

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091020\
 Data File : VU040071.D
 Acq On : 10 Sep 2020 09:53
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Quant Time: Sep 11 01:50:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 10 14:05:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	114300	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113356	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57972	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37645	6.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.60%
7) Chloroethane-d5	1.92	69	30696	5.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.00%
11) 1,1-Dichloroethene-d2	2.58	63	85466	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.80%
20) 2-Butanone-d5	4.65	46	115659	46.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.66%
24) Chloroform-d	5.08	84	70677	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.72	65	40312	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.74	84	135122	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.70	67	40599	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.90	98	119966	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	8.19	79	18509	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.64	63	83557	44.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.04%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	35513	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	42406	4.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	55588	4.900 ug/L	95
3) Chloromethane	1.53	50	53169	4.896 ug/L	99
5) Vinyl chloride	1.61	62	52012	4.724 ug/L	100
6) Bromomethane	1.86	94	26963	4.791 ug/L	92
8) Chloroethane	1.94	64	31900	4.821 ug/L	99
9) Trichlorofluoromethane	2.15	101	80369	5.096 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	50528	4.942 ug/L	99
12) 1,1-Dichloroethene	2.59	96	44767	5.061 ug/L	93
13) Acetone	2.66	43	112145	48.532 ug/L	95
14) Carbon disulfide	2.80	76	131326	4.630 ug/L	99
15) Methyl Acetate	2.97	43	27633	4.765 ug/L	94
16) Methylene chloride	3.06	84	53159	4.589 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	121319	4.551 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	47178	4.958 ug/L	94
19) 1,1-Dichloroethane	3.89	63	97782	4.992 ug/L	100
21) 2-Butanone	4.73	43	182979	48.503 ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	50649	4.950 ug/L	100

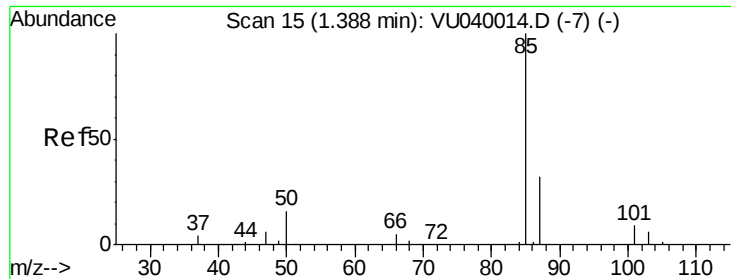
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091020\
 Data File : VU040071.D
 Acq On : 10 Sep 2020 09:53
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Quant Time: Sep 11 01:50:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 10 14:05:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	22603	5.042	uq/L	97
25) Chloroform	5.10	83	101022	5.037	uq/L	97
27) 1,2-Dichloroethane	5.81	62	71862	4.890	uq/L	98
29) 1,1,1-Trichloroethane	5.33	97	85699	4.815	uq/L	98
30) Cyclohexane	5.40	56	79330	4.596	uq/L	99
31) Carbon tetrachloride	5.54	117	73377	4.817	uq/L	98
33) Benzene	5.79	78	199264	4.914	uq/L	100
34) Trichloroethene	6.55	95	53753	4.942	uq/L	97
35) Methylcyclohexane	6.77	83	77088	4.628	uq/L	98
37) 1,2-Dichloropropane	6.80	63	55562	5.060	uq/L	98
38) Bromodichloromethane	7.11	83	73539	4.906	uq/L	96
39) cis-1,3-Dichloropropene	7.61	75	77442	4.782	uq/L	99
40) 4-Methyl-2-pentanone	7.80	43	429959	47.723	uq/L	100
42) Toluene	7.97	91	212950	5.099	uq/L	100
44) trans-1,3-Dichloropropene	8.21	75	71902	4.792	uq/L	97
45) 1,1,2-Trichloroethane	8.40	97	38781	4.848	uq/L	96
47) Tetrachloroethene	8.56	164	35076	4.909	uq/L	94
48) 2-Hexanone	8.69	43	319417	48.604	uq/L	100
49) Dibromochloromethane	8.82	129	46554	4.849	uq/L	99
50) 1,2-Dibromoethane	8.93	107	38390	4.978	uq/L	98
51) Chlorobenzene	9.45	112	131611	5.076	uq/L	98
52) Ethylbenzene	9.57	91	236916	4.993	uq/L	99
53) m,p-Xylene	9.69	106	87839	5.199	uq/L	98
54) o-Xylene	10.10	106	82896	5.149	uq/L	99
55) Styrene	10.11	104	151984	5.429	uq/L	96
56) Isopropylbenzene	10.48	105	227599	5.184	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	51466	5.018	uq/L	100
59) 1,2,3-Trichloropropane	10.82	75	40104	4.930	uq/L	97
61) Bromoform	10.29	173	23901	4.495	uq/L	98
62) 1,3-Dichlorobenzene	11.74	146	105373	4.973	uq/L	98
63) 1,4-Dichlorobenzene	11.83	146	108066	5.040	uq/L	99
65) 1,2-Dichlorobenzene	12.21	146	100368	4.895	uq/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	8908	4.062	uq/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	72319	4.854	uq/L	99
68) 1,2,4-trichlorobenzene	13.83	180	59241	4.616	uq/L	99
69) Naphthalene	14.08	128	103177	3.857	uq/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	53741	4.559	uq/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.900 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

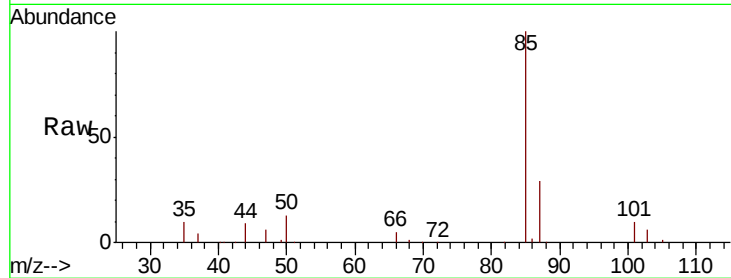
VSTD00526

Tot Ion: 85 Resp: 55588

Ion Ratio Lower Upper

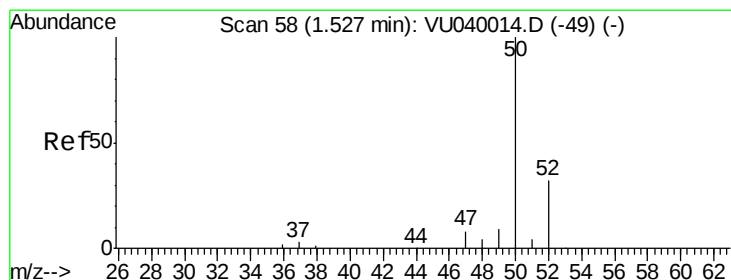
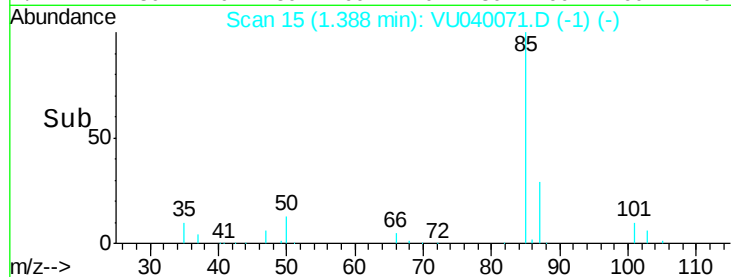
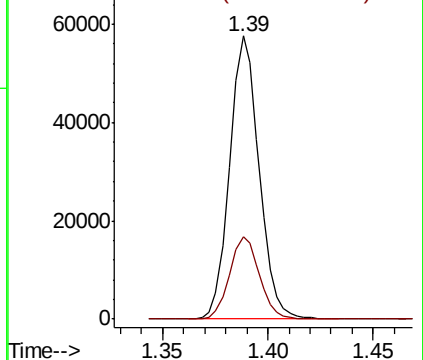
85 100

87 29.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.896 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040071.D

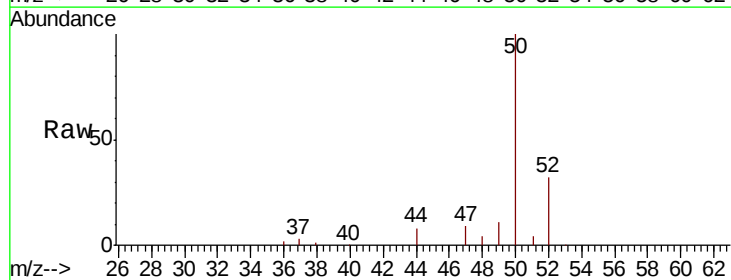
Acq: 10 Sep 2020 09:53

Tgt Ion: 50 Resp: 53169

Ion Ratio Lower Upper

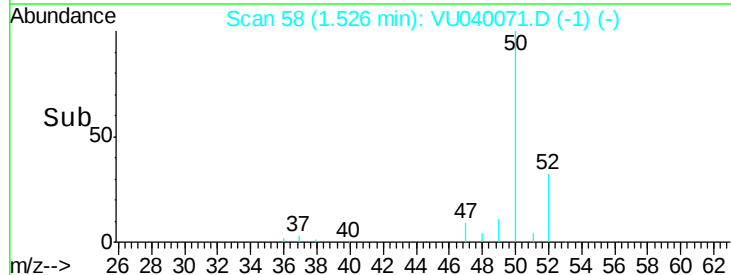
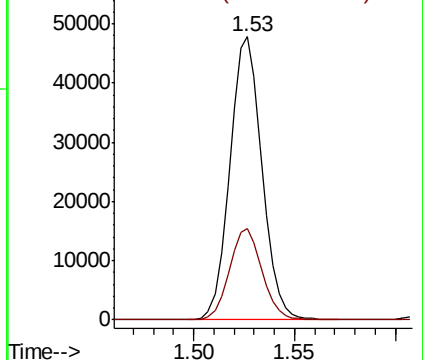
50 100

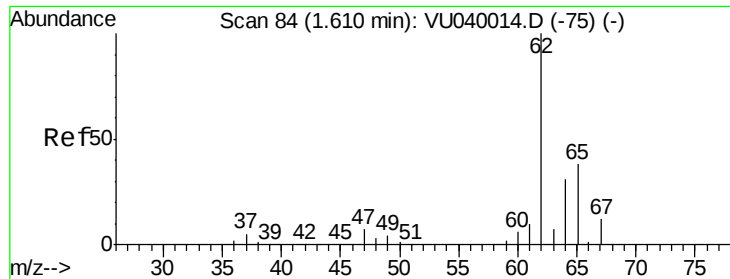
52 32.1 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.724 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampled :

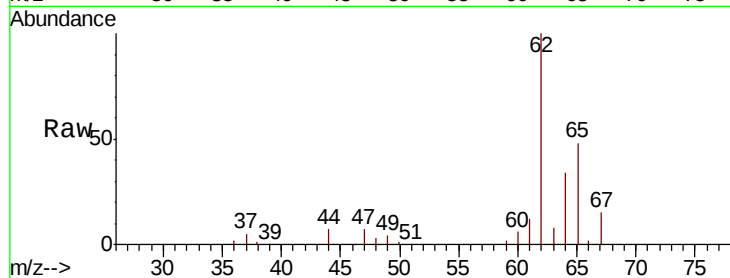
VSTD00526

Tot Ion: 62 Resp: 52012

Ion Ratio Lower Upper

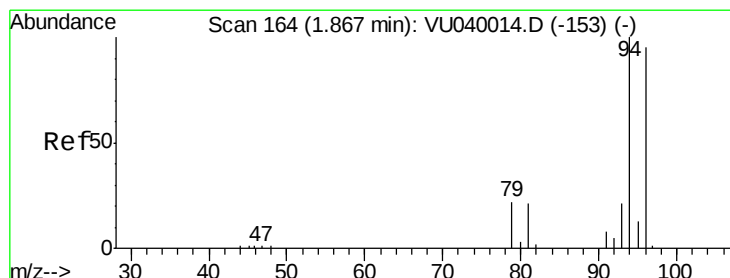
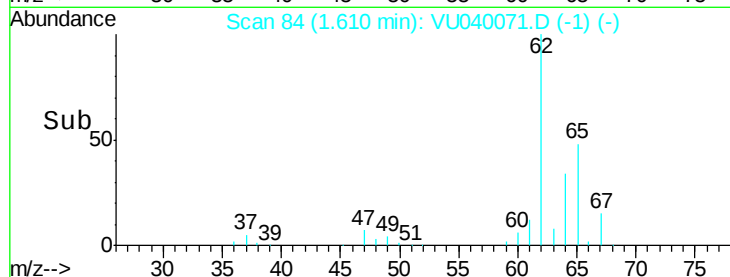
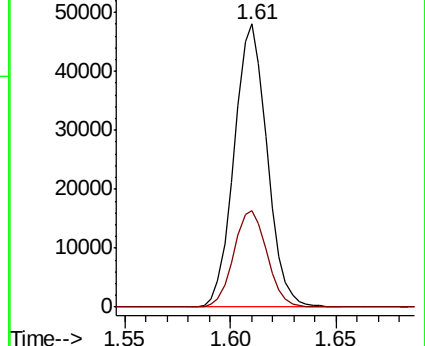
62 100

64 34.3 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: 4.791 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040071.D

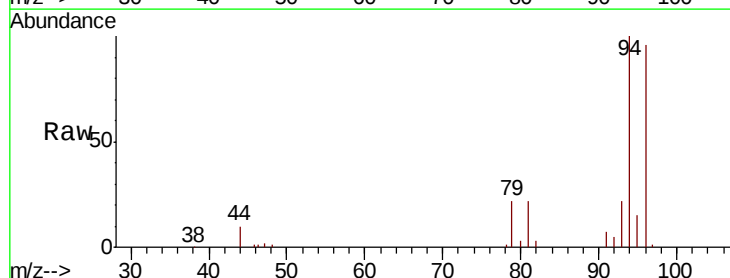
Acq: 10 Sep 2020 09:53

Tgt Ion: 94 Resp: 26963

Ion Ratio Lower Upper

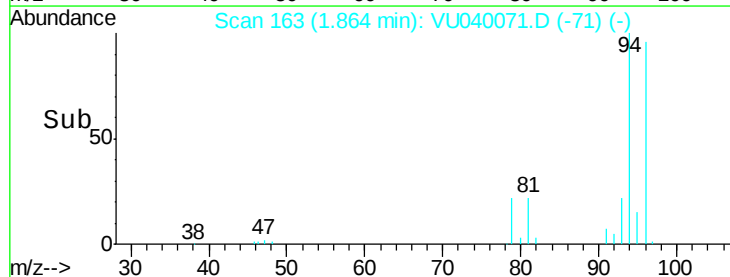
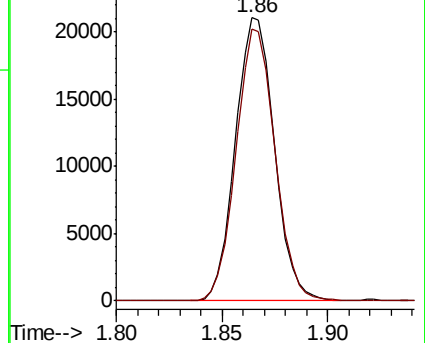
94 100

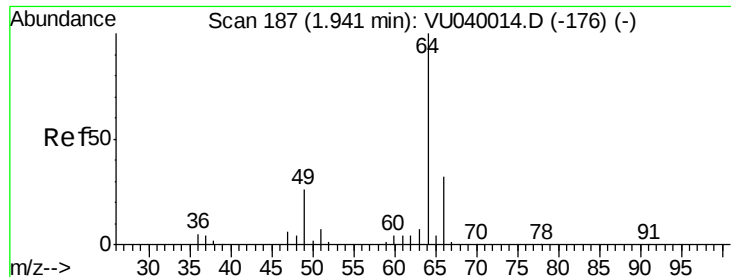
96 96.1 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.821 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

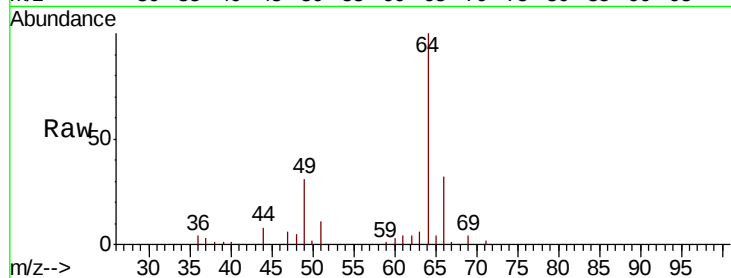
VSTD00526

Tot Ion: 64 Resp: 31900

Ion Ratio Lower Upper

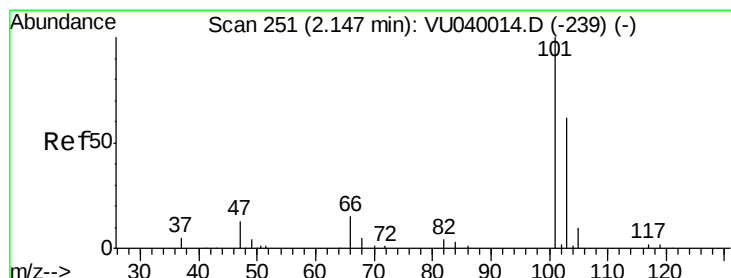
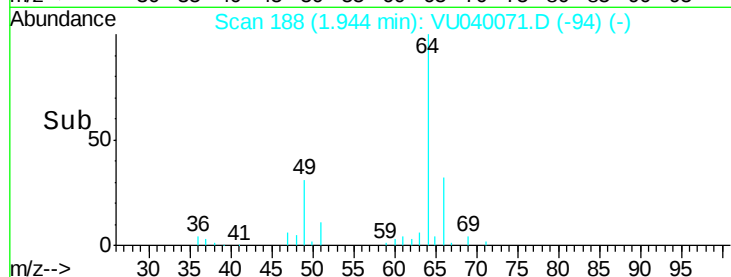
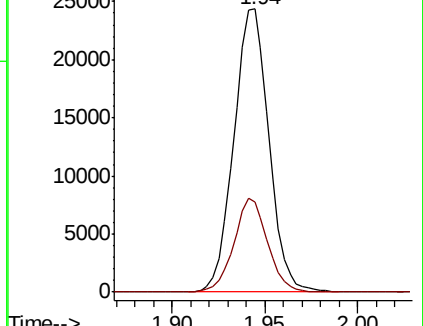
64 100

66 32.0 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU040071.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU040071.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 5.096 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040071.D

