

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\
 Data File : VU041090.D
 Acq On : 03 Nov 2020 20:04
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Quant Time: Nov 04 01:02:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 04 00:51:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	51690	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	51997	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27035	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	17533	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	1.92	69	13611	4.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.60%
11) 1,1-Dichloroethene-d2	2.58	63	34773	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	4.65	46	82699	57.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.66%
24) Chloroform-d	5.08	84	35400	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.72	65	23461	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.75	84	64281	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.70	67	22390	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.91	98	57377	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	8.19	79	9775	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.64	63	60273	57.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.08%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	21499	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	21362	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	22525	4.773 ug/L	99
3) Chloromethane	1.53	50	23132	4.701 ug/L	98
5) Vinyl chloride	1.61	62	23219	4.783 ug/L	99
6) Bromomethane	1.87	94	12649	4.546 ug/L	98
8) Chloroethane	1.94	64	13931	4.529 ug/L	96
9) Trichlorofluoromethane	2.15	101	32420	4.913 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	19426	5.023 ug/L	98
12) 1,1-Dichloroethene	2.59	96	16972	4.648 ug/L	94
13) Acetone	2.66	43	49961	51.101 ug/L #	59
14) Carbon disulfide	2.81	76	53524	4.387 ug/L	97
15) Methyl Acetate	2.97	43	12429	5.556 ug/L	91
16) Methylene chloride	3.06	84	20720	4.870 ug/L	98
17) Methyl tert-butyl Ether	3.38	73	46970	4.998 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	17484	4.712 ug/L	97
19) 1,1-Dichloroethane	3.89	63	37921	5.112 ug/L	96
21) 2-Butanone	4.73	43	83299	54.513 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	19383	5.064 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110320\
 Data File : VU041090.D
 Acq On : 03 Nov 2020 20:04
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

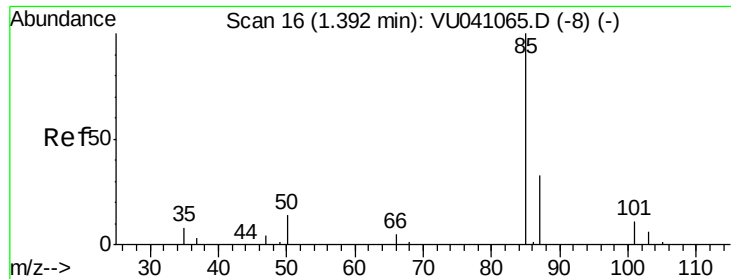
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Quant Time: Nov 04 01:02:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 04 00:51:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.99	128	9519	5.272	ug/L	94
25) Chloroform	5.11	83	40507	5.445	ug/L	100
27) 1,2-Dichloroethane	5.81	62	28964	5.227	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	31836	5.006	ug/L	98
30) Cyclohexane	5.40	56	30019	4.791	ug/L	98
31) Carbon tetrachloride	5.54	117	27974	4.968	ug/L	100
33) Benzene	5.79	78	77708	5.002	ug/L	100
34) Trichloroethene	6.56	95	20644	5.221	ug/L	96
35) Methylcyclohexane	6.77	83	28242	4.789	ug/L	98
37) 1,2-Dichloropropane	6.80	63	22716	5.403	ug/L #	96
38) Bromodichloromethane	7.11	83	27875	5.112	ug/L	95
39) cis-1,3-Dichloropropene	7.61	75	29650	5.122	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	192554	57.445	ug/L	97
42) Toluene	7.98	91	82068	5.209	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	28254	5.216	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	16481	5.266	ug/L	93
47) Tetrachloroethene	8.56	164	14420	4.960	ug/L	98
48) 2-Hexanone	8.69	43	146173	57.915	ug/L	98
49) Dibromochloromethane	8.82	129	19049	5.241	ug/L	98
50) 1,2-Dibromoethane	8.93	107	15812	5.302	ug/L	97
51) Chlorobenzene	9.45	112	50050	5.010	ug/L	100
52) Ethylbenzene	9.57	91	83586	5.040	ug/L	98
53) m,p-Xylene	9.69	106	30918	5.112	ug/L	98
54) o-Xylene	10.10	106	29951	5.317	ug/L	100
55) Styrene	10.11	104	52926	5.274	ug/L	100
56) Isopropylbenzene	10.48	105	80503	5.315	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	21848	5.316	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	16990	5.423	ug/L	97
61) Bromoform	10.29	173	10965	5.263	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	40140	5.144	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	41615	5.149	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	38669	5.021	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	3833	5.078	ug/L	97
67) 1,3,5-Trichlorobenzene	13.21	180	27885	5.109	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	22283	4.928	ug/L	99
69) Naphthalene	14.08	128	37998	4.700	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	21367	5.127	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.773 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

Instrument :

MSVOA_U

ClientSampleId :

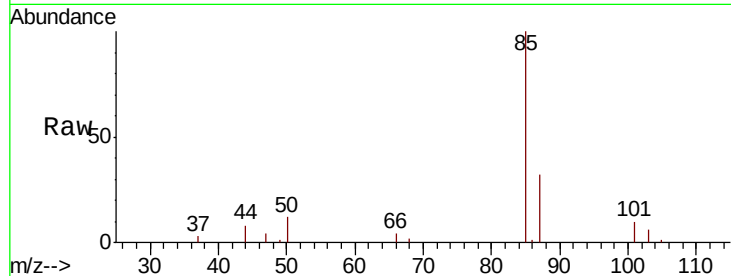
VSTD00514

Tot Ion: 85 Resp: 22525

Ion Ratio Lower Upper

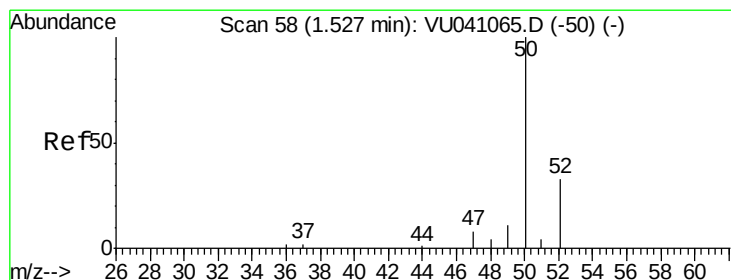
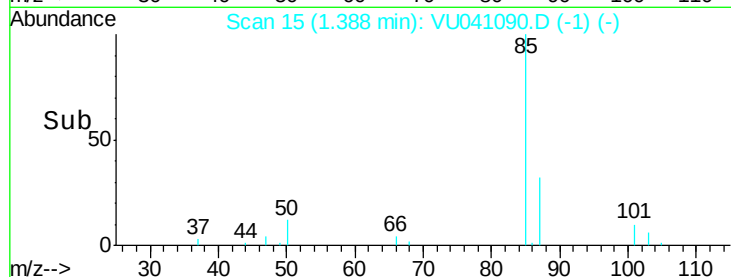
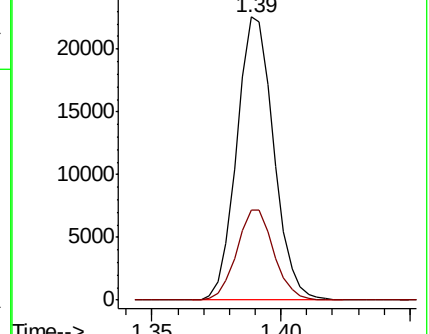
85 100

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: 4.701 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041090.D

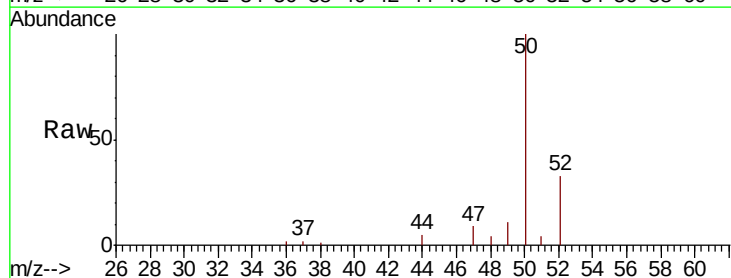
Acq: 03 Nov 2020 20:04

Tgt Ion: 50 Resp: 23132

Ion Ratio Lower Upper

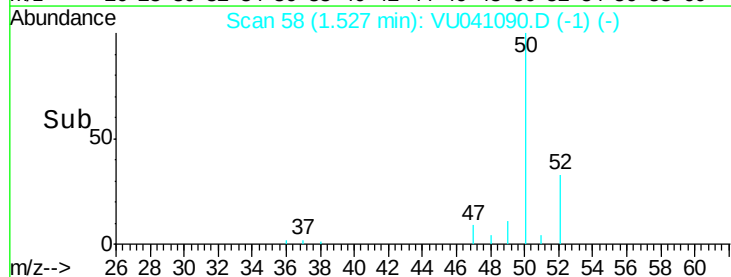
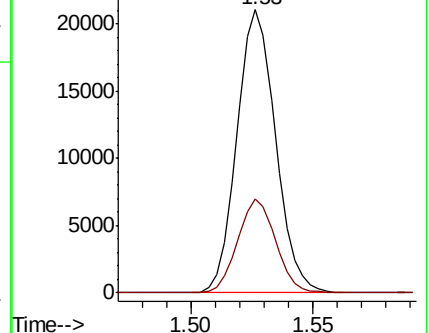
50 100

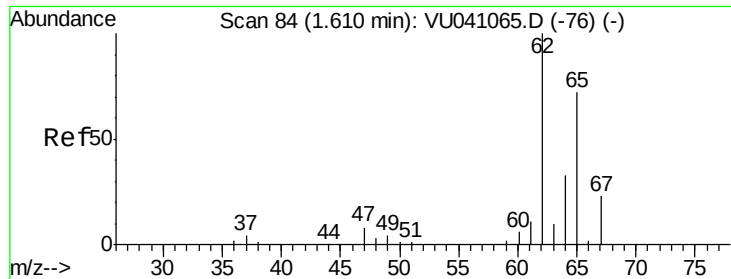
52 33.0 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.783 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

Instrument :

MSVOA_U

ClientSampleId :

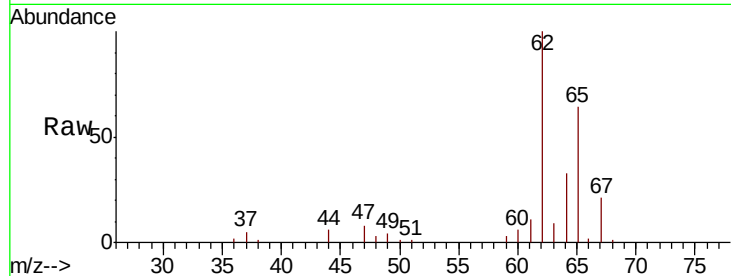
VSTD00514

Tot Ion: 62 Resp: 23219

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

20000

15000

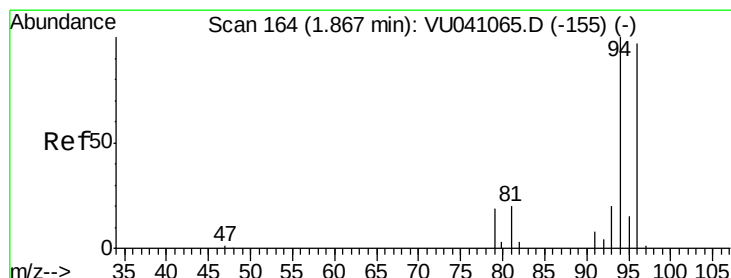
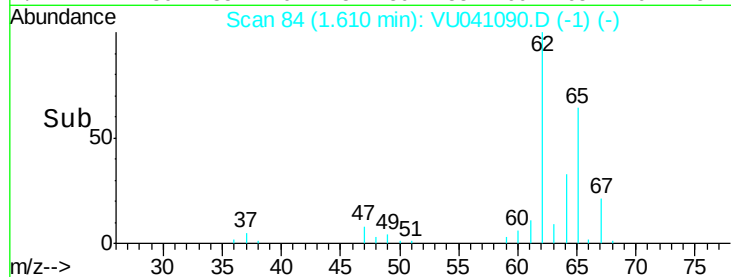
10000

5000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 4.546 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041090.D

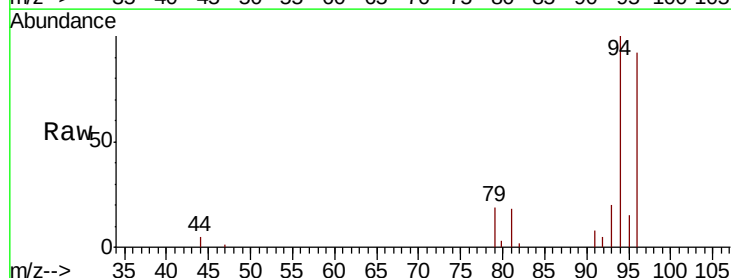
Acq: 03 Nov 2020 20:04

Tgt Ion: 94 Resp: 12649

Ion Ratio Lower Upper

94 100

96 92.3 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

12000

10000

8000

6000

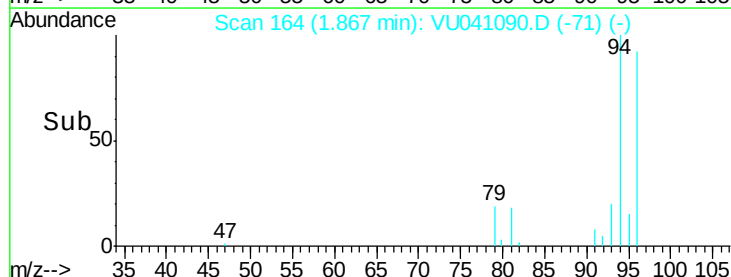
4000

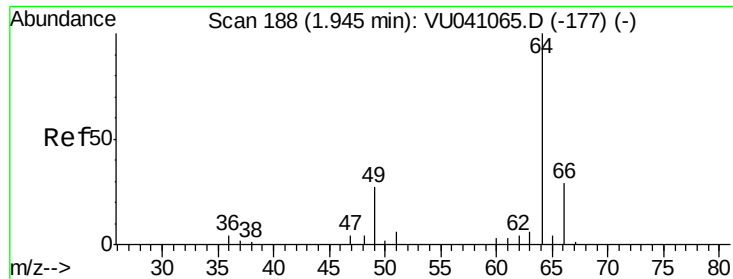
2000

0

1.85 1.90

Time-->





#8

Chloroethane

Concen: 4.529 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

Instrument :

MSVOA_U

ClientSampleId :

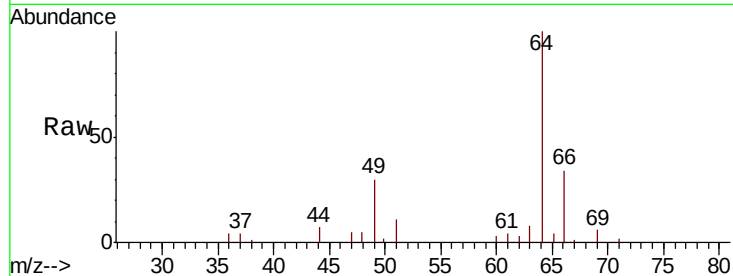
VSTD00514

Tot Ion: 64 Resp: 13931

Ion Ratio Lower Upper

64 100

66 33.9 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU041065.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU041065.D (-177) (-)

1.94

12000

10000

8000

6000

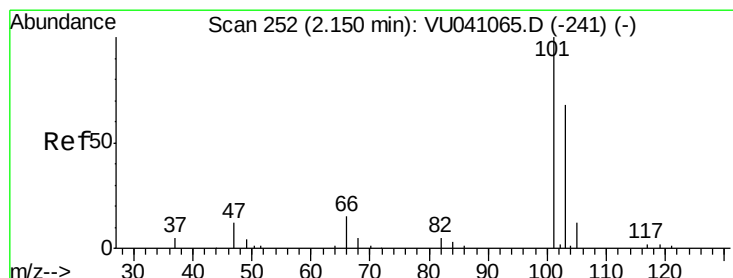
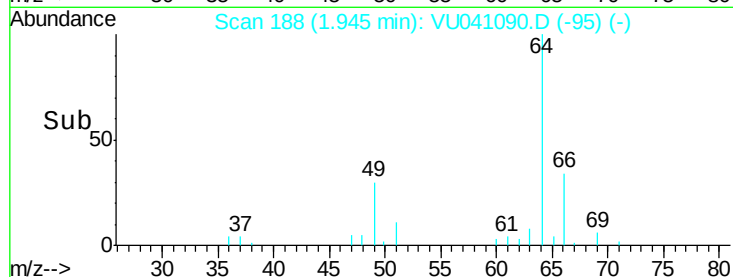
4000

2000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 4.913 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU041090.D

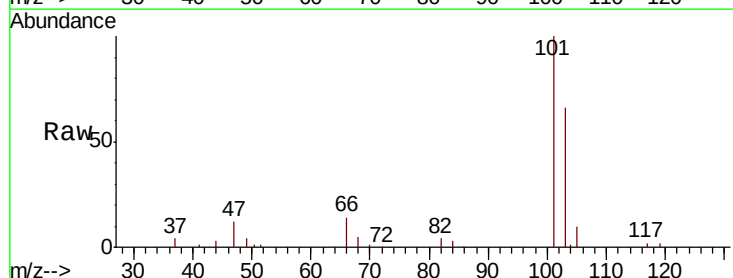
Acq: 03 Nov 2020 20:04

Tgt Ion: 101 Resp: 32420

Ion Ratio Lower Upper

101 100

103 64.8 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041065.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU041065.D (-241) (-)

2.15

25000

20000

15000

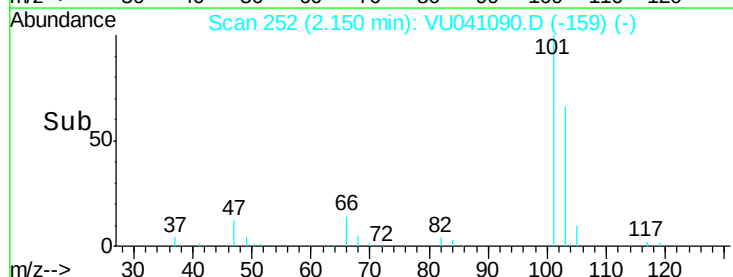
10000

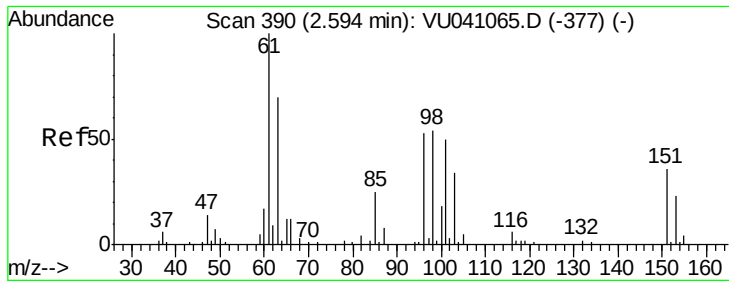
5000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 5.023 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

