

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061520\
 Data File : VU038892.D
 Acq On : 15 Jun 2020 14:54
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: Jun 16 01:52:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 16 01:49:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	290862	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	291589	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149709	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	68222	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.93	69	71695	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.59	63	166832	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.00%
20) 2-Butanone-d5	4.69	46	259048	49.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.78%
24) Chloroform-d	5.10	84	168237	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.74	65	95090	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.76	84	319024	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.72	67	96179	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.92	98	295631	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	8.20	79	42469	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.65	63	215131	48.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.60%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	85393	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	115186	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	126059	4.453	ug/L 98
3) Chloromethane	1.53	50	110400	4.675	ug/L 100
5) Vinyl chloride	1.62	62	121144	4.863	ug/L 99
6) Bromomethane	1.87	94	76666	5.011	ug/L 100
8) Chloroethane	1.95	64	94287	5.090	ug/L 99
9) Trichlorofluoromethane	2.16	101	207857	4.803	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	94149	4.386	ug/L 97
12) 1,1-Dichloroethene	2.60	96	97993	4.768	ug/L 97
13) Acetone	2.69	43	199605	46.502	ug/L 98
14) Carbon disulfide	2.82	76	321576	4.713	ug/L 99
15) Methyl Acetate	2.99	43	49774	4.753	ug/L 97
16) Methylene chloride	3.08	84	107477	4.548	ug/L 98
17) Methyl tert-butyl Ether	3.40	73	259239	4.943	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	103551	4.756	ug/L 100
19) 1,1-Dichloroethane	3.91	63	189476	4.746	ug/L 98
21) 2-Butanone	4.76	43	339085	48.594	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	108183	4.751	ug/L 99

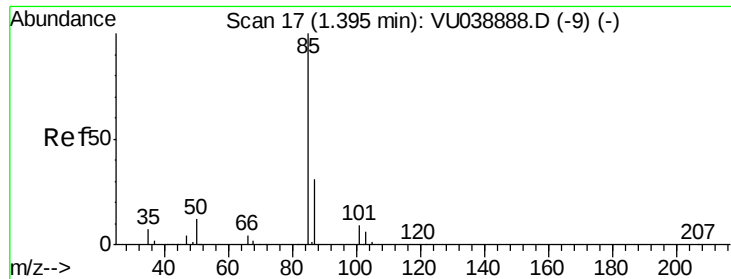
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061520\
 Data File : VU038892.D
 Acq On : 15 Jun 2020 14:54
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: Jun 16 01:52:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 16 01:49:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	51699	4.795	ug/L	98
25) Chloroform	5.13	83	194052	4.664	ug/L	99
27) 1,2-Dichloroethane	5.83	62	135328	4.582	ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	174963	4.844	ug/L	99
30) Cyclohexane	5.42	56	152810	4.697	ug/L	99
31) Carbon tetrachloride	5.56	117	145928	4.747	ug/L	100
33) Benzene	5.81	78	421972	4.872	ug/L	100
34) Trichloroethene	6.57	95	106031	4.688	ug/L	99
35) Methylcyclohexane	6.79	83	153191	4.547	ug/L	98
37) 1,2-Dichloropropane	6.82	63	106641	4.772	ug/L	99
38) Bromodichloromethane	7.13	83	140626	4.785	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	155787	4.874	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	752071	49.335	ug/L	99
42) Toluene	7.99	91	451102	4.942	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	140344	4.801	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	82205	4.812	ug/L	99
47) Tetrachloroethene	8.57	164	80510	4.645	ug/L	93
48) 2-Hexanone	8.71	43	577710	47.804	ug/L	99
49) Dibromochloromethane	8.83	129	95356	4.811	ug/L	92
50) 1,2-Dibromoethane	8.94	107	79807	4.820	ug/L	94
51) Chlorobenzene	9.47	112	285470	4.806	ug/L	99
52) Ethylbenzene	9.59	91	481472	4.740	ug/L	99
53) m,p-Xylene	9.71	106	189678	4.970	ug/L	96
54) o-Xylene	10.12	106	179194	4.880	ug/L	98
55) Styrene	10.13	104	317354	4.976	ug/L	100
56) Isopropylbenzene	10.50	105	488141	5.119	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	100972	4.610	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	80720	4.687	ug/L	99
61) Bromoform	10.31	173	55661	4.878	ug/L #	99
62) 1,3-Dichlorobenzene	11.76	146	230726	4.888	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	236834	4.953	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	220315	4.697	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	19322	4.652	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	172203	4.842	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	156255	5.246	ug/L	99
69) Naphthalene	14.11	128	310157	5.538	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	148909	5.343	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.453 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Instrument :

MSVOA_U

ClientSampleId :

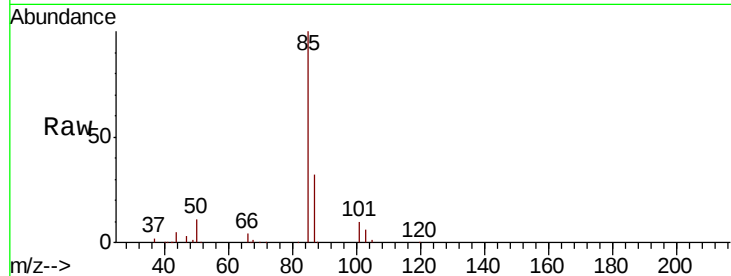
VSTD00524

Tot Ion: 85 Resp: 126059

Ion Ratio Lower Upper

85 100

87 32.2 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU038888.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038888.D (-9) (-)

1.39

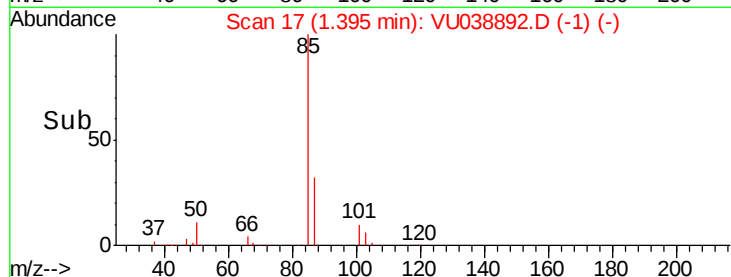
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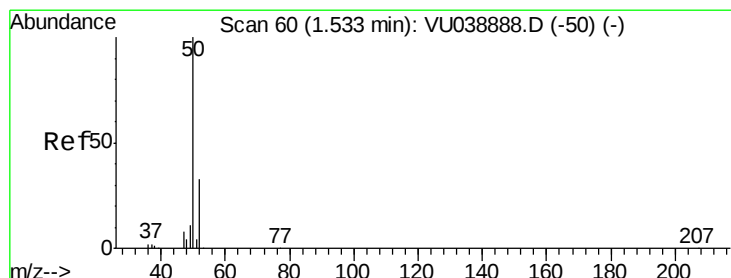
50000

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Time-->



Time-->



#3

Chloromethane

Concen: 4.675 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038892.D

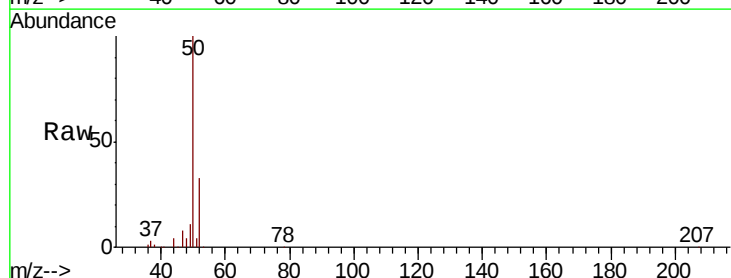
Acq: 15 Jun 2020 14:54

Tgt Ion: 50 Resp: 110400

Ion Ratio Lower Upper

50 100

52 32.6 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU038888.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038888.D (-50) (-)

1.53

100000

80000

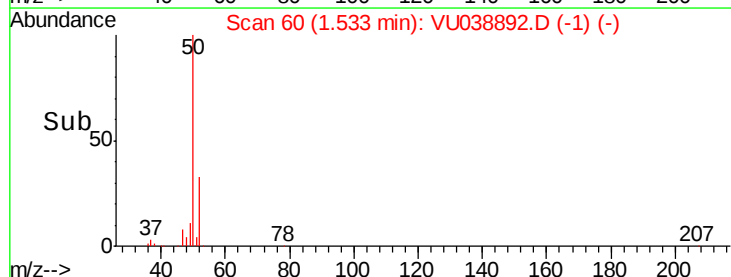
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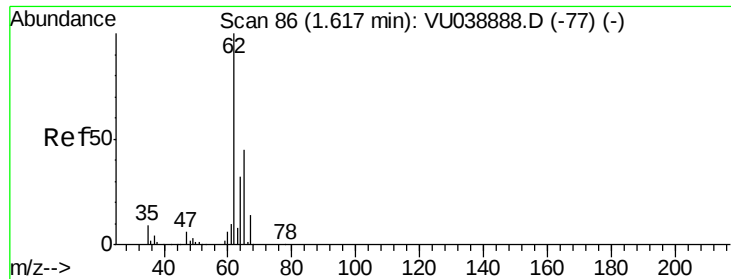
20000

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Time-->



Time-->



#5

Vinyl chloride

Concen: 4.863 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Instrument :

MSVOA_U

ClientSampleId :

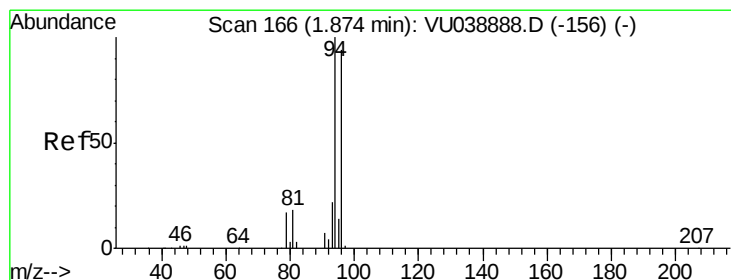
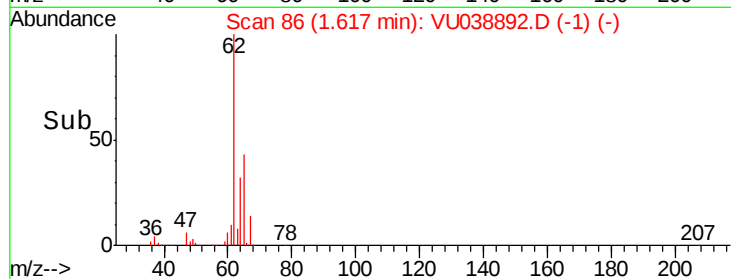
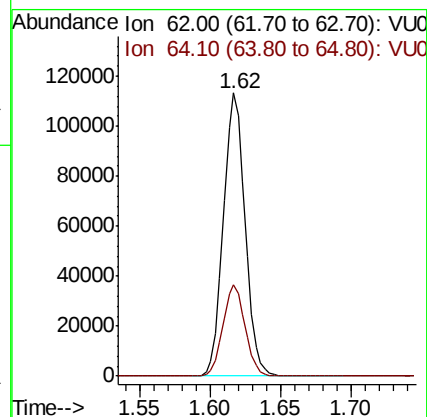
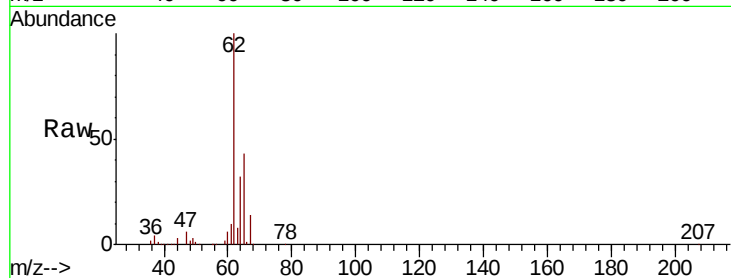
VSTD00524

Tot Ion: 62 Resp: 121144

Ion Ratio Lower Upper

62 100

64 32.3 22.2 41.2



#6

Bromomethane

Concen: 5.011 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038892.D

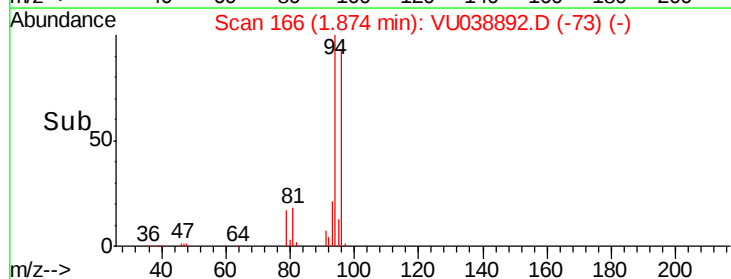
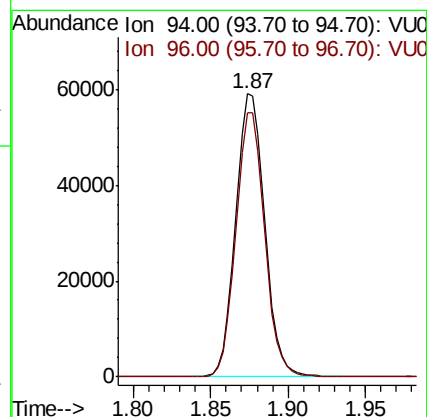
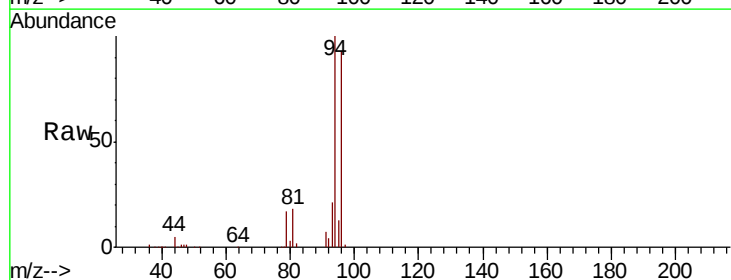
Acq: 15 Jun 2020 14:54