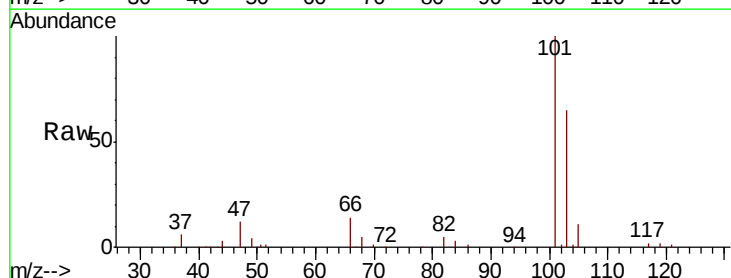
Acq: 10 Sep 2020 09:53

Tgt Ion:101 Resp: 80369

Ion Ratio Lower Upper

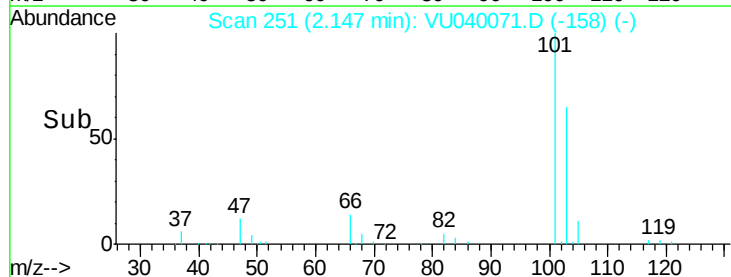
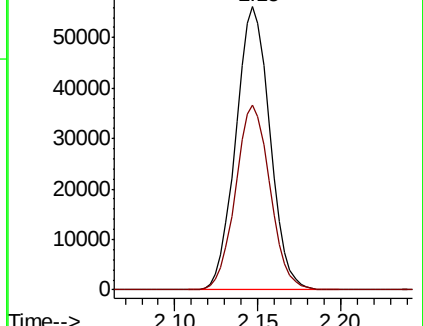
101 100

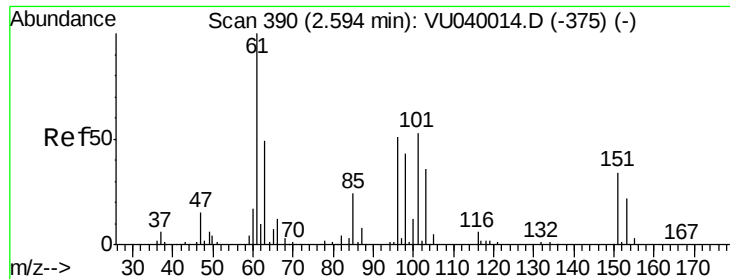
103 65.8 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU040071.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU040071.D (-239) (-)





#10

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

Concen: 4.942 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

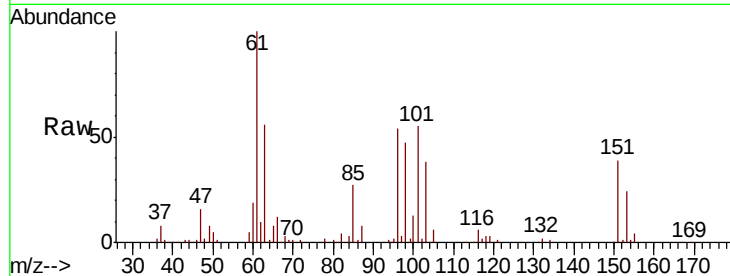
Tot Ion:101 Resp: 50528

Ion Ratio Lower Upper

101 100

85 48.0 37.7 56.5

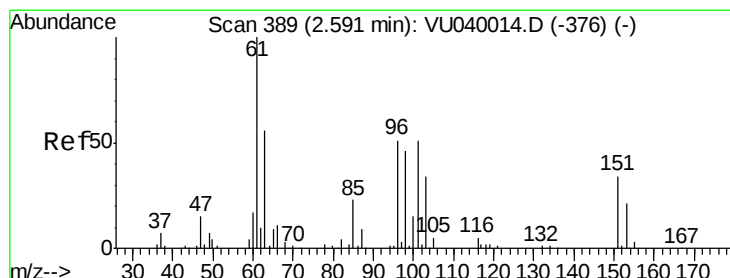
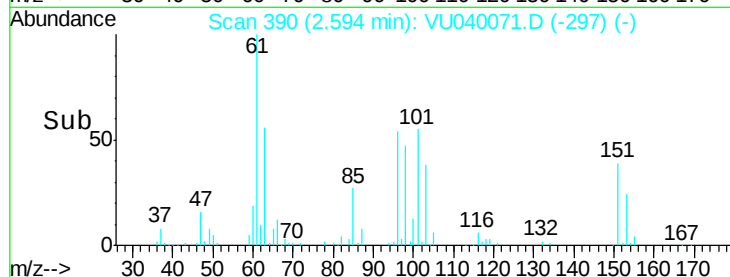
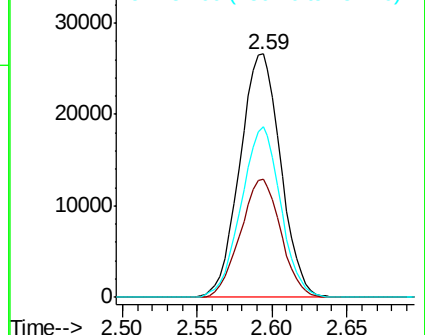
151 67.7 53.9 80.9



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: 5.061 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

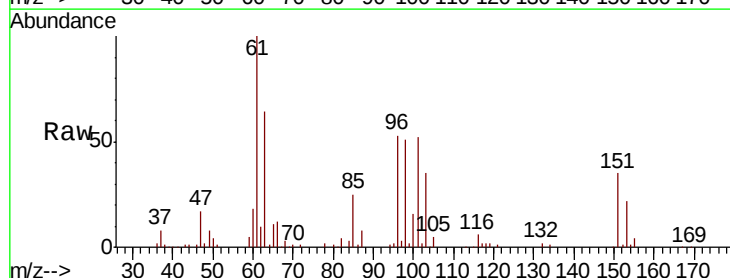
Tgt Ion: 96 Resp: 44767

Ion Ratio Lower Upper

96 100

61 188.9 138.3 256.8

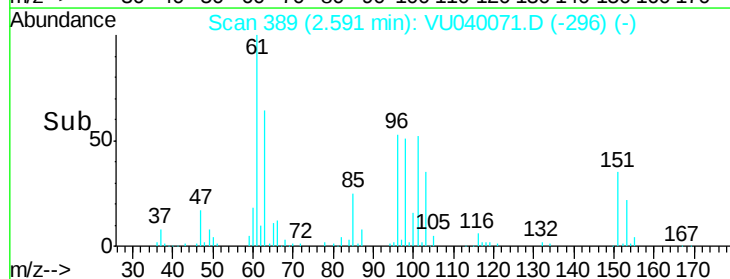
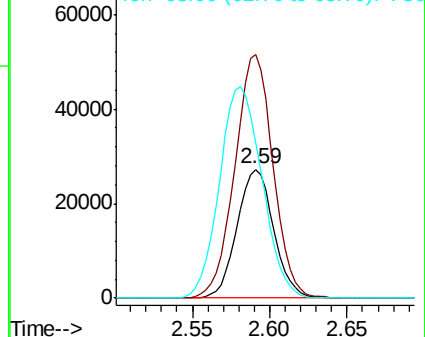
63 120.4 77.6 144.2

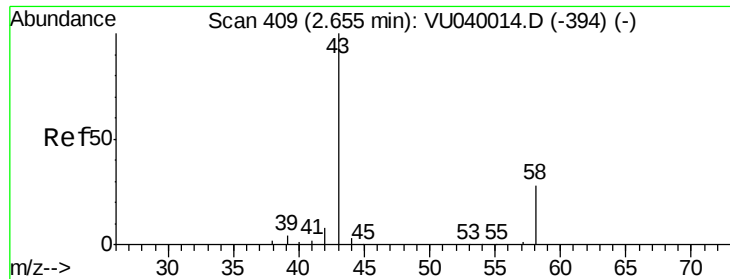


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.532 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

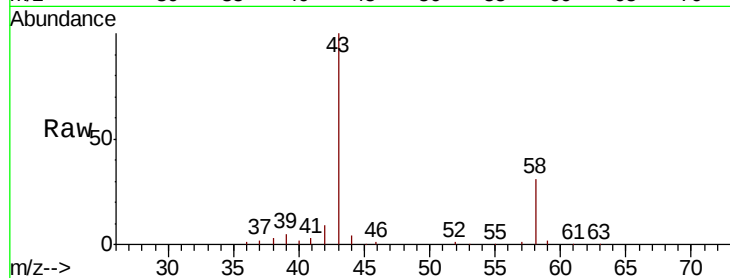
VSTD00526

Tot Ion: 43 Resp: 112145

Ion Ratio Lower Upper

43 100

58 30.1 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040071.D (-314) (-)

Ion 58.05 (57.75 to 58.75): VU040071.D (-314) (-)

2.66

30000

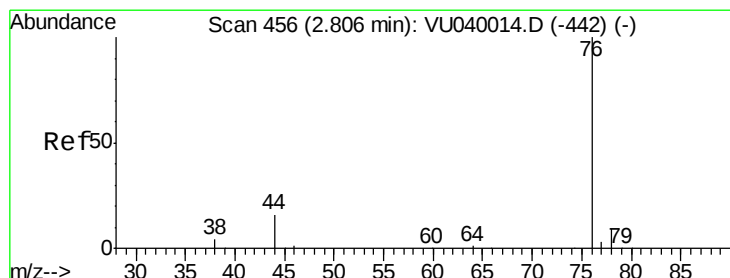
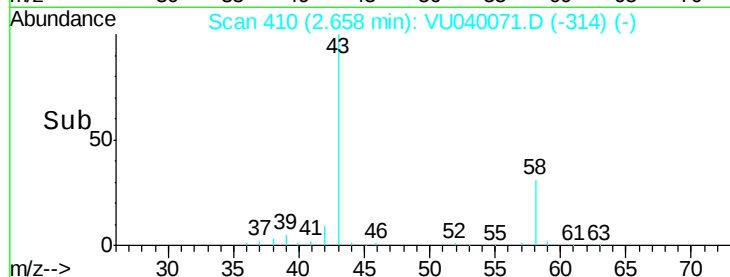
20000

10000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.630 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040071.D

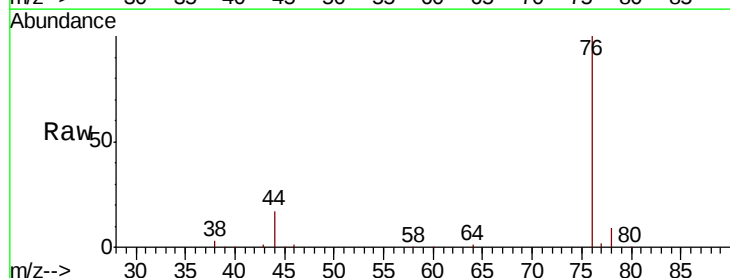
Acq: 10 Sep 2020 09:53

Tgt Ion: 76 Resp: 131326

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040071.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040071.D (-363) (-)

2.80

80000

60000

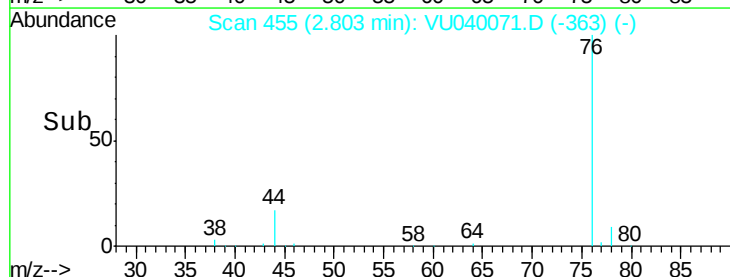
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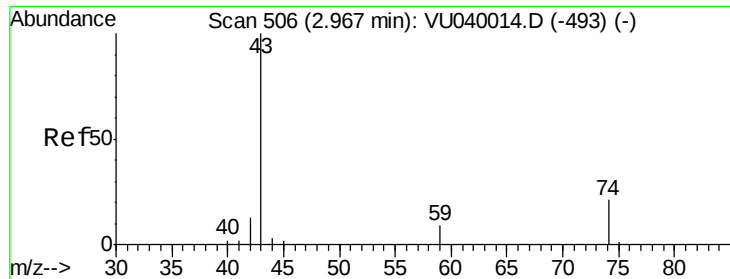
20000

0

Time-->

2.75 2.80 2.85 2.90

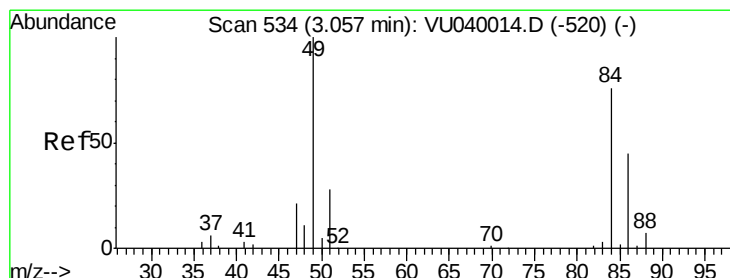
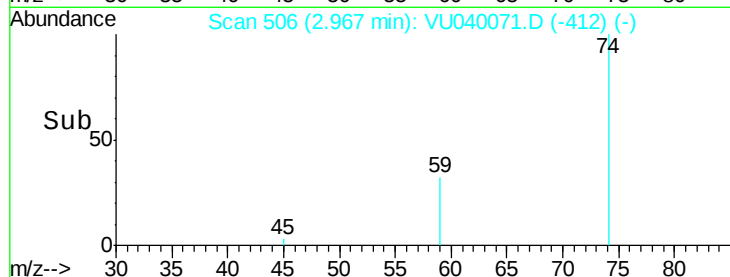
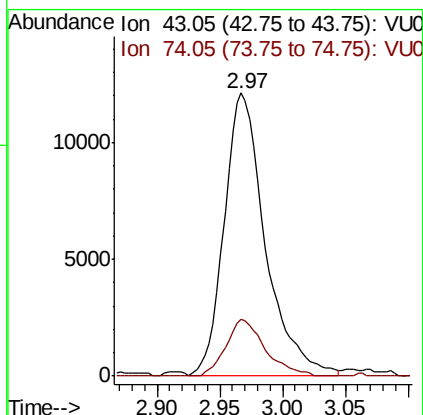
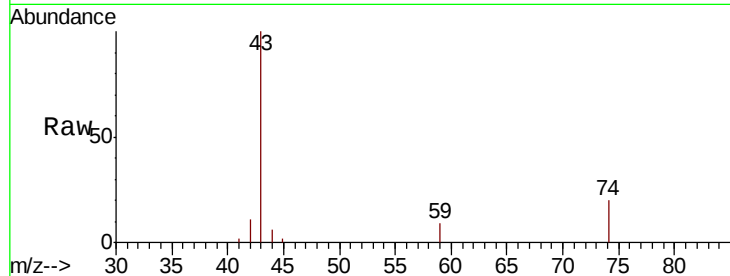




#15
Methyl Acetate
Concen: 4.765 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU040071.D
Acq: 10 Sep 2020 09:53

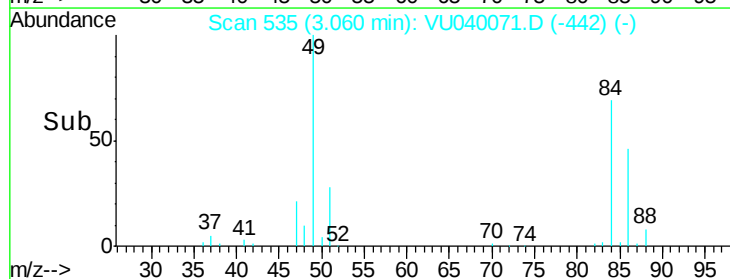
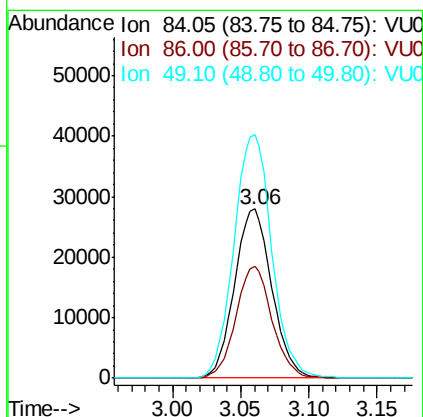
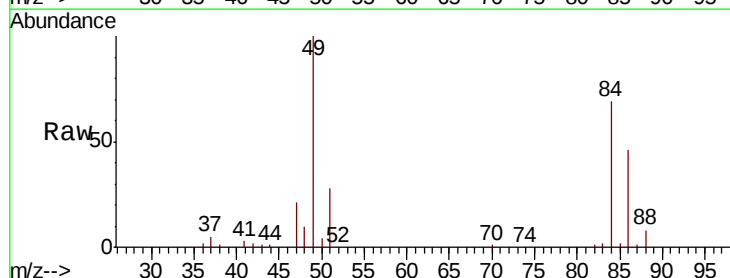
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

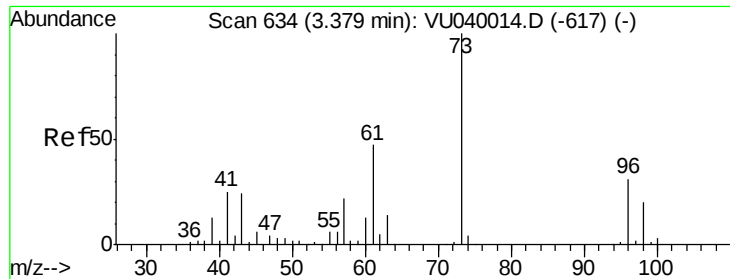
Tot Ion: 43 Resp: 27633
Ion Ratio Lower Upper
43 100
74 19.0 17.4 26.0



#16
Methylene chloride
Concen: 4.589 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040071.D
Acq: 10 Sep 2020 09:53

Tgt Ion: 84 Resp: 53159
Ion Ratio Lower Upper
84 100
86 66.4 45.2 84.0
49 143.9 104.0 193.2

