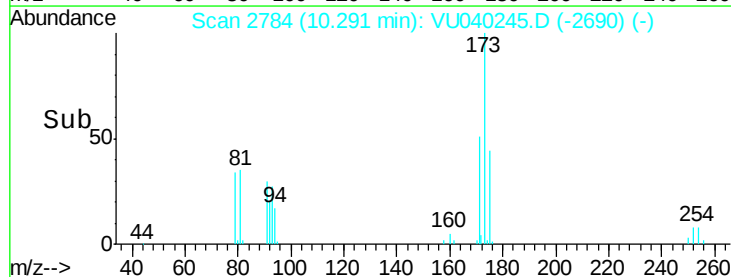
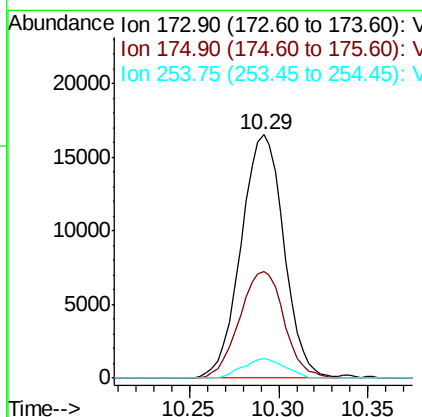
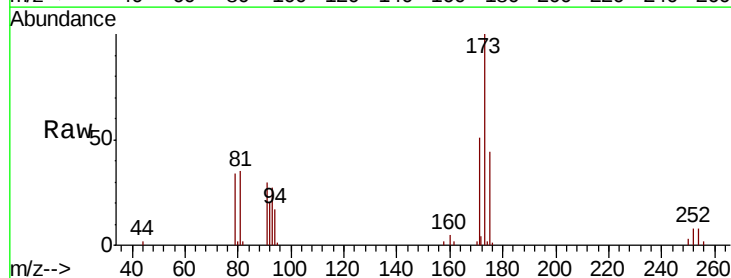
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

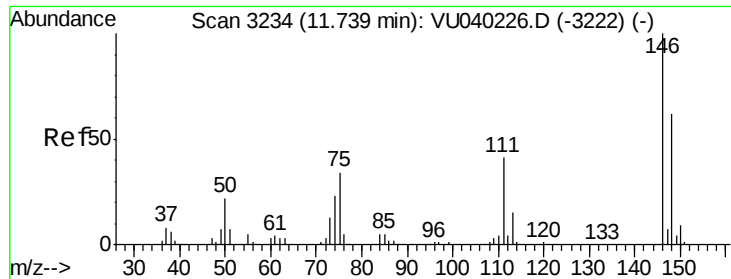
Tot Ion: 75 Resp: 42428
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.9 37.3



#61
 Bromoform
 Concen: 5.097 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

Tgt Ion: 173 Resp: 27736
 Ion Ratio Lower Upper
 173 100
 175 45.3 37.8 56.6
 254 7.8 6.8 10.2