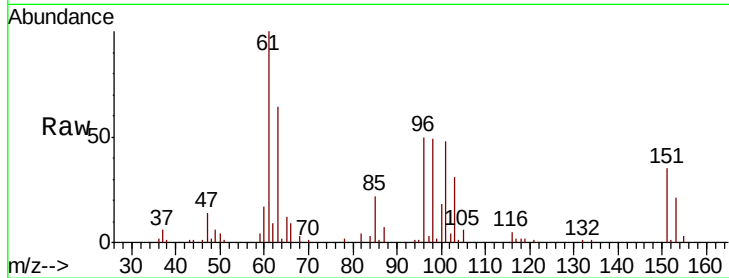
Tot Ion:101 Resp: 19426

Ion Ratio Lower Upper

101 100

85 45.2 35.0 52.4

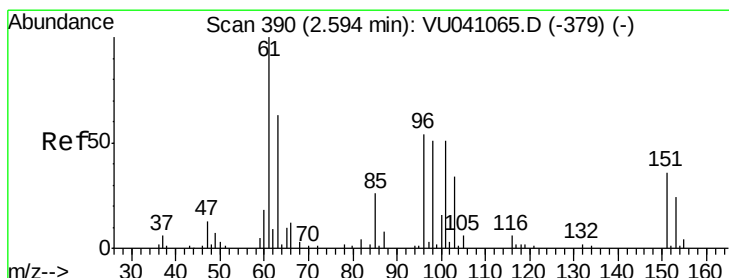
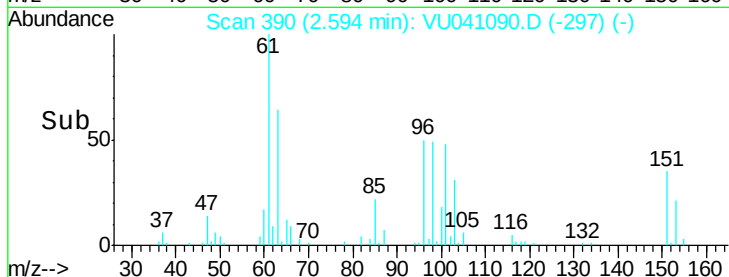
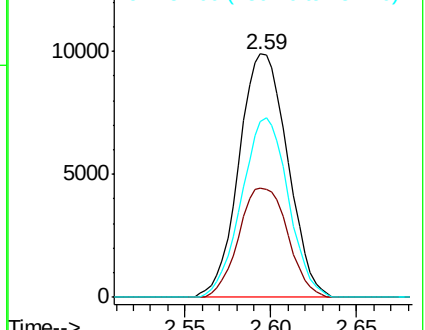
151 70.9 55.3 82.9



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: 4.648 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

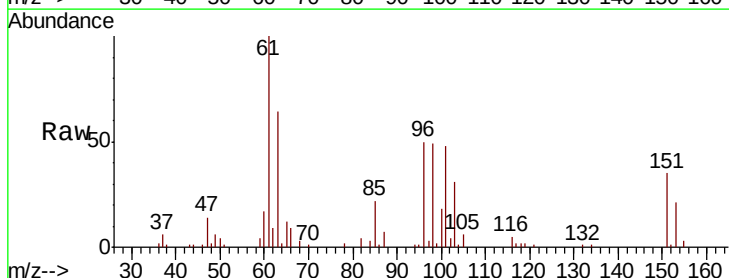
Tgt Ion: 96 Resp: 16972

Ion Ratio Lower Upper

96 100

61 201.5 134.3 249.5

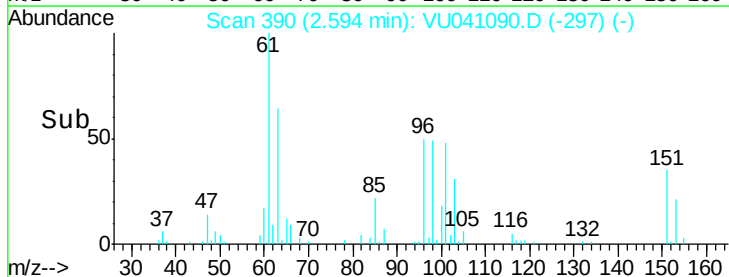
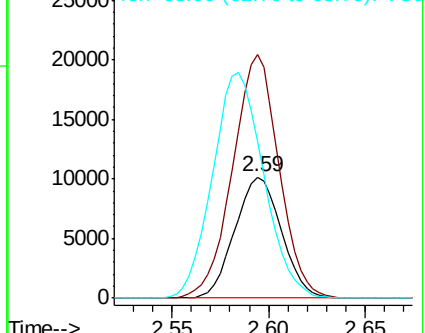
63 129.3 95.0 176.4

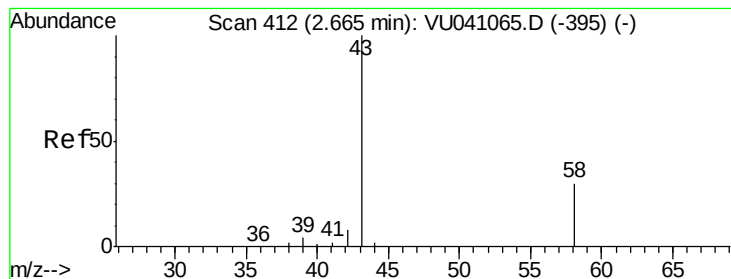


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.101 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

Instrument :

MSVOA_U

ClientSampleId :

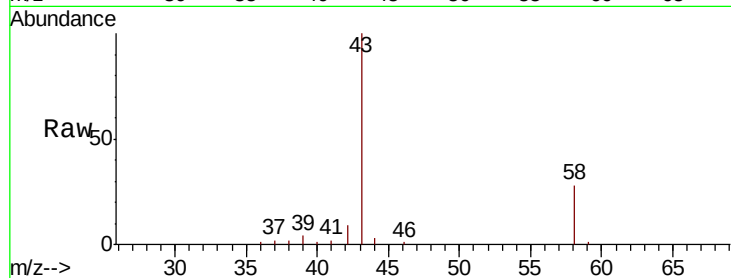
VSTD00514

Tot Ion: 43 Resp: 49961

Ion Ratio Lower Upper

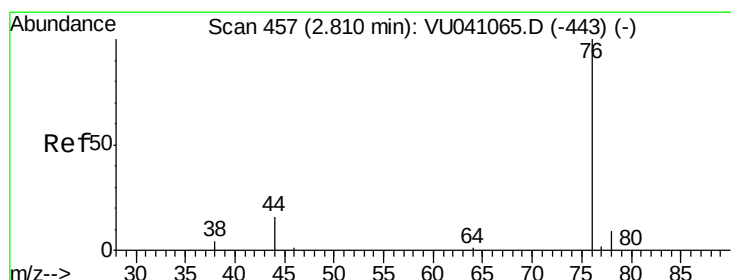
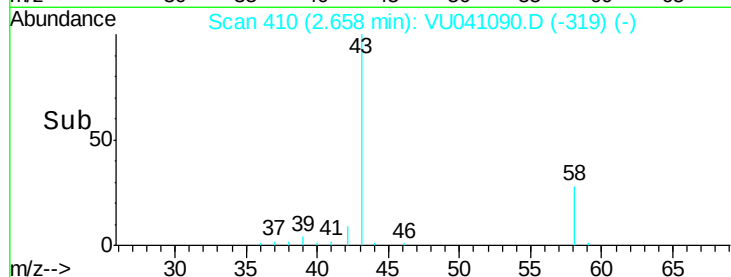
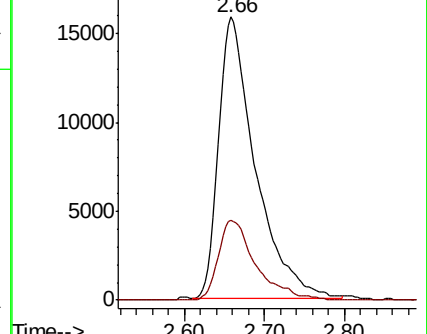
43 100

58 29.0 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041065.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041065.D (-395) (-)



#14

Carbon disulfide

Concen: 4.387 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041090.D

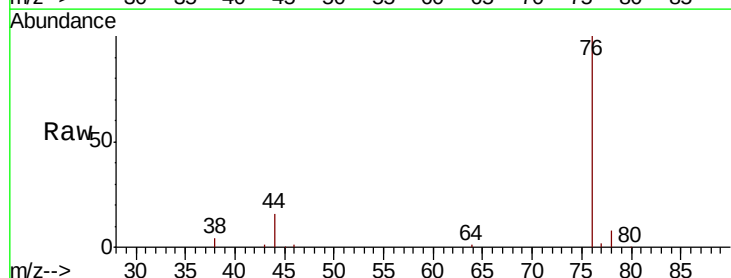
Acq: 03 Nov 2020 20:04

Tgt Ion: 76 Resp: 53524

Ion Ratio Lower Upper

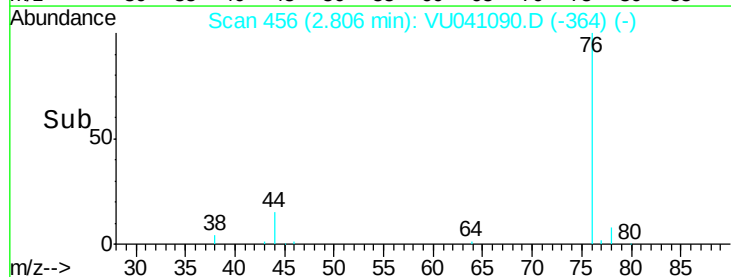
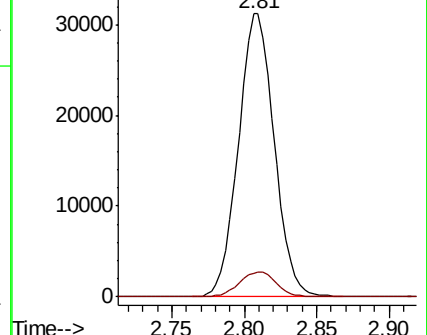
76 100

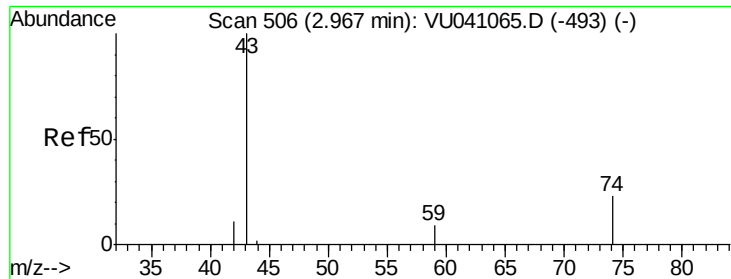
78 8.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041065.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041065.D (-443) (-)

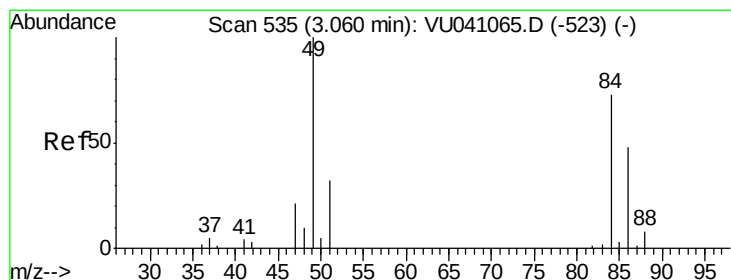
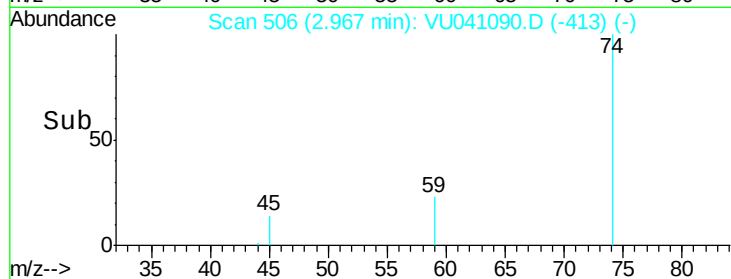
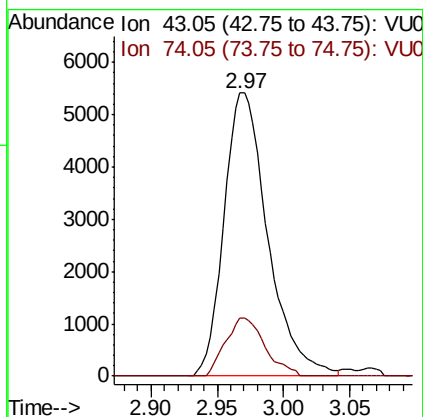
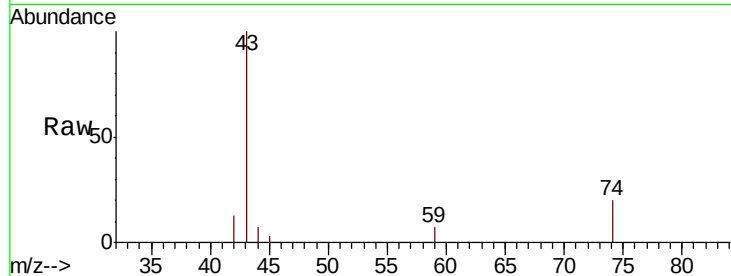




#15
Methvl Acetate
Concen: 5.556 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU041090.D
Acq: 03 Nov 2020 20:04

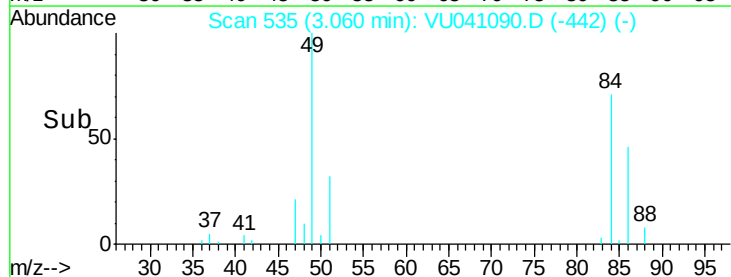
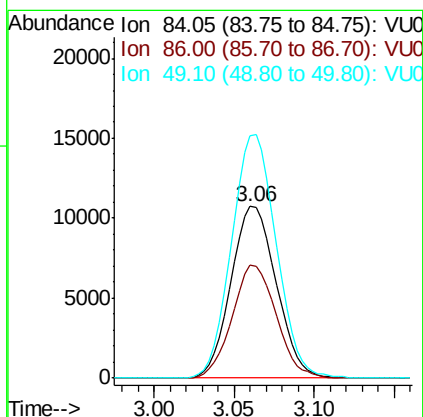
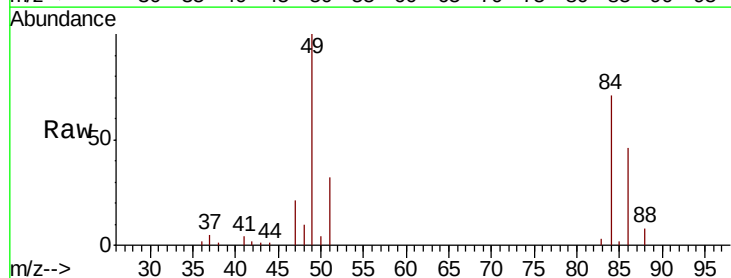
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

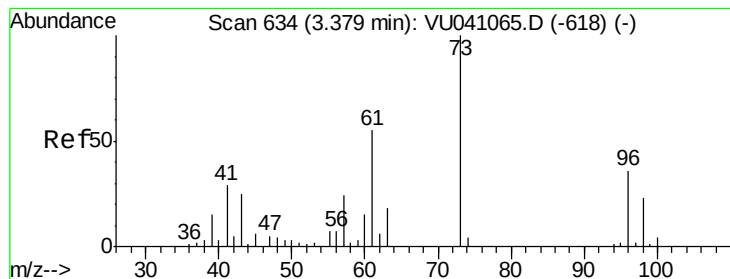
Tot Ion: 43 Resp: 12429
Ion Ratio Lower Upper
43 100
74 18.4 18.3 27.5



#16
Methylene chloride
Concen: 4.870 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041090.D
Acq: 03 Nov 2020 20:04

Tgt Ion: 84 Resp: 20720
Ion Ratio Lower Upper
84 100
86 65.4 42.8 79.6
49 140.9 99.5 184.7





#17

Methyl tert-butyl Ether

Concen: 4.998 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

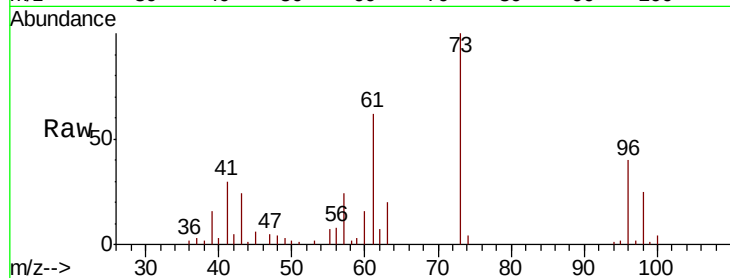
Tot Ion: 73 Resp: 46970

Ion Ratio Lower Upper

73 100

43 24.6 18.5 27.7

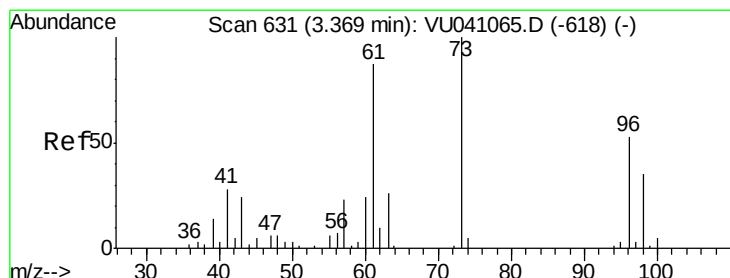
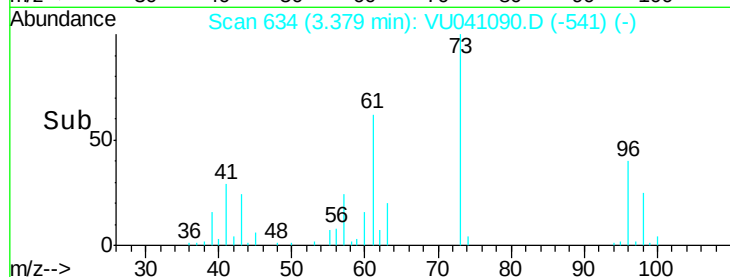
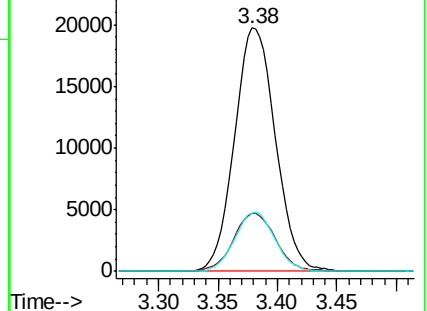
57 23.9 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VU041090.D (-541) (-)