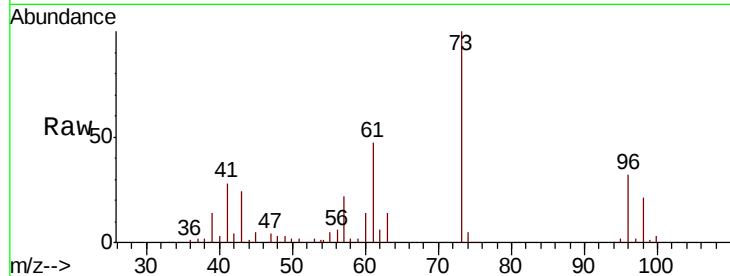




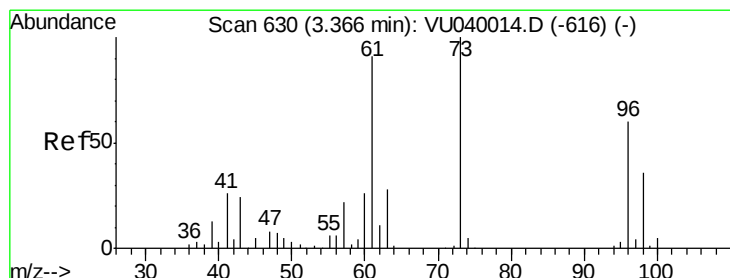
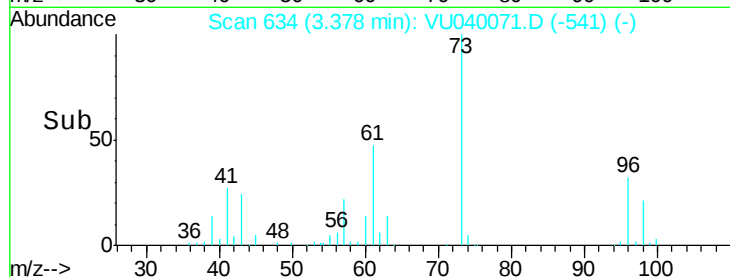
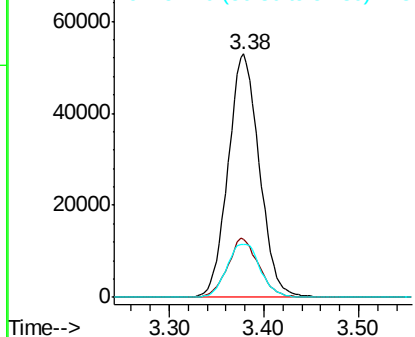
#17
Methvl tert-butvl Ether
Concen: 4.551 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU040071.D
Acq: 10 Sep 2020 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion: 73 Resp: 121319
Ion Ratio Lower Upper
73 100
43 24.2 19.1 28.7
57 23.4 18.3 27.5

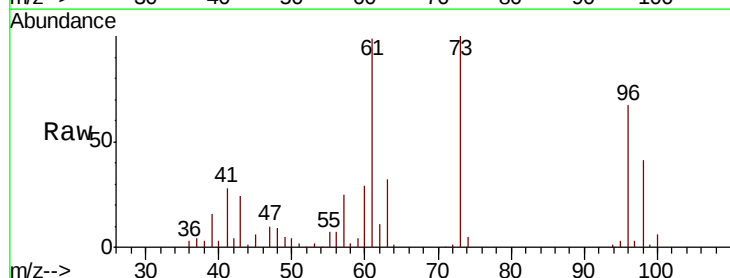


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

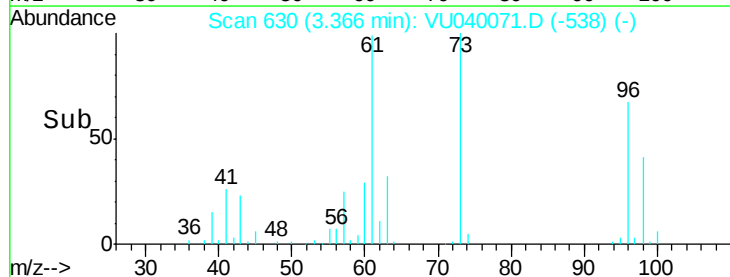
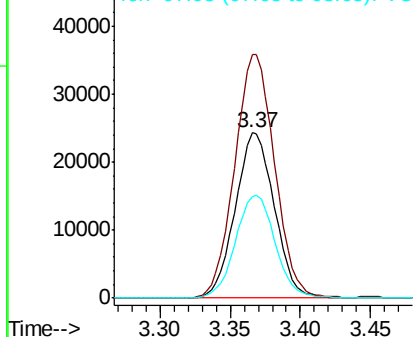


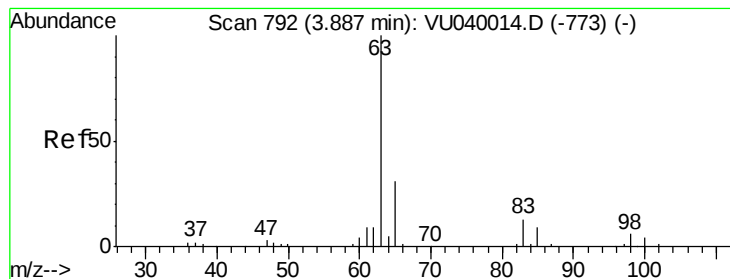
#18
trans-1,2-Dichloroethene
Concen: 4.958 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU040071.D
Acq: 10 Sep 2020 09:53

Tgt Ion: 96 Resp: 47178
Ion Ratio Lower Upper
96 100
61 146.9 110.5 205.3
98 61.2 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: 4.992 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

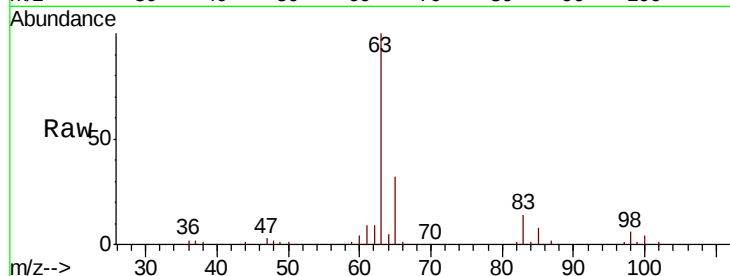
Tot Ion: 63 Resp: 97782

Ion Ratio Lower Upper

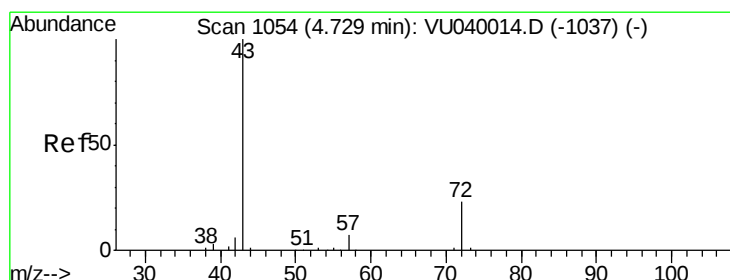
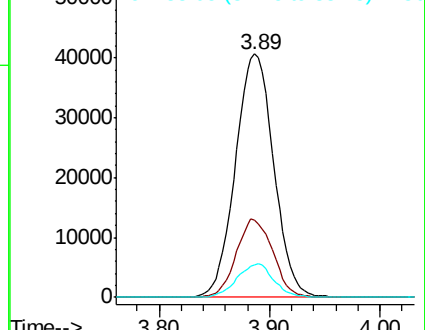
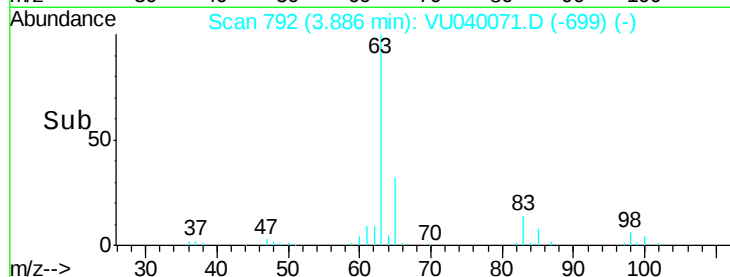
63 100

65 31.9 22.2 41.2

83 13.5 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU040071.D (-699) (-)



#21

2-Butanone

Concen: 48.503 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VU040071.D

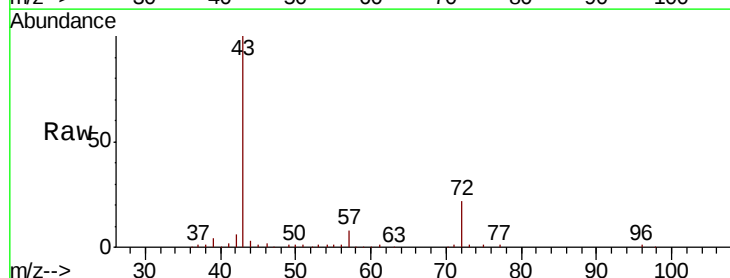
Acq: 10 Sep 2020 09:53

Tgt Ion: 43 Resp: 182979

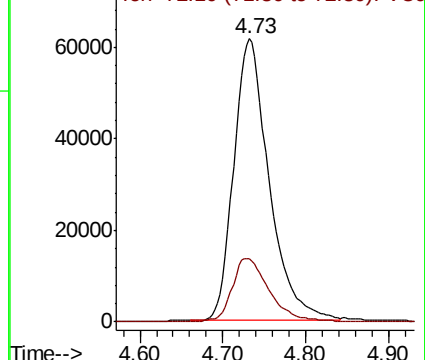
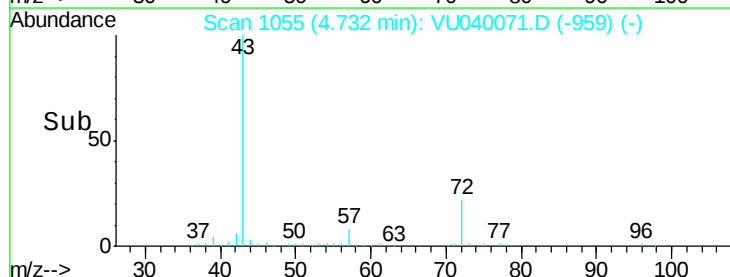
Ion Ratio Lower Upper

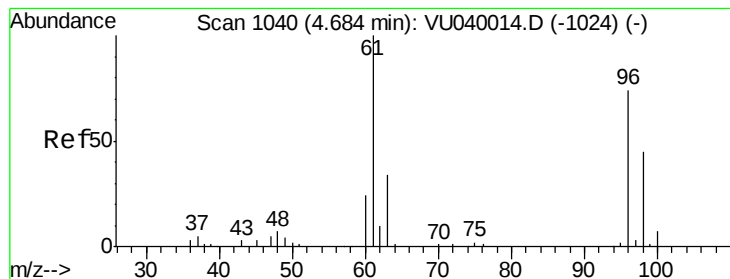
43 100

72 23.6 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU040071.D (-959) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.950 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

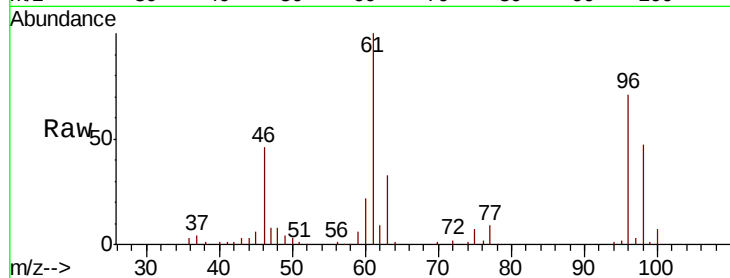
Tot Ion: 96 Resp: 50649

Ion Ratio Lower Upper

96 100

61 141.1 98.8 183.4

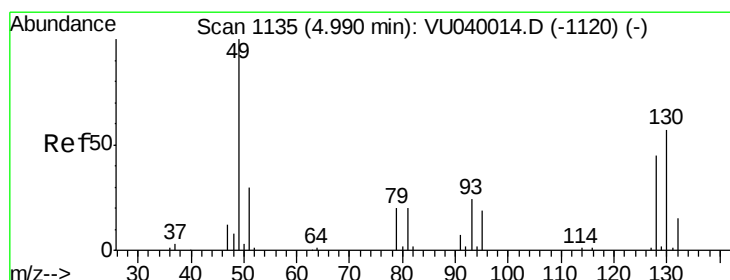
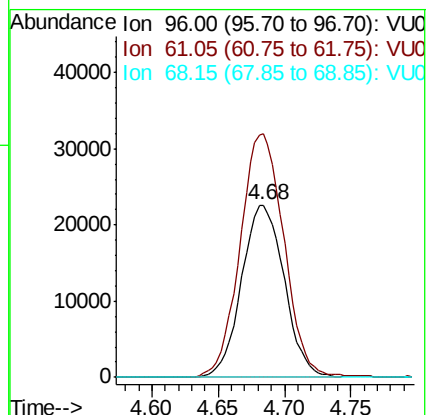
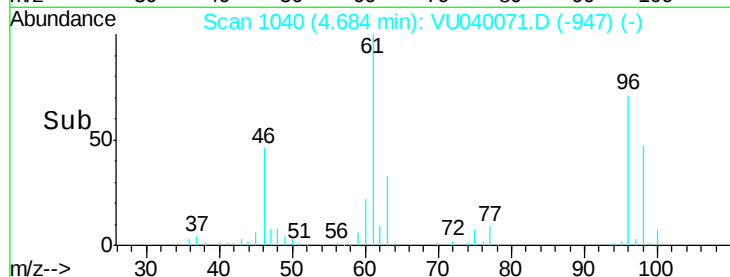
68 0.0 0.0 0.0



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: 5.042 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Tgt Ion: 128 Resp: 22603

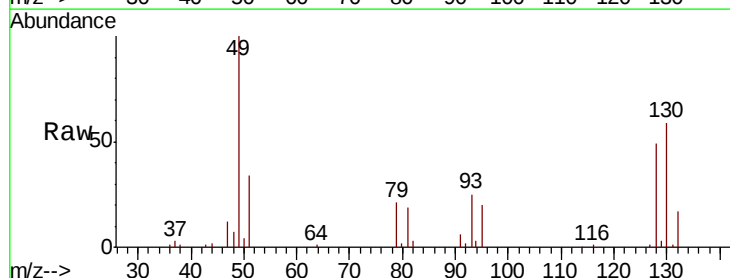
Ion Ratio Lower Upper

128 100

49 204.4 143.4 266.4

130 120.8 89.5 166.3

51 68.9 51.0 76.4

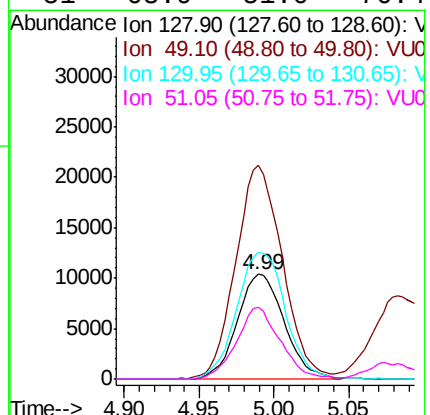
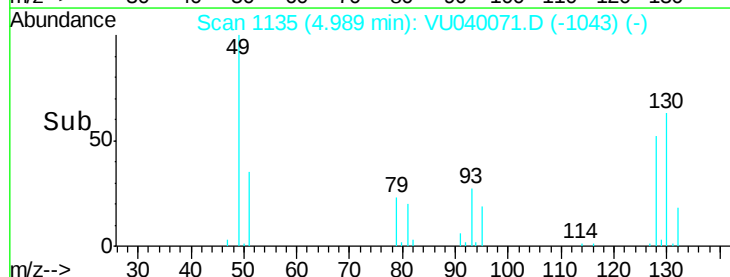


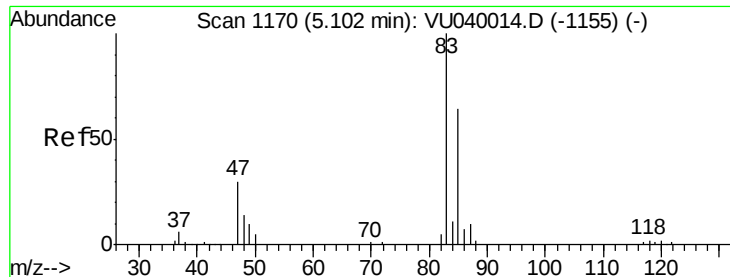
Abundance Ion 127.90 (127.60 to 128.60): V

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

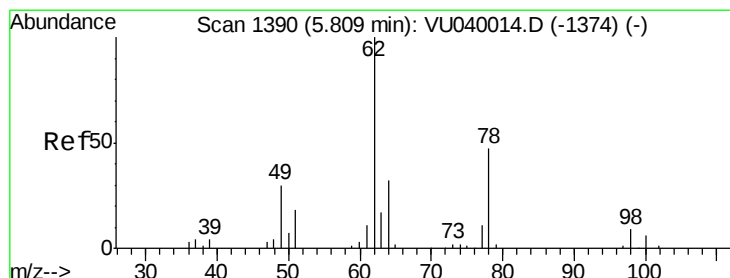
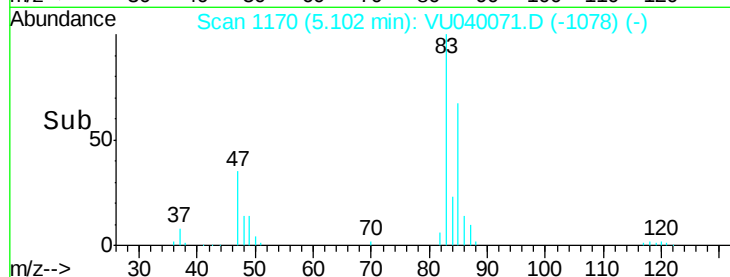
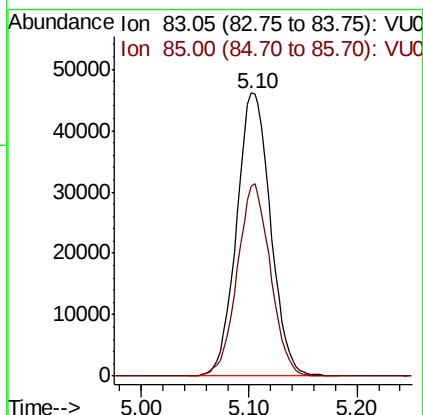
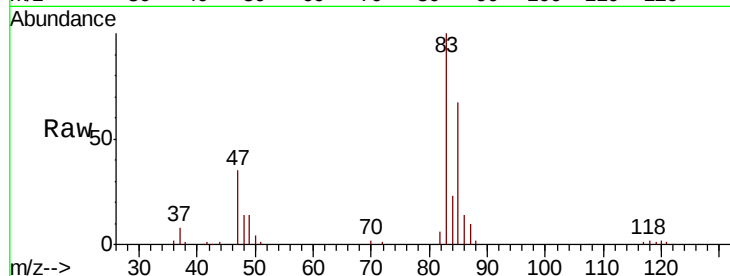




#25
Chloroform
Concen: 5.037 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040071.D
Acq: 10 Sep 2020 09:53