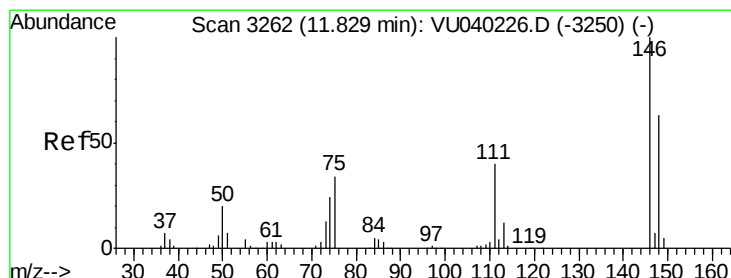
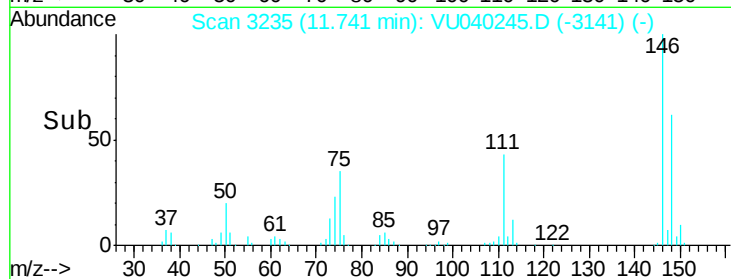
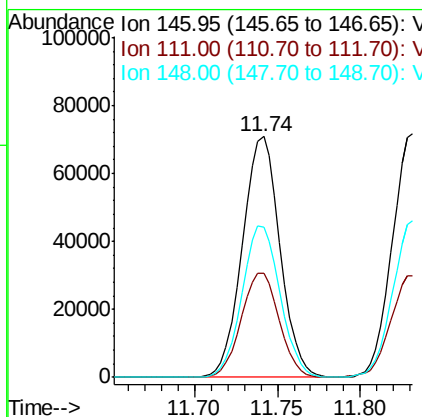
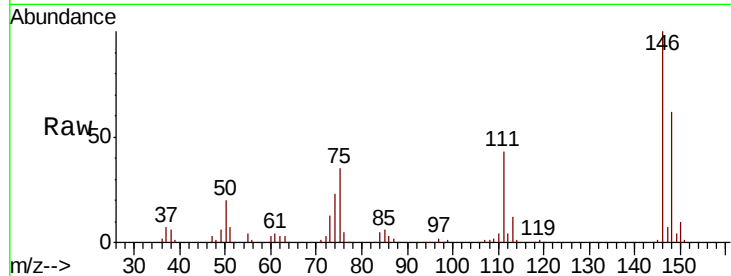




#62
 1,3-Dichlorobenzene
 Concen: 5.143 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

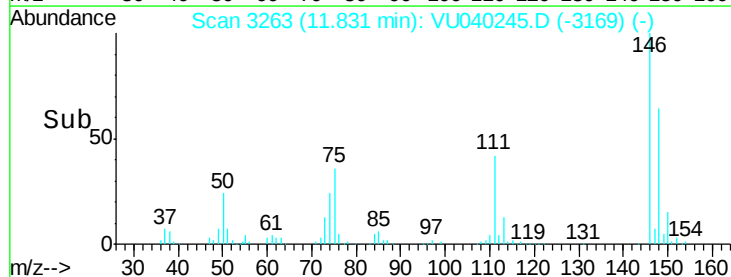
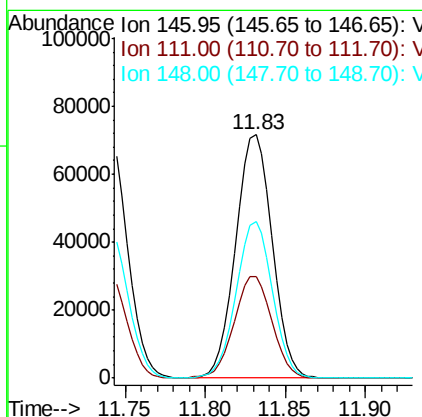
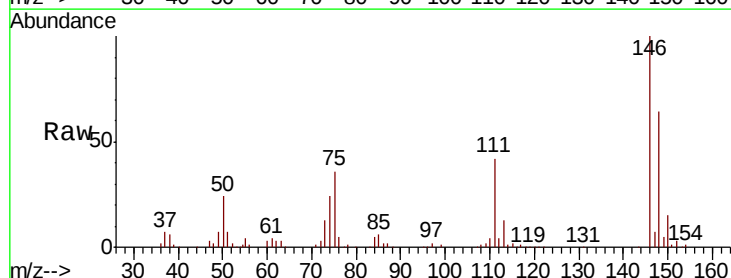
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