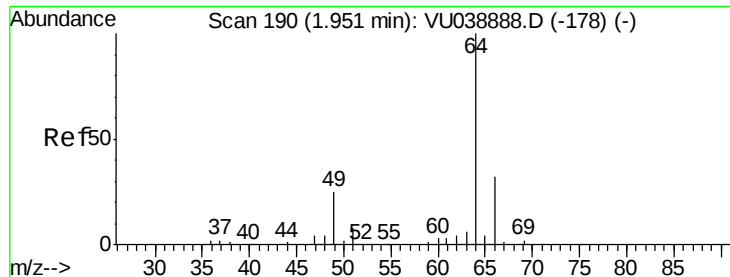
Tgt Ion: 94 Resp: 76666

Ion Ratio Lower Upper

94 100

96 93.2 65.5 121.7





#8

Chloroethane

Concen: 5.090 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Instrument :

MSVOA_U

ClientSampleId :

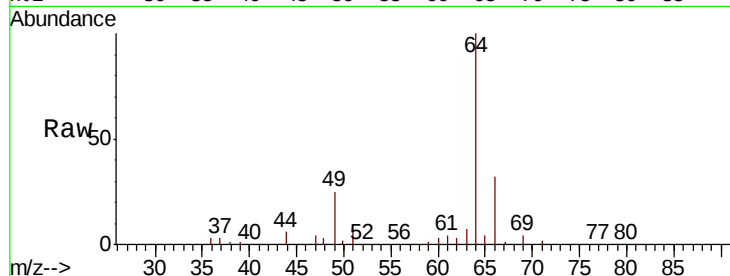
VSTD00524

Tot Ion: 64 Resp: 94287

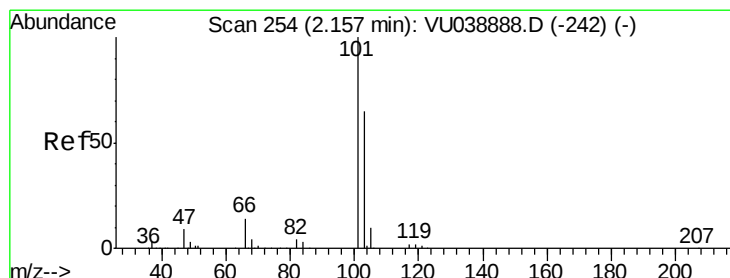
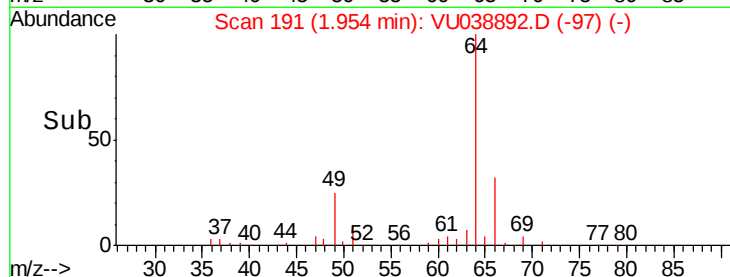
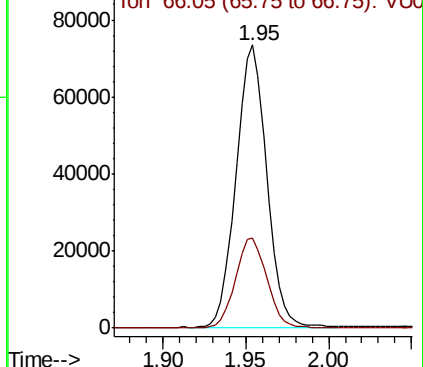
Ion Ratio Lower Upper

64 100

66 31.8 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU038892.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 4.803 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038892.D

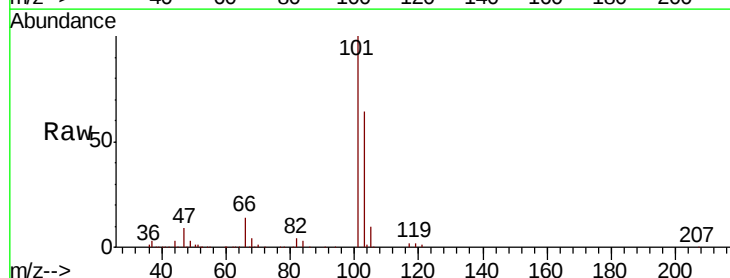
Acq: 15 Jun 2020 14:54

Tgt Ion: 101 Resp: 207857

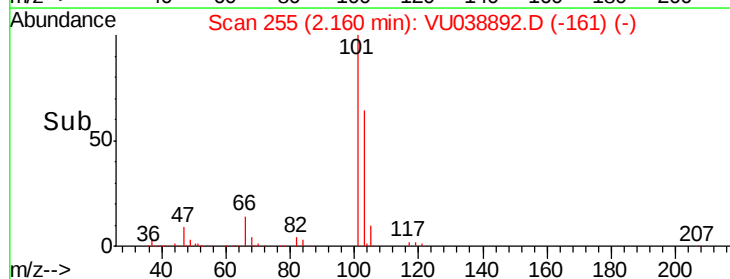
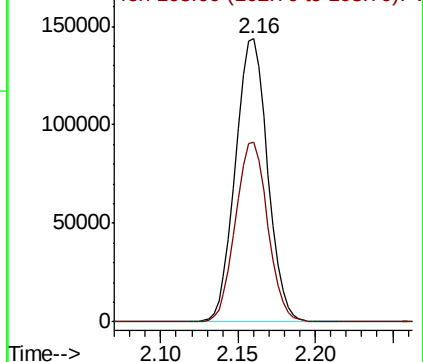
Ion Ratio Lower Upper

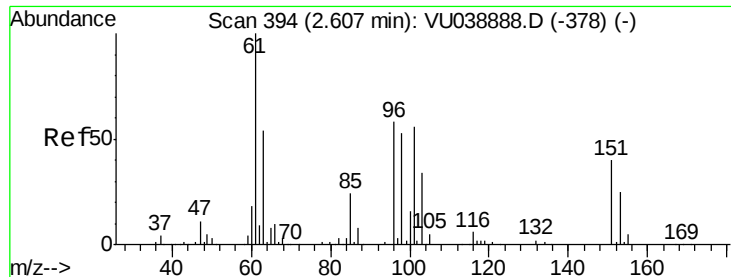
101 100

103 63.6 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU038892.D (-242) (-)





#10

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

Concen: 4.386 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

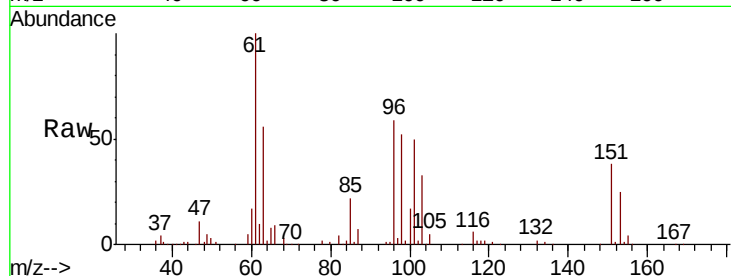
Tot Ion:101 Resp: 94149

Ion Ratio Lower Upper

101 100

85 44.8 35.3 52.9

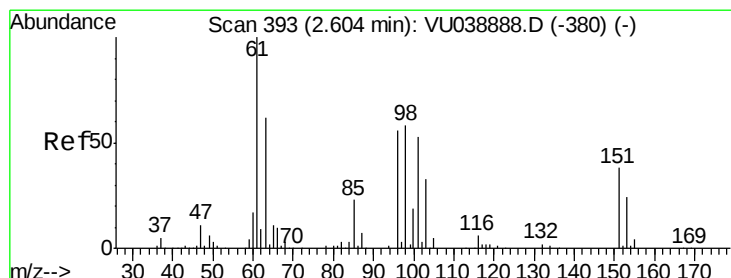
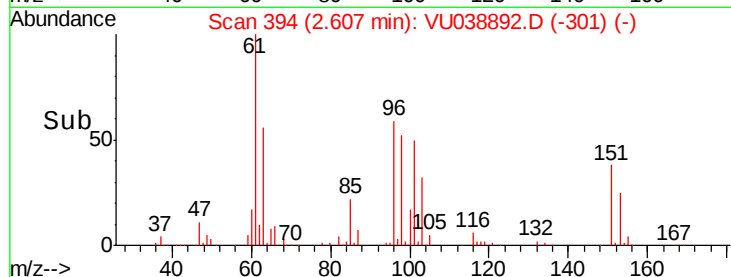
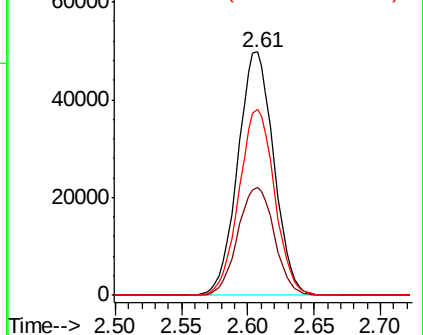
151 75.5 57.4 86.2



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: 4.768 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

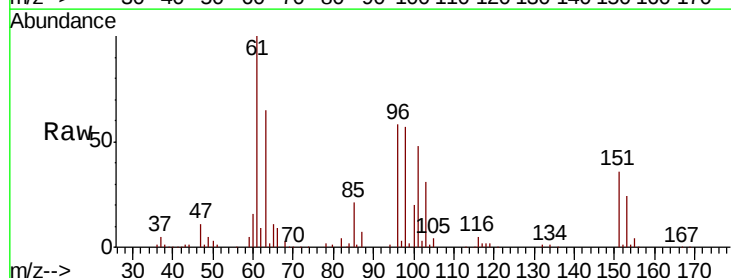
Tgt Ion: 96 Resp: 97993

Ion Ratio Lower Upper

96 100

61 171.8 124.9 232.1

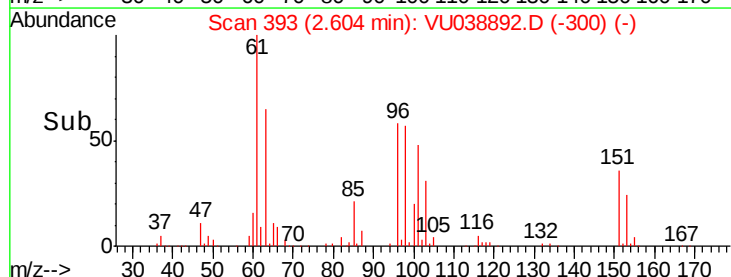
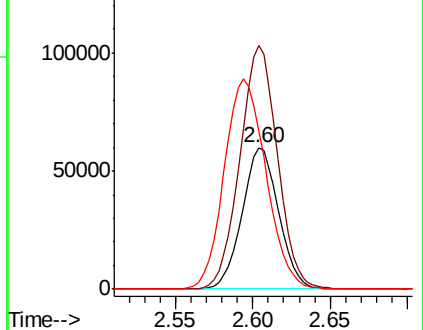
63 111.5 79.1 146.9

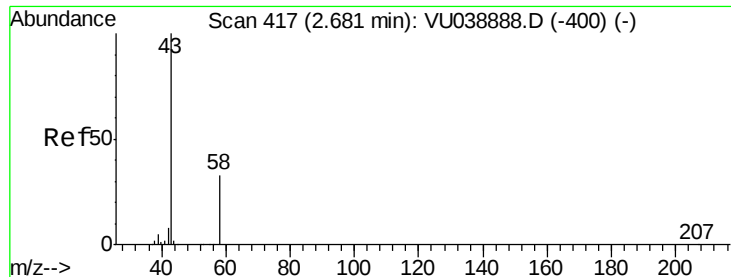


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.502 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.01 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Instrument :

MSVOA_U

ClientSampleId :

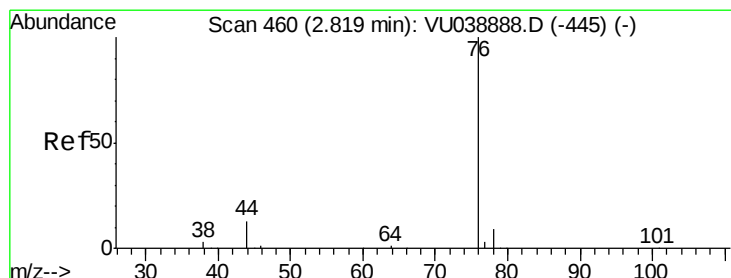
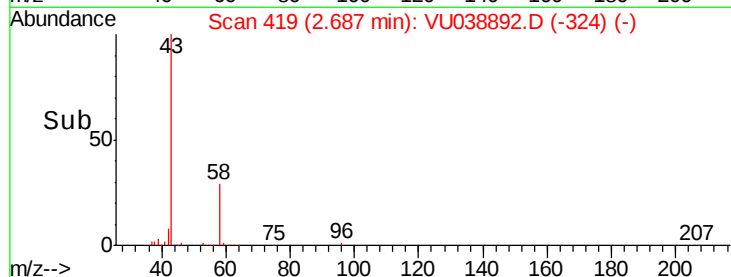
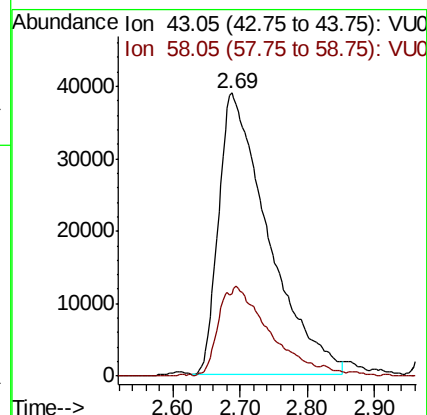
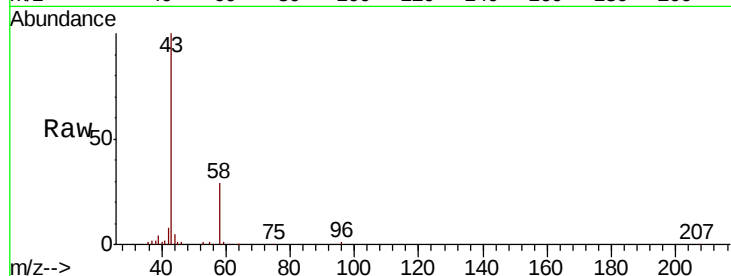
VSTD00524