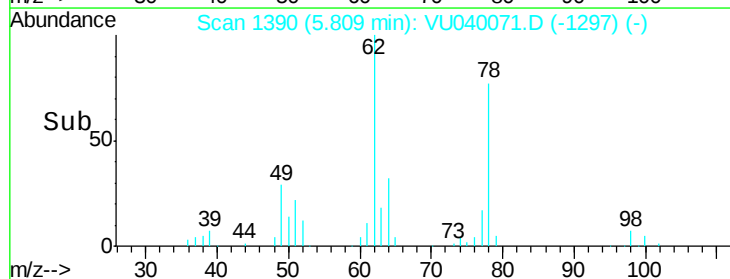
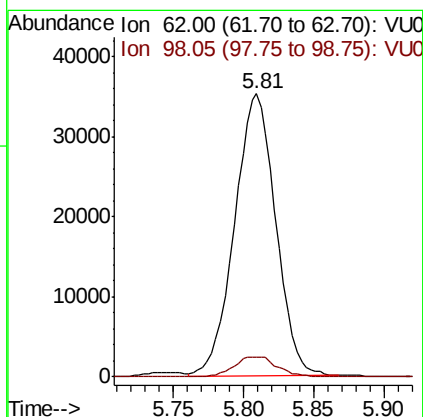
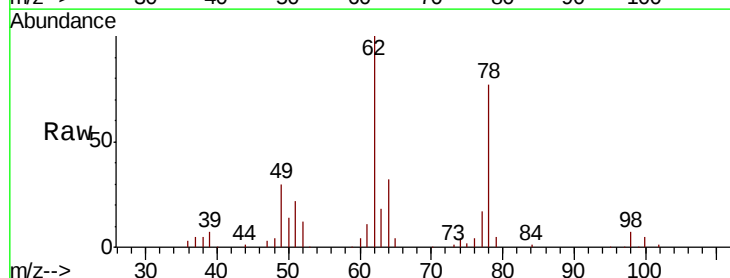
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

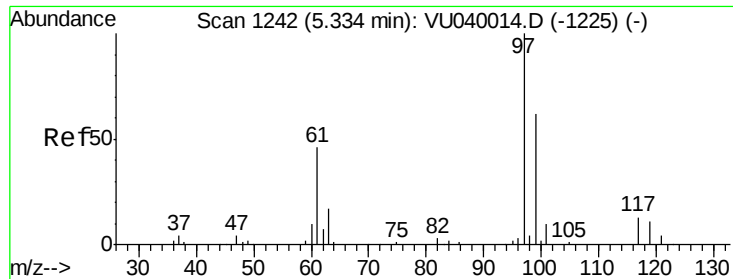
Tot Ion: 83 Resp: 101022
Ion Ratio Lower Upper
83 100
85 67.2 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.890 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040071.D
Acq: 10 Sep 2020 09:53

Tgt Ion: 62 Resp: 71862
Ion Ratio Lower Upper
62 100
98 6.8 6.1 9.1

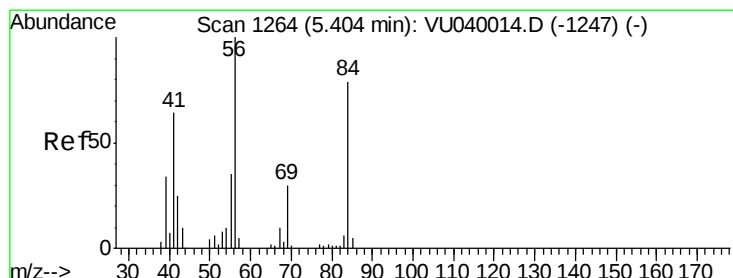
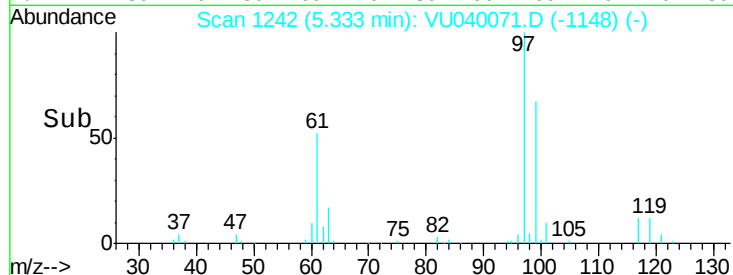
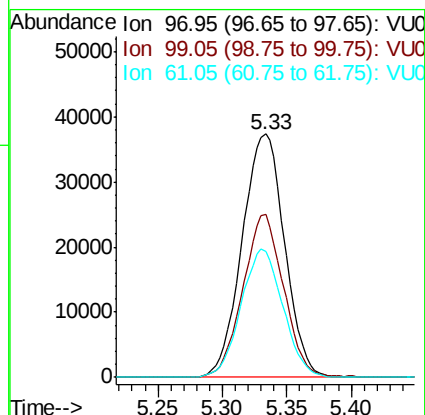
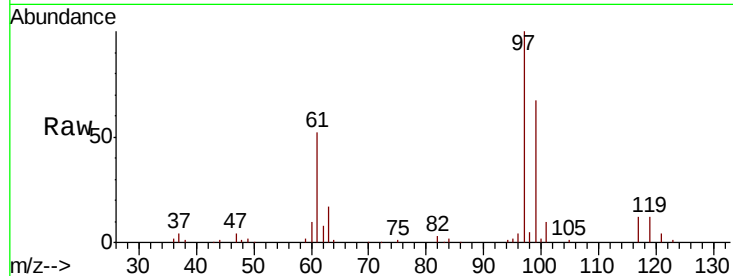




#29
 1,1,1-Trichloroethane
 Concen: 4.815 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040071.D
 Acq: 10 Sep 2020 09:53

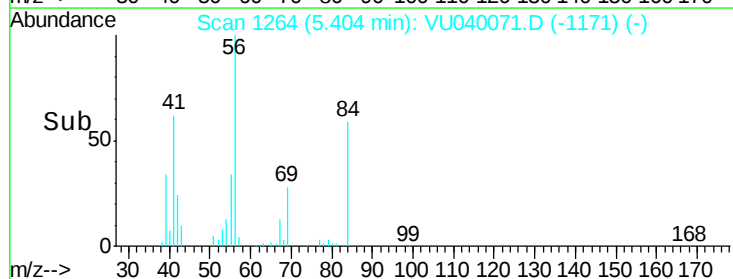
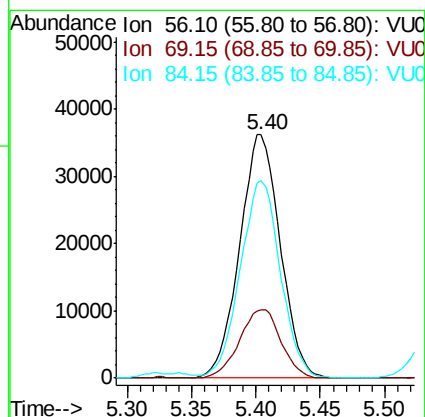
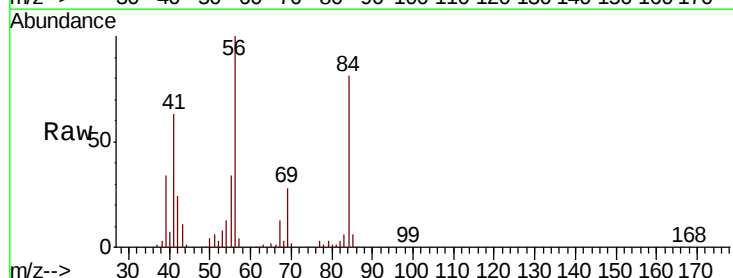
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

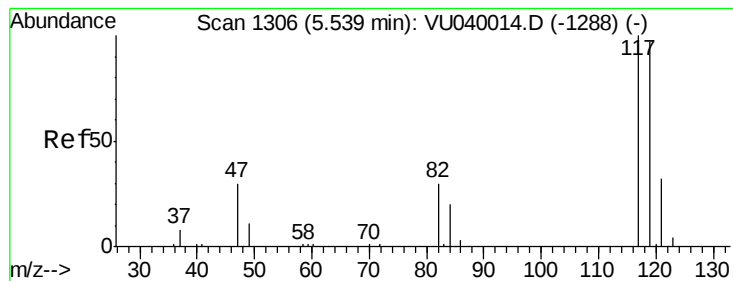
Tot Ion	97	Resp	85699
Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.9	76.3
61	52.0	39.5	59.3



#30
 Cyclohexane
 Concen: 4.596 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040071.D
 Acq: 10 Sep 2020 09:53

Tgt Ion	56	Resp	79330
Ion	Ratio	Lower	Upper
56	100		
69	28.7	24.1	36.1
84	80.3	65.0	97.4





#31

Carbon tetrachloride

Concen: 4.817 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

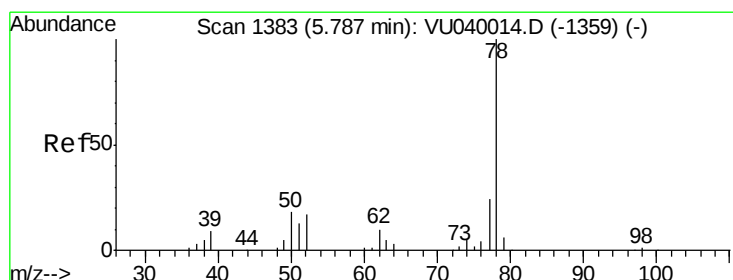
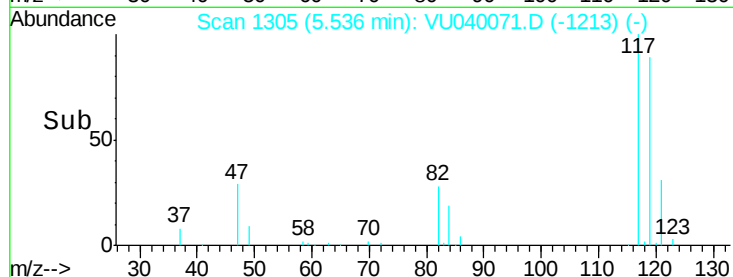
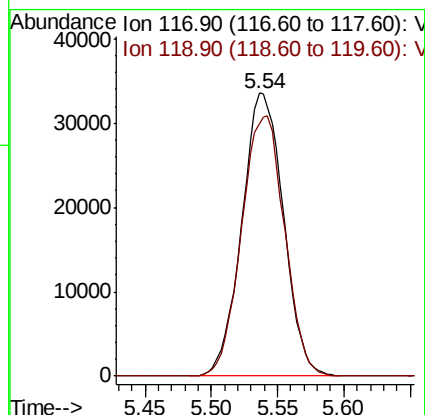
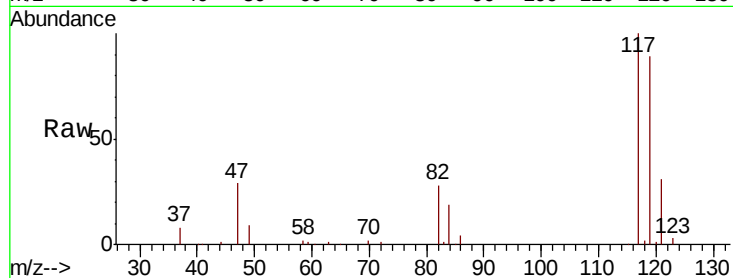
VSTD00526

Tot Ion:117 Resp: 73377

Ion Ratio Lower Upper

117 100

119 95.1 77.7 116.5



#33

Benzene

Concen: 4.914 ug/L

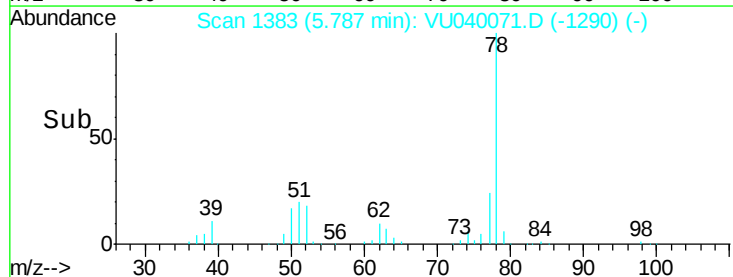
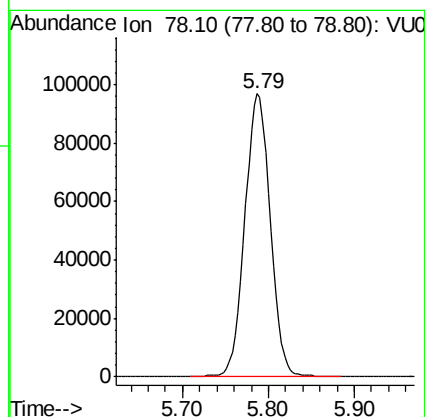
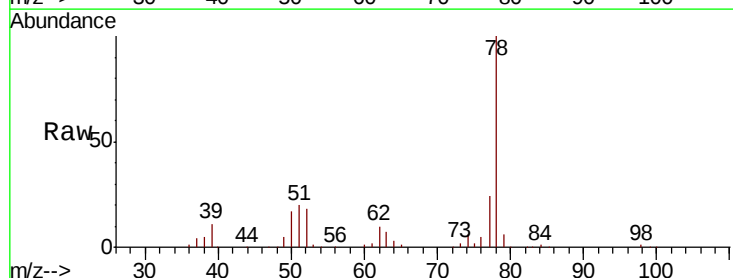
RT: 5.79 min Scan# 1383

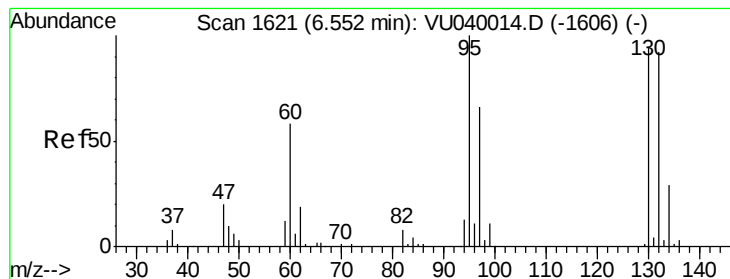
Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Tgt Ion: 78 Resp: 199264





#34

Trichloroethene

Concen: 4.942 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tot Ion: 95 Resp: 53753

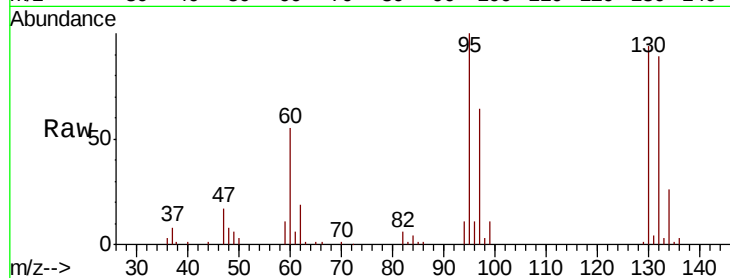
Ion Ratio Lower Upper

95 100

97 63.5 43.3 80.5

132 89.1 59.4 110.4

130 93.8 64.8 120.4

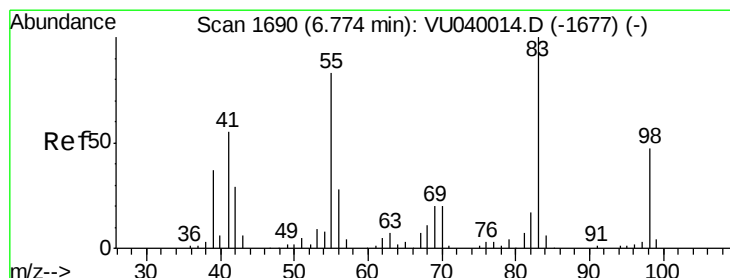
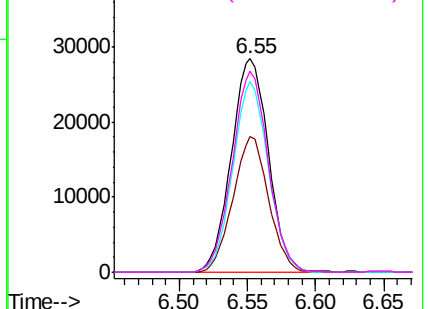
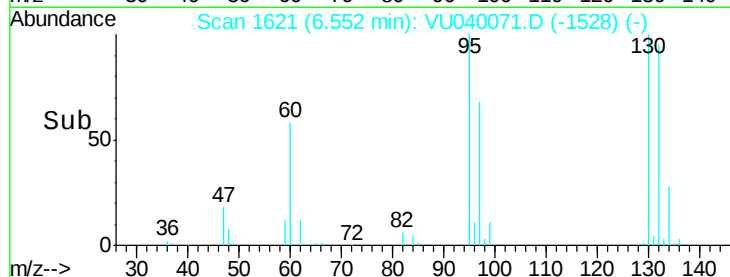


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.628 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

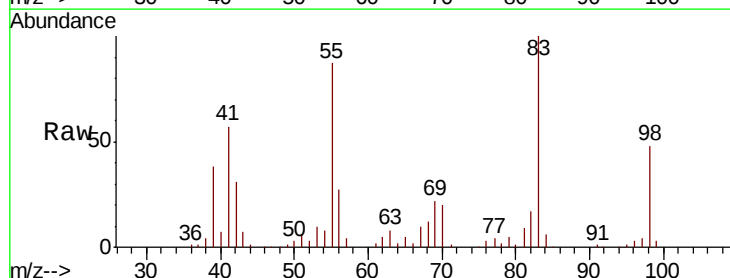
Tgt Ion: 83 Resp: 77088

Ion Ratio Lower Upper

83 100

55 85.6 70.5 105.7

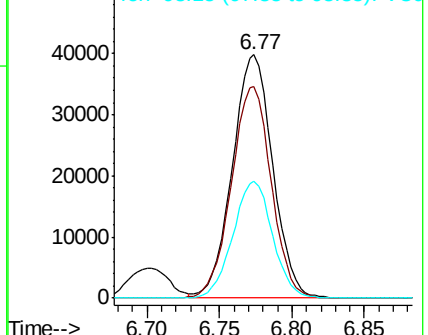
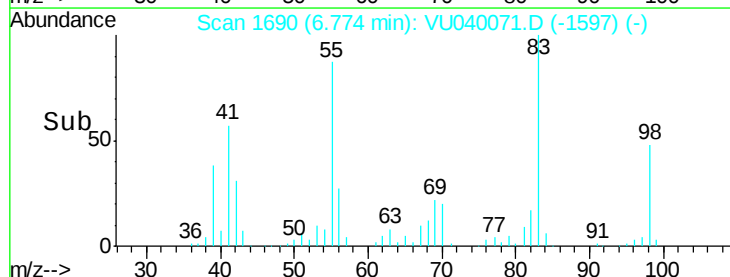
98 46.9 37.8 56.6