Ion 43.05 (42.75 to 43.75): VU041090.D (-541) (-)

Ion 57.10 (56.80 to 57.80): VU041090.D (-541) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.712 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

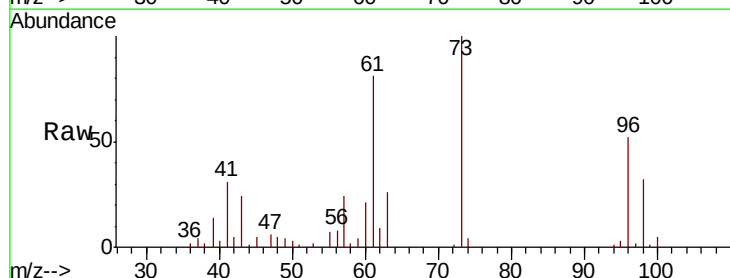
Tgt Ion: 96 Resp: 17484

Ion Ratio Lower Upper

96 100

61 155.3 110.9 205.9

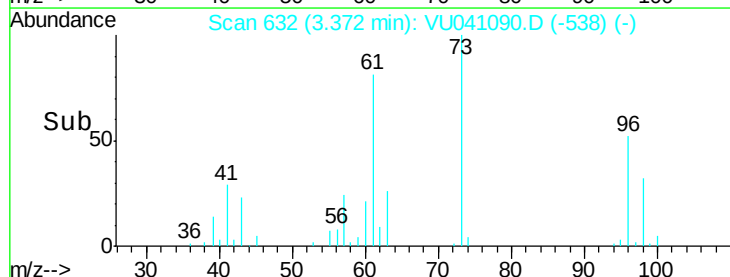
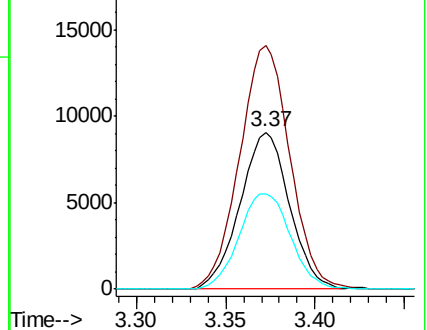
98 60.6 45.4 84.2

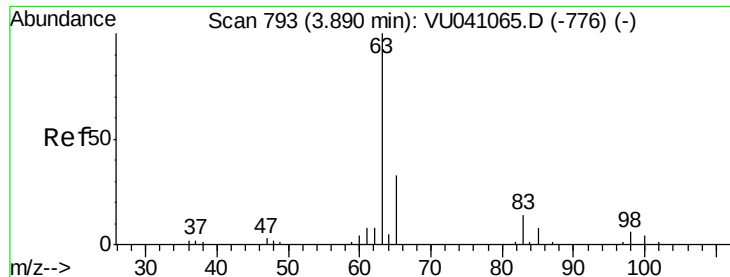


Abundance Ion 96.00 (95.70 to 96.70): VU041090.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU041090.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU041090.D (-538) (-)

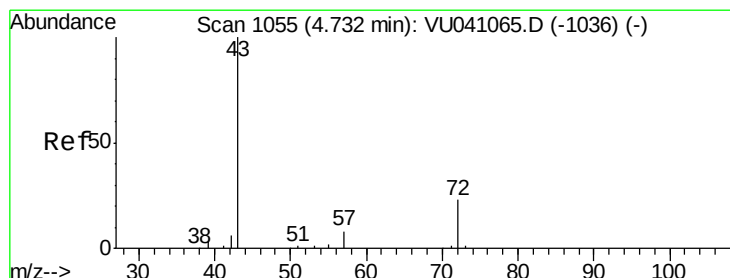
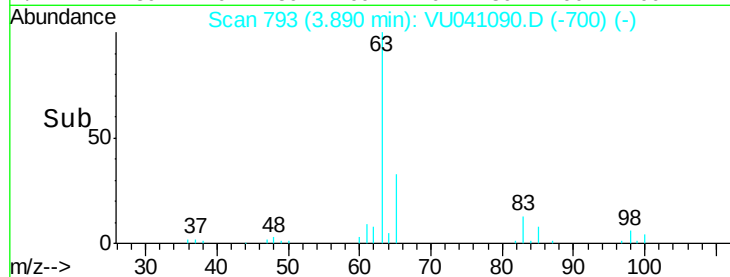
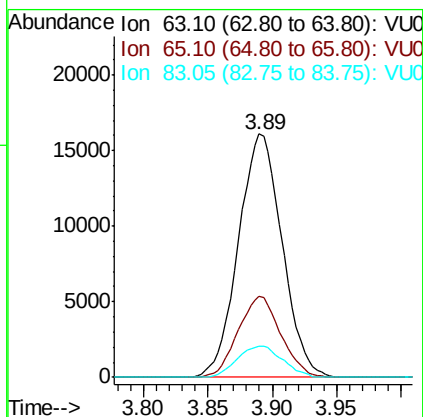
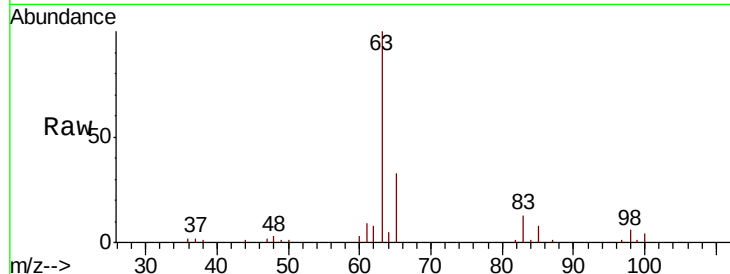




#19
 1,1-Dichloroethane
 Concen: 5.112 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

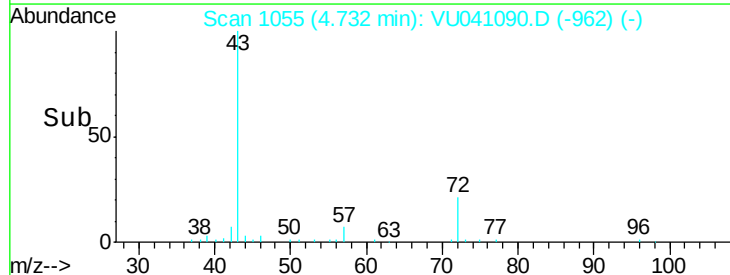
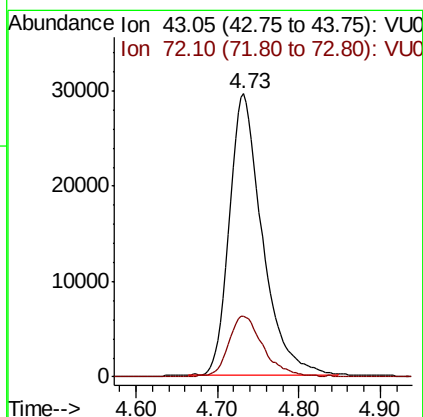
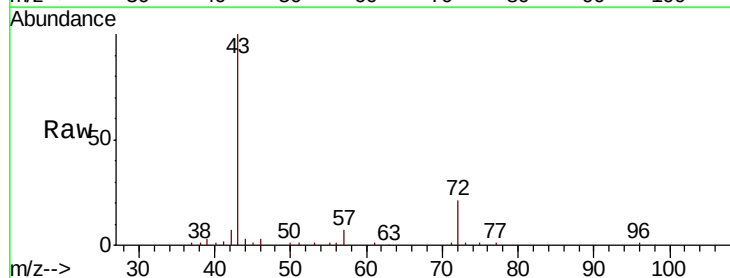
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

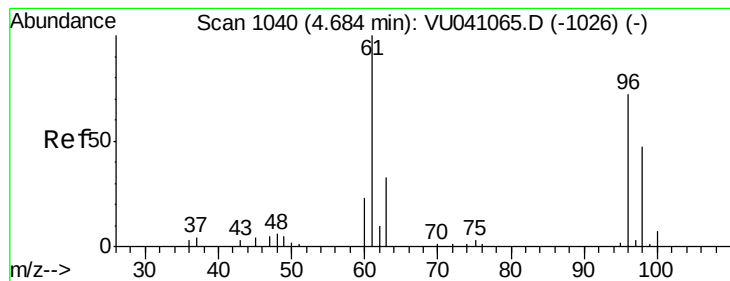
Tot Ion: 63 Resp: 37921
 Ion Ratio Lower Upper
 63 100
 65 33.2 21.3 39.6
 83 13.0 8.8 16.3



#21
 2-Butanone
 Concen: 54.513 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

Tgt Ion: 43 Resp: 83299
 Ion Ratio Lower Upper
 43 100
 72 22.7 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 5.064 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

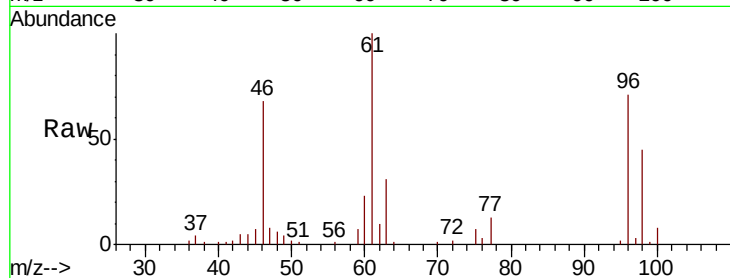
Tot Ion: 96 Resp: 19383

Ion Ratio Lower Upper

96 100

61 140.6 97.2 180.4

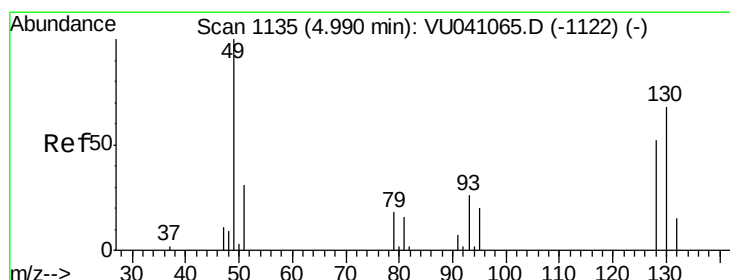
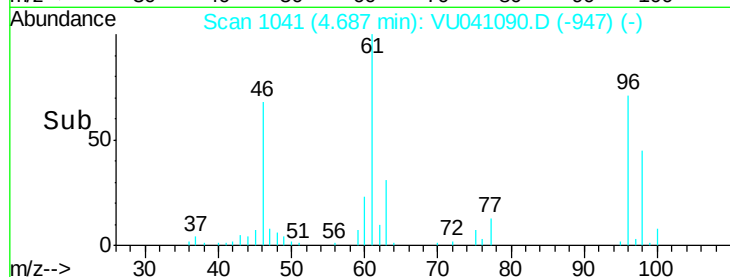
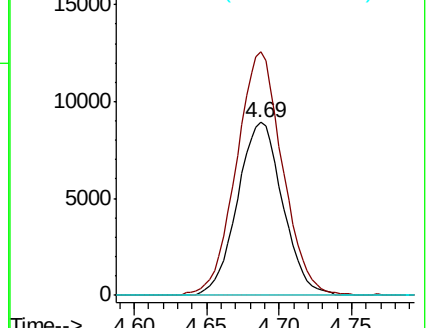
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041090.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041090.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041090.D (-947) (-)



#23

Bromochloromethane

Concen: 5.272 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

Tgt Ion: 128 Resp: 9519

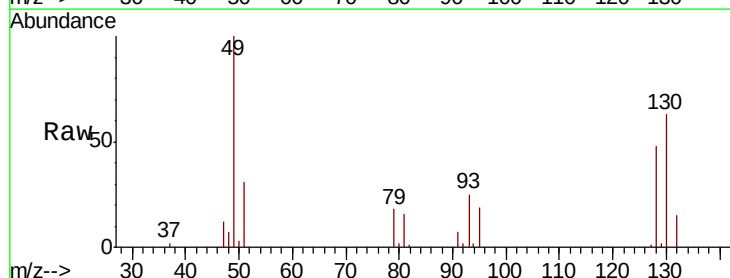
Ion Ratio Lower Upper

128 100

49 207.6 135.0 250.8

130 130.1 89.9 167.0

51 63.4 51.9 77.9

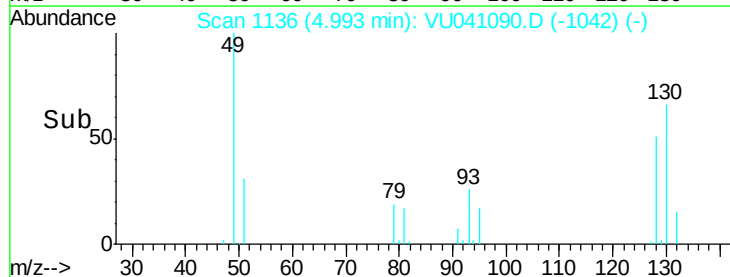
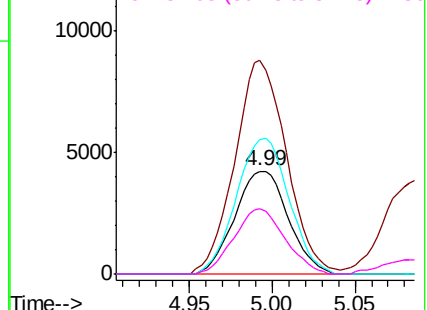


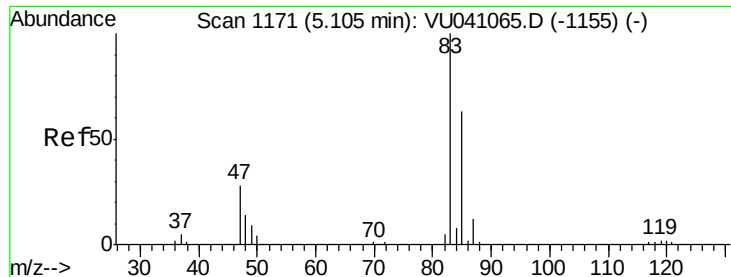
Abundance Ion 127.90 (127.60 to 128.60): VU041090.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU041090.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU041090.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU041090.D (-1042) (-)

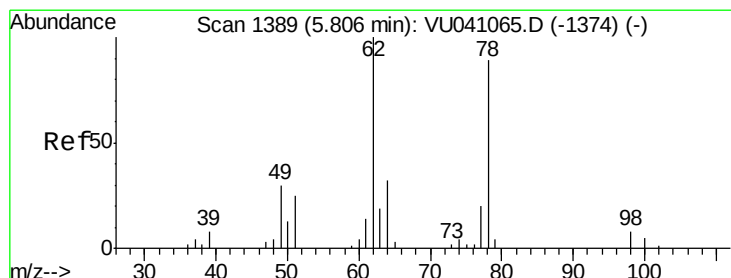
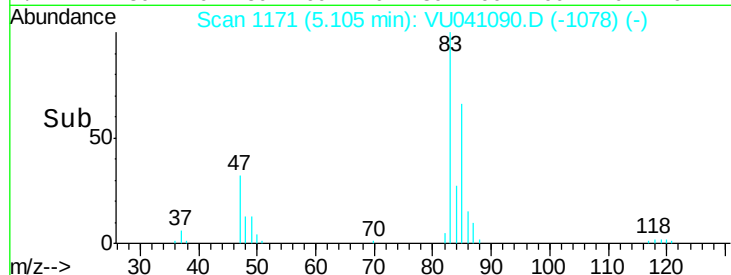
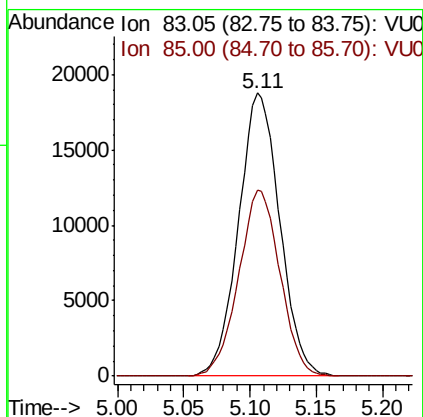
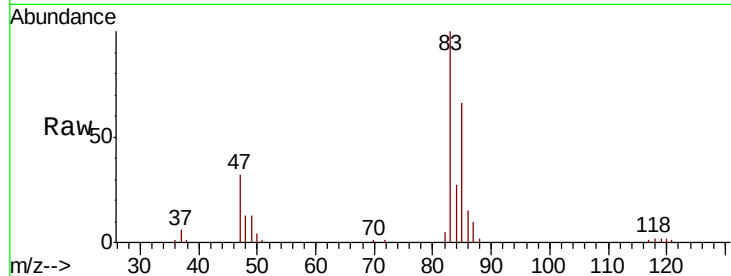




#25
Chloroform
Concen: 5.445 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041090.D
Acq: 03 Nov 2020 20:04