Tot Ion: 43 Resp: 199605

Ion Ratio Lower Upper

43 100

58 31.5 0.0 65.6



#14

Carbon disulfide

Concen: 4.713 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038892.D

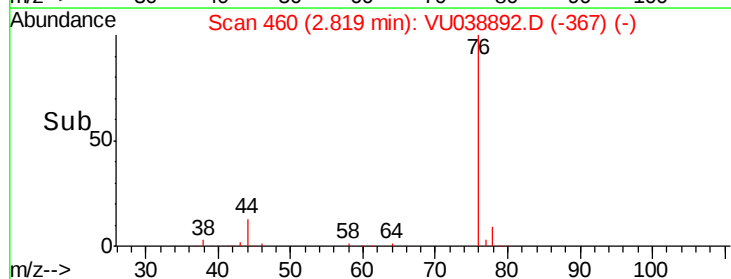
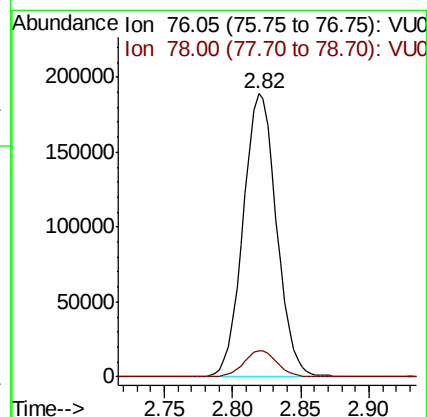
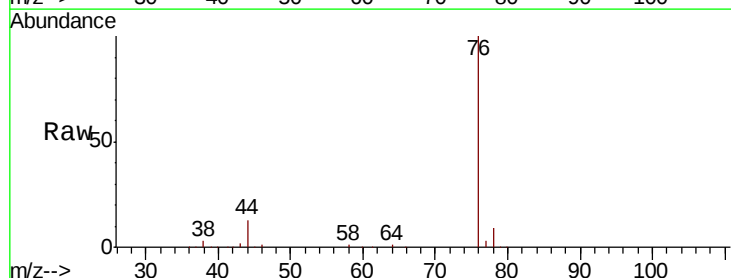
Acq: 15 Jun 2020 14:54

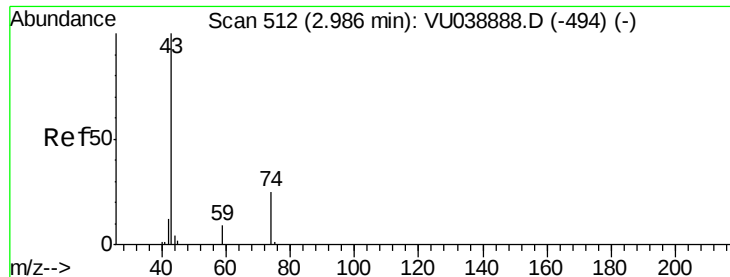
Tgt Ion: 76 Resp: 321576

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

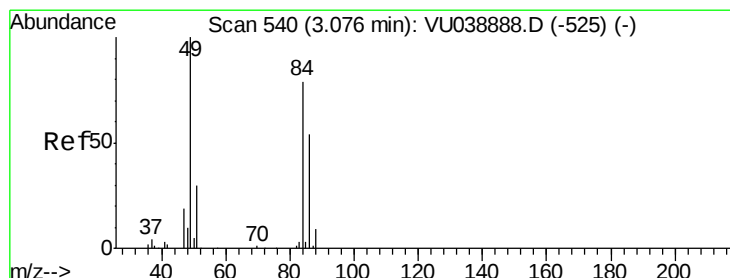
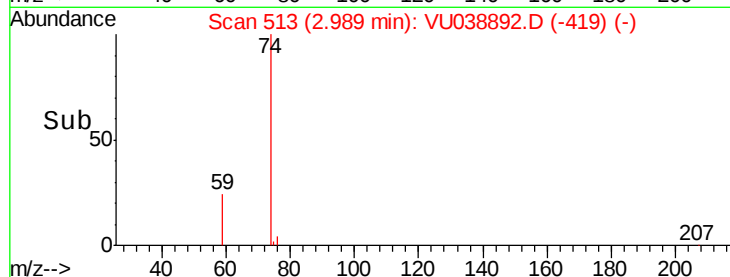
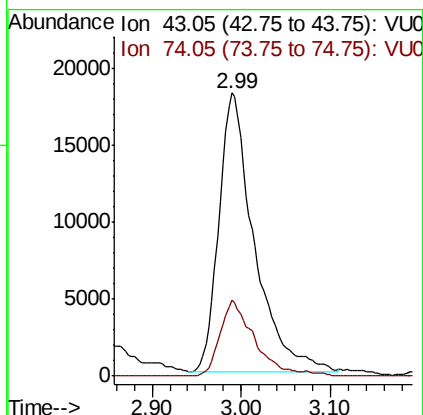
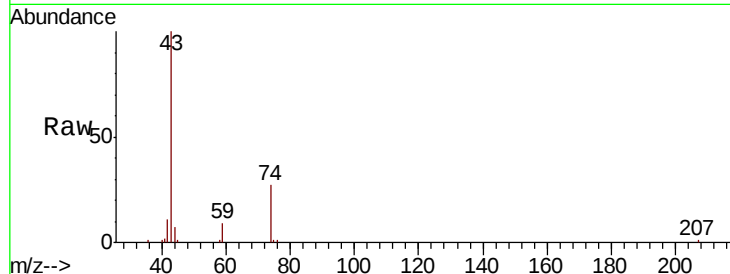




#15
Methvl Acetate
Concen: 4.753 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU038892.D
Acq: 15 Jun 2020 14:54

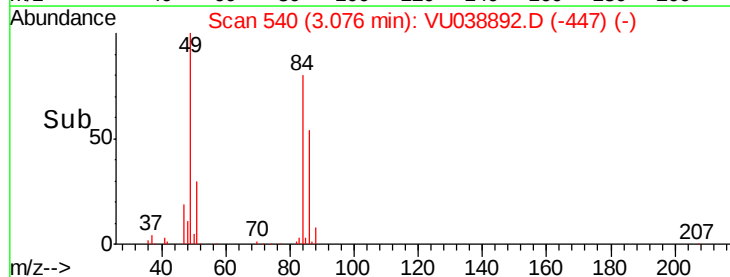
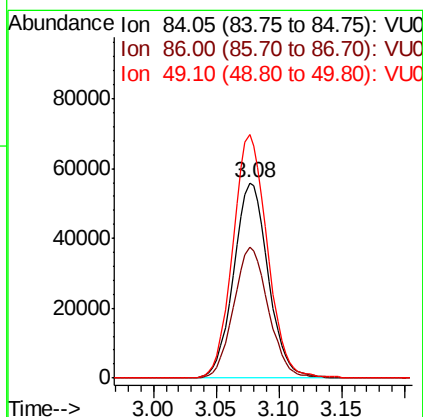
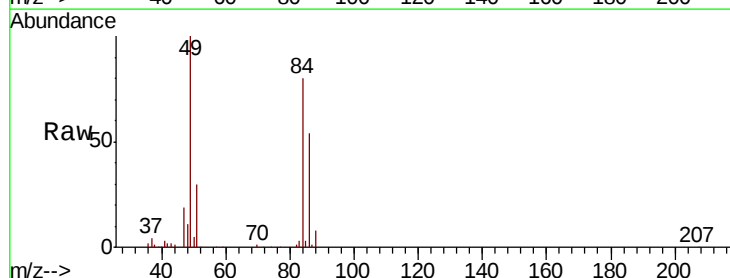
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

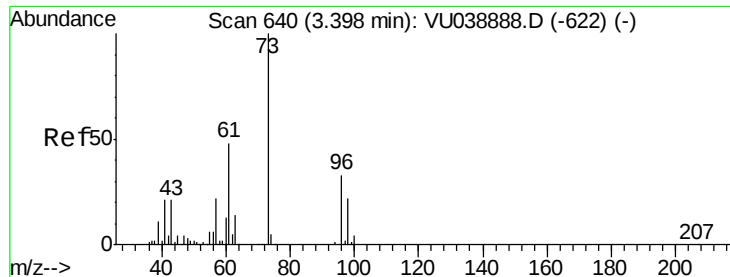
Tot Ion: 43 Resp: 49774
Ion Ratio Lower Upper
43 100
74 26.1 19.7 29.5



#16
Methylene chloride
Concen: 4.548 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038892.D
Acq: 15 Jun 2020 14:54

Tgt Ion: 84 Resp: 107477
Ion Ratio Lower Upper
84 100
86 67.0 47.9 89.1
49 124.7 88.4 164.2

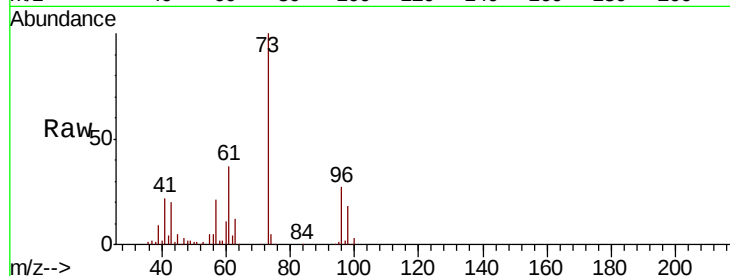




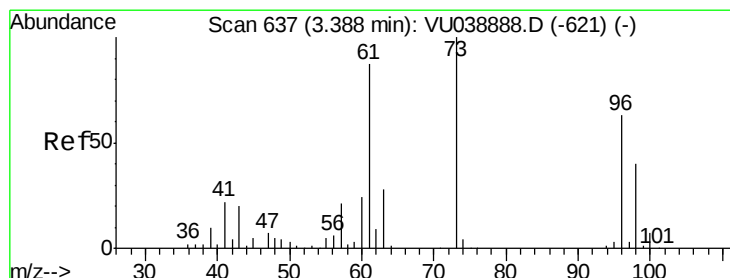
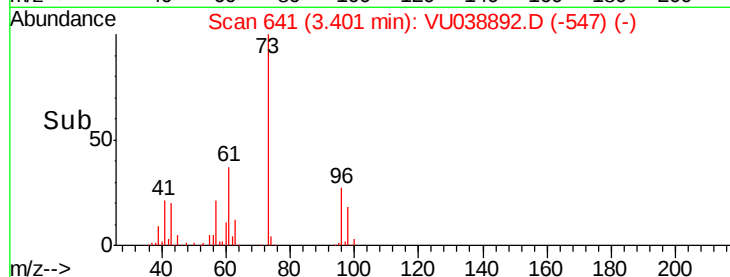
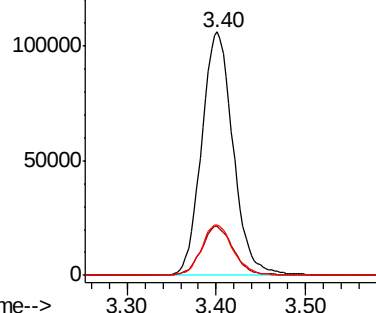
#17
Methvl tert-butvl Ether
Concen: 4.943 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038892.D
Acq: 15 Jun 2020 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion: 73 Resp: 259239
Ion Ratio Lower Upper
73 100
43 20.6 16.6 24.8
57 20.7 17.5 26.3

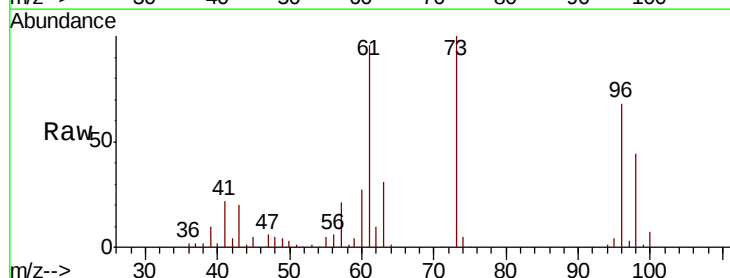


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

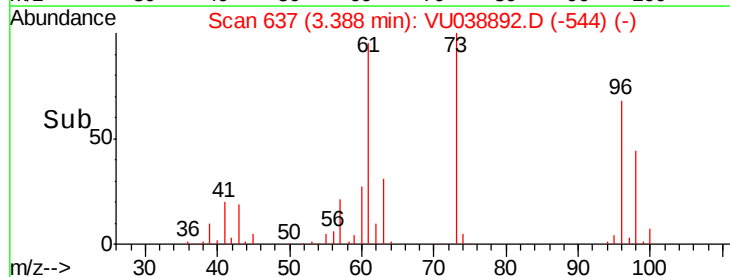
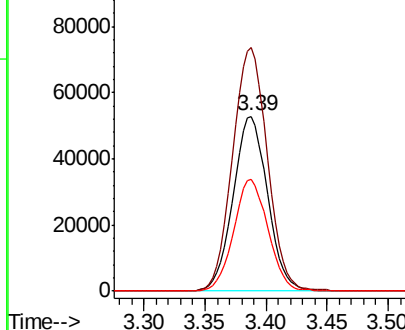