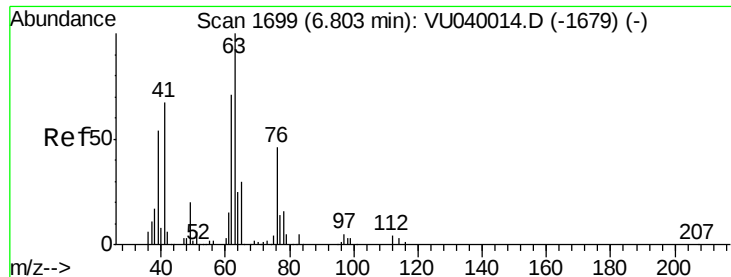


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.060 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

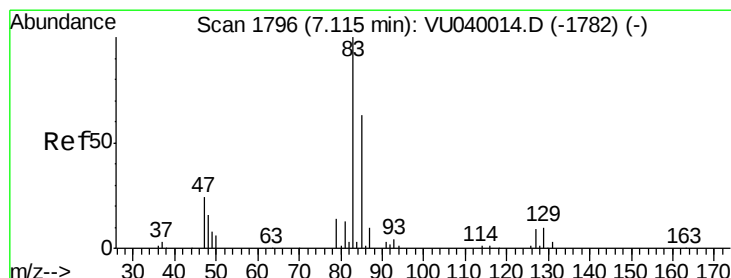
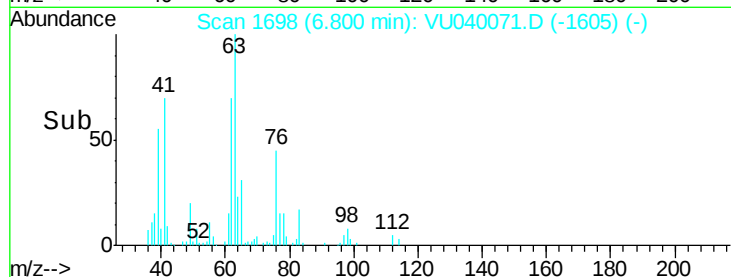
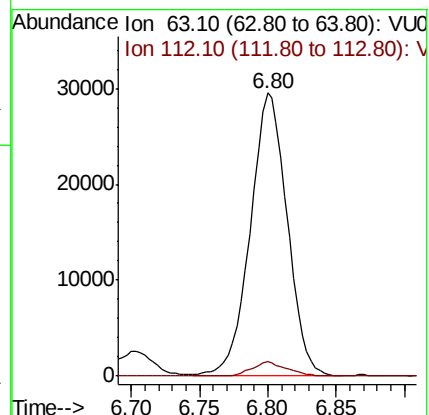
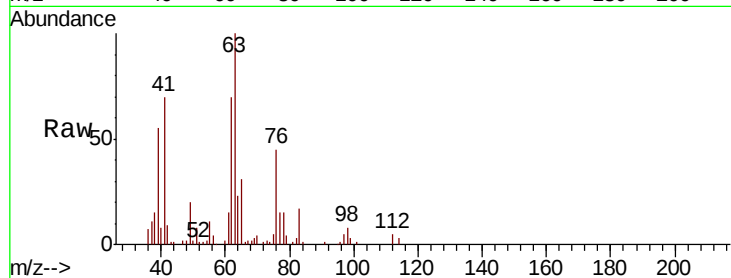
VSTD00526

Tot Ion: 63 Resp: 55562

Ion Ratio Lower Upper

63 100

112 4.6 3.2 4.8



#38

Bromodichloromethane

Concen: 4.906 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

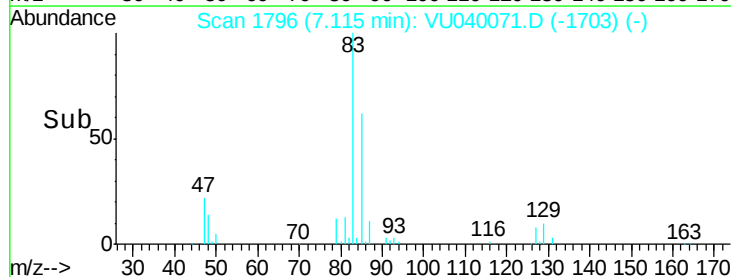
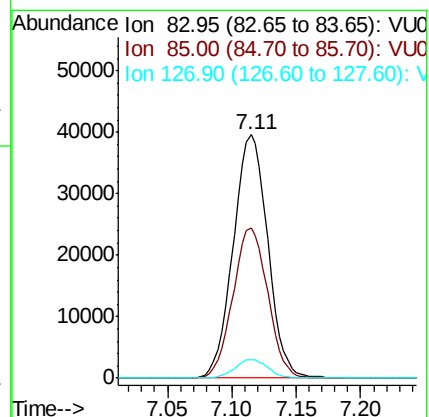
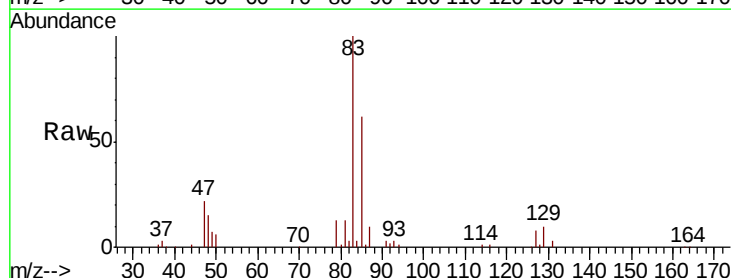
Tgt Ion: 83 Resp: 73539

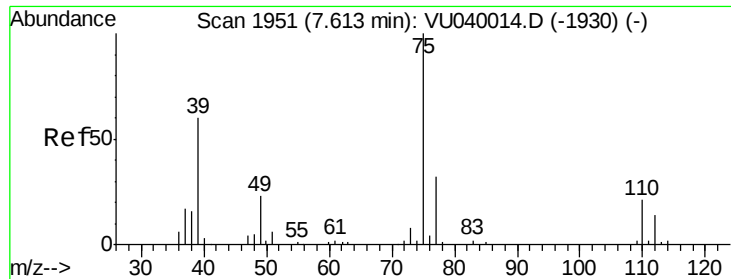
Ion Ratio Lower Upper

83 100

85 61.5 45.1 83.9

127 7.7 6.7 10.1

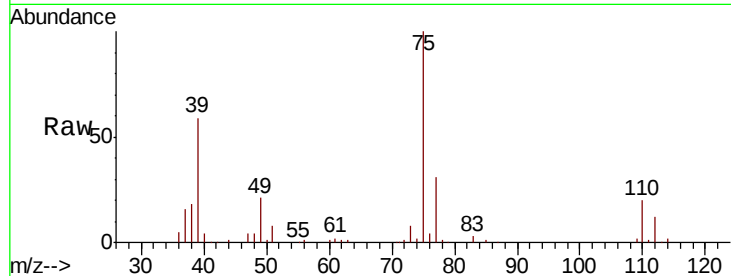




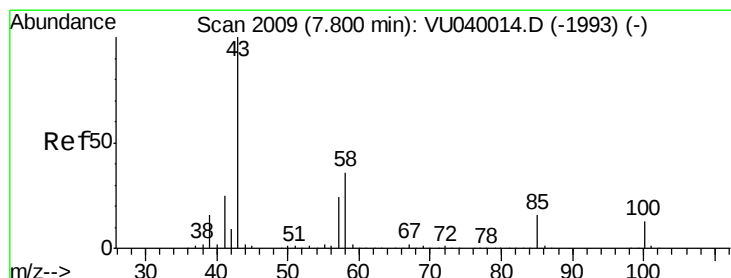
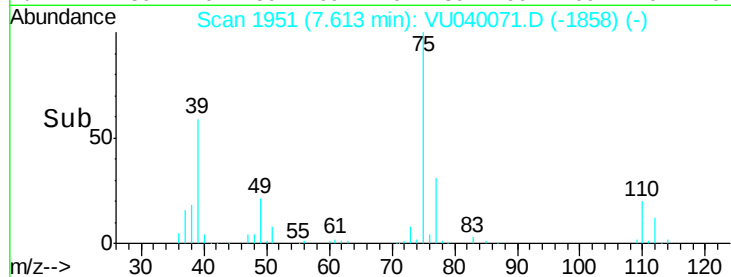
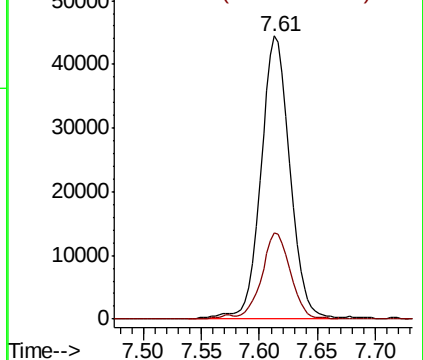
#39
 cis-1,3-Dichloropropene
 Concen: 4.782 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040071.D
 Acq: 10 Sep 2020 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion: 75 Resp: 77442
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.1 39.3

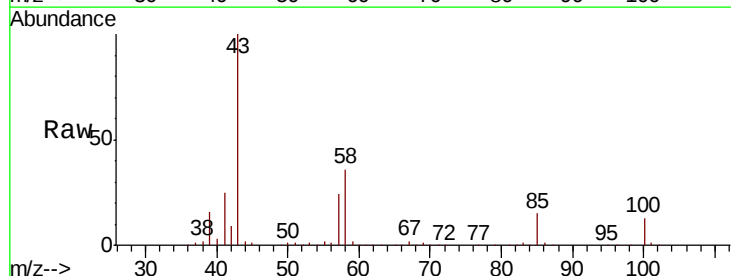


Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

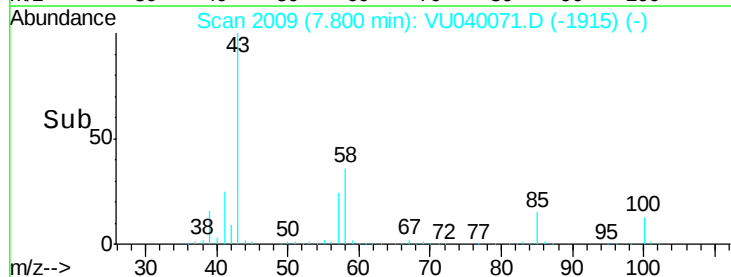
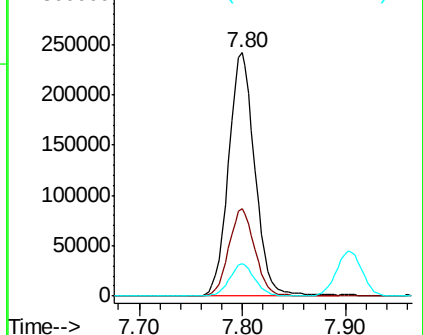


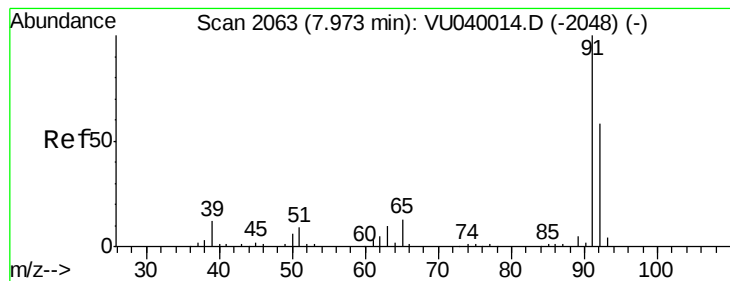
#40
 4-Methyl-2-pentanone
 Concen: 47.723 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040071.D
 Acq: 10 Sep 2020 09:53

Tgt Ion: 43 Resp: 429959
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.7 43.1
 100 12.9 10.2 15.2



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





#42

Toluene

Concen: 5.099 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

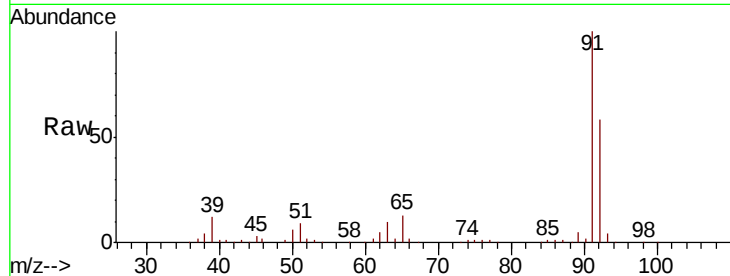
VSTD00526

Tot Ion: 91 Resp: 212950

Ion Ratio Lower Upper

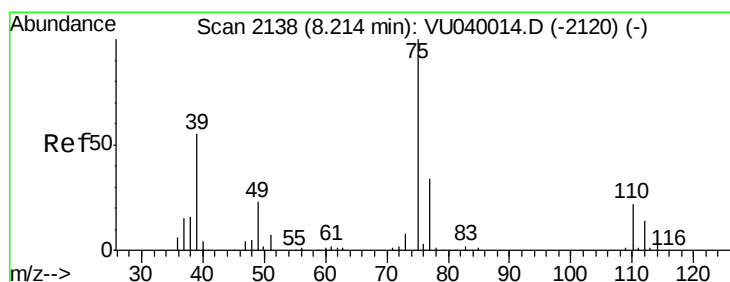
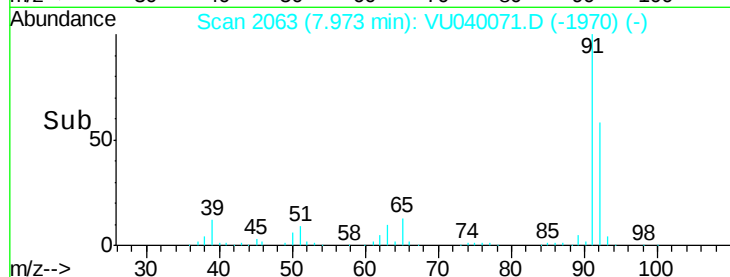
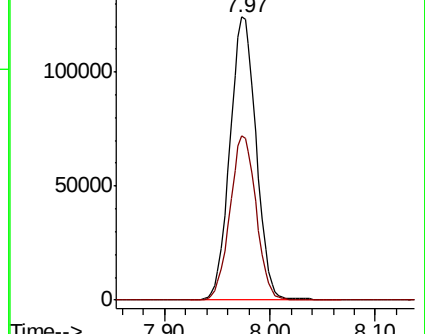
91 100

92 58.2 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.792 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040071.D

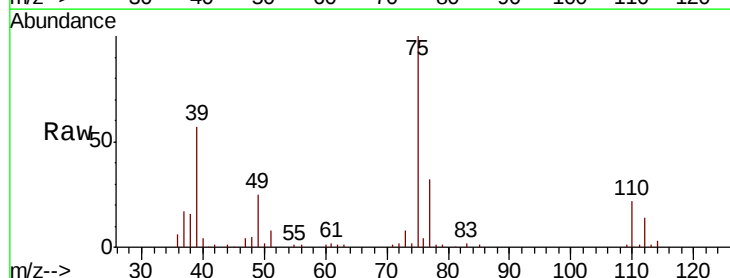
Acq: 10 Sep 2020 09:53

Tgt Ion: 75 Resp: 71902

Ion Ratio Lower Upper

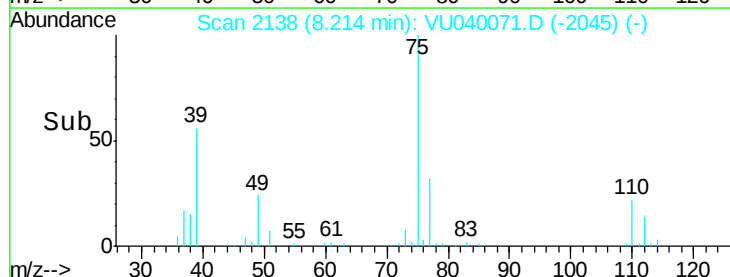
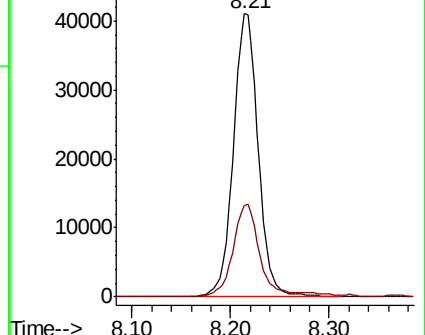
75 100

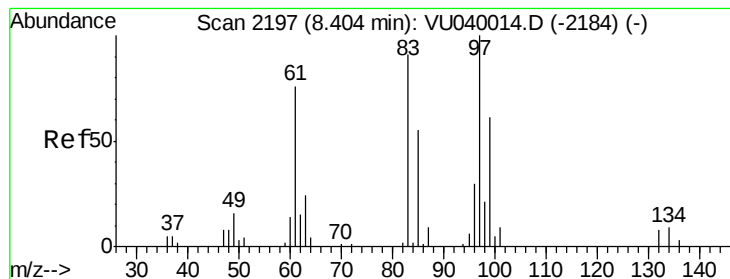
77 32.5 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 4.848 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tot Ion: 97 Resp: 38781

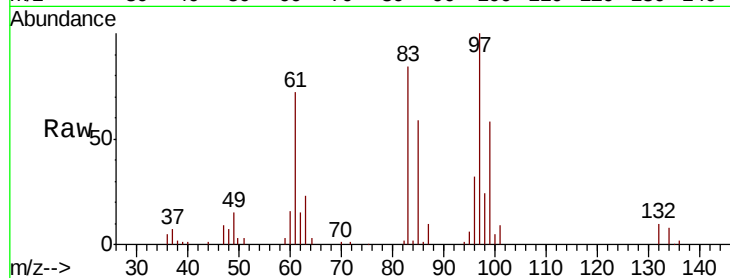
Ion Ratio Lower Upper

97 100

99 57.6 43.0 79.8

83 84.0 61.7 114.7

85 58.6 39.3 73.1

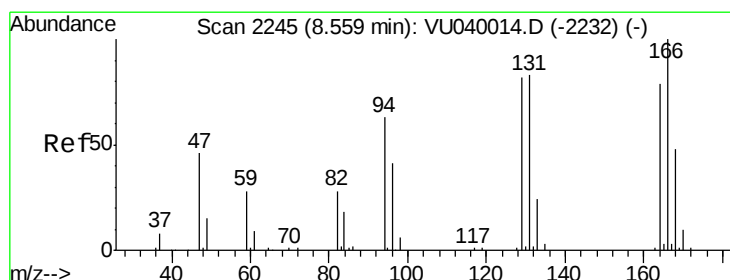
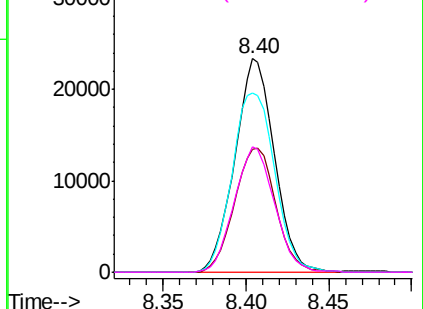
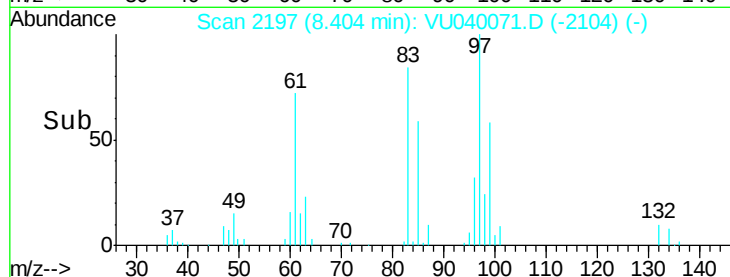