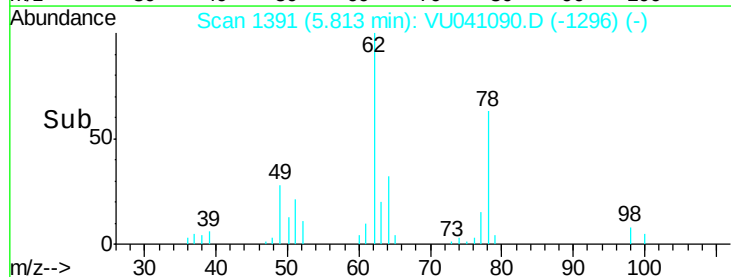
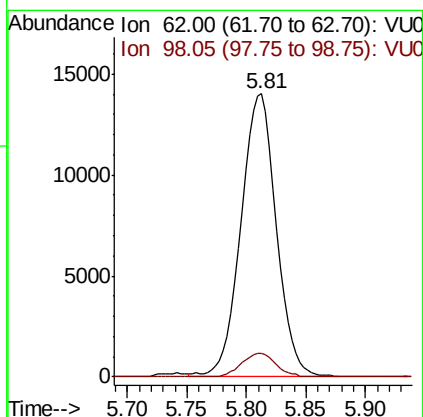
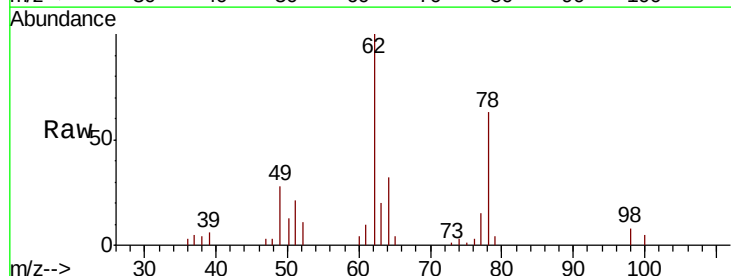
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

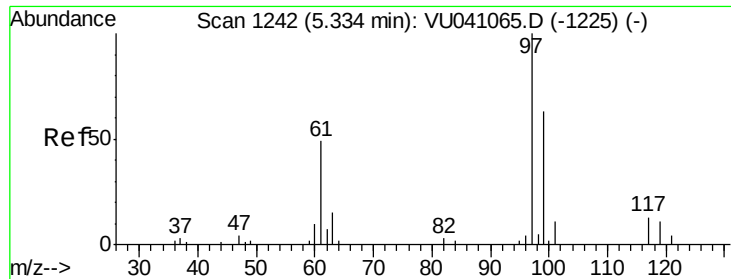
Tot Ion: 83 Resp: 40507
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.227 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.01 min
Lab File: VU041090.D
Acq: 03 Nov 2020 20:04

Tgt Ion: 62 Resp: 28964
Ion Ratio Lower Upper
62 100
98 8.2 7.6 11.4



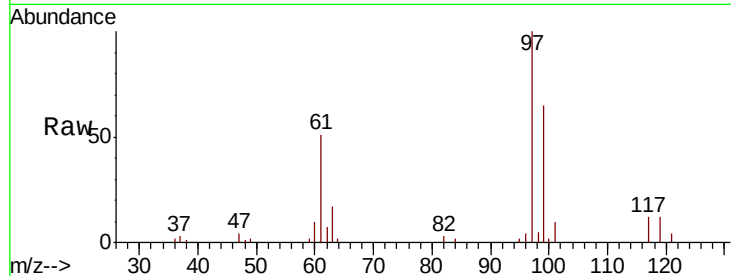


#29
 1,1,1-Trichloroethane
 Concen: 5.006 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

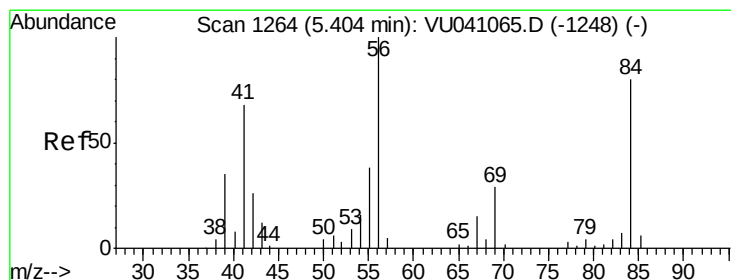
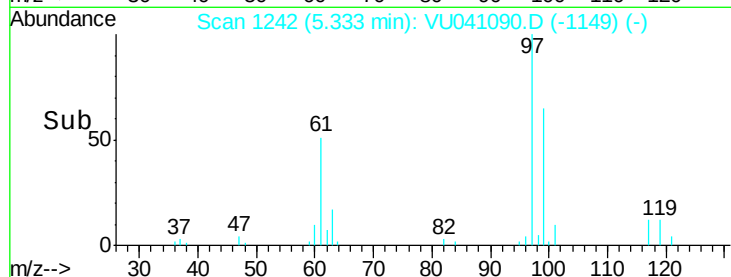
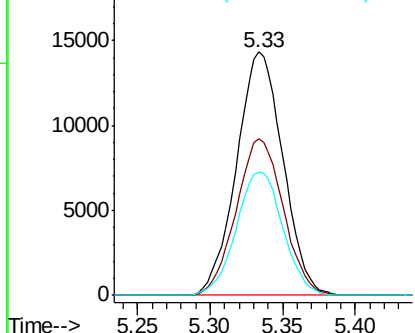
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00514

Tot Ion: 97 Resp: 31836

Ion	Ratio	Lower	Upper
97	100		
99	65.4	53.4	80.0
61	51.0	41.6	62.4



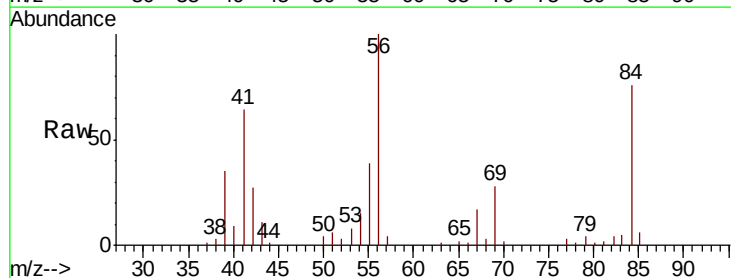
Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0



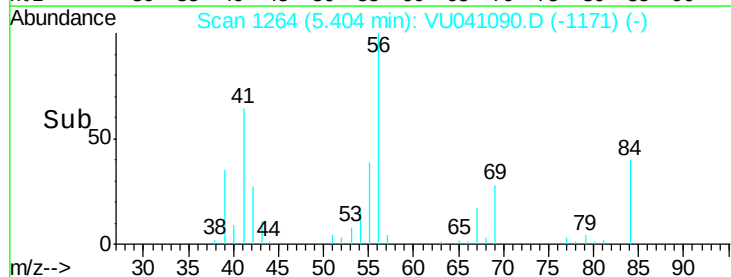
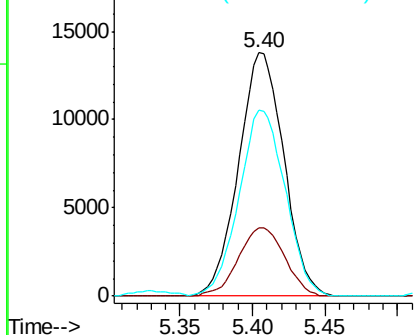
#30
 Cyclohexane
 Concen: 4.791 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

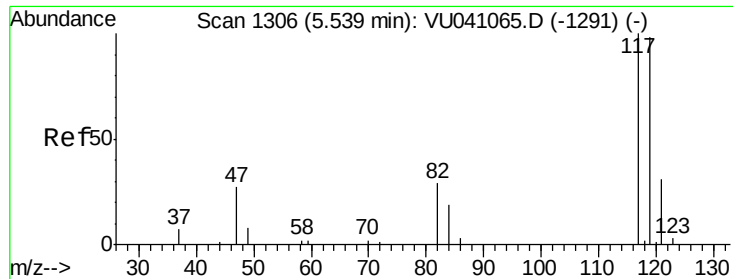
Tgt Ion: 56 Resp: 30019

Ion	Ratio	Lower	Upper
56	100		
69	28.7	22.8	34.2
84	77.8	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

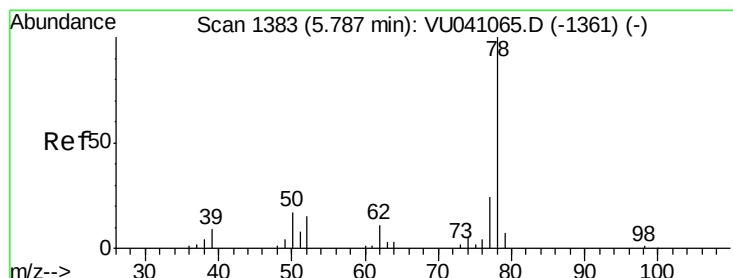
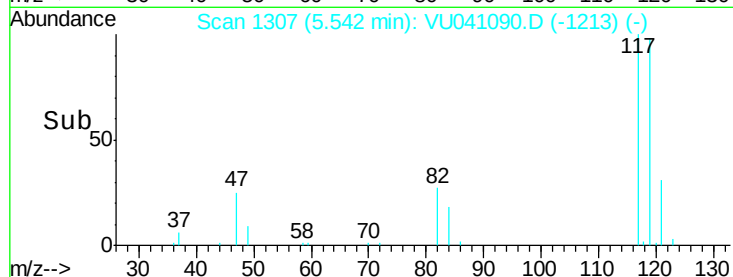
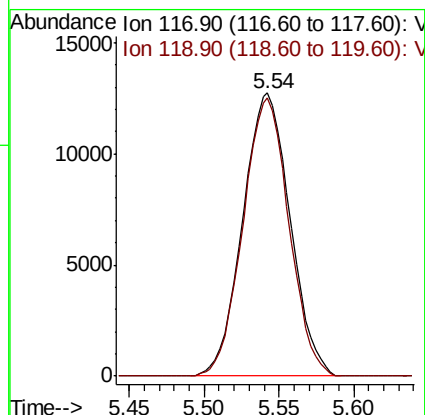
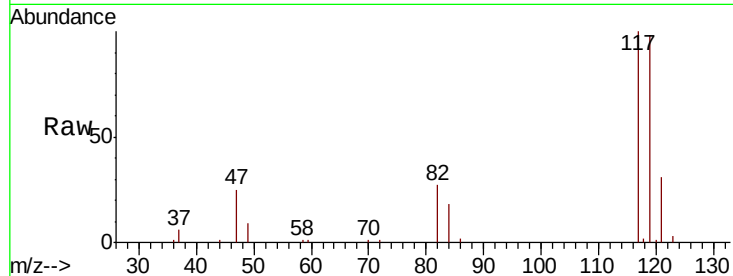




#31
Carbon tetrachloride
Concen: 4.968 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU041090.D
Acq: 03 Nov 2020 20:04

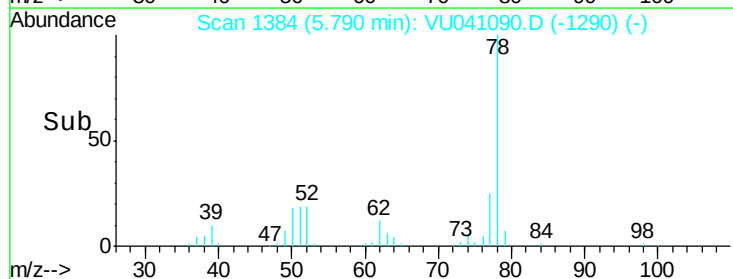
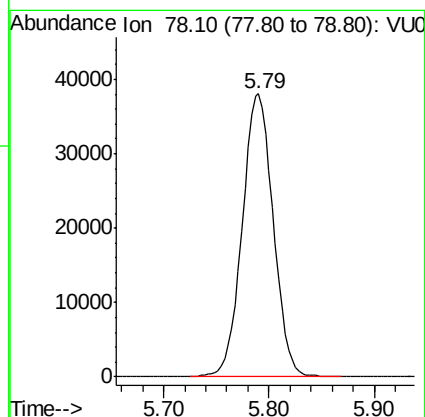
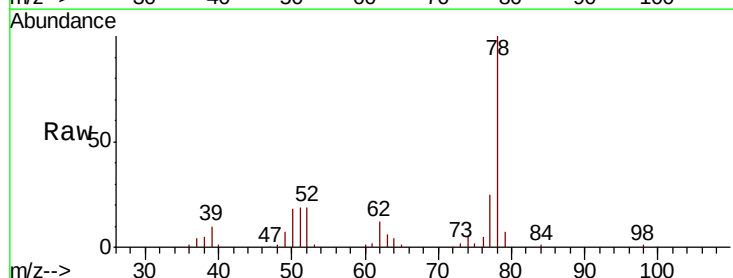
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

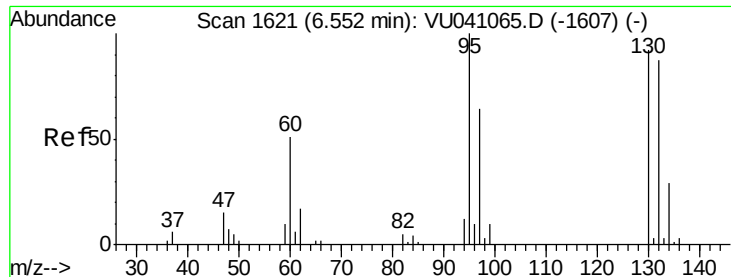
Tot Ion:117 Resp: 27974
Ion Ratio Lower Upper
117 100
119 95.4 76.1 114.1



#33
Benzene
Concen: 5.002 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041090.D
Acq: 03 Nov 2020 20:04

Tgt Ion: 78 Resp: 77708

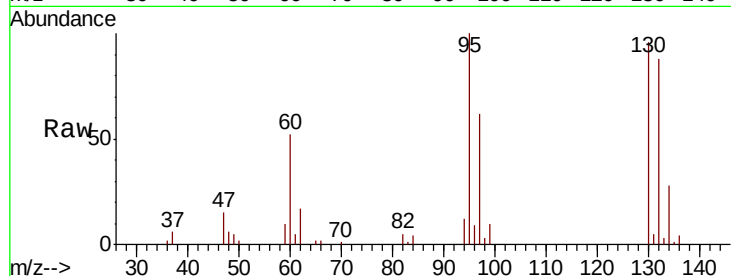




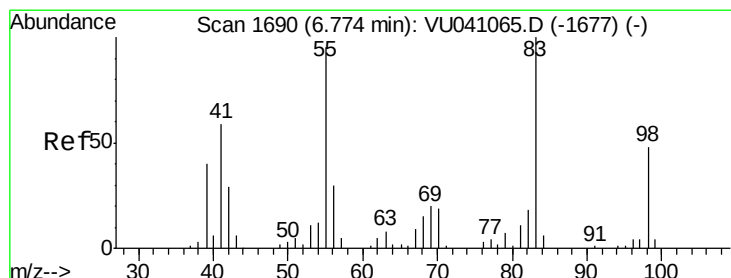
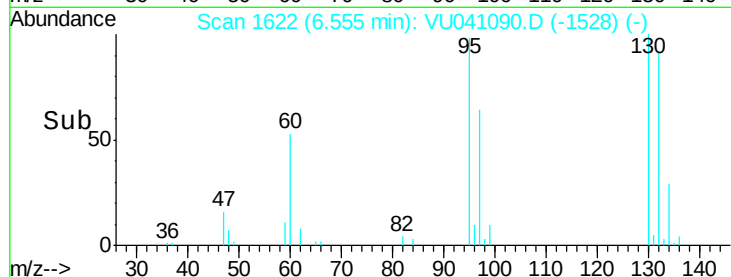
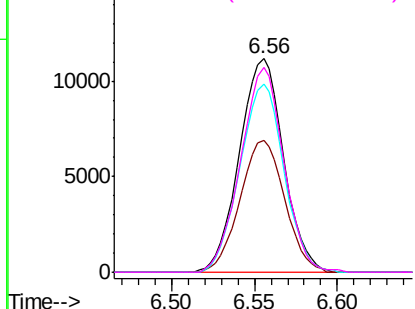
#34
 Trichloroethene
 Concen: 5.221 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion: 95 Resp: 20644
 Ion Ratio Lower Upper
 95 100
 97 61.8 45.6 84.6
 132 88.1 64.8 120.4
 130 95.9 64.8 120.4

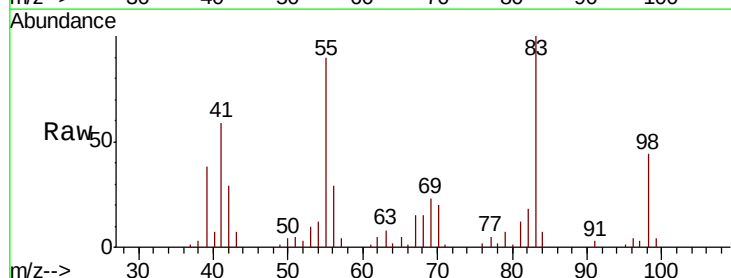


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

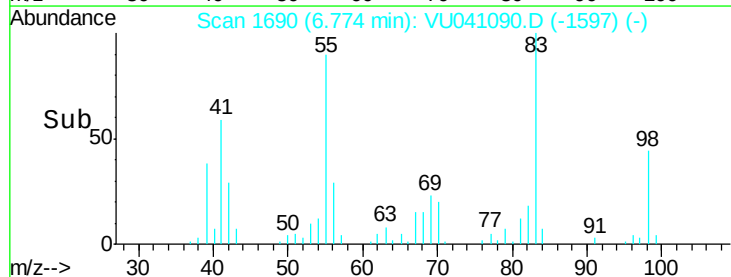
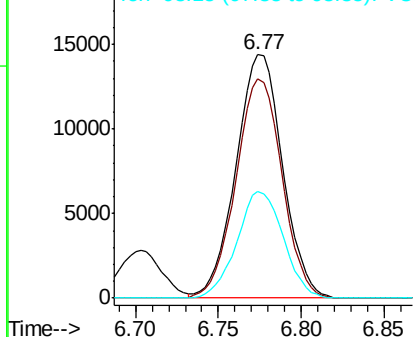


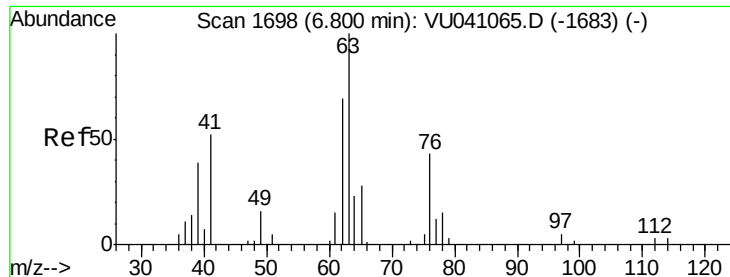
#35
 Methylcyclohexane
 Concen: 4.789 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

Tgt Ion: 83 Resp: 28242
 Ion Ratio Lower Upper
 83 100
 55 89.0 72.0 108.0
 98 43.7 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