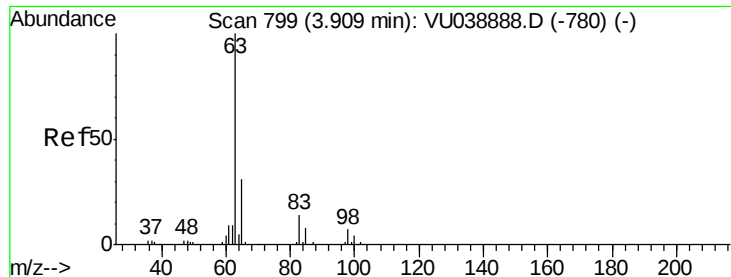
#18
trans-1,2-Dichloroethene
Concen: 4.756 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038892.D
Acq: 15 Jun 2020 14:54

Tgt Ion: 96 Resp: 103551
Ion Ratio Lower Upper
96 100
61 139.5 97.6 181.4
98 63.8 44.5 82.7



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: 4.746 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

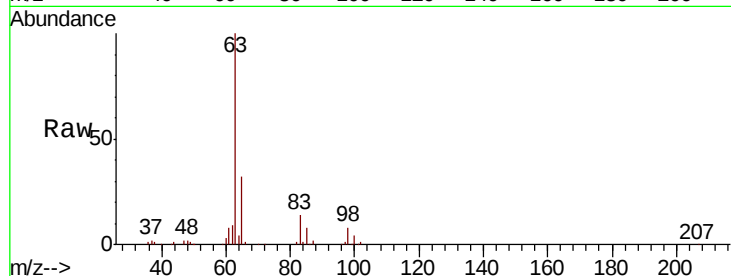
Tot Ion: 63 Resp: 189476

Ion Ratio Lower Upper

63 100

65 31.7 21.3 39.6

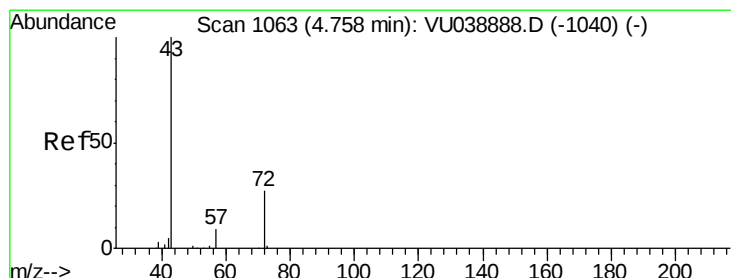
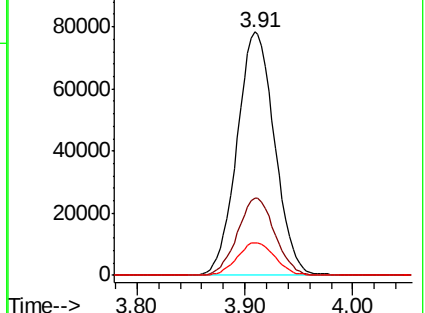
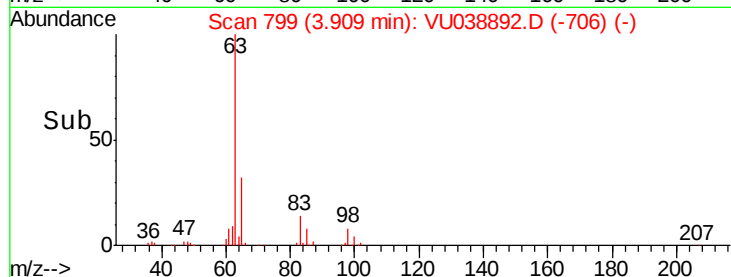
83 13.6 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VU038892.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038892.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038892.D (-706) (-)



#21

2-Butanone

Concen: 48.594 ug/L

RT: 4.76 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VU038892.D

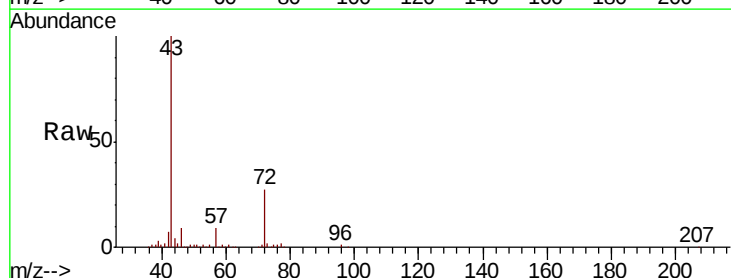
Acq: 15 Jun 2020 14:54

Tgt Ion: 43 Resp: 339085

Ion Ratio Lower Upper

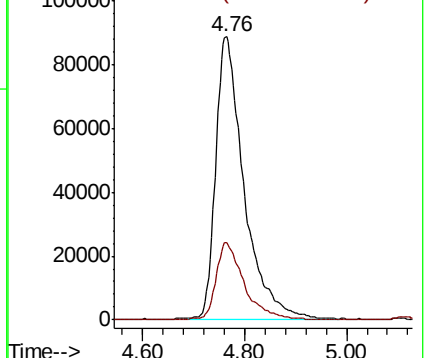
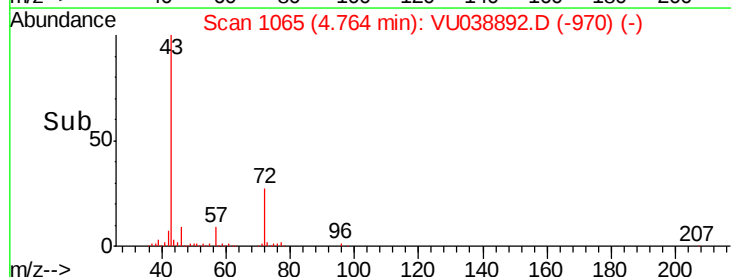
43 100

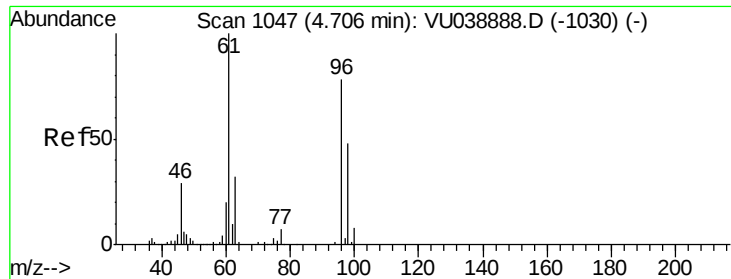
72 27.4 14.0 41.9



Abundance Ion 43.05 (42.75 to 43.75): VU038892.D (-970) (-)

Ion 72.10 (71.80 to 72.80): VU038892.D (-970) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.751 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

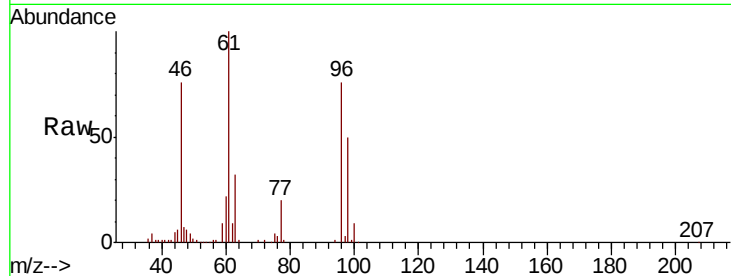
Tot Ion: 96 Resp: 108183

Ion Ratio Lower Upper

96 100

61 130.7 90.5 168.1

68 0.0 0.0 0.0

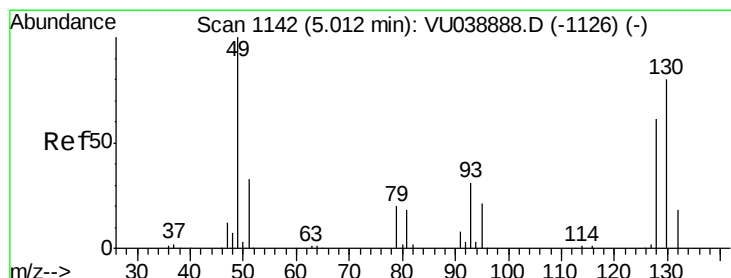
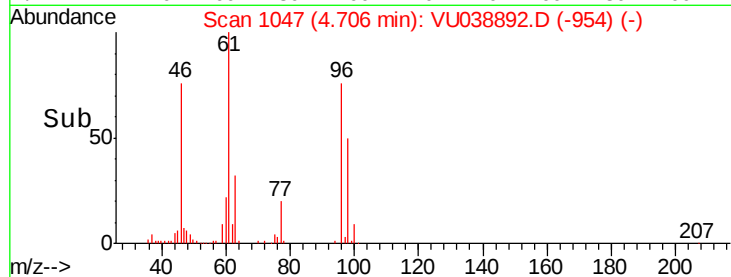
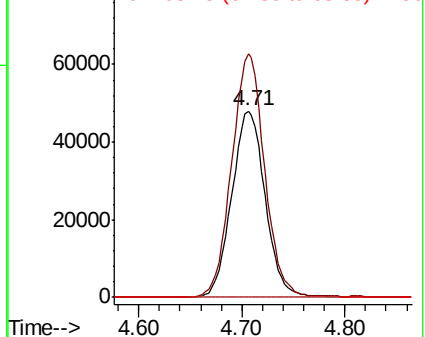


Abundance

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: 4.795 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Tgt Ion:128 Resp: 51699

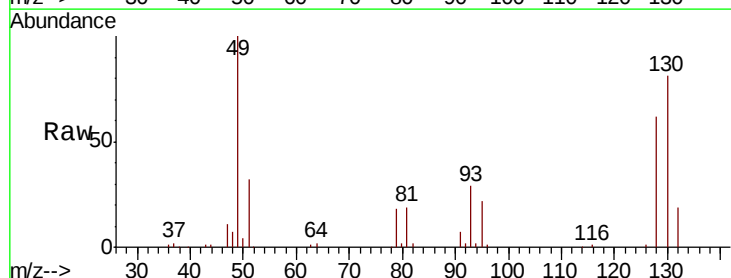
Ion Ratio Lower Upper

128 100

49 160.0 114.8 213.2

130 130.2 91.7 170.3

51 52.0 42.7 64.1



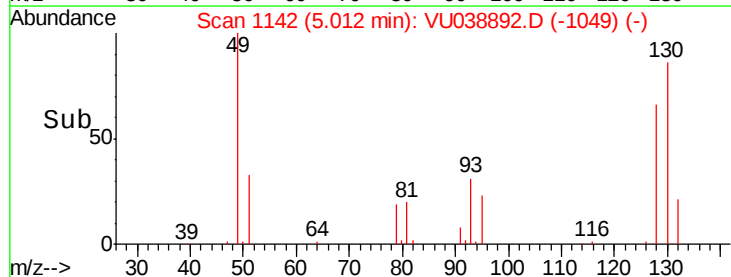
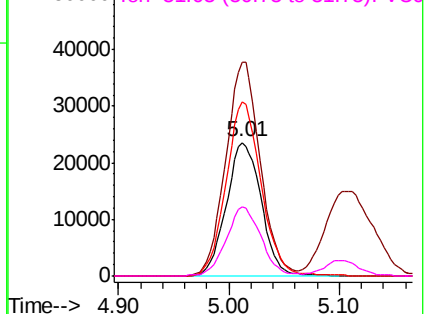
Abundance

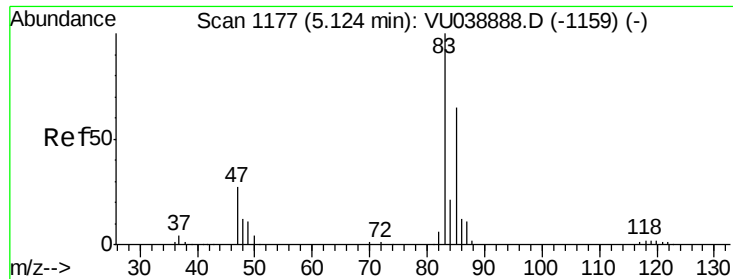
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

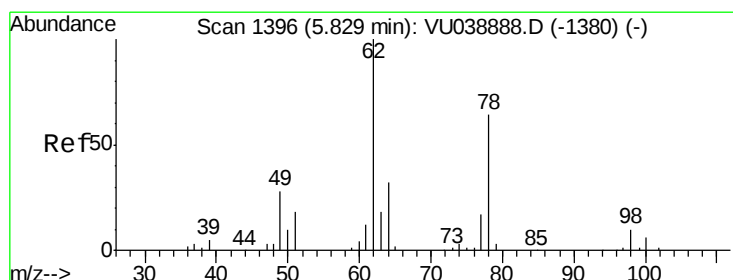
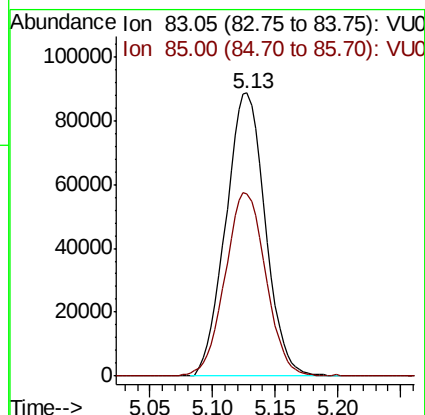
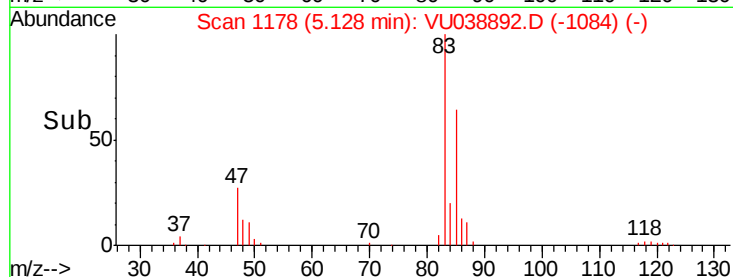
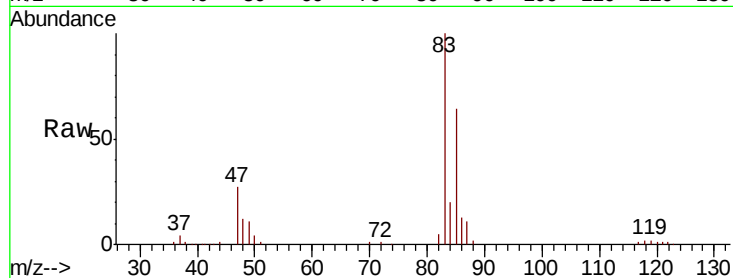