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.909 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Tgt Ion: 164 Resp: 35076

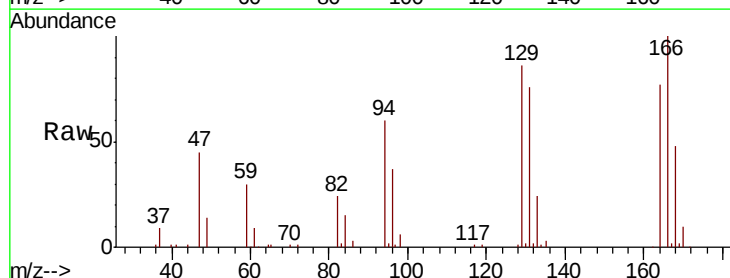
Ion Ratio Lower Upper

164 100

129 112.1 71.5 132.7

131 98.7 65.9 122.5

166 129.9 87.3 162.1

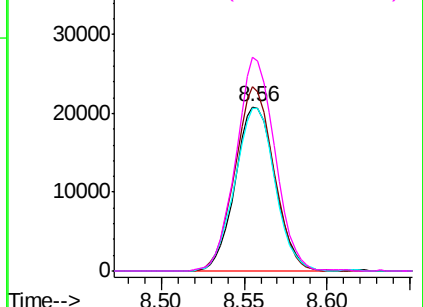
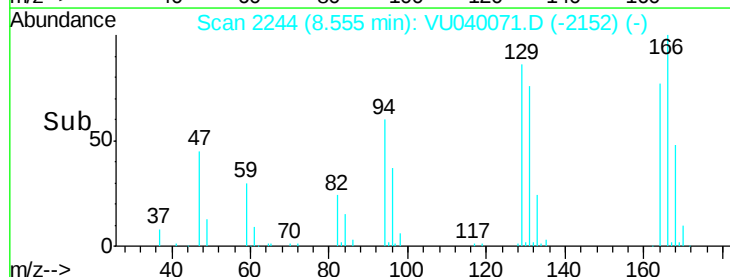


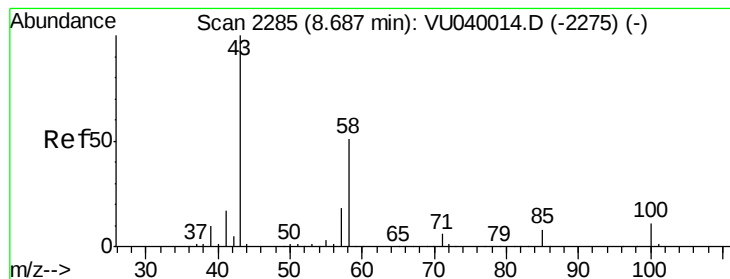
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 48.604 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tot Ion: 43 Resp: 319417

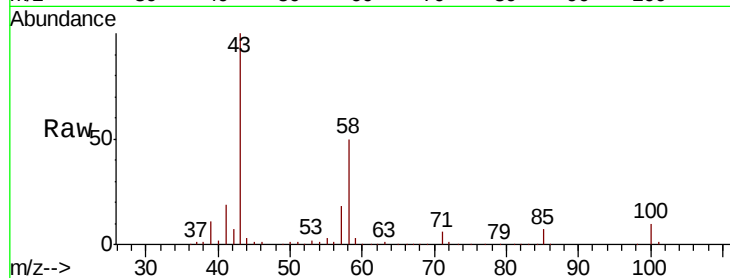
Ion Ratio Lower Upper

43 100

58 49.3 39.6 59.4

57 17.7 14.3 21.5

100 10.2 8.0 12.0

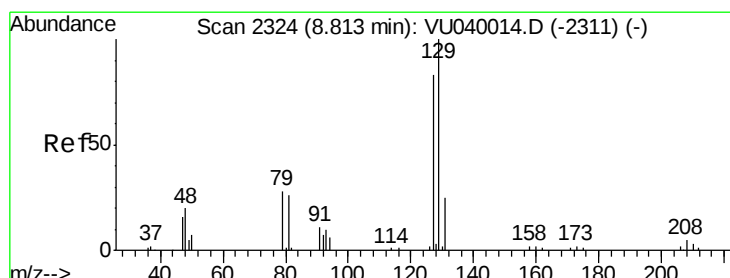
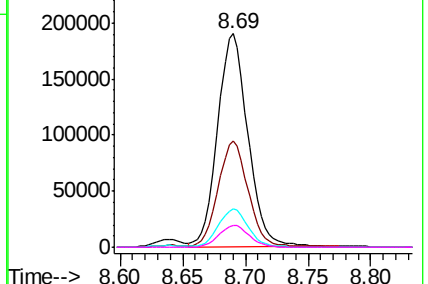
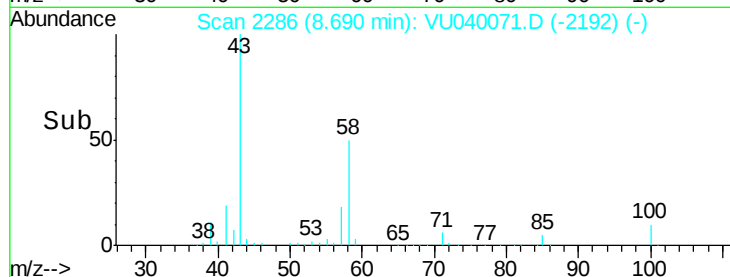


Abundance Ion 43.05 (42.75 to 43.75): VU040071.D (-2192) (-)

Ion 58.05 (57.75 to 58.75): VU040071.D (-2192) (-)

Ion 57.20 (56.90 to 57.90): VU040071.D (-2192) (-)

Ion 100.15 (99.85 to 100.85): VU040071.D (-2192) (-)



#49

Dibromochloromethane

Concen: 4.849 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040071.D

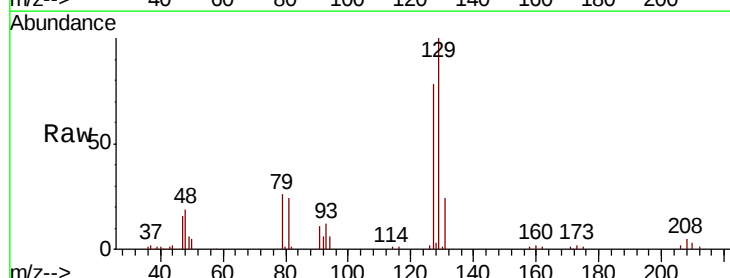
Acq: 10 Sep 2020 09:53

Tgt Ion: 129 Resp: 46554

Ion Ratio Lower Upper

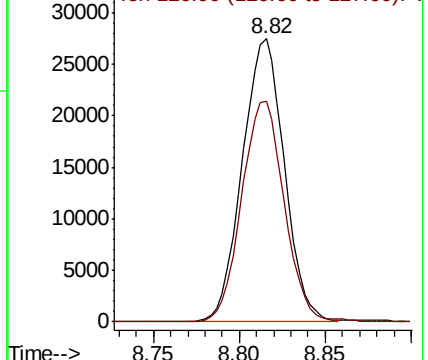
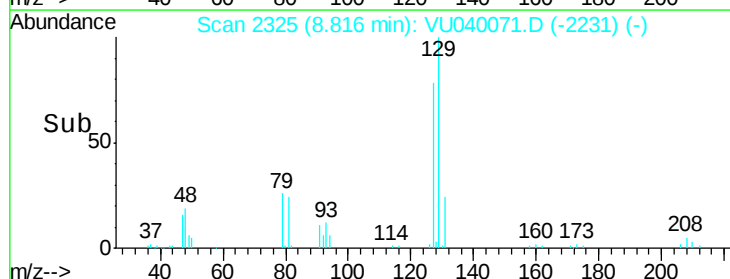
129 100

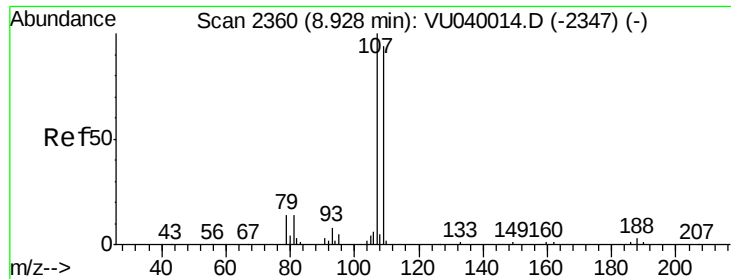
127 77.8 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): VU040071.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU040071.D (-2231) (-)

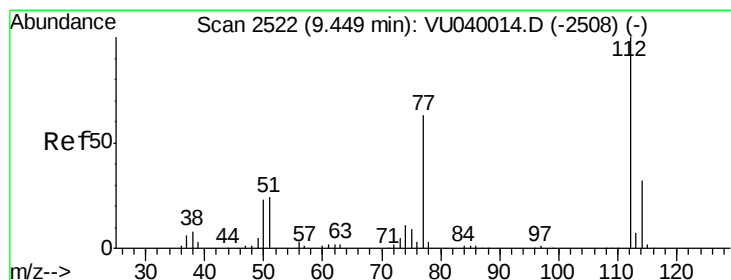
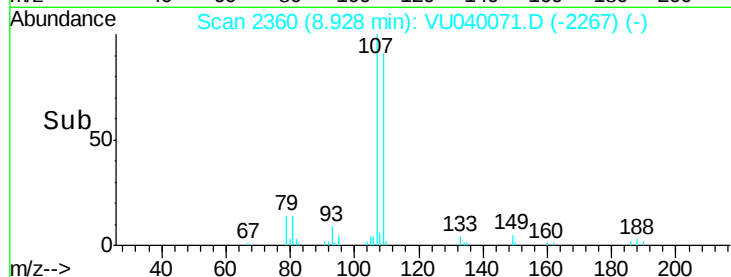
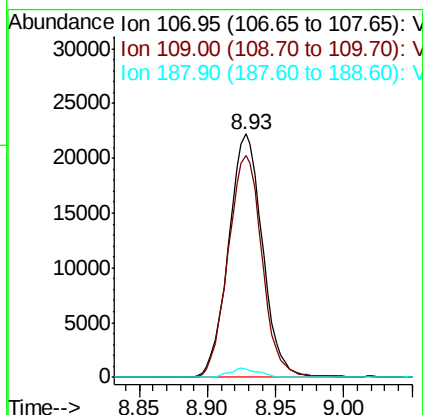
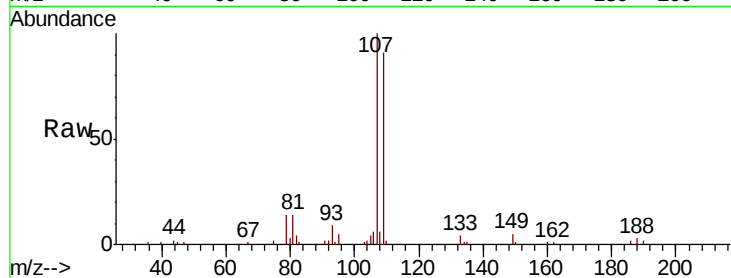




#50
 1,2-Dibromoethane
 Concen: 4.978 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040071.D
 Acq: 10 Sep 2020 09:53

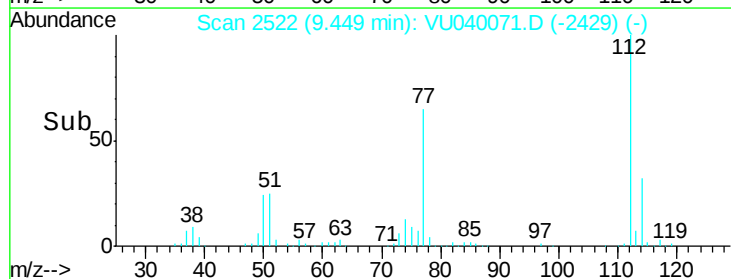
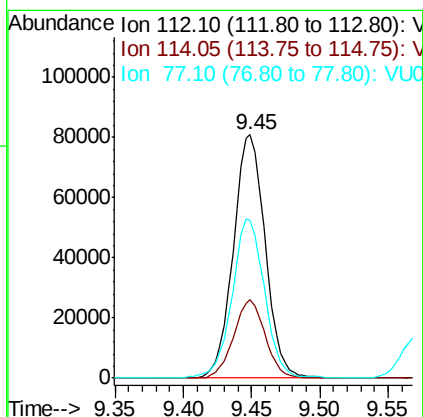
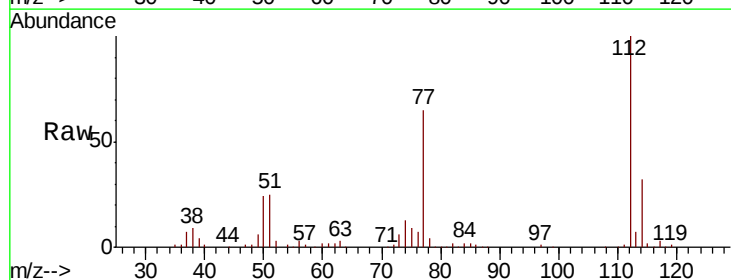
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

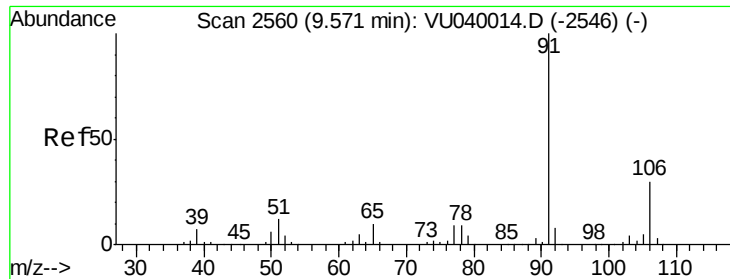
Tot Ion:107 Resp: 38390
 Ion Ratio Lower Upper
 107 100
 109 91.3 62.4 115.8
 188 3.3 2.3 3.5



#51
 Chlorobenzene
 Concen: 5.076 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040071.D
 Acq: 10 Sep 2020 09:53

Tgt Ion:112 Resp: 131611
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.7 42.3
 77 65.0 53.2 79.8





#52

Ethylbenzene

Concen: 4.993 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

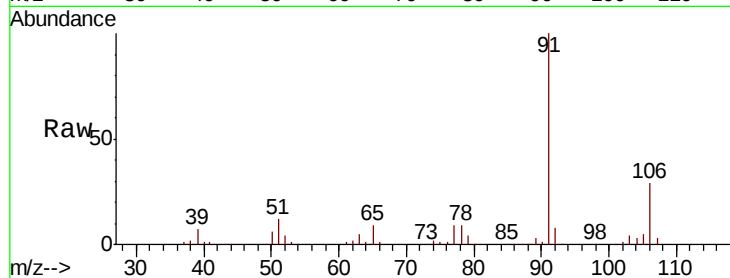
VSTD00526

Tot Ion: 91 Resp: 236916

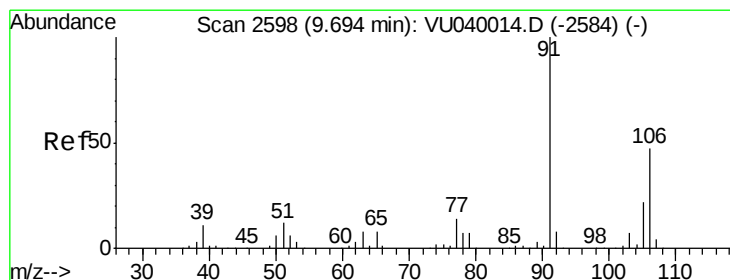
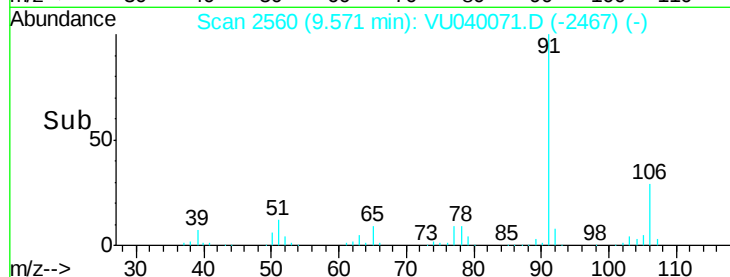
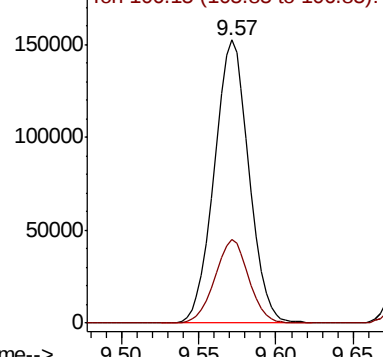
Ion Ratio Lower Upper

91 100

106 29.5 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040071.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.199 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040071.D