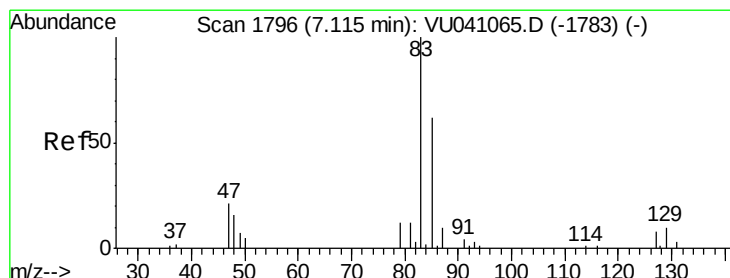
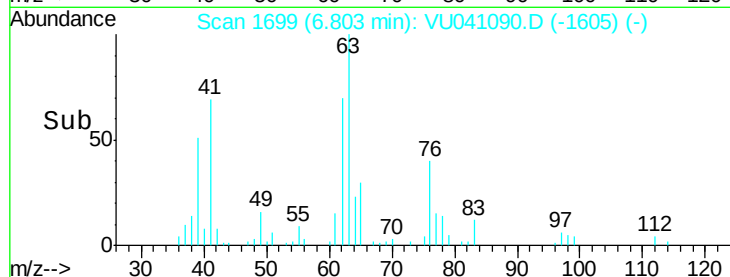
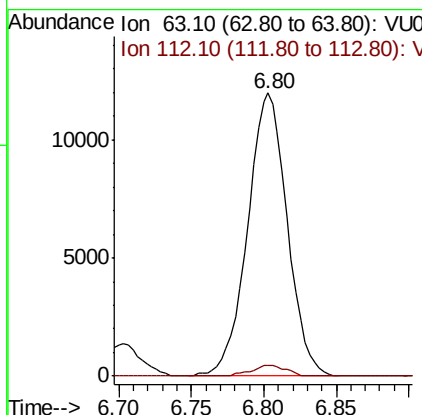
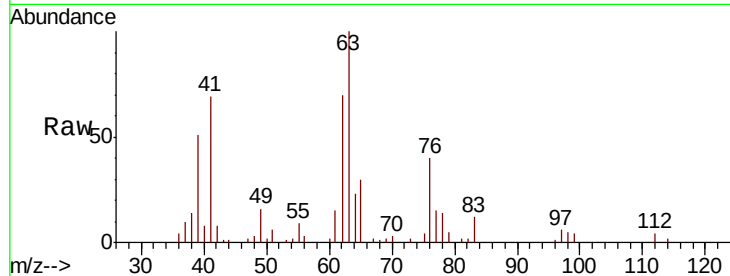




#37
 1,2-Dichloropropane
 Concen: 5.403 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

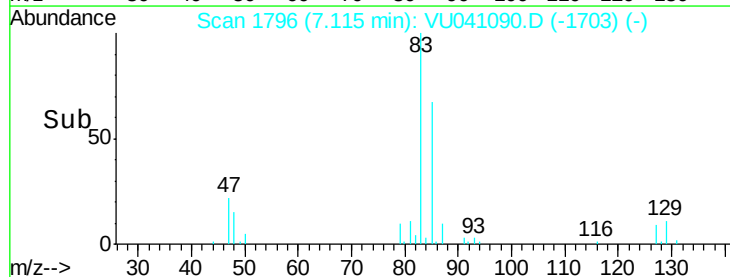
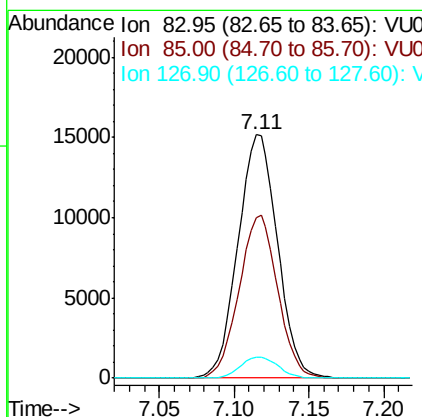
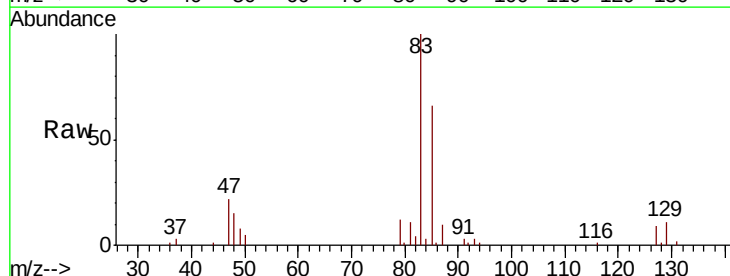
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

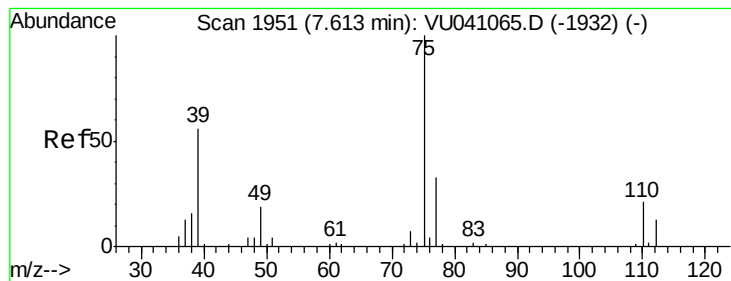
Tot Ion: 63 Resp: 22716
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 5.112 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

Tgt Ion: 83 Resp: 27875
 Ion Ratio Lower Upper
 83 100
 85 66.0 43.3 80.3
 127 8.7 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 5.122 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

Instrument :

MSVOA_U

ClientSampleId :

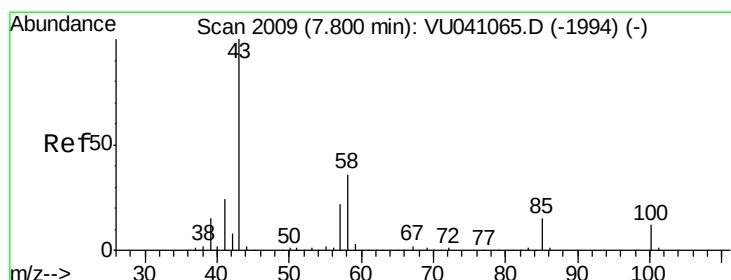
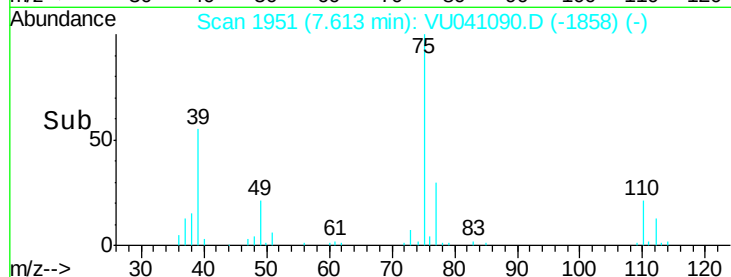
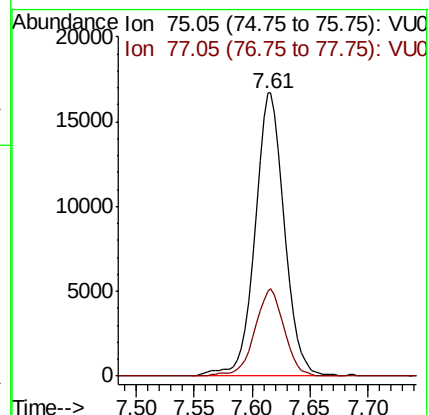
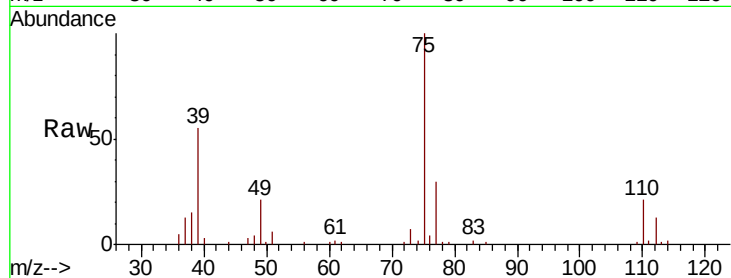
VSTD00514

Tot Ion: 75 Resp: 29650

Ion Ratio Lower Upper

75 100

77 30.0 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 57.445 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

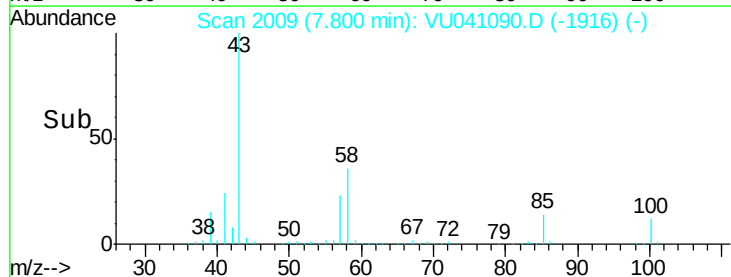
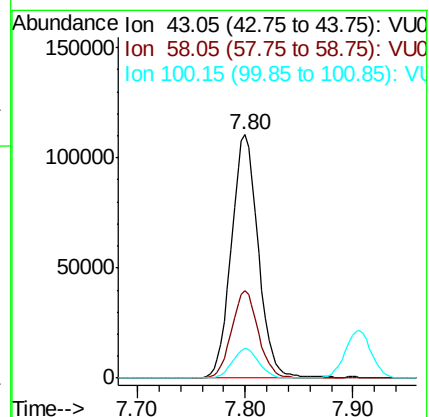
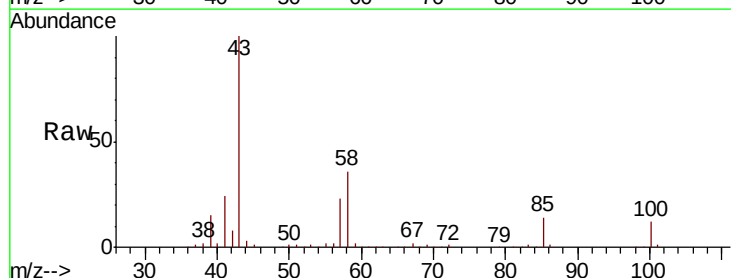
Tgt Ion: 43 Resp: 192554

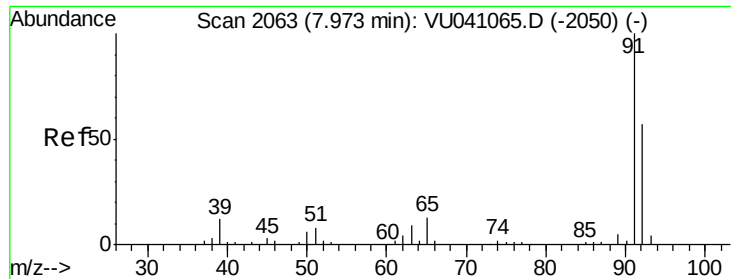
Ion Ratio Lower Upper

43 100

58 35.4 29.8 44.6

100 12.0 10.5 15.7





#42

Toluene

Concen: 5.209 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

Instrument :

MSVOA_U

ClientSampleId :

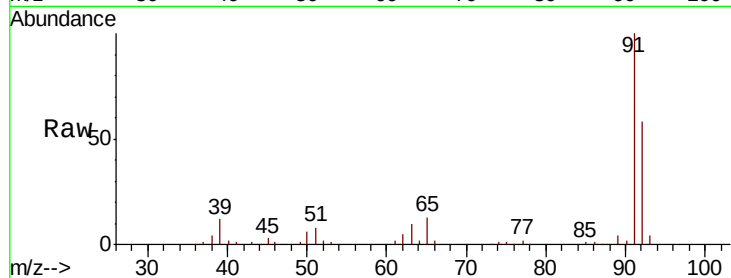
VSTD00514

Tot Ion: 91 Resp: 82068

Ion Ratio Lower Upper

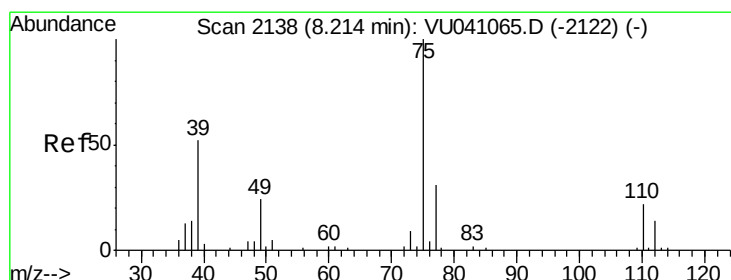
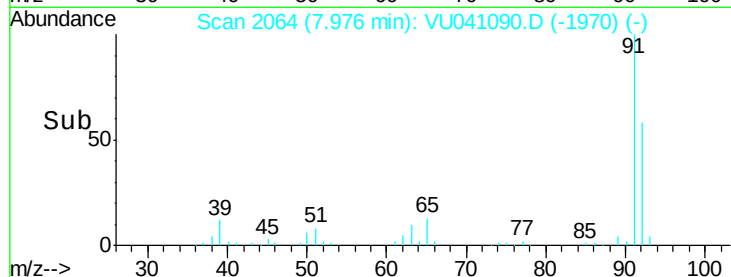
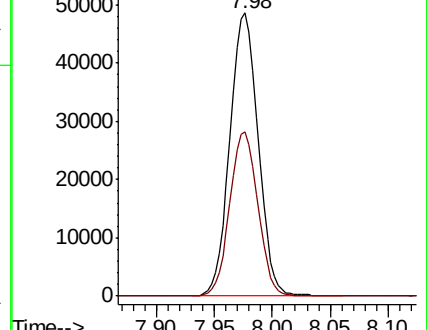
91 100

92 58.0 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041065.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU041065.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.216 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041090.D

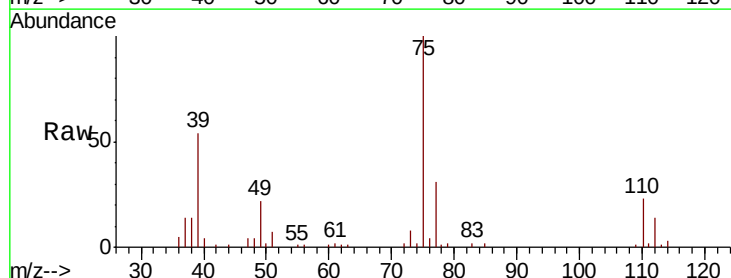
Acq: 03 Nov 2020 20:04

Tgt Ion: 75 Resp: 28254

Ion Ratio Lower Upper

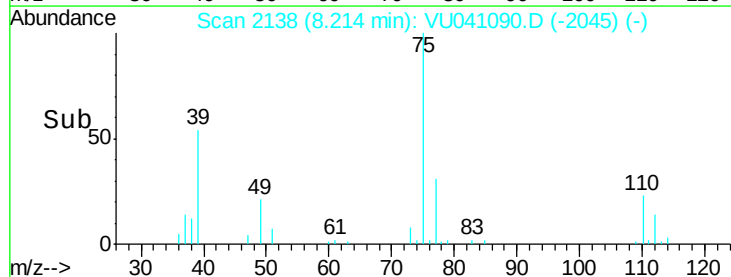
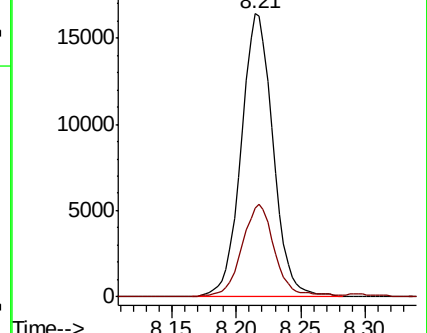
75 100

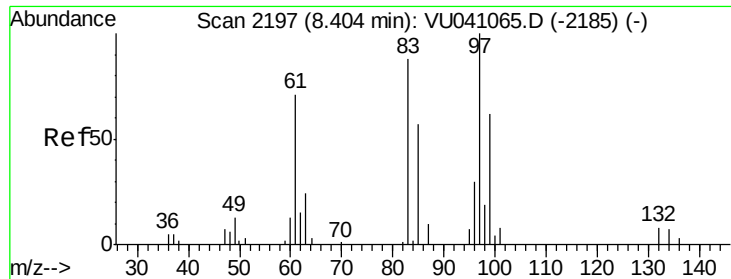
77 31.3 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041065.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041065.D (-2122) (-)

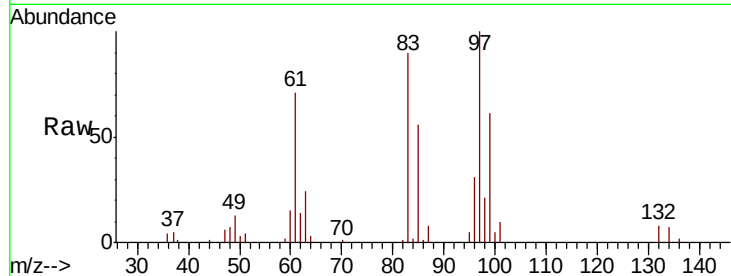




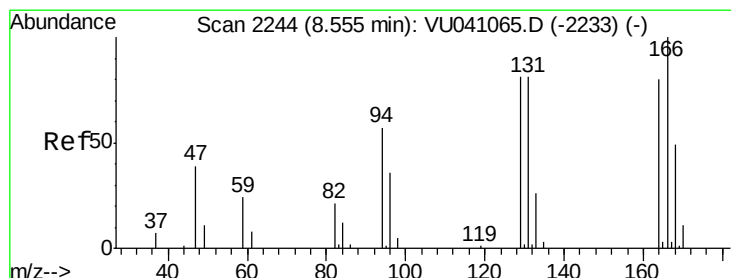
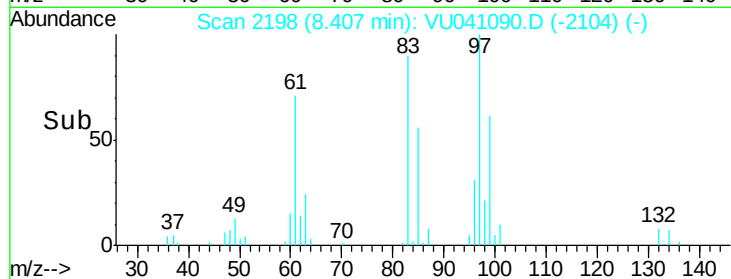
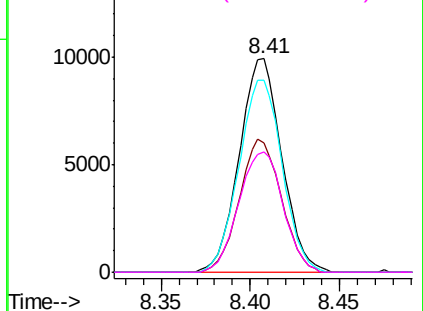
#45
 1,1,2-Trichloroethane
 Concen: 5.266 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion:	97	Resp:	16481
Ion	Ratio	Lower	Upper
97	100		
99	60.7	45.8	85.2
83	89.8	67.9	126.1
85	56.3	42.8	79.6