#25
Chloroform
Concen: 4.664 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038892.D
Acq: 15 Jun 2020 14:54

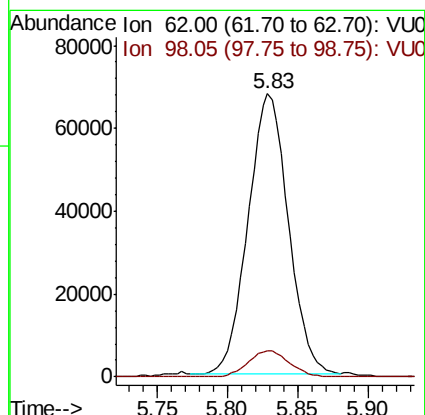
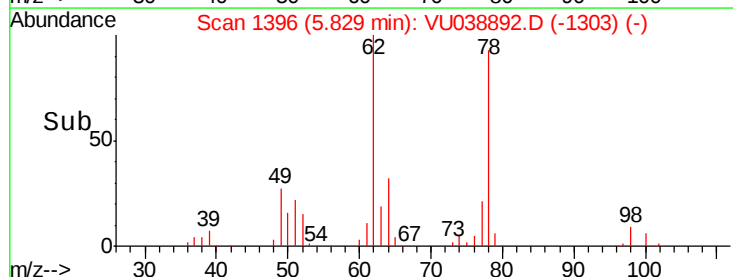
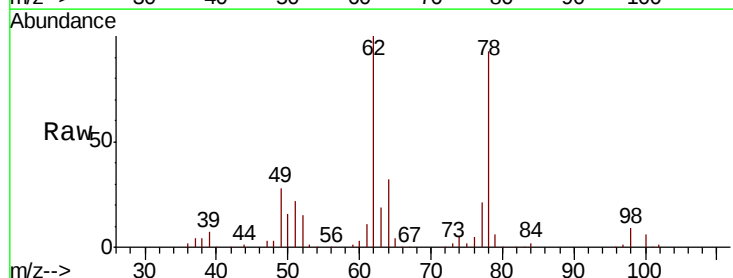
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

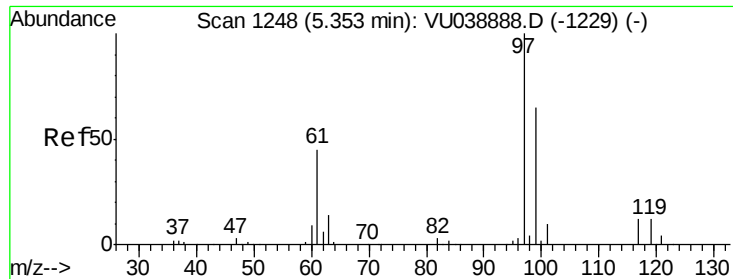
Tot Ion: 83 Resp: 194052
Ion Ratio Lower Upper
83 100
85 64.4 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.582 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038892.D
Acq: 15 Jun 2020 14:54

Tgt Ion: 62 Resp: 135328
Ion Ratio Lower Upper
62 100
98 9.1 8.2 12.4

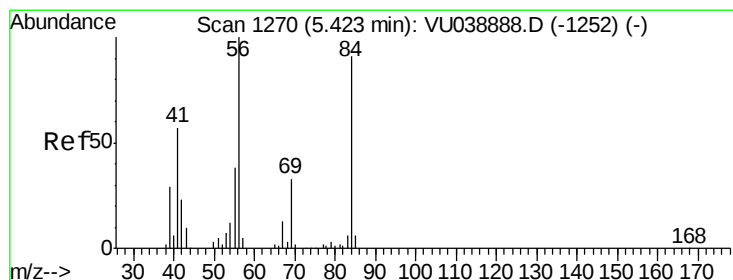
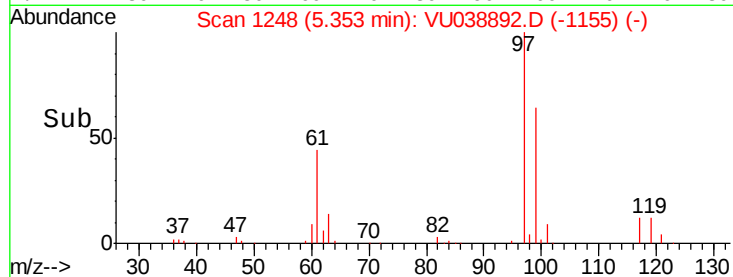
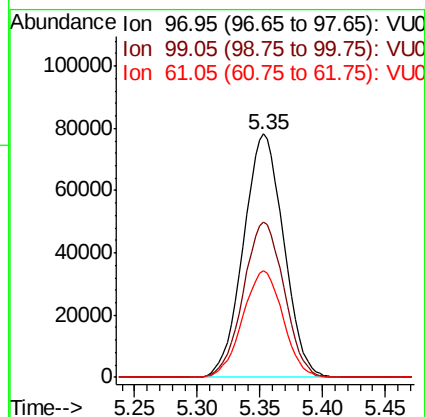
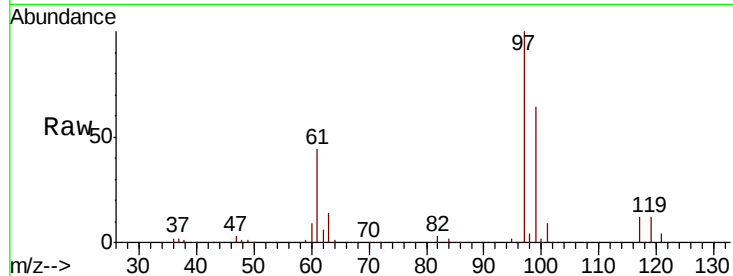




#29
 1,1,1-Trichloroethane
 Concen: 4.844 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038892.D
 Acq: 15 Jun 2020 14:54

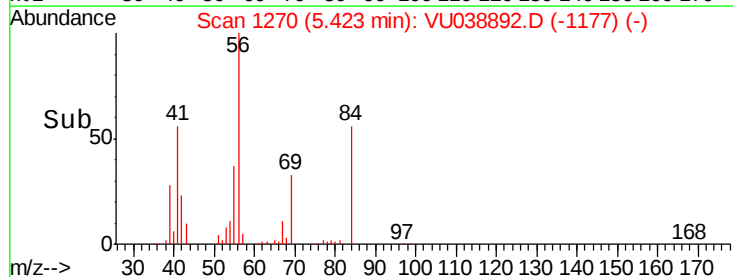
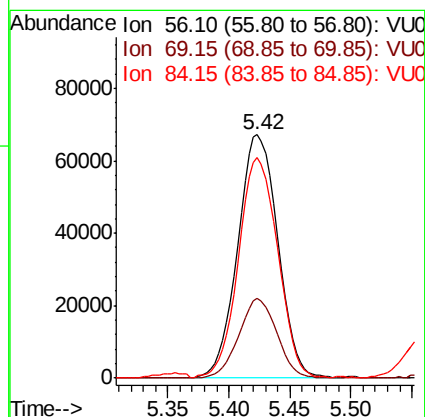
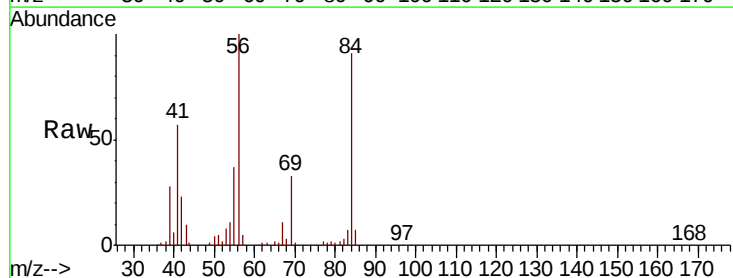
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

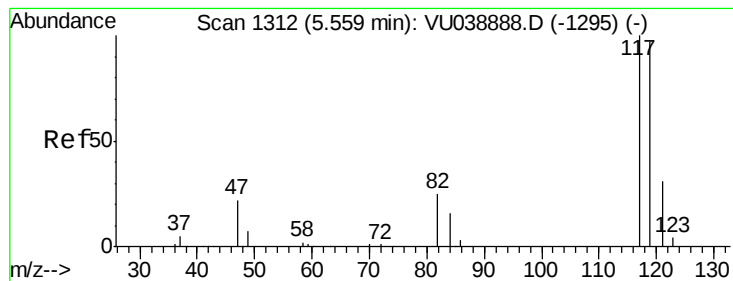
Tot Ion: 97 Resp: 174963
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.4 77.2
 61 43.9 36.3 54.5



#30
 Cyclohexane
 Concen: 4.697 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038892.D
 Acq: 15 Jun 2020 14:54

Tgt Ion: 56 Resp: 152810
 Ion Ratio Lower Upper
 56 100
 69 31.1 25.4 38.2
 84 88.9 72.1 108.1





#31

Carbon tetrachloride

Concen: 4.747 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Instrument :

MSVOA_U

ClientSampleId :

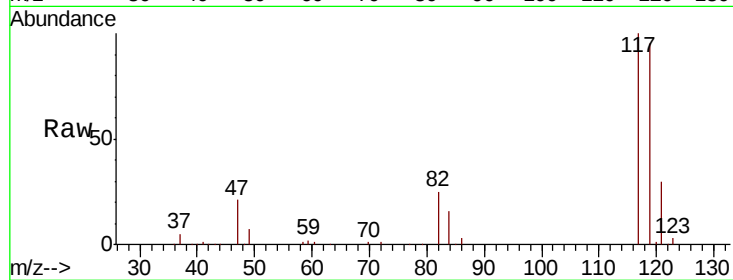
VSTD00524

Tot Ion:117 Resp: 145928

Ion Ratio Lower Upper

117 100

119 95.4 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

80000

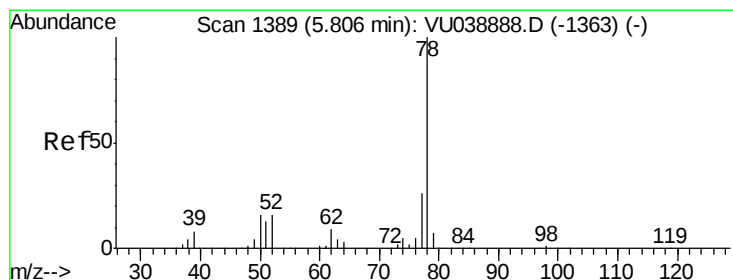
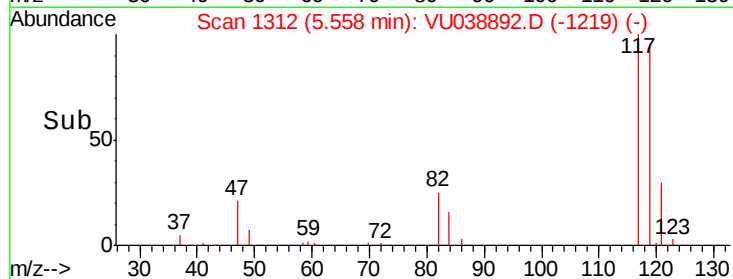
60000

40000

20000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.872 ug/L

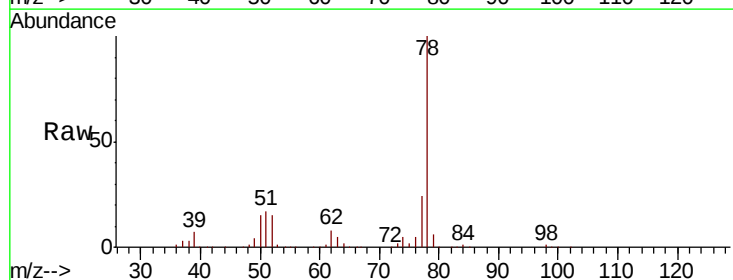
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Tgt Ion: 78 Resp: 421972