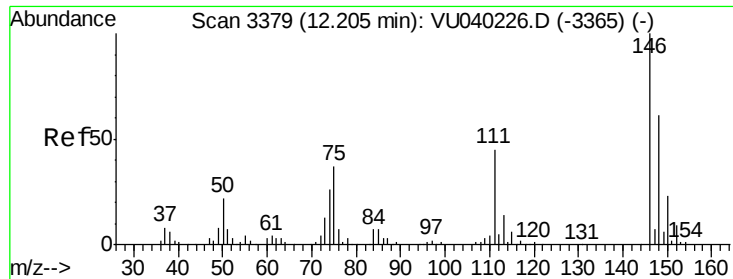
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	31.6	58.8
148	62.4	44.2	82.0



#63
 1,4-Dichlorobenzene
 Concen: 5.075 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	30.5	56.7
148	64.2	45.4	84.4





#65

1,2-Dichlorobenzene

Concen: 5.124 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

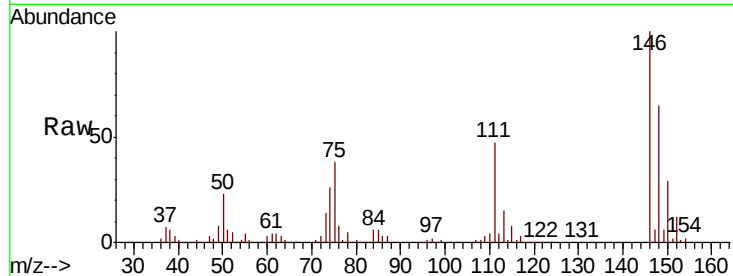
Tot Ion:146 Resp: 107507

Ion Ratio Lower Upper

146 100

111 47.0 36.5 54.7

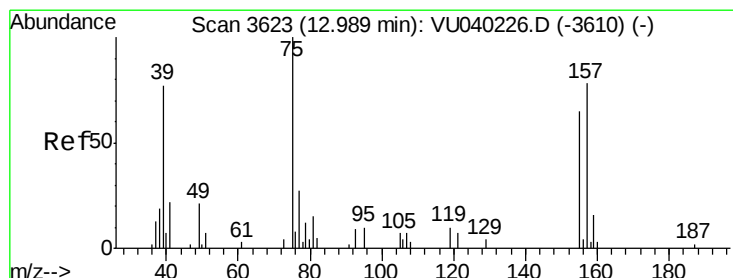
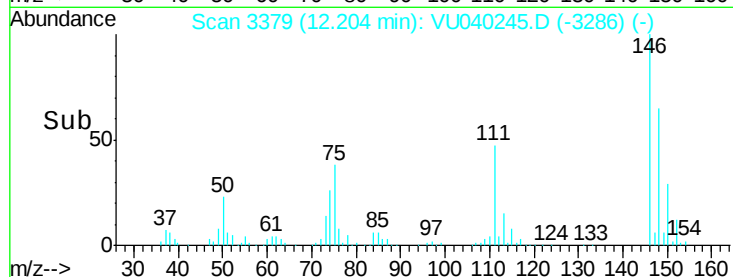
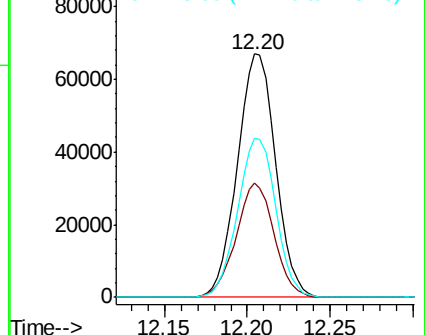
148 65.2 48.6 72.8



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: 4.369 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