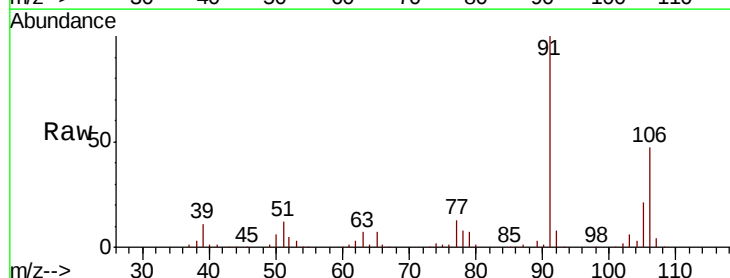
Acq: 10 Sep 2020 09:53

Tgt Ion: 106 Resp: 87839

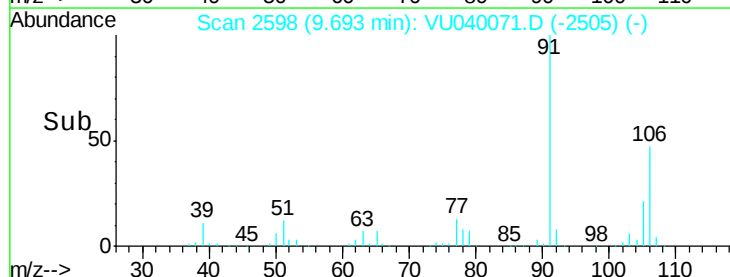
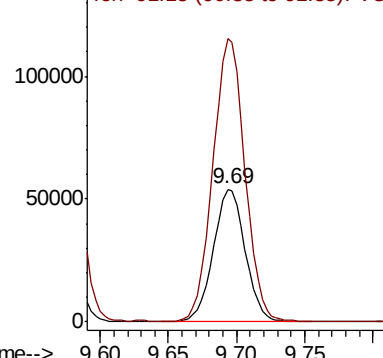
Ion Ratio Lower Upper

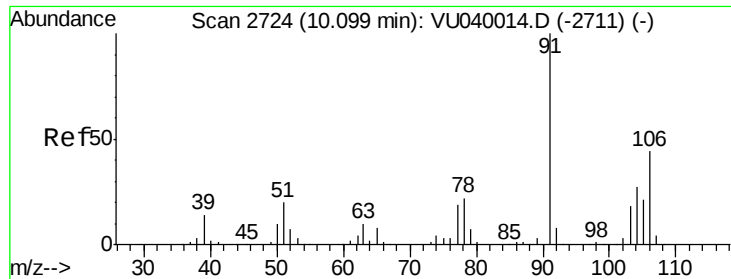
106 100

91 212.9 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040071.D (-2584) (-)

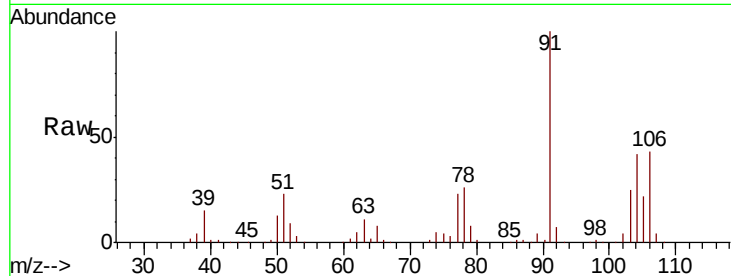




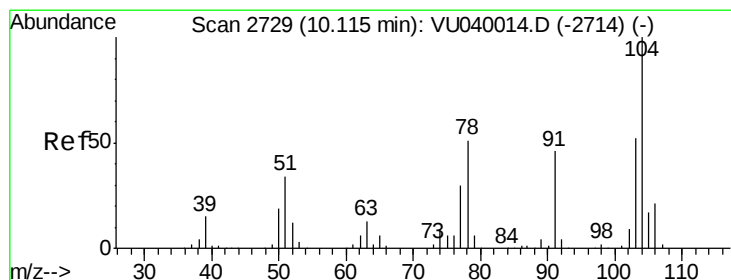
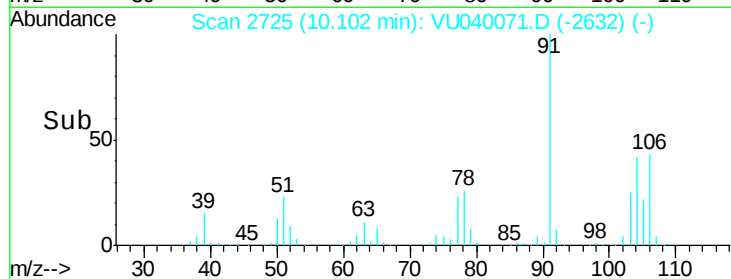
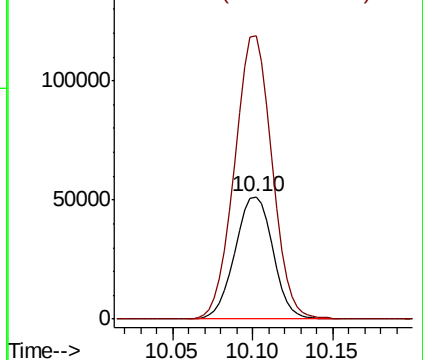
#54
o-Xylene
Concen: 5.149 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040071.D
Acq: 10 Sep 2020 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:106 Resp: 82896
Ion Ratio Lower Upper
106 100
91 231.3 160.8 298.6

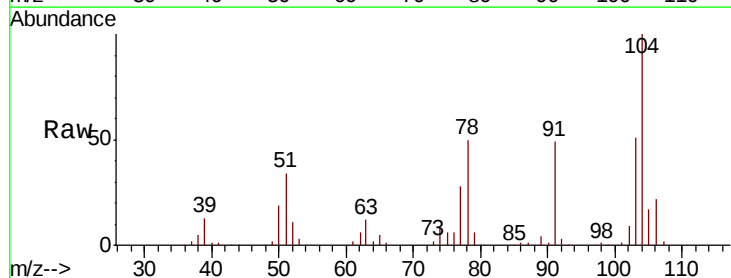


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

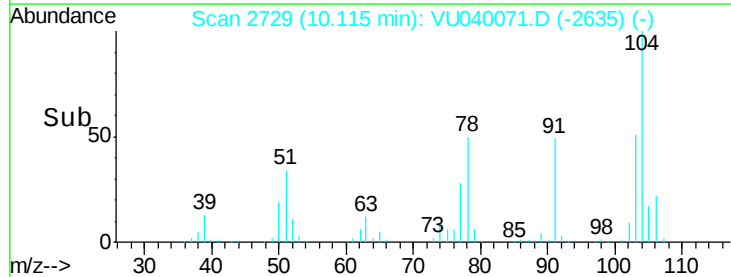
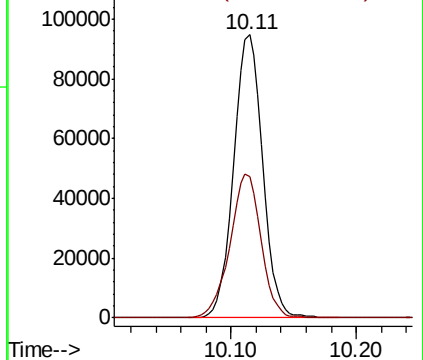


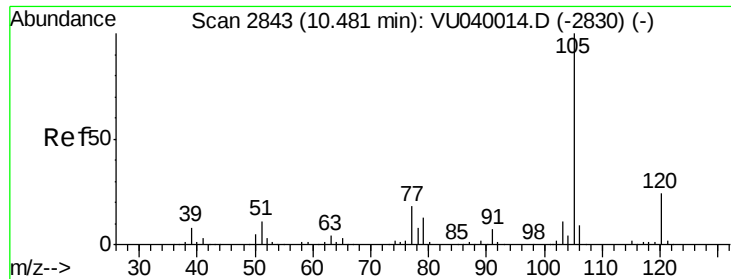
#55
Styrene
Concen: 5.429 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040071.D
Acq: 10 Sep 2020 09:53

Tgt Ion:104 Resp: 151984
Ion Ratio Lower Upper
104 100
78 49.7 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: 5.184 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

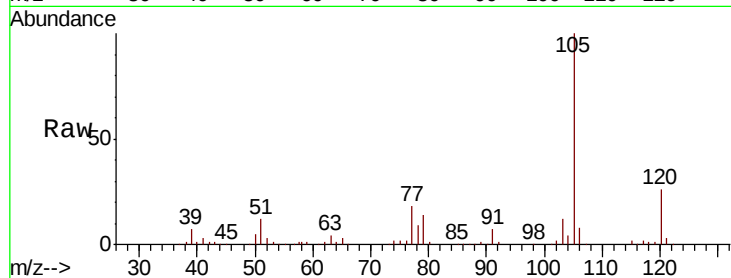
Tot Ion:105 Resp: 227599

Ion Ratio Lower Upper

105 100

120 25.6 20.1 30.1

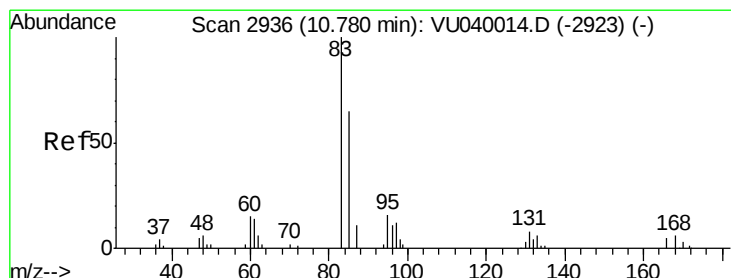
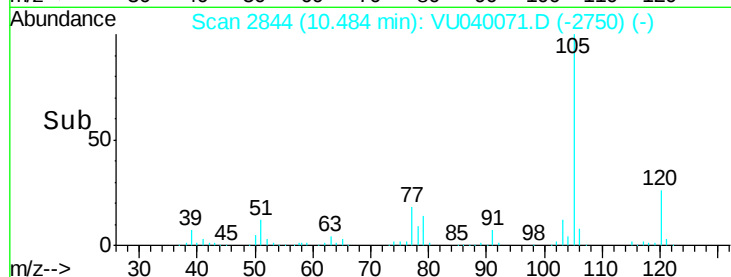
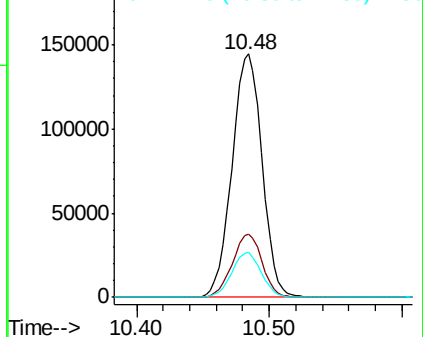
77 18.3 14.4 21.6



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: 5.018 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

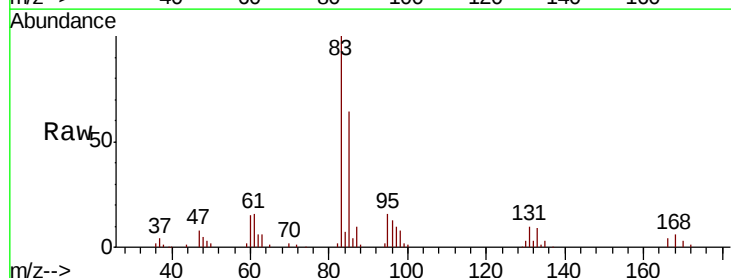
Tgt Ion: 83 Resp: 51466

Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.3

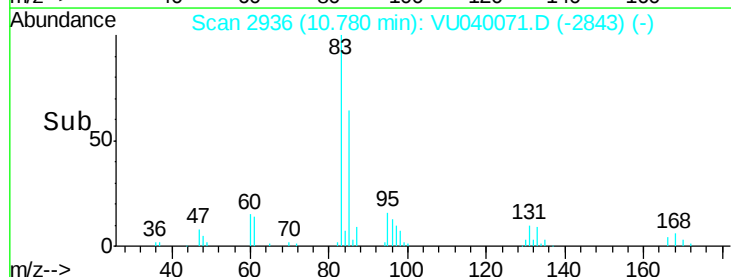
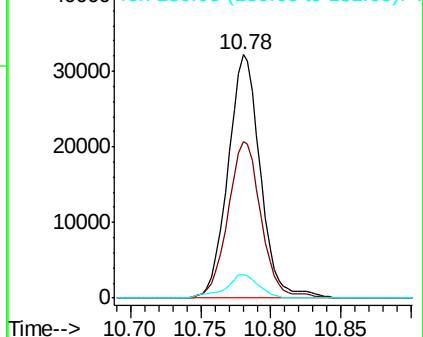
131 9.8 7.4 11.0

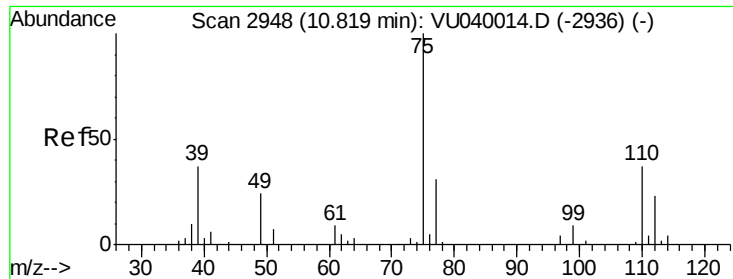


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

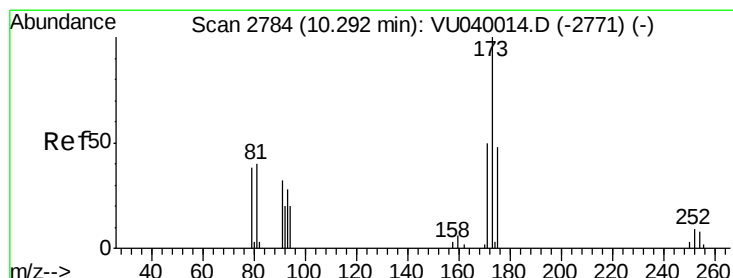
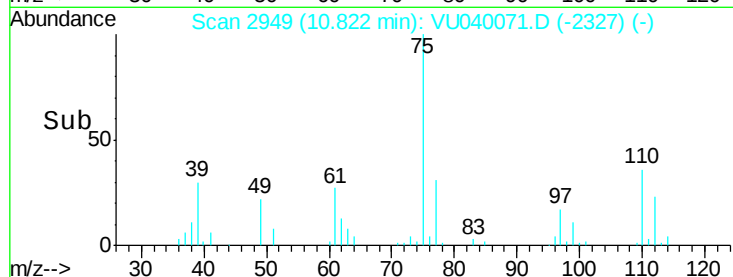
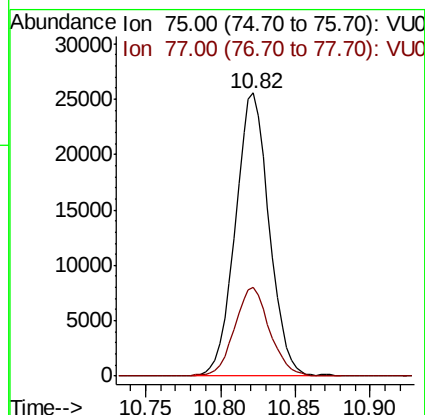
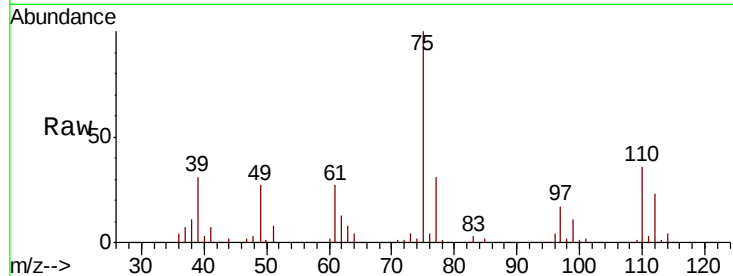




#59
 1,2,3-Trichloropropane
 Concen: 4.930 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040071.D
 Acq: 10 Sep 2020 09:53

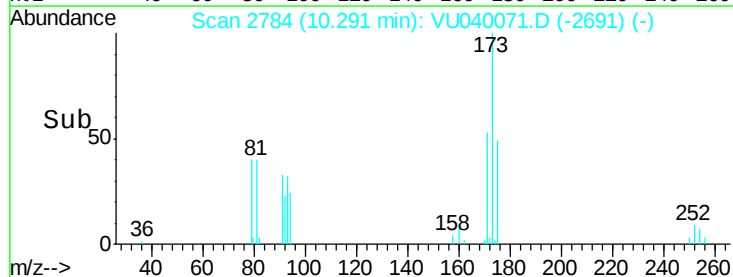
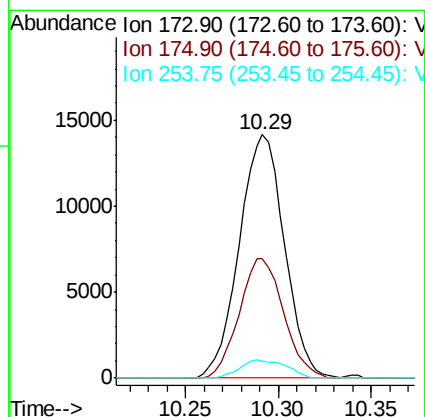
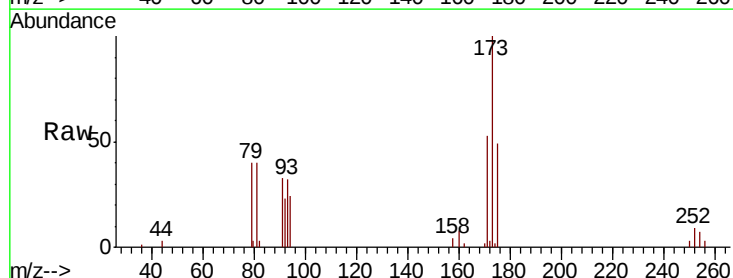
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

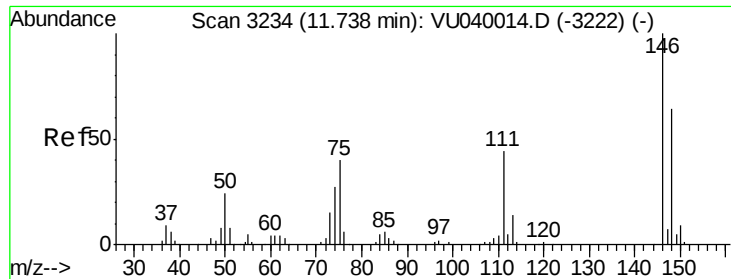
Tot Ion: 75 Resp: 40104
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.9 37.3



#61
 Bromoform
 Concen: 4.495 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040071.D
 Acq: 10 Sep 2020 09:53

Tgt Ion: 173 Resp: 23901
 Ion Ratio Lower Upper
 173 100
 175 48.1 37.8 56.6
 254 7.7 6.8 10.2