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

200000

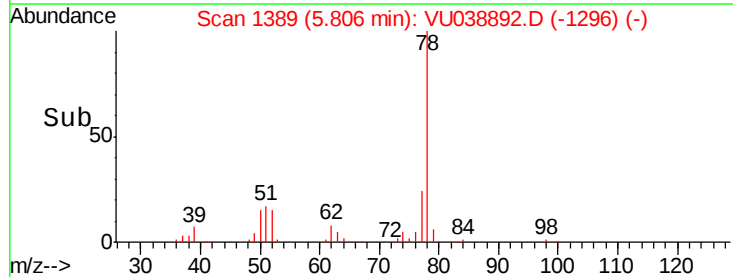
150000

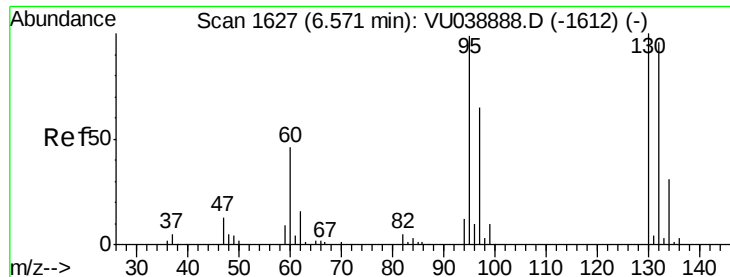
100000

50000

0

Time--> 5.70 5.80 5.90





#34

Trichloroethene

Concen: 4.688 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

Tot Ion: 95 Resp: 106031

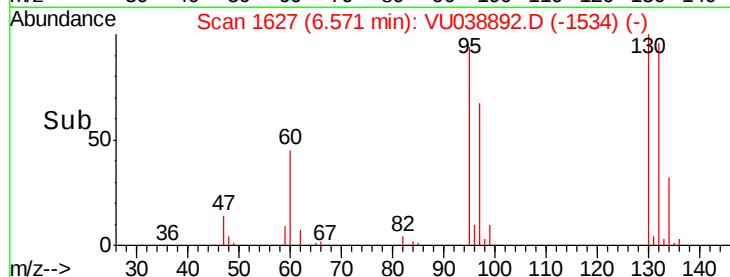
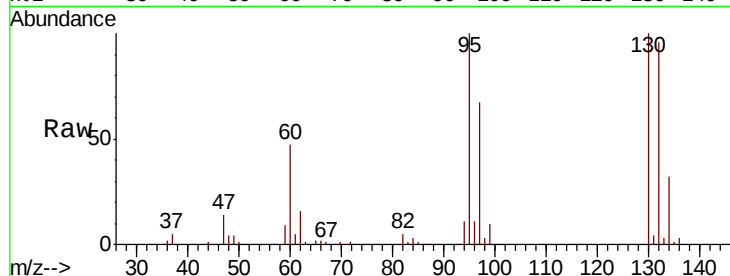
Ion Ratio Lower Upper

95 100

97 66.8 46.1 85.5

132 96.2 68.2 126.6

130 100.0 71.0 131.9

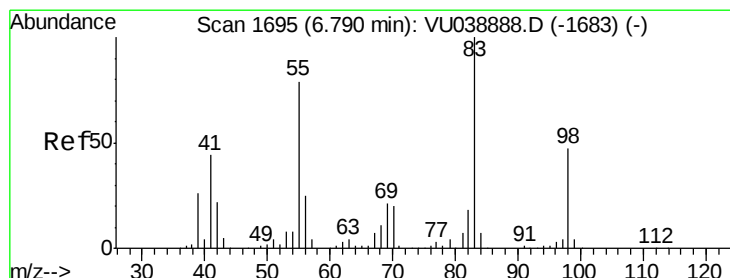
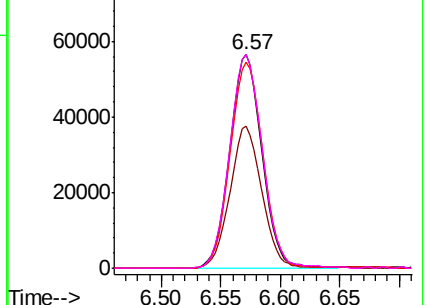


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.547 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

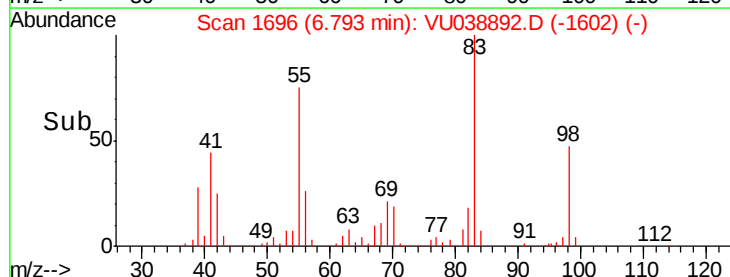
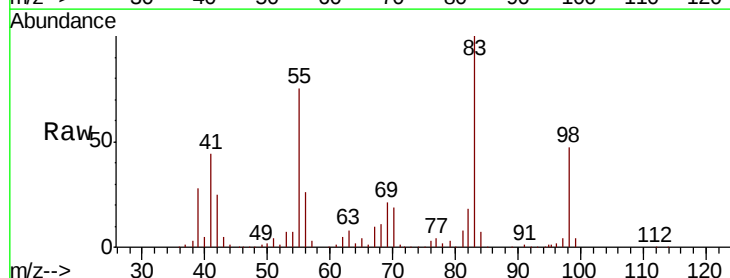
Tgt Ion: 83 Resp: 153191

Ion Ratio Lower Upper

83 100

55 77.7 63.6 95.4

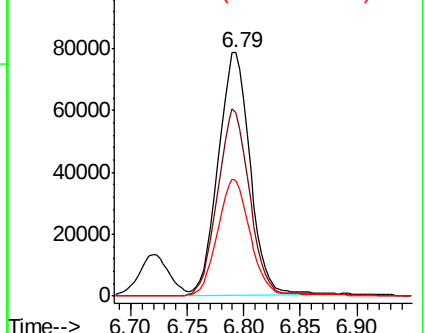
98 50.3 38.9 58.3

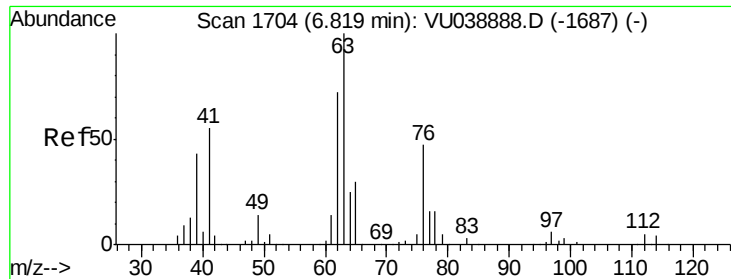


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

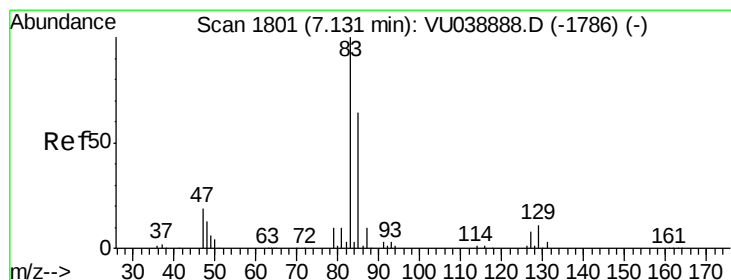
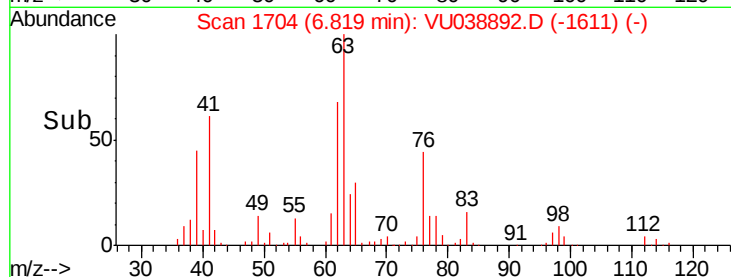
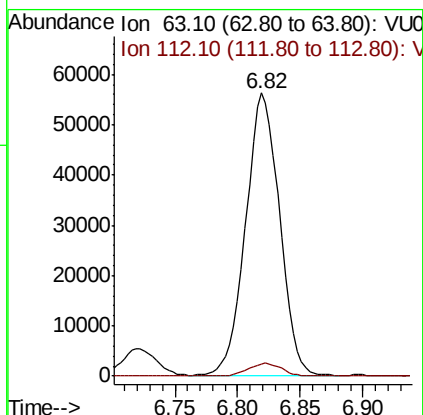
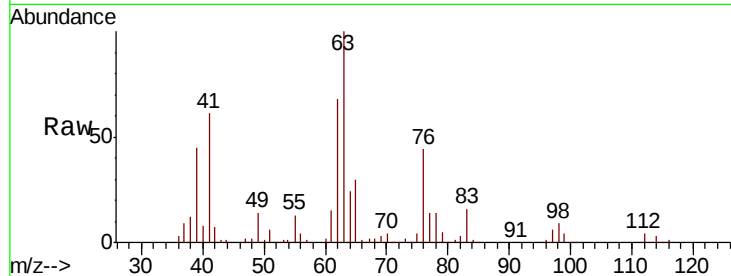




#37
 1,2-Dichloropropane
 Concen: 4.772 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038892.D
 Acq: 15 Jun 2020 14:54

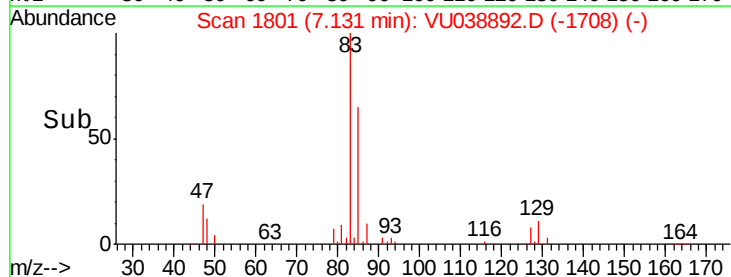
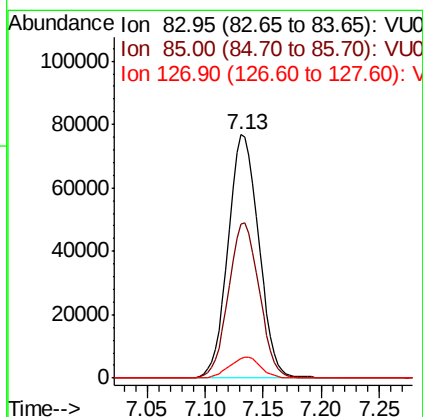
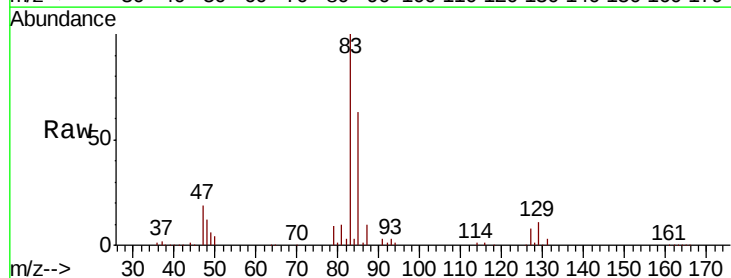
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

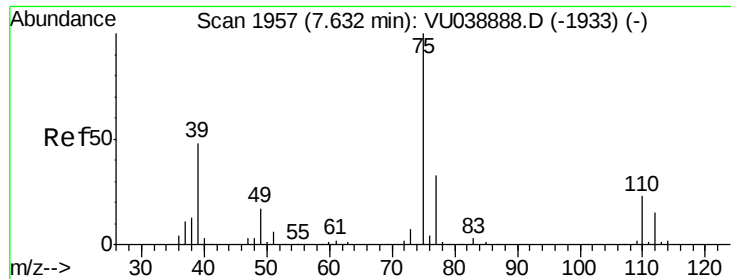
Tot Ion: 63 Resp: 106641
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.8



#38
 Bromodichloromethane
 Concen: 4.785 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU038892.D
 Acq: 15 Jun 2020 14:54

Tgt Ion: 83 Resp: 140626
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.8 83.2
 127 8.0 6.3 9.5

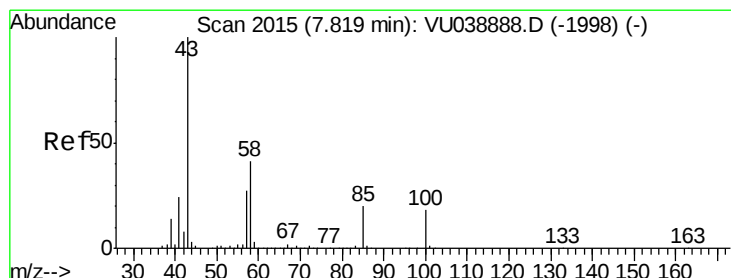
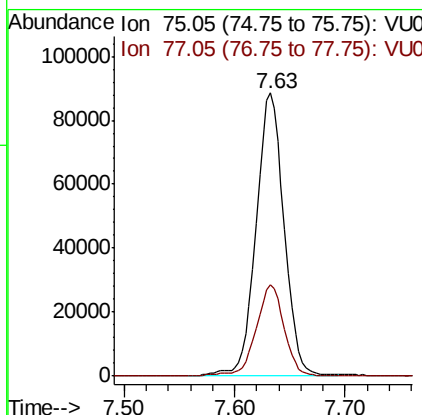
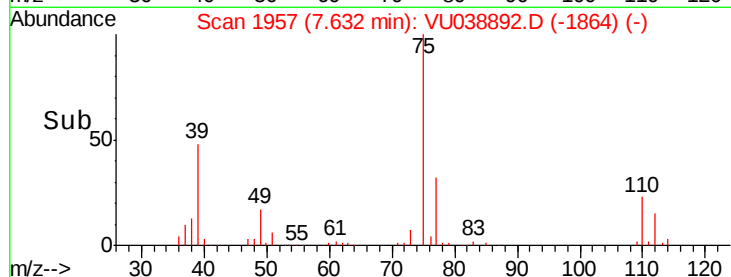
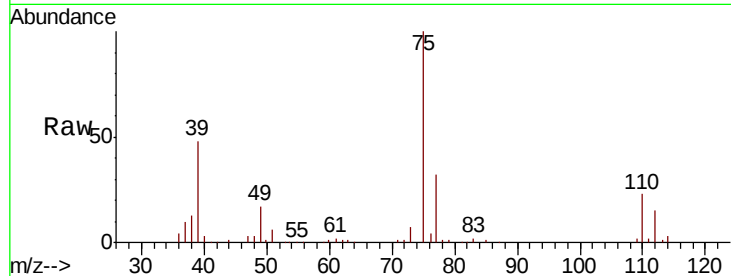