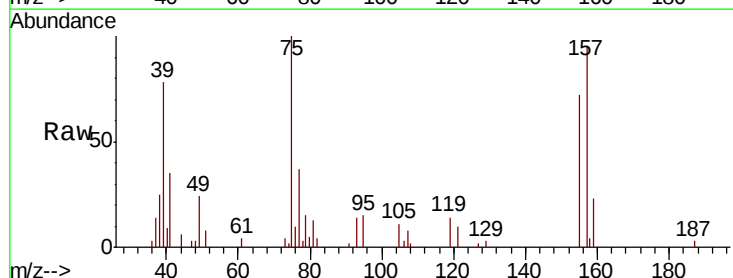
Tgt Ion: 75 Resp: 9805

Ion Ratio Lower Upper

75 100

155 71.9 54.6 82.0

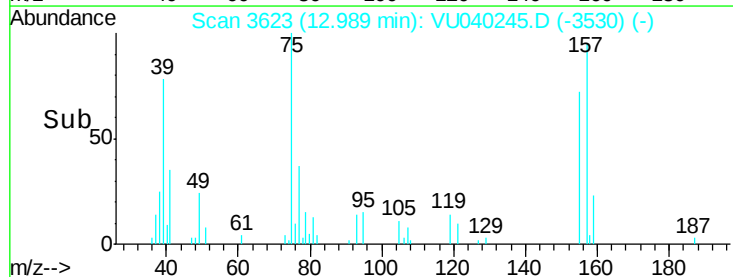
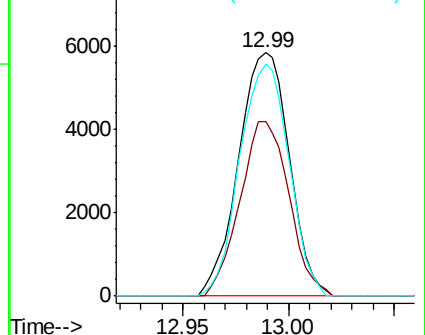
157 95.2 75.6 113.4