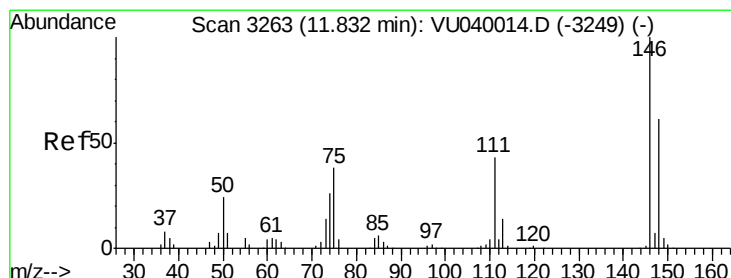
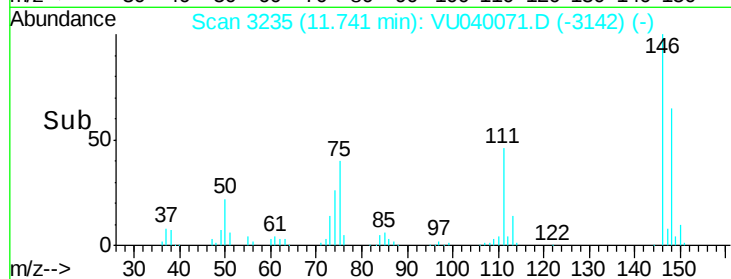
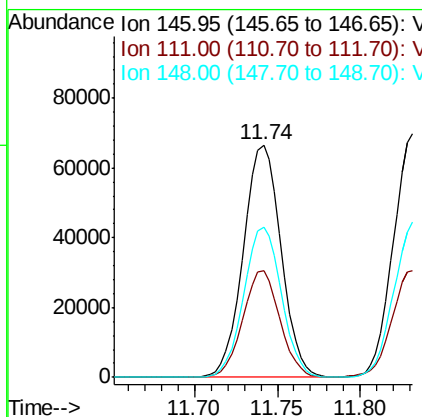
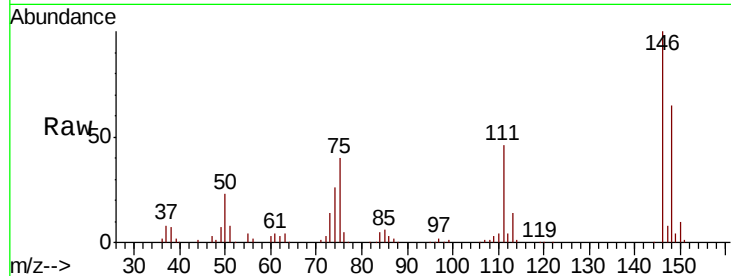




#62
 1,3-Dichlorobenzene
 Concen: 4.973 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040071.D
 Acq: 10 Sep 2020 09:53

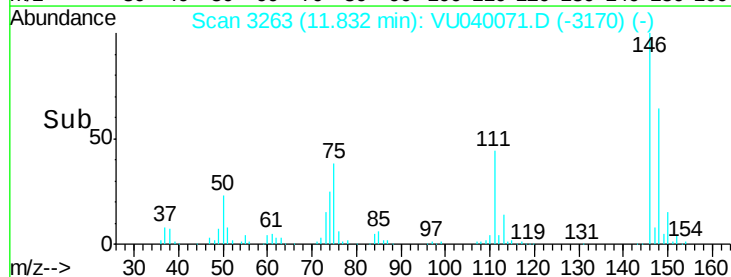
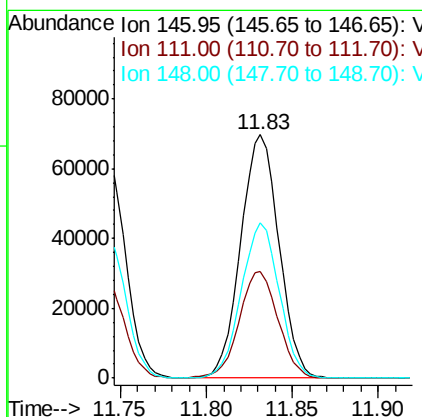
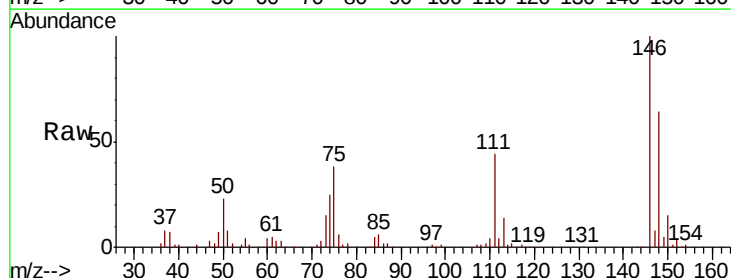
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

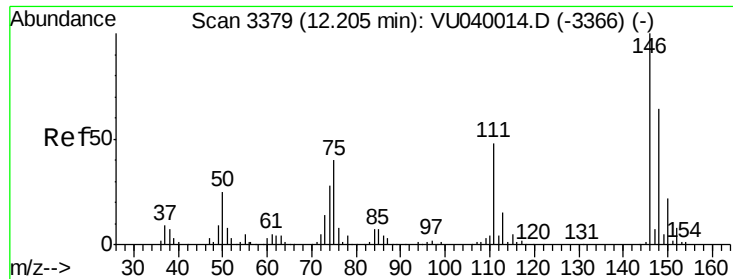
Tot Ion:146 Resp: 105373
 Ion Ratio Lower Upper
 146 100
 111 45.8 31.6 58.8
 148 64.8 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 5.040 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040071.D
 Acq: 10 Sep 2020 09:53

Tgt Ion:146 Resp: 108066
 Ion Ratio Lower Upper
 146 100
 111 43.8 30.5 56.7
 148 63.7 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 4.895 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

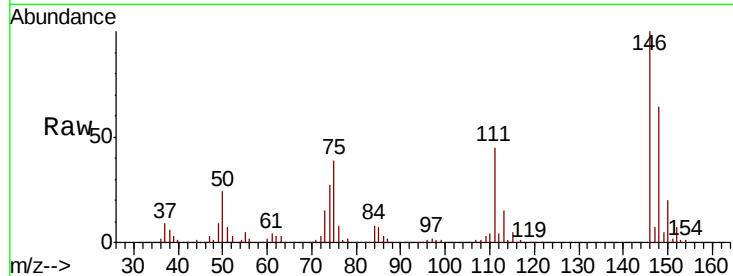
Tot Ion:146 Resp: 100368

Ion Ratio Lower Upper

146 100

111 45.2 36.5 54.7

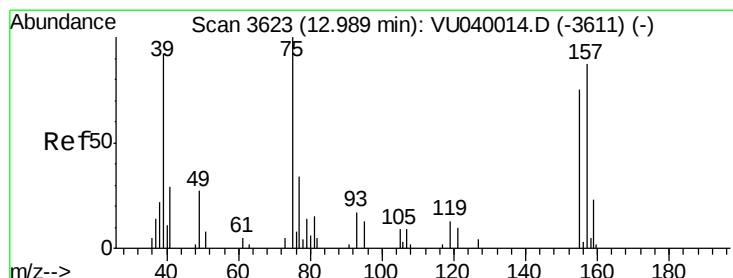
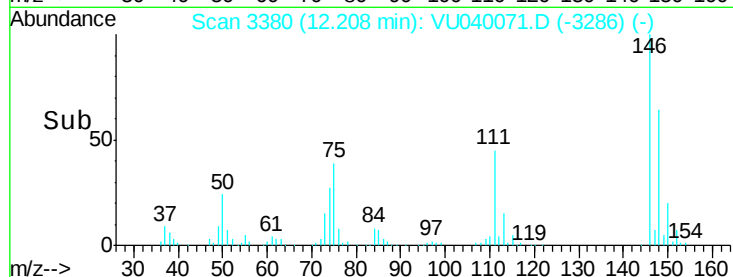
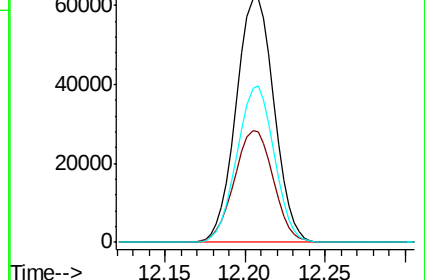
148 64.1 48.6 72.8



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: 4.062 ug/L

RT: 12.99 min Scan# 3624

Delta R.T. 0.01 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

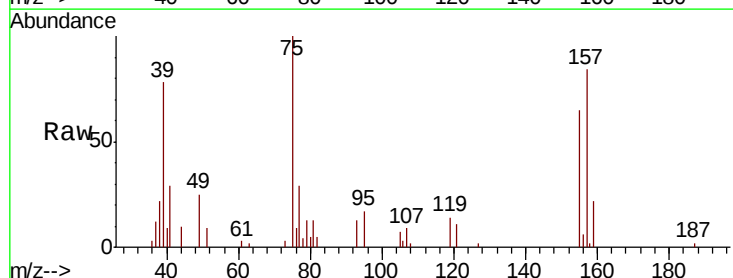
Tgt Ion: 75 Resp: 8908

Ion Ratio Lower Upper

75 100

155 65.1 54.6 82.0

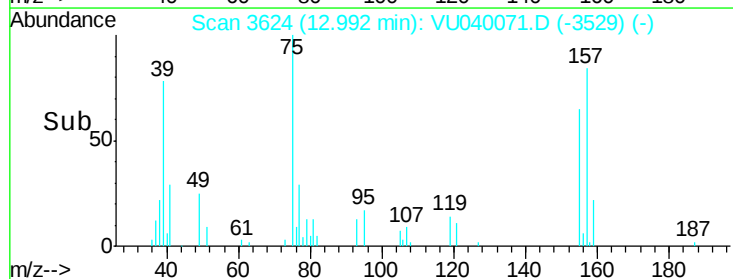
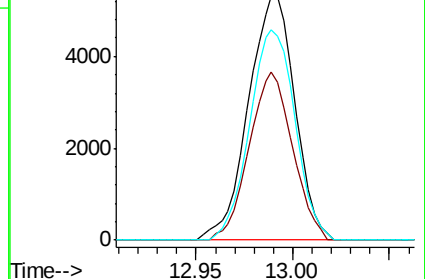
157 84.0 75.6 113.4

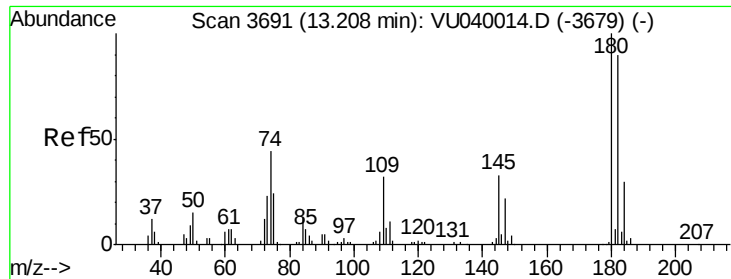


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

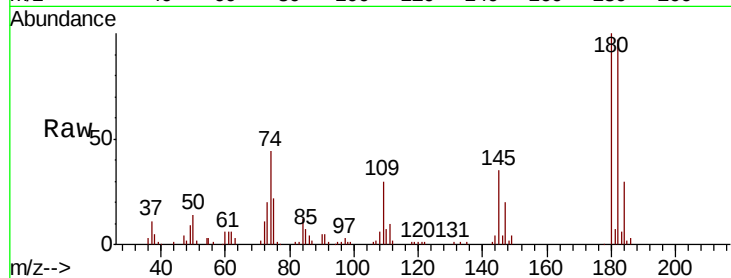




#67
 1,3,5-Trichlorobenzene
 Concen: 4.854 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040071.D
 Acq: 10 Sep 2020 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.9	115.3
184	29.8	24.6	36.8
145	35.2	27.0	40.6

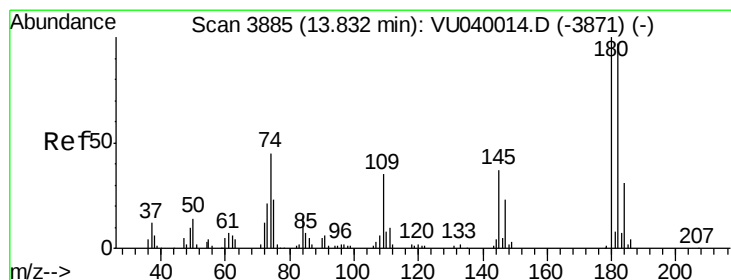
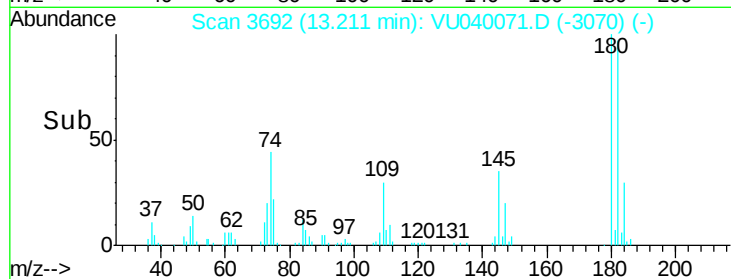
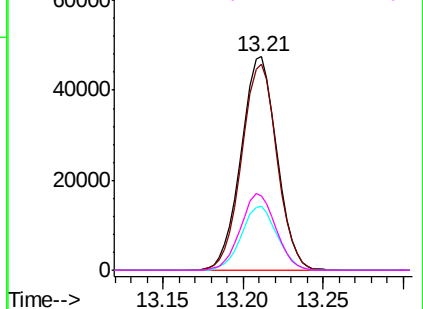


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

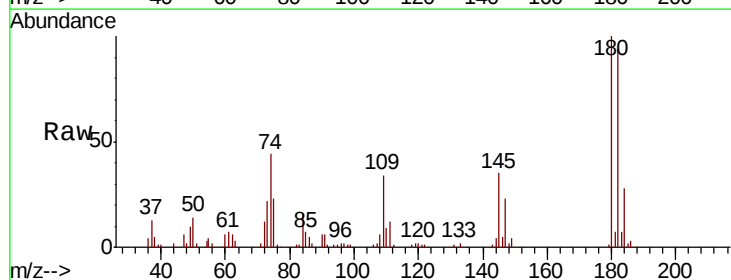
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.616 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040071.D
 Acq: 10 Sep 2020 09:53

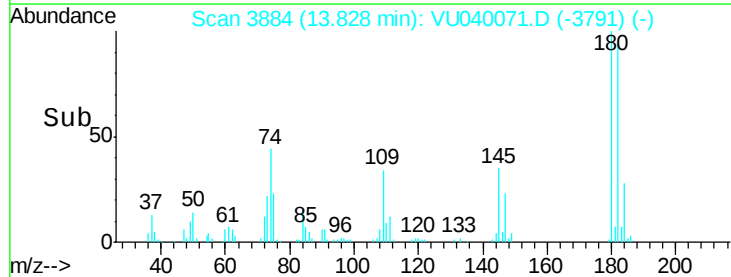
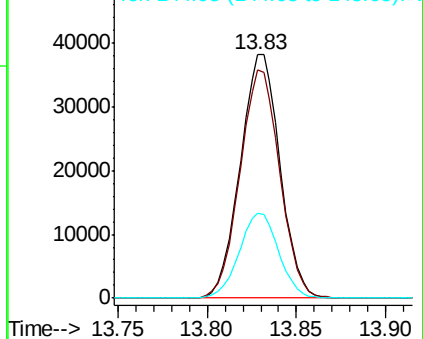
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.0	114.0
145	34.5	28.4	42.6

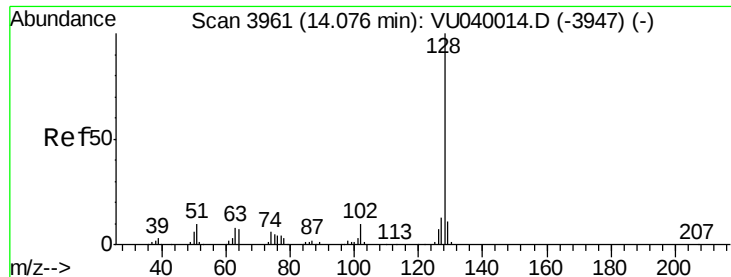


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.857 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

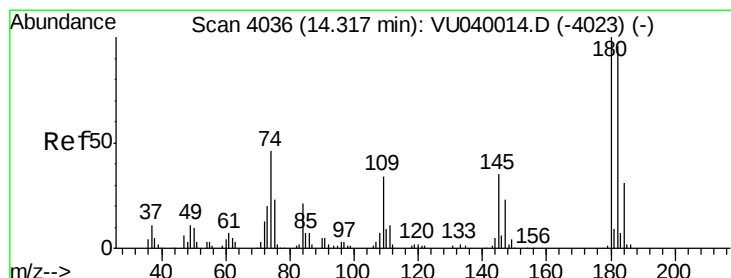
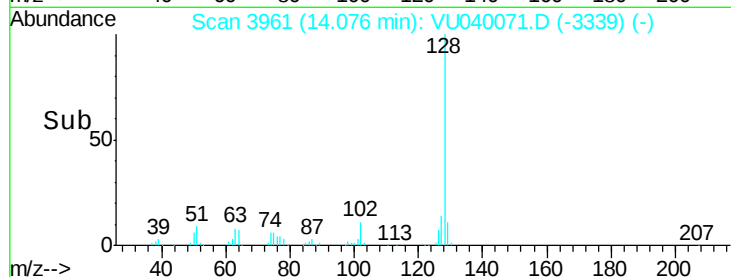
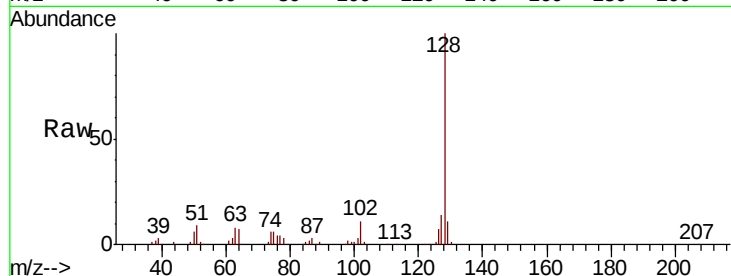
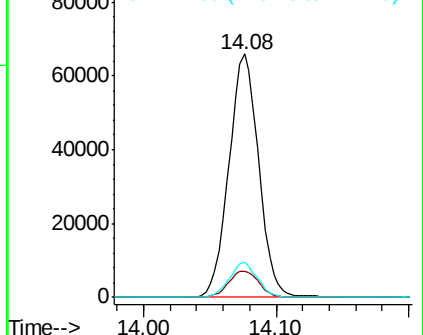
Tot Ion:128 Resp: 103177

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.5	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: 4.559 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040071.D

Acq: 10 Sep 2020 09:53

Tgt Ion:180 Resp: 53741

Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.8	116.6
145	36.7	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