#39
 cis-1,3-Dichloropropene
 Concen: 4.874 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038892.D
 Acq: 15 Jun 2020 14:54

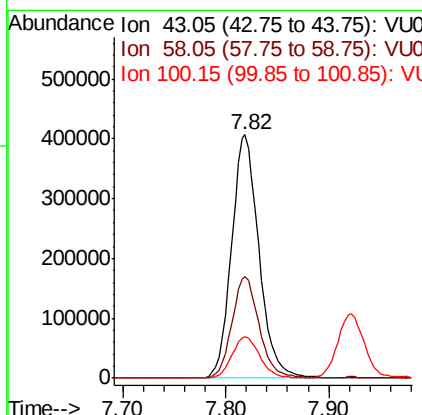
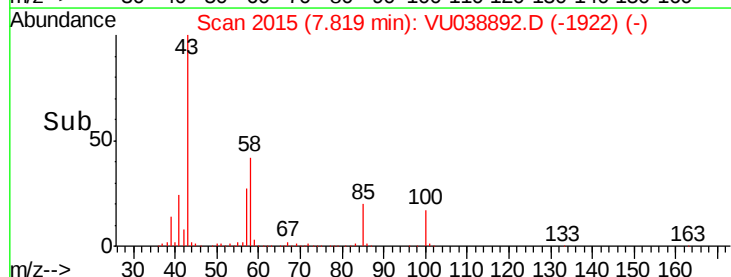
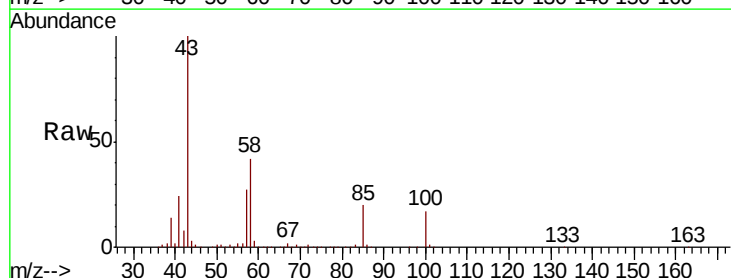
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

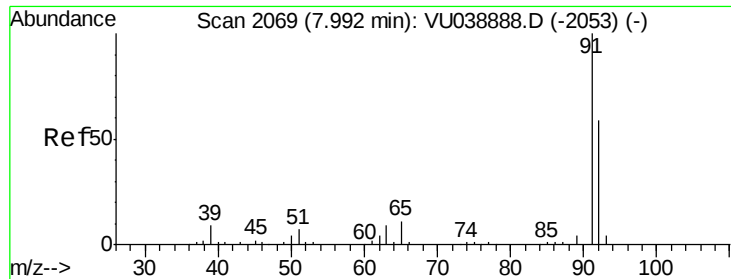
Tot Ion: 75 Resp: 155787
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 49.335 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038892.D
 Acq: 15 Jun 2020 14:54

Tgt Ion: 43 Resp: 752071
 Ion Ratio Lower Upper
 43 100
 58 41.5 32.6 49.0
 100 17.3 13.8 20.6





#42

Toluene

Concen: 4.942 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Instrument :

MSVOA_U

ClientSampleId :

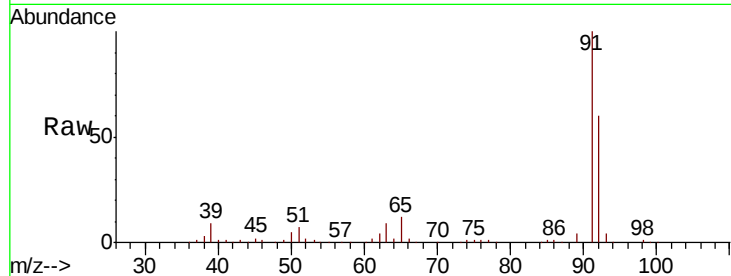
VSTD00524

Tot Ion: 91 Resp: 451102

Ion Ratio Lower Upper

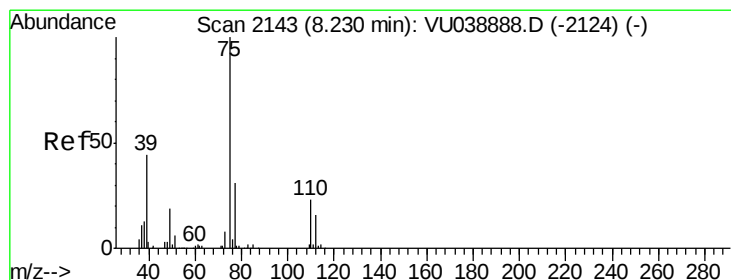
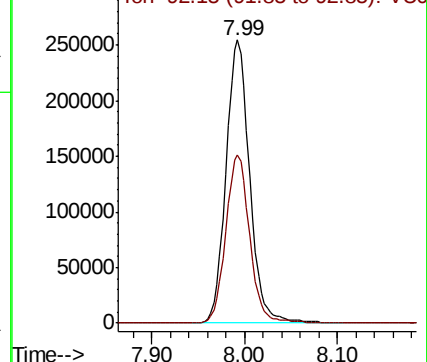
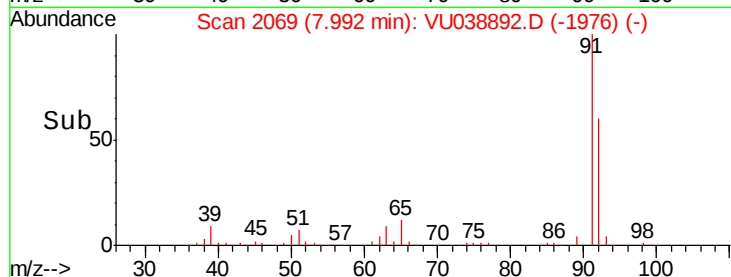
91 100

92 59.6 41.5 77.1



Abundance Ion 91.15 (90.85 to 91.85): VU038888.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU038892.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.801 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038892.D

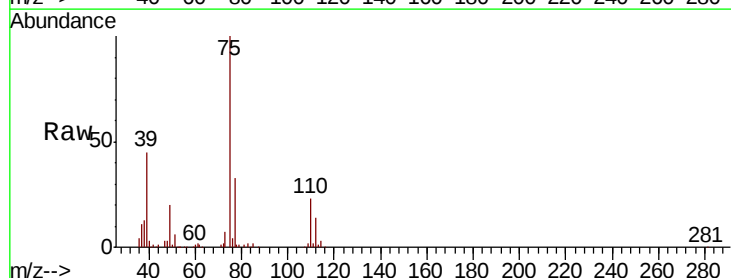
Acq: 15 Jun 2020 14:54

Tgt Ion: 75 Resp: 140344

Ion Ratio Lower Upper

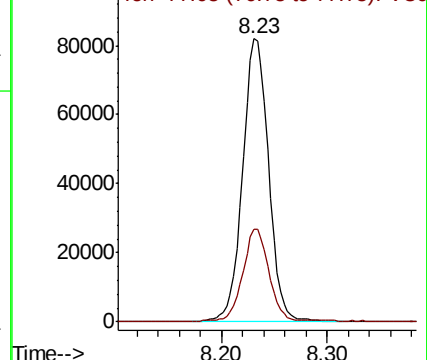
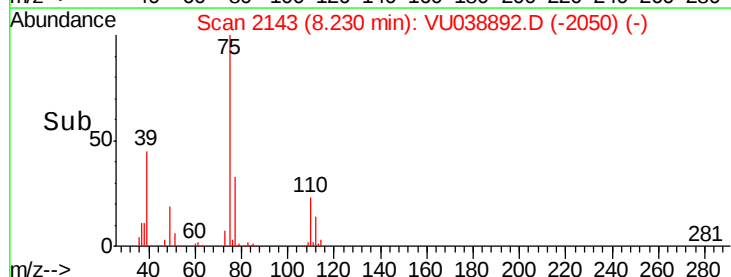
75 100

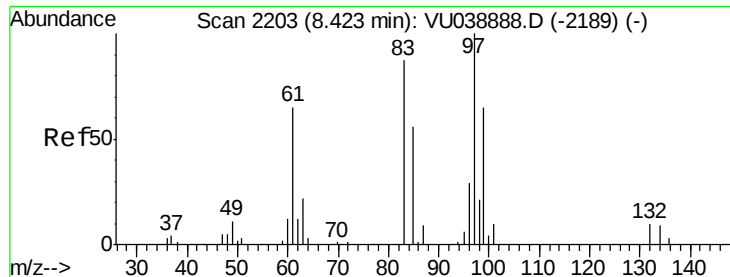
77 33.0 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU038888.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038892.D (-2050) (-)

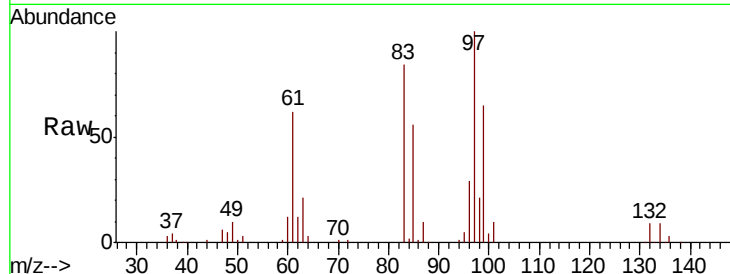




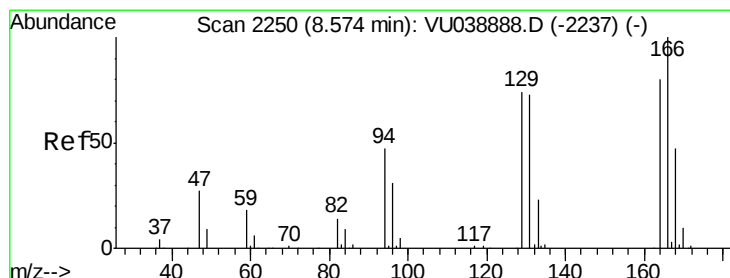
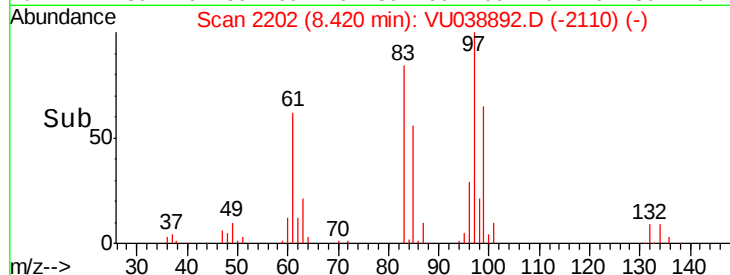
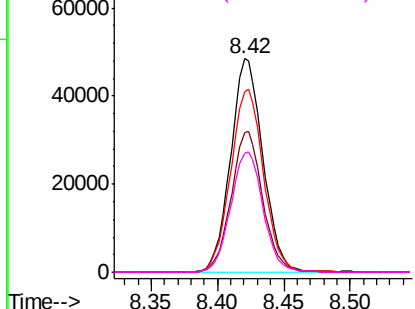
#45
1,1,2-Trichloroethane
Concen: 4.812 ug/L
RT: 8.42 min Scan# 2202
Delta R.T. -0.00 min
Lab File: VU038892.D
Acq: 15 Jun 2020 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion:	97	Resp:	82205
Ion	Ratio	Lower	Upper
97	100		
99	65.4	45.4	84.2
83	84.4	60.6	112.6
85	55.5	39.0	72.4

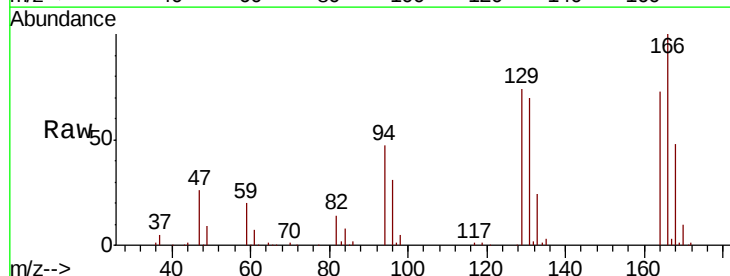


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

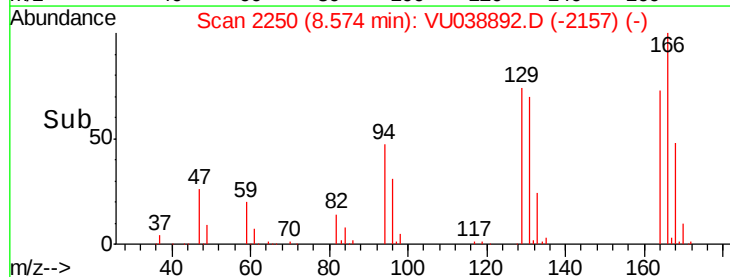
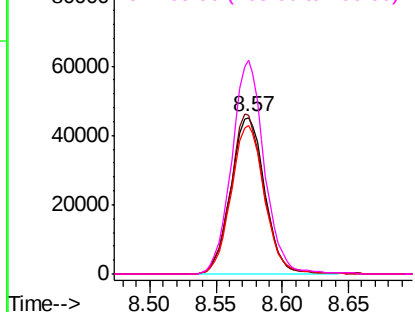


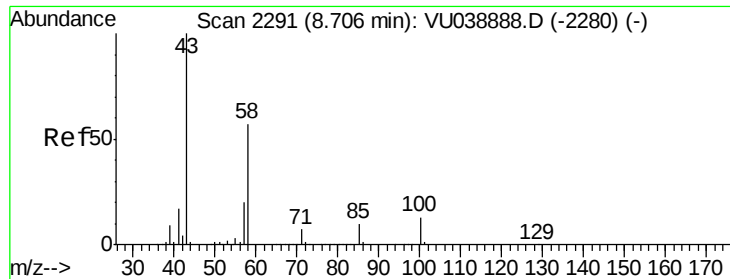
#47
Tetrachloroethene
Concen: 4.645 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038892.D
Acq: 15 Jun 2020 14:54