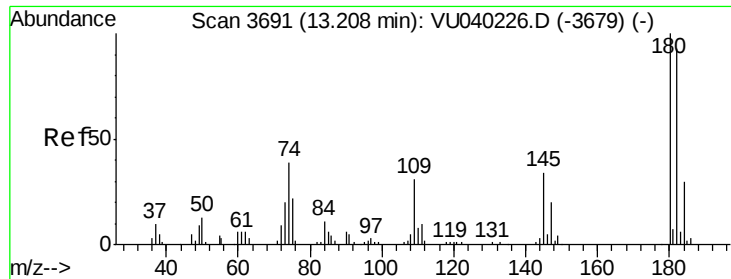


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

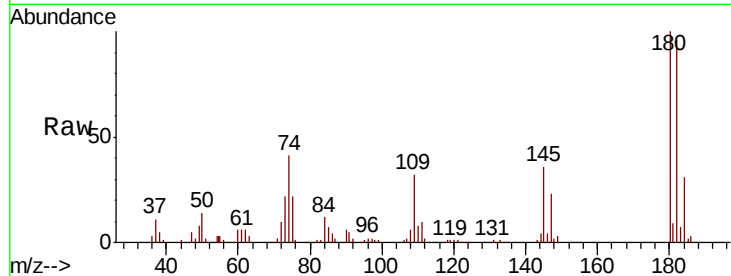




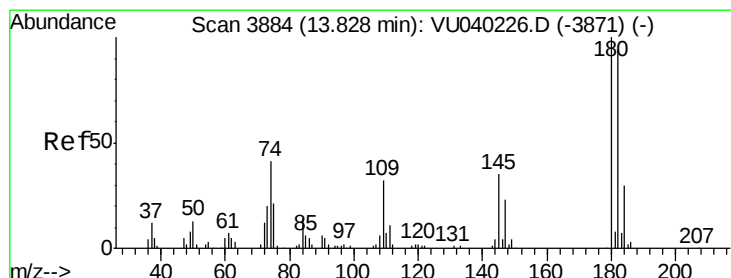
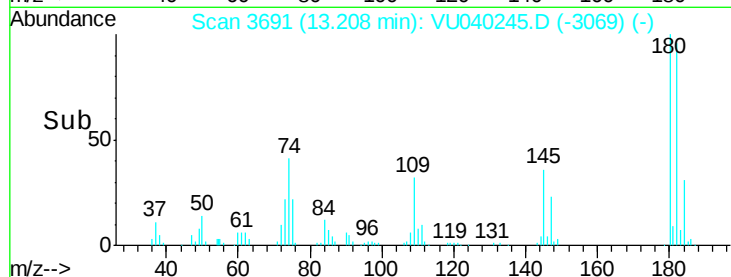
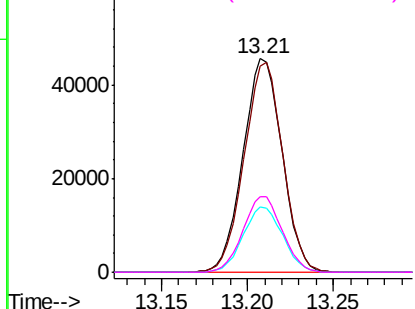
#67
 1,3,5-Trichlorobenzene
 Concen: 4.711 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tot Ion:180 Resp: 71834
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.9 115.3
 184 30.8 24.6 36.8
 145 35.5 27.0 40.6

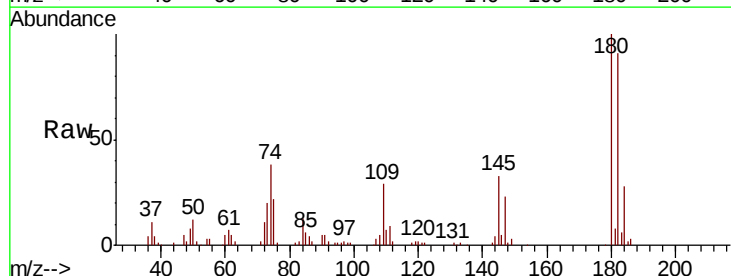


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

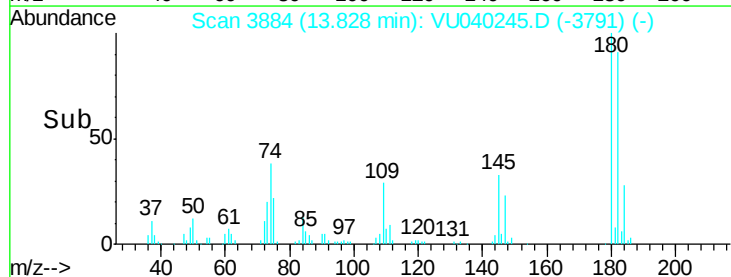
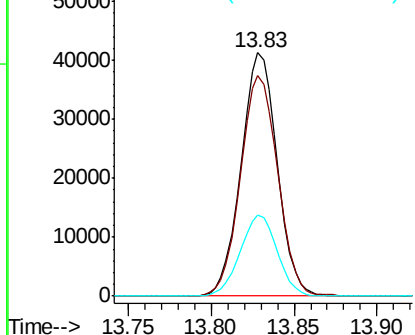


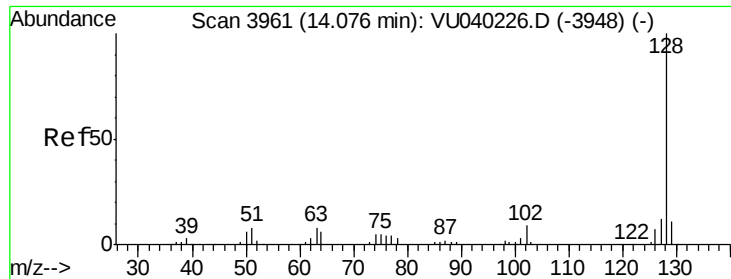
#68
 1,2,4-trichlorobenzene
 Concen: 4.750 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040245.D
 Acq: 21 Sep 2020 19:41