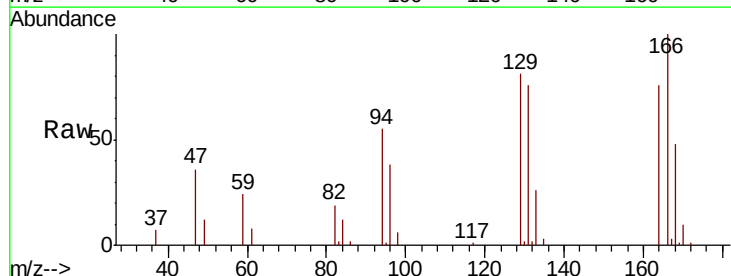


Abundance Ion 96.95 (96.65 to 97.65): VU041065.D (-2185) (-)
 Ion 99.05 (98.75 to 99.75): VU041065.D (-2185) (-)
 Ion 82.95 (82.65 to 83.65): VU041065.D (-2185) (-)
 Ion 85.00 (84.70 to 85.70): VU041065.D (-2185) (-)

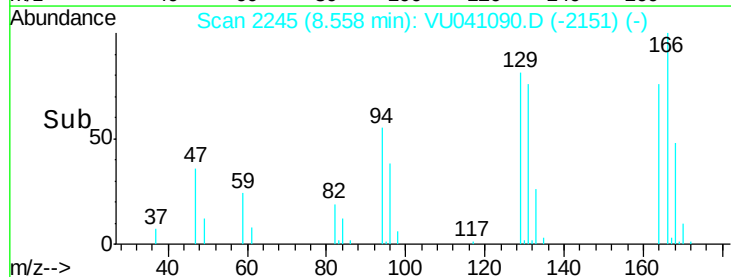
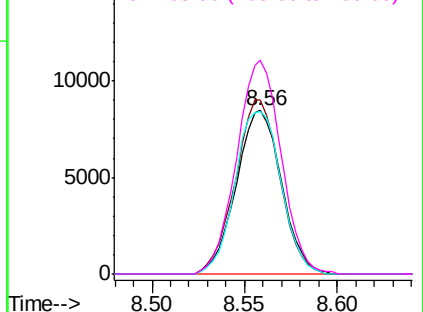


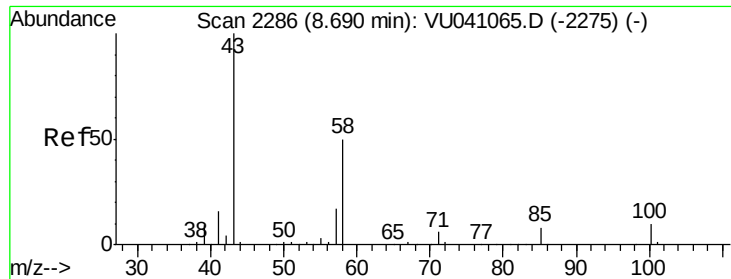
#47
 Tetrachloroethene
 Concen: 4.960 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

Tgt Ion:	164	Resp:	14420
Ion	Ratio	Lower	Upper
164	100		
129	106.3	70.3	130.7
131	99.8	70.8	131.4
166	130.8	92.0	170.8



Abundance Ion 163.90 (163.60 to 164.60): VU041065.D (-2233) (-)
 Ion 128.95 (128.65 to 129.65): VU041065.D (-2233) (-)
 Ion 130.95 (130.65 to 131.65): VU041065.D (-2233) (-)
 Ion 165.90 (165.60 to 166.60): VU041065.D (-2233) (-)

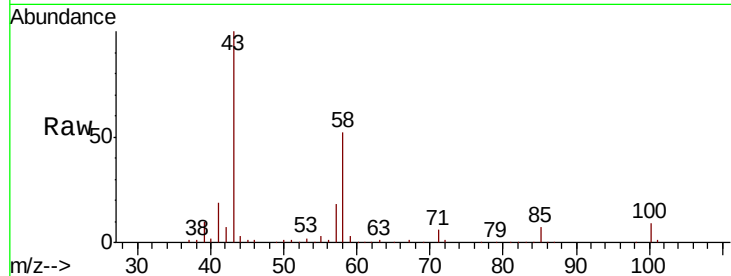




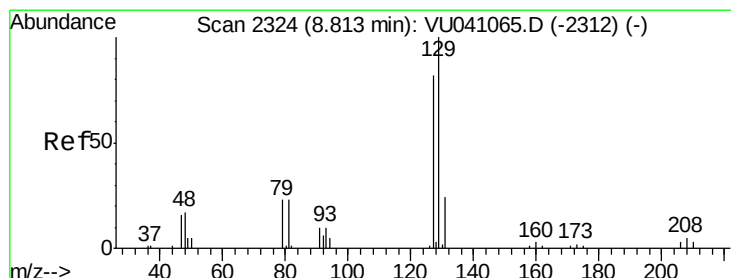
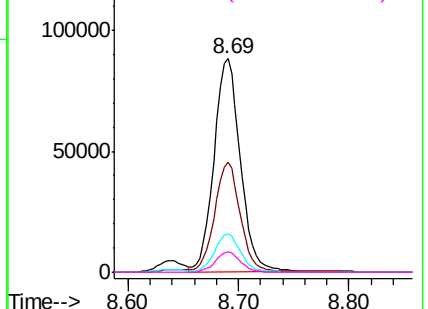
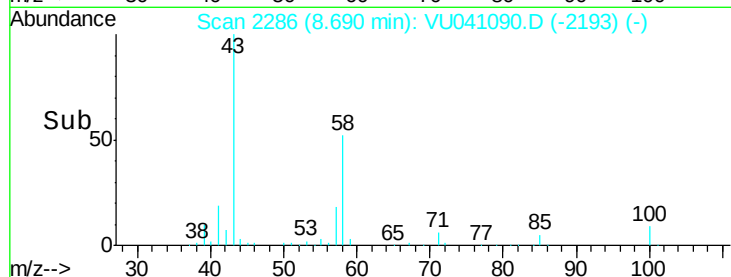
#48
2-Hexanone
Concen: 57.915 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041090.D
Acq: 03 Nov 2020 20:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion:	43	Resp:	146173
Ion	Ratio	Lower	Upper
43	100		
58	49.9	41.4	62.2
57	17.8	14.6	21.8
100	9.0	8.3	12.5

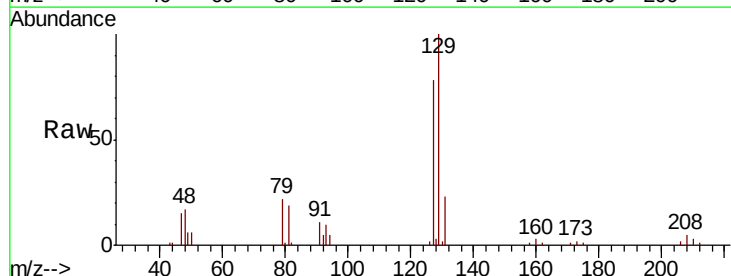


Abundance Ion 43.05 (42.75 to 43.75): VU041090.D (-2193) (-)

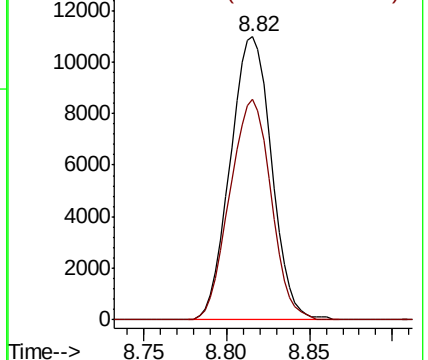
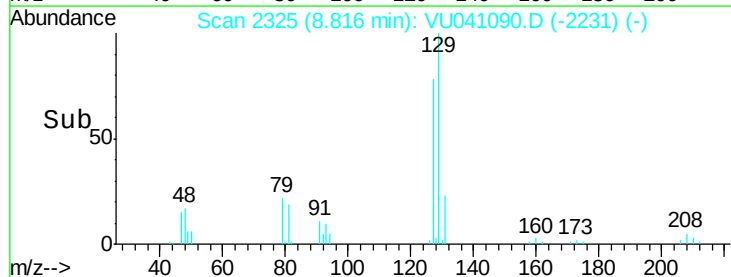


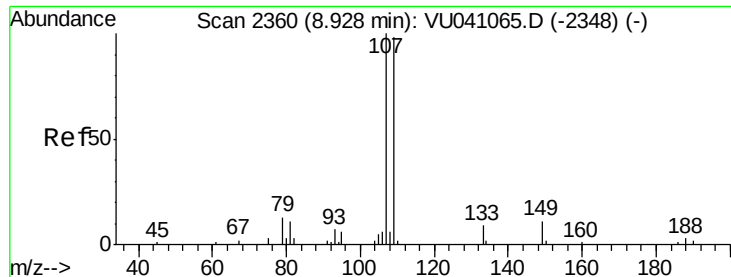
#49
Dibromochloromethane
Concen: 5.241 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041090.D
Acq: 03 Nov 2020 20:04

Tgt Ion:	129	Resp:	19049
Ion	Ratio	Lower	Upper
129	100		
127	78.1	53.4	99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041090.D (-2231) (-)

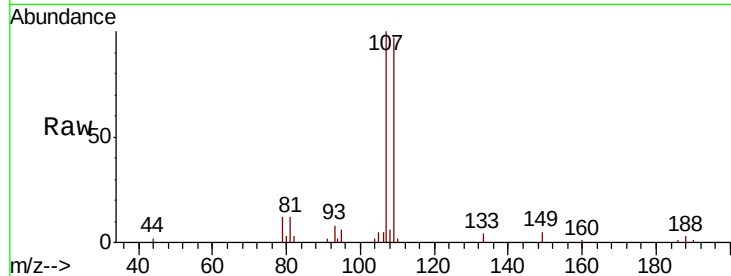




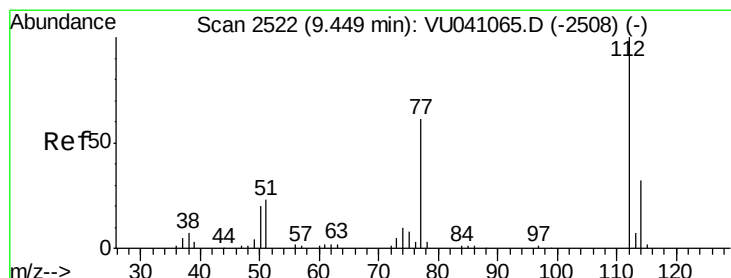
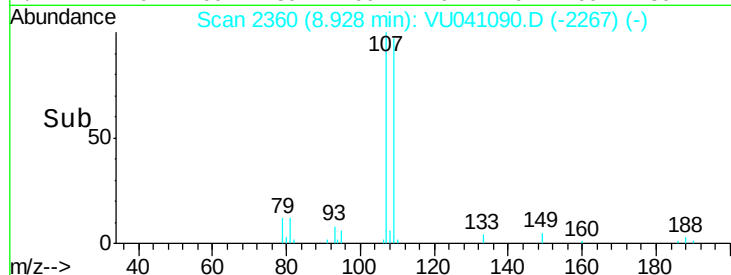
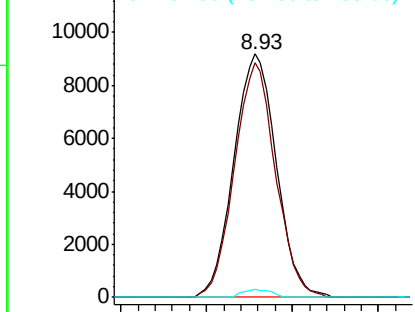
#50
1,2-Dibromoethane
Concen: 5.302 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041090.D
Acq: 03 Nov 2020 20:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion:107 Resp: 15812
Ion Ratio Lower Upper
107 100
109 96.6 65.6 121.8
188 3.2 2.9 4.3

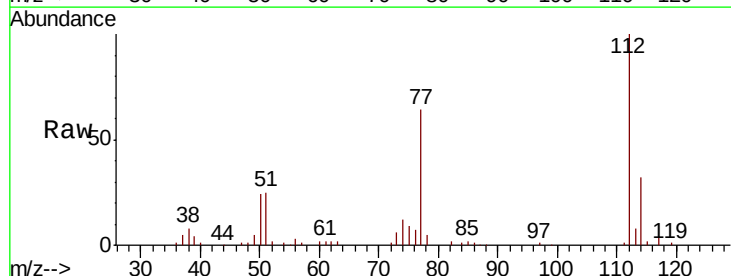


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

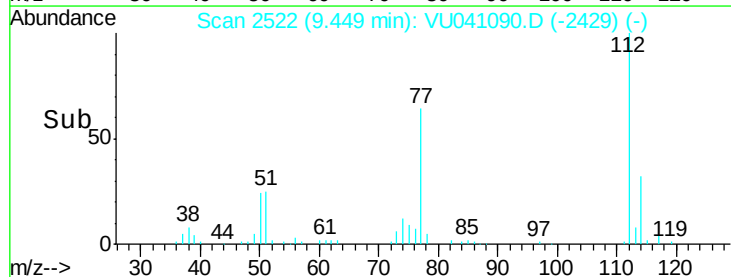
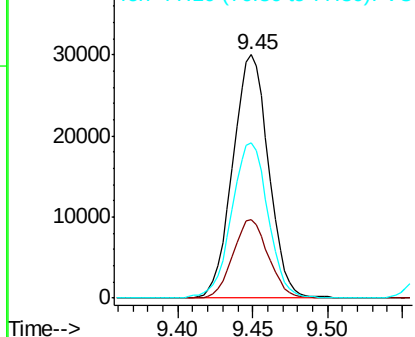


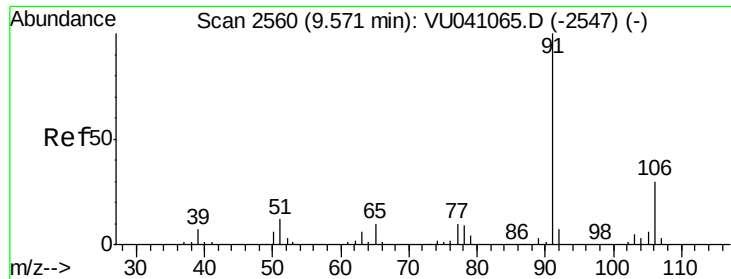
#51
Chlorobenzene
Concen: 5.010 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041090.D
Acq: 03 Nov 2020 20:04

Tgt Ion:112 Resp: 50050
Ion Ratio Lower Upper
112 100
114 32.3 22.4 41.6
77 64.0 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

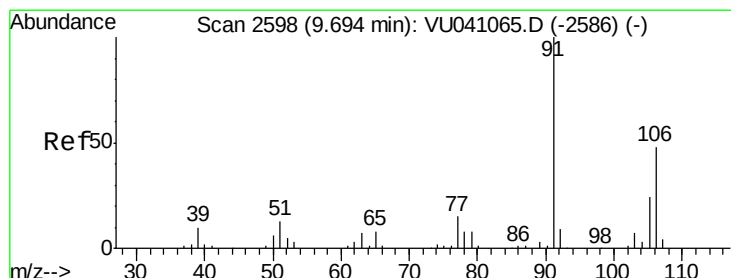
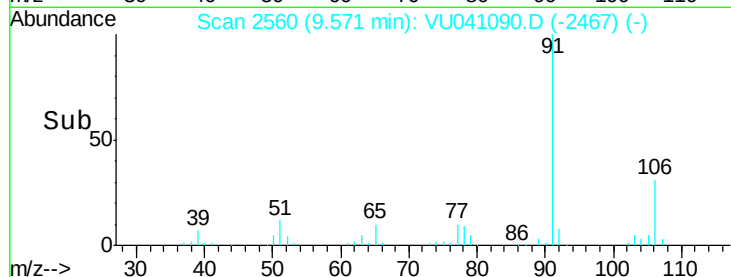
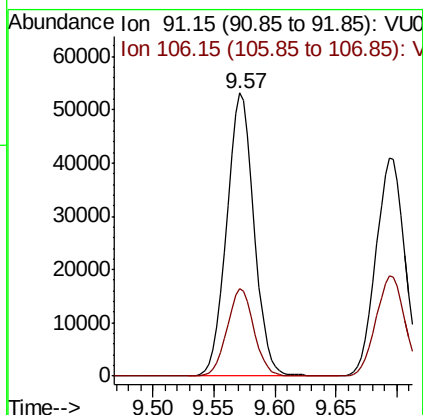
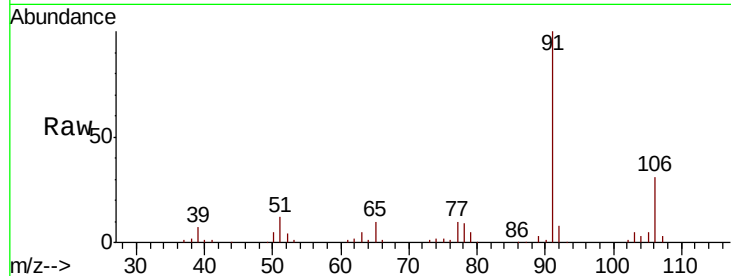




#52
Ethylbenzene
Concen: 5.040 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU041090.D
Acq: 03 Nov 2020 20:04