Tgt Ion:180 Resp: 62380
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.0 114.0
 145 34.3 28.4 42.6



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: 4.313 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

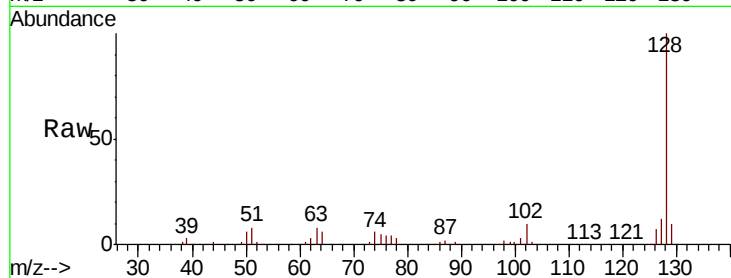
Tot Ion:128 Resp: 118072

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

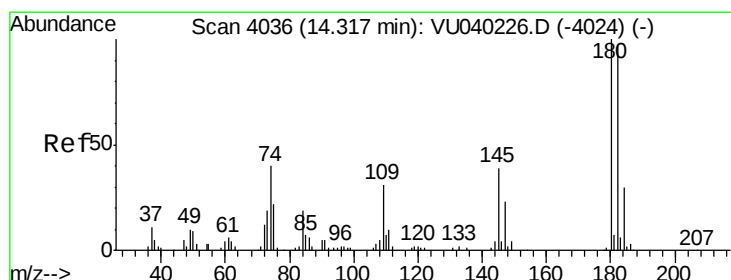
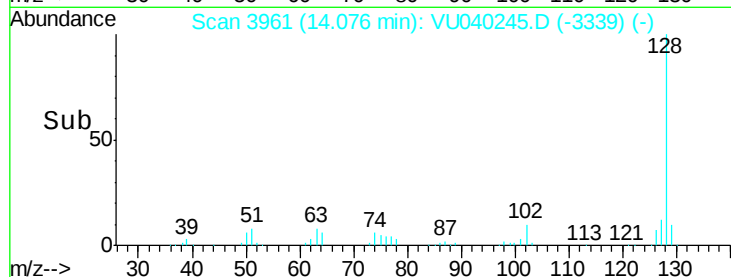
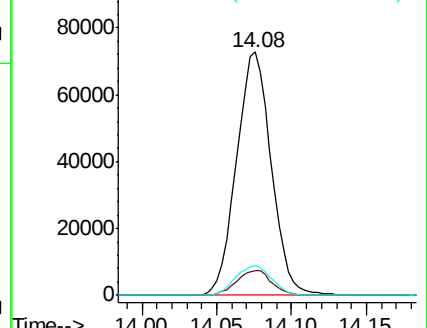
127 12.6 10.7 16.1



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: 4.749 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040245.D

Acq: 21 Sep 2020 19:41

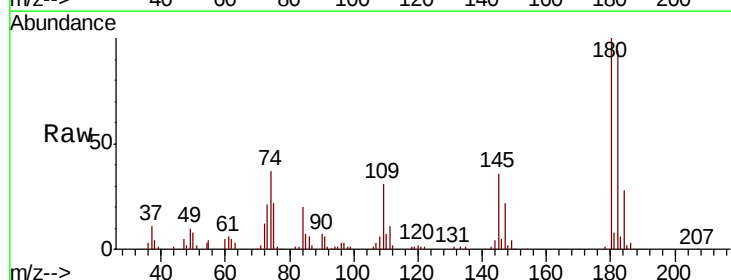
Tgt Ion:180 Resp: 57290

Ion Ratio Lower Upper

180 100

182 95.2 77.8 116.6

145 37.7 28.7 43.1



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