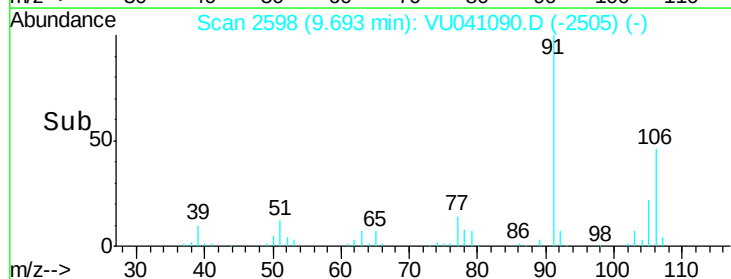
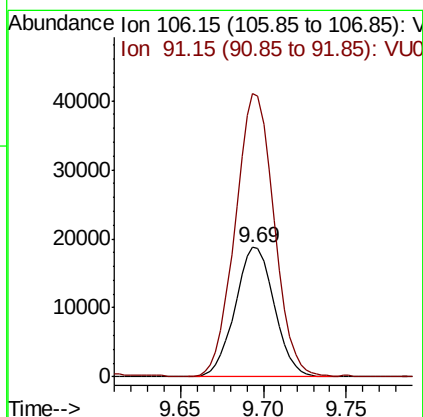
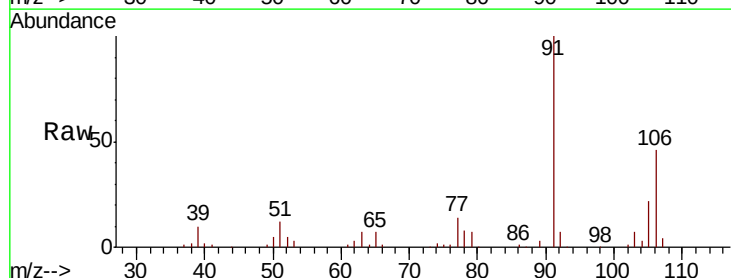
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

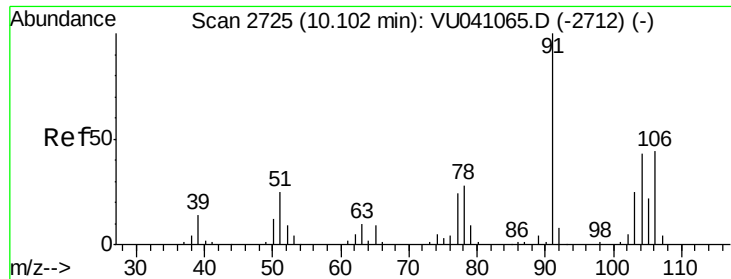
Tot Ion: 91 Resp: 83586
Ion Ratio Lower Upper
91 100
106 30.9 21.0 39.0



#53
m,p-Xylene
Concen: 5.112 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU041090.D
Acq: 03 Nov 2020 20:04

Tgt Ion: 106 Resp: 30918
Ion Ratio Lower Upper
106 100
91 218.4 150.9 280.3

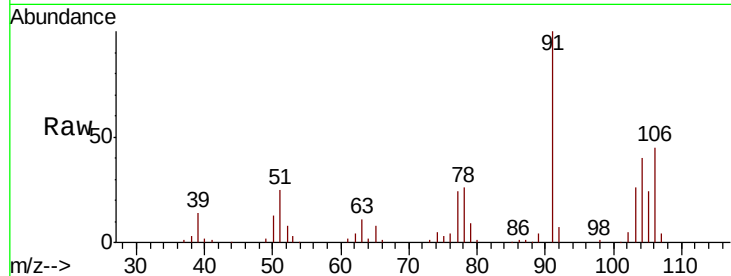




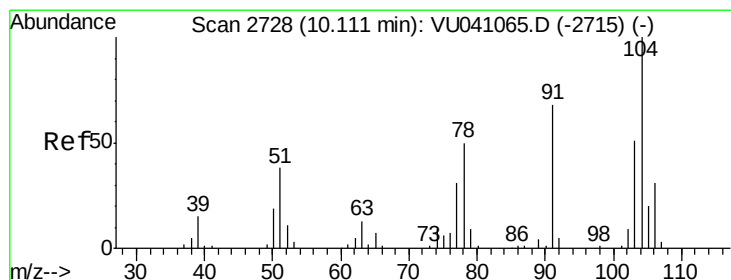
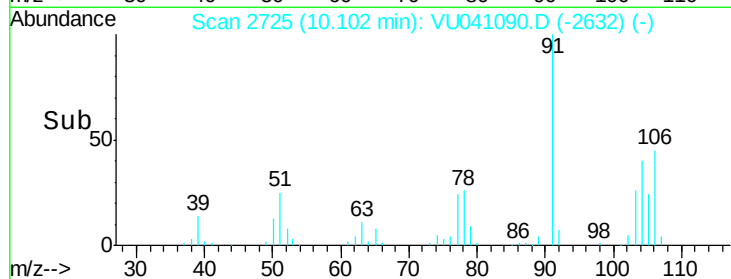
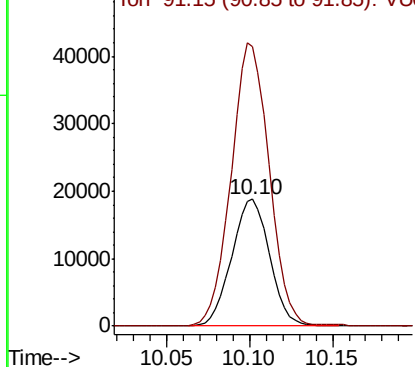
#54
o-Xylene
Concen: 5.317 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU041090.D
Acq: 03 Nov 2020 20:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion:106 Resp: 29951
Ion Ratio Lower Upper
106 100
91 220.8 154.3 286.5

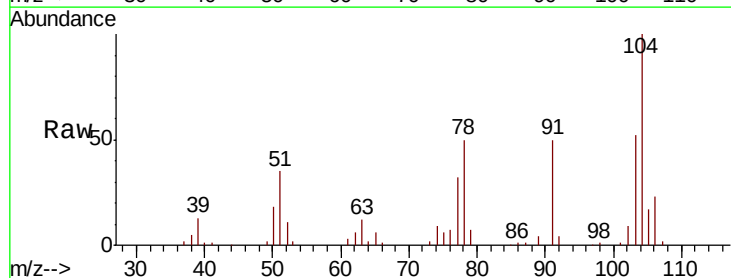


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

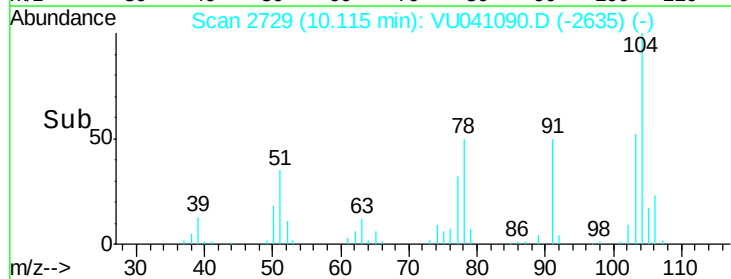
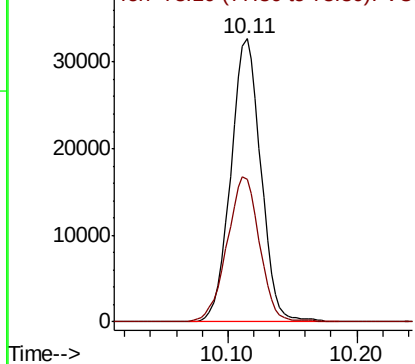


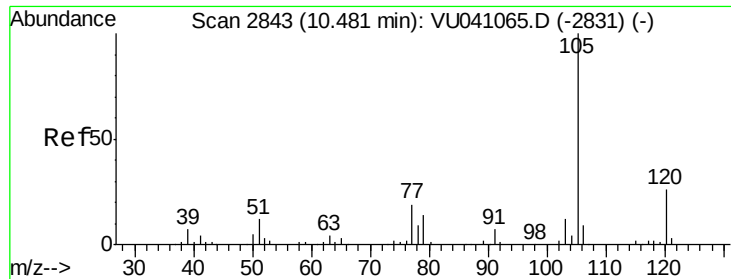
#55
Styrene
Concen: 5.274 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041090.D
Acq: 03 Nov 2020 20:04

Tgt Ion:104 Resp: 52926
Ion Ratio Lower Upper
104 100
78 50.4 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: 5.315 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

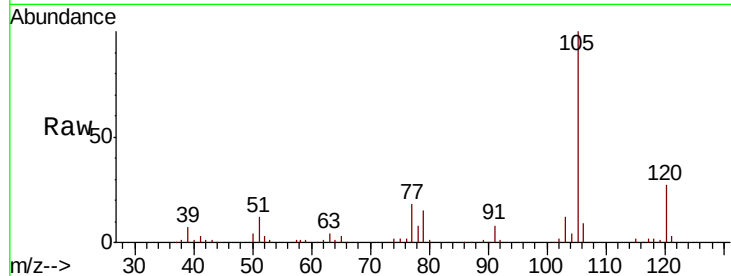
Tot Ion:105 Resp: 80503

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

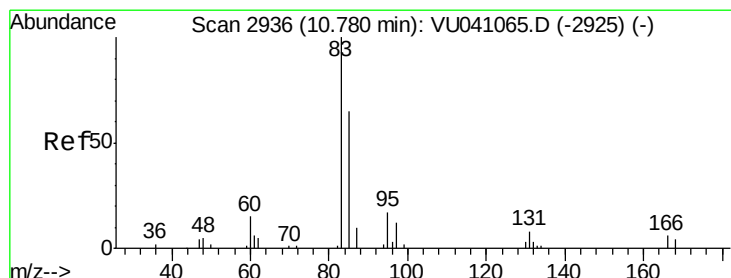
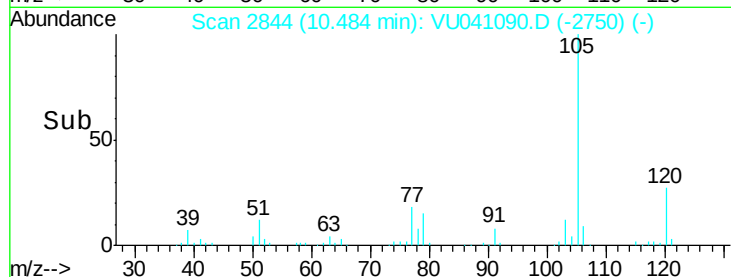
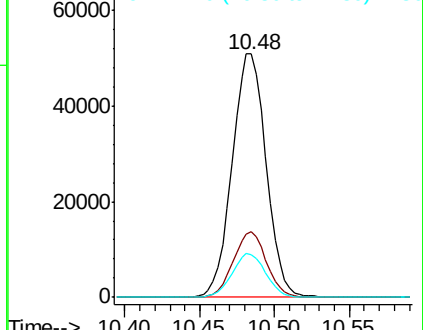
77 17.8 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.316 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

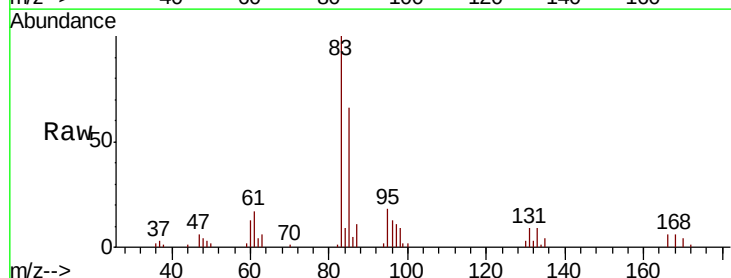
Tgt Ion: 83 Resp: 21848

Ion Ratio Lower Upper

83 100

85 66.2 44.4 82.4

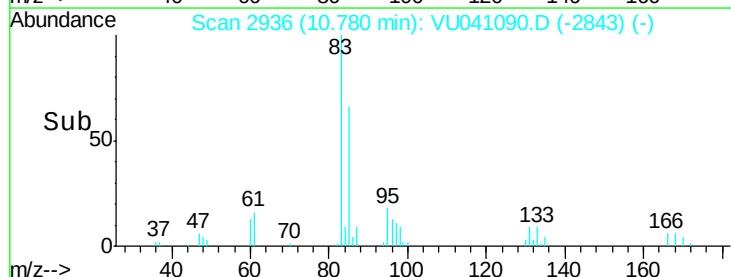
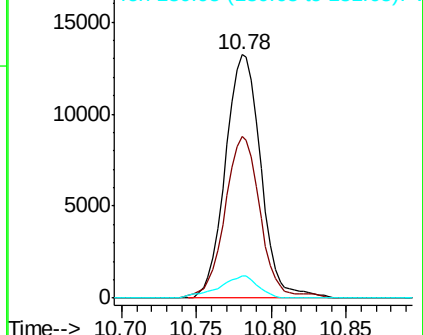
131 9.1 7.7 11.5

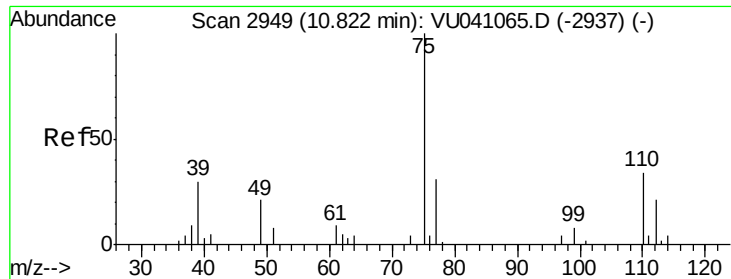


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.423 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

Instrument :

MSVOA_U

ClientSampleId :

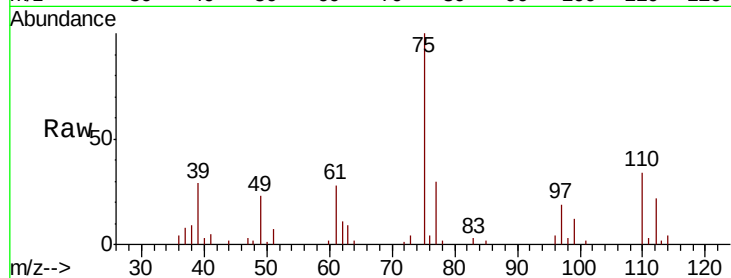
VSTD00514

Tot Ion: 75 Resp: 16990

Ion Ratio Lower Upper

75 100

77 30.7 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041065.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041065.D (-2937) (-)

10.82

12000

10000

8000

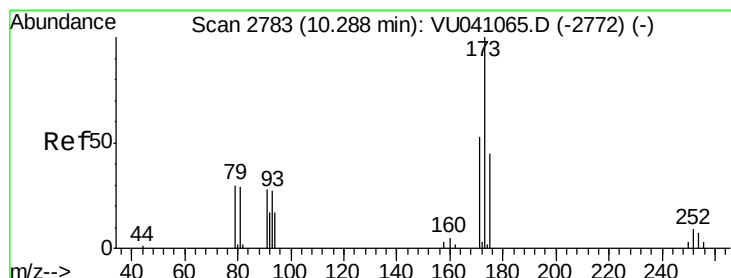
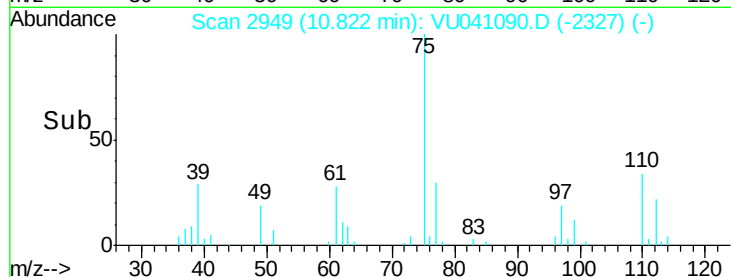
6000

4000

2000

0

Time-->



#61

Bromoform

Concen: 5.263 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

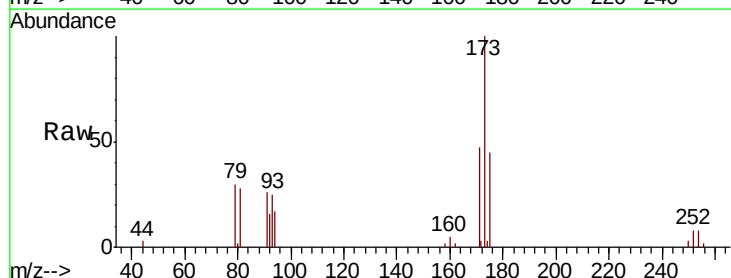
Tgt Ion: 173 Resp: 10965

Ion Ratio Lower Upper

173 100

175 46.7 37.6 56.4

254 7.5 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU041065.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041065.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041065.D (-2772) (-)

10.29

8000

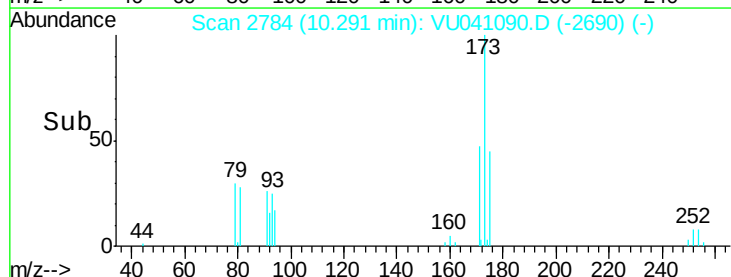
6000

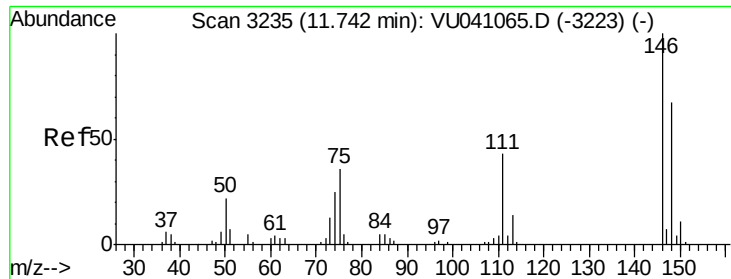
4000

2000

0

Time-->

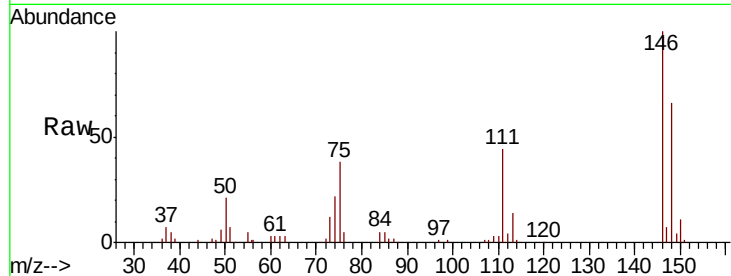




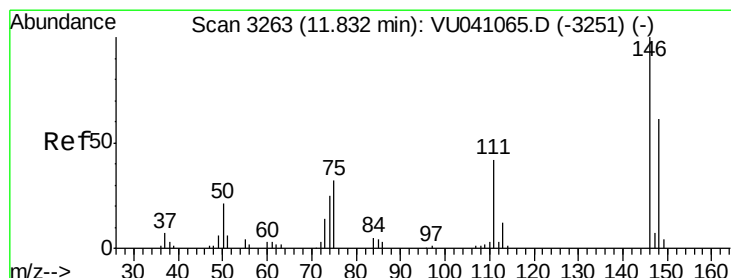
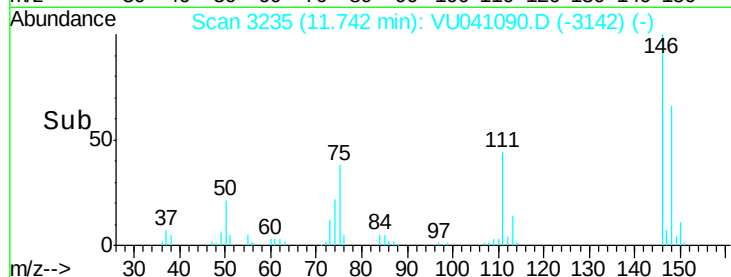
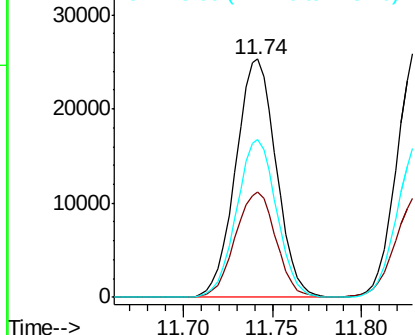
#62
 1,3-Dichlorobenzene
 Concen: 5.144 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion:146 Resp: 40140
 Ion Ratio Lower Upper
 146 100
 111 44.1 30.9 57.3
 148 66.2 45.8 85.2

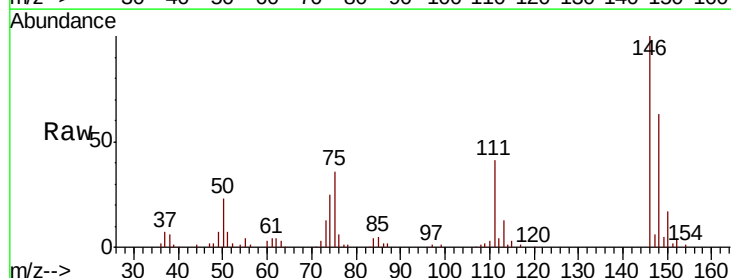


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

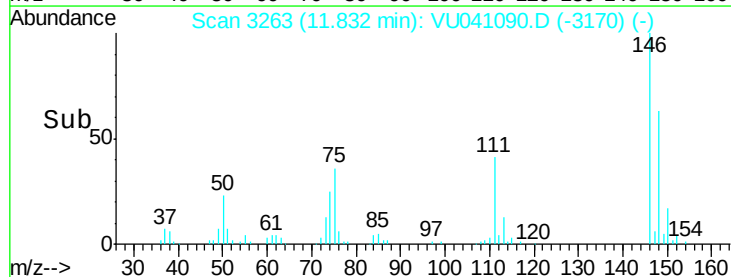
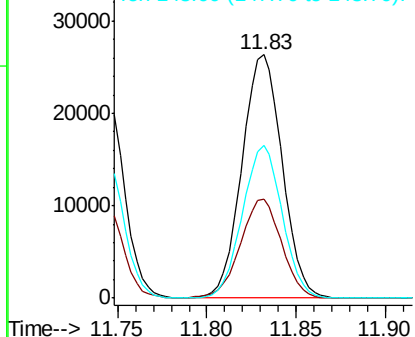


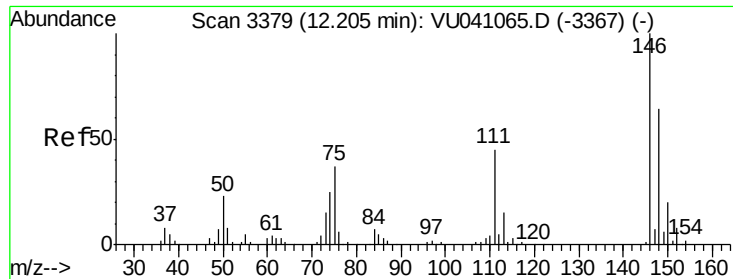
#63
 1,4-Dichlorobenzene
 Concen: 5.149 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

Tgt Ion:146 Resp: 41615
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.3 52.7
 148 62.6 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

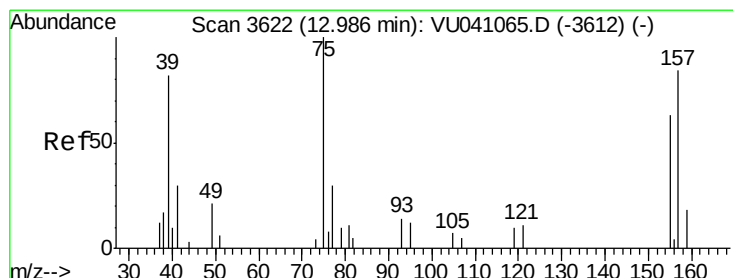
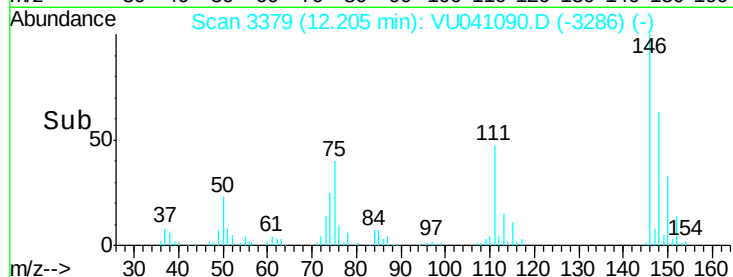
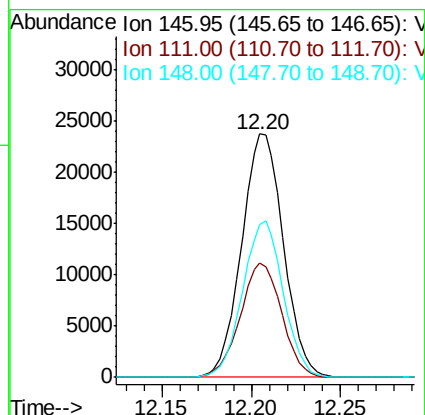
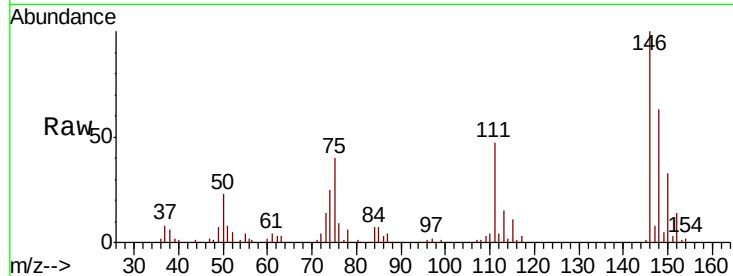




#65
 1,2-Dichlorobenzene
 Concen: 5.021 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

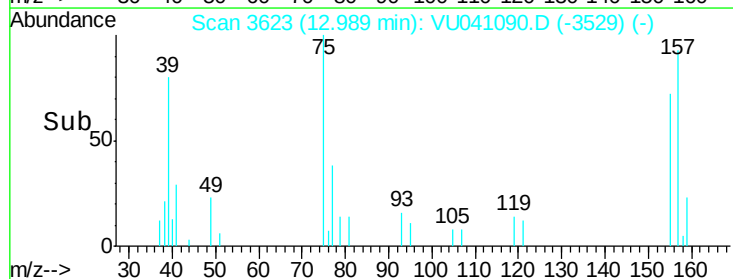
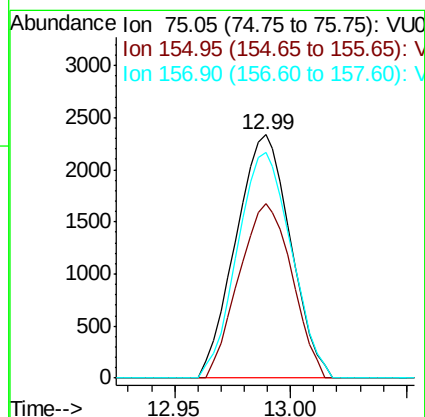
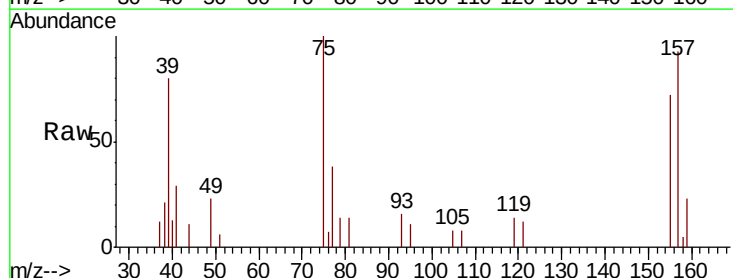
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

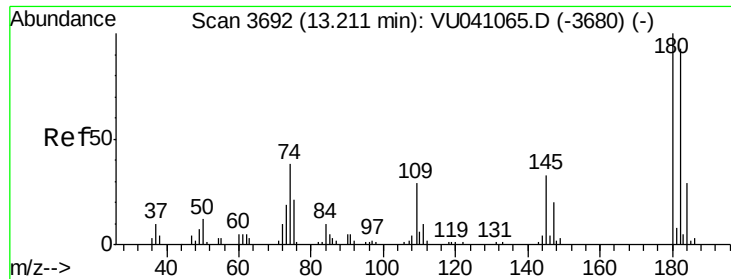
Tot Ion:146 Resp: 38669
 Ion Ratio Lower Upper
 146 100
 111 46.9 35.0 52.6
 148 62.7 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.078 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

Tgt Ion: 75 Resp: 3833
 Ion Ratio Lower Upper
 75 100
 155 71.5 61.4 92.2
 157 92.6 74.2 111.4

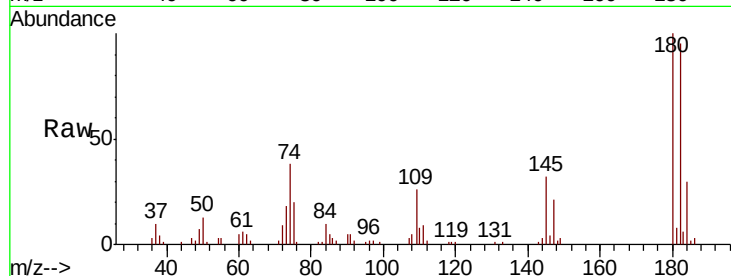




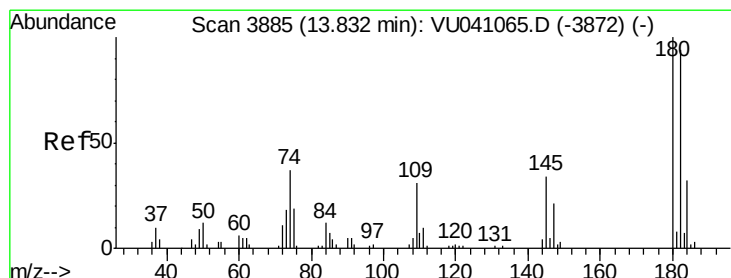
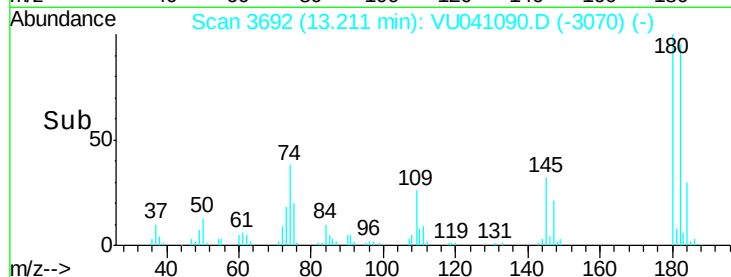
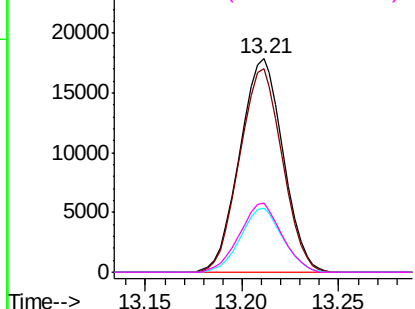
#67
 1,3,5-Trichlorobenzene
 Concen: 5.109 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00514

Tot Ion:180 Resp: 27885
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.7 113.5
 184 29.0 23.7 35.5
 145 31.6 26.1 39.1

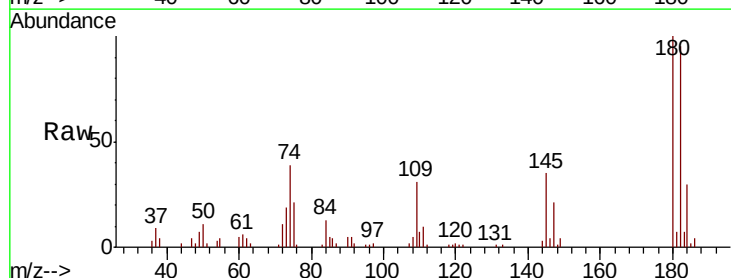


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

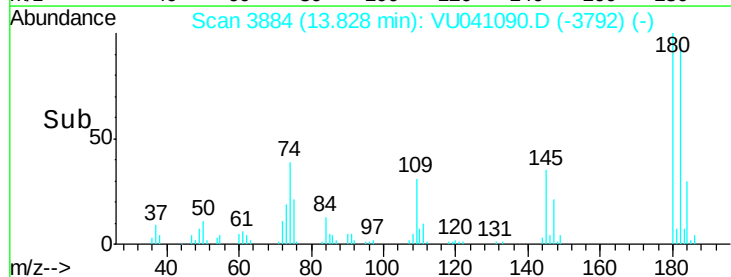
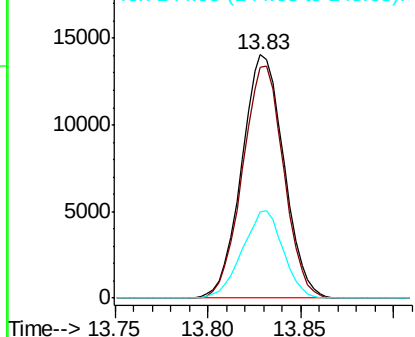


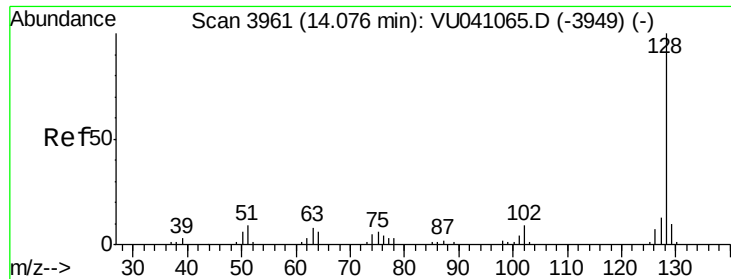
#68
 1,2,4-trichlorobenzene
 Concen: 4.928 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041090.D
 Acq: 03 Nov 2020 20:04

Tgt Ion:180 Resp: 22283
 Ion Ratio Lower Upper
 180 100
 182 92.9 73.5 110.3
 145 34.5 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: 4.700 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

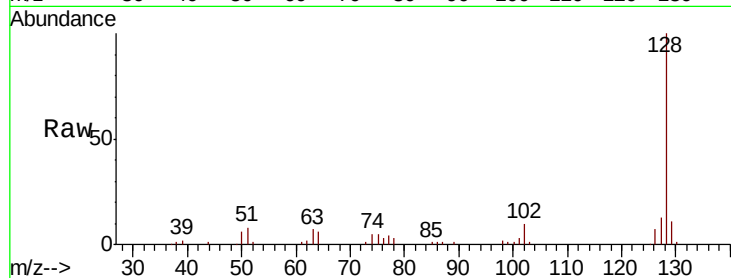
Tot Ion:128 Resp: 37998

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

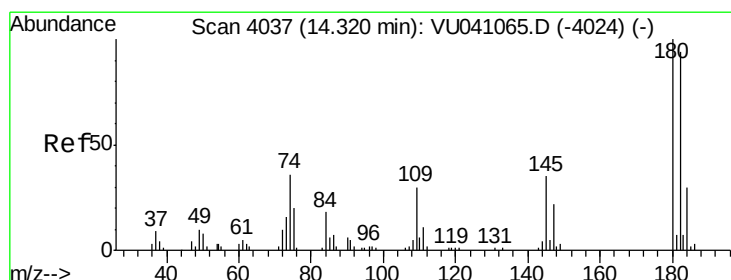
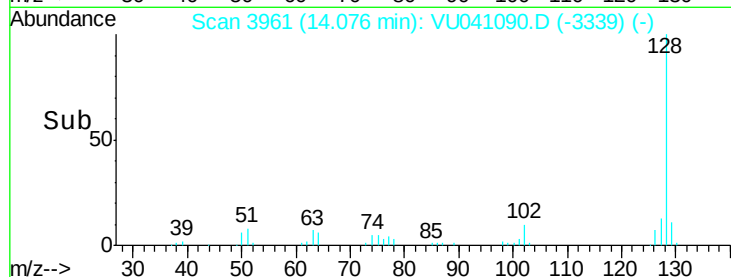
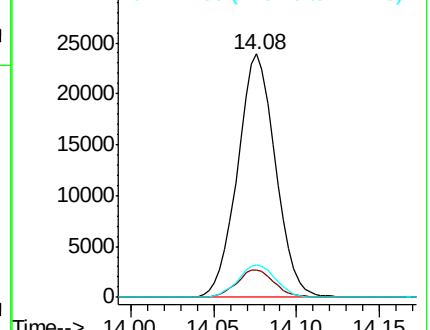
127 13.2 10.8 16.2



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: 5.127 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041090.D

Acq: 03 Nov 2020 20:04

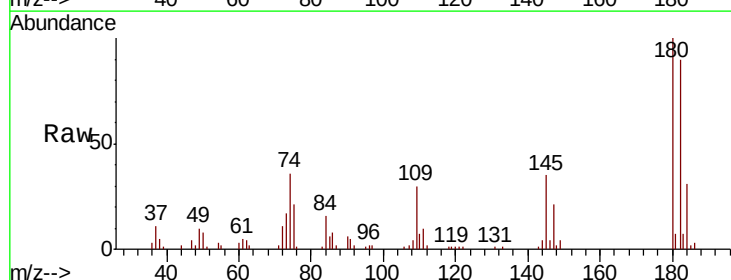
Tgt Ion:180 Resp: 21367

Ion Ratio Lower Upper

180 100

182 93.6 77.7 116.5

145 35.1 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