Tgt Ion:	164	Resp:	80510
Ion	Ratio	Lower	Upper
164	100		
129	101.0	65.5	121.7
131	95.1	63.9	118.7
166	136.5	87.9	163.3



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

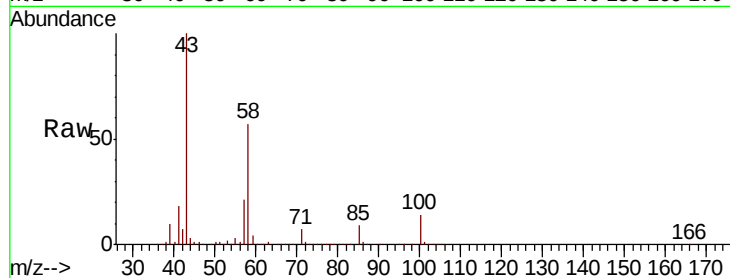




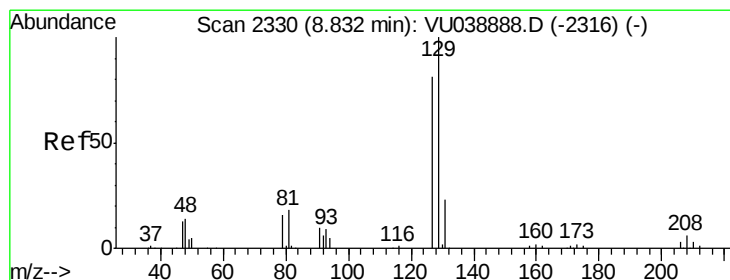
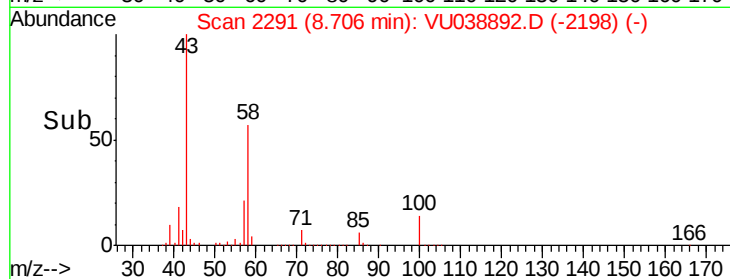
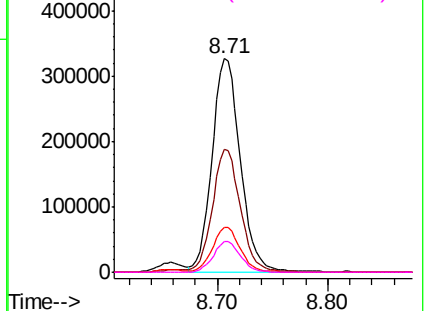
#48
2-Hexanone
Concen: 47.804 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038892.D
Acq: 15 Jun 2020 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion: 43 Resp: 577710
Ion Ratio Lower Upper
43 100
58 56.3 45.4 68.2
57 20.8 16.4 24.6
100 14.0 10.6 15.8

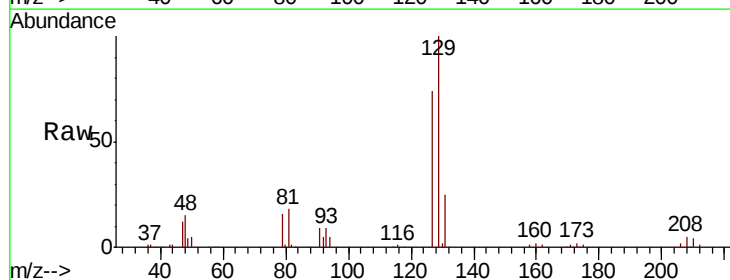


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

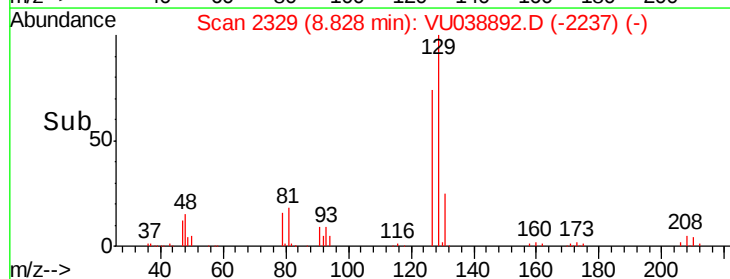
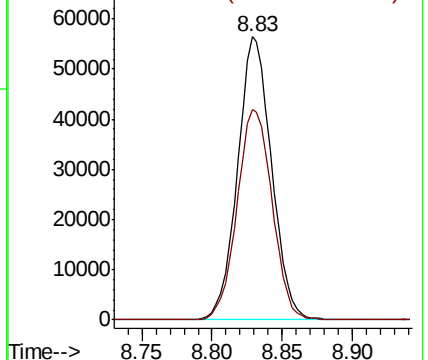


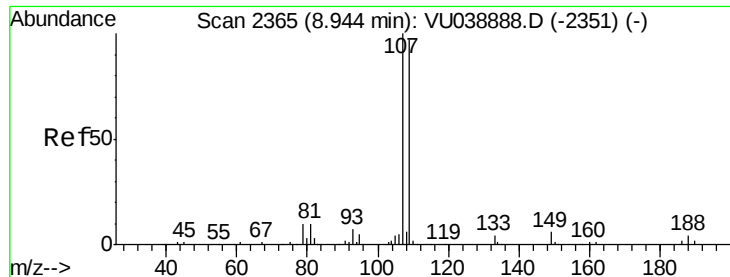
#49
Dibromochloromethane
Concen: 4.811 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU038892.D
Acq: 15 Jun 2020 14:54

Tgt Ion: 129 Resp: 95356
Ion Ratio Lower Upper
129 100
127 74.2 56.7 105.3



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

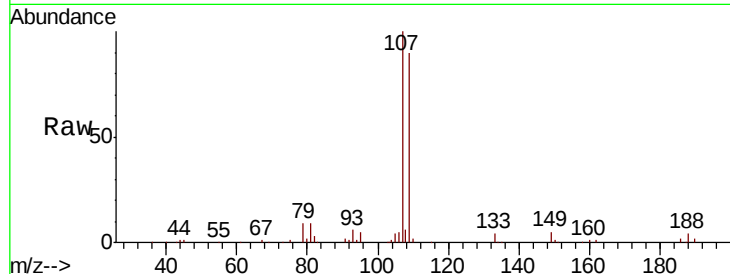




#50
 1,2-Dibromoethane
 Concen: 4.820 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038892.D
 Acq: 15 Jun 2020 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.3	67.5	125.4
188	4.2	2.9	4.3

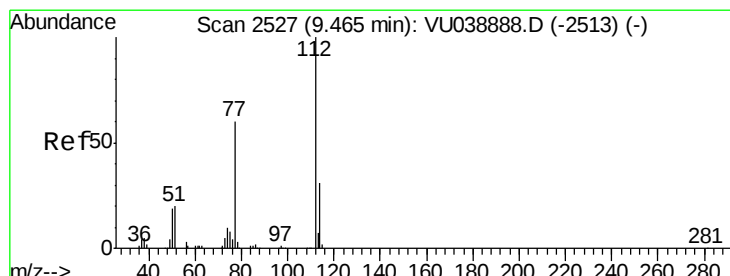
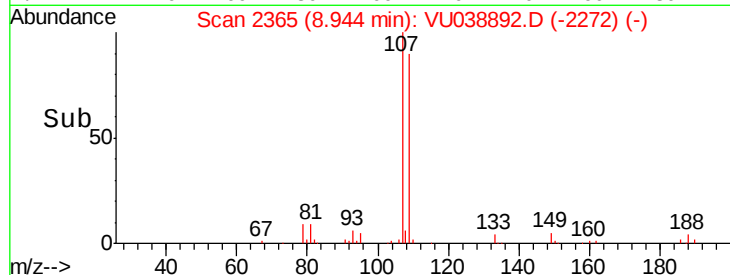
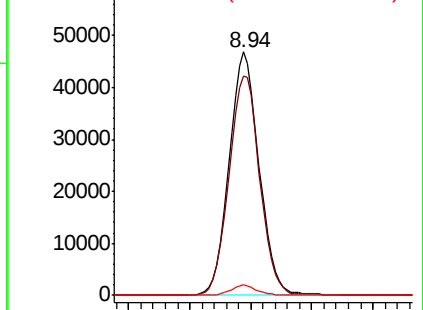


Abundance

Ion 106.95 (106.65 to 107.65): V

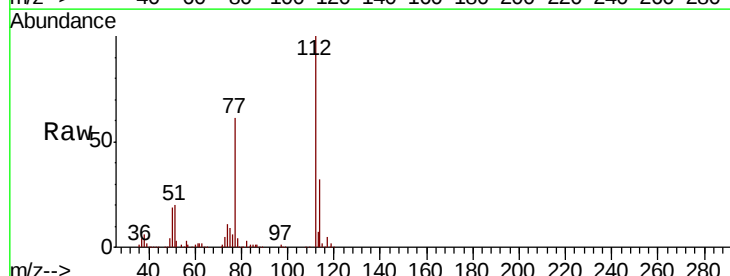
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 4.806 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038892.D
 Acq: 15 Jun 2020 14:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	21.8	40.4
77	60.7	48.3	72.5

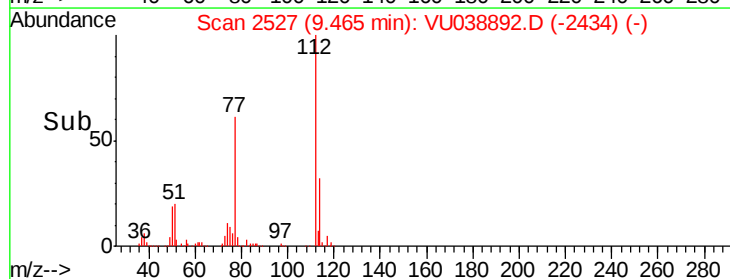
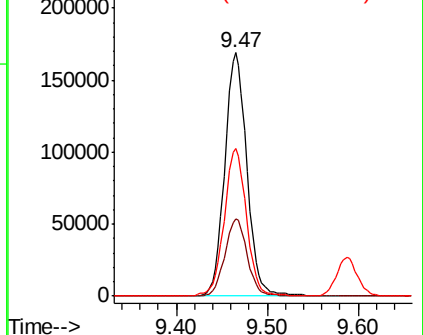


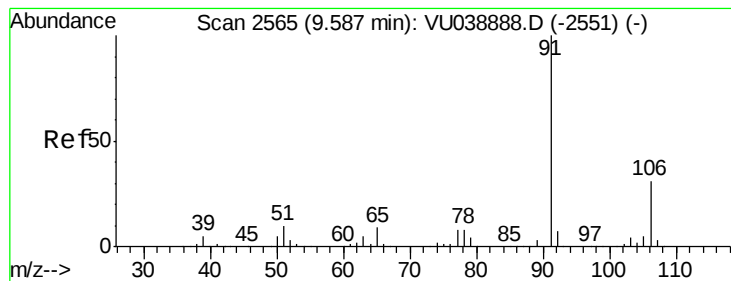
Abundance

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): VU





#52

Ethylbenzene

Concen: 4.740 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Instrument :

MSVOA_U

ClientSampleId :

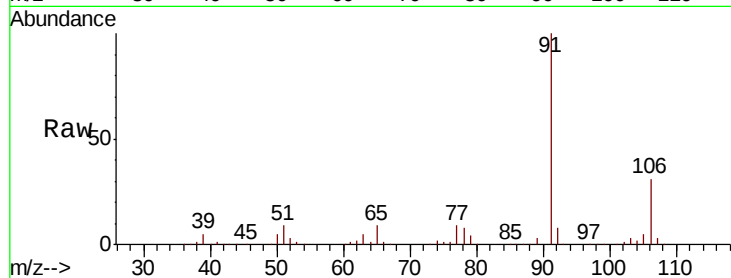
VSTD00524

Tot Ion: 91 Resp: 481472

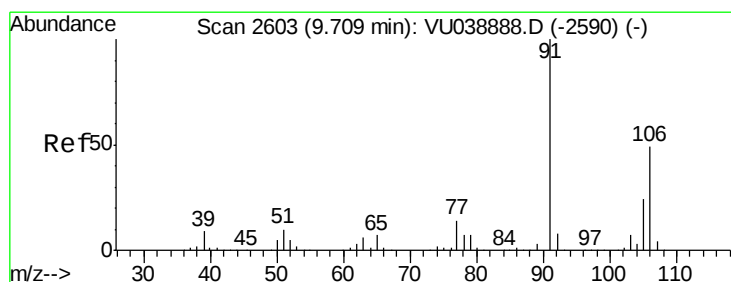
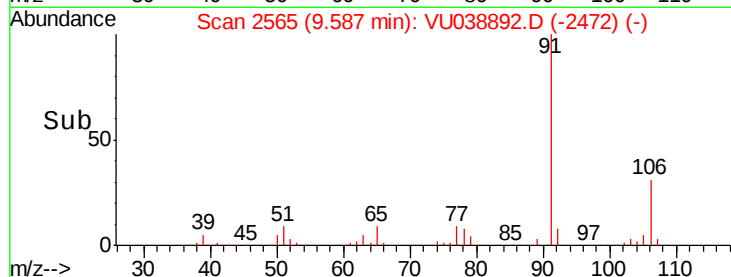
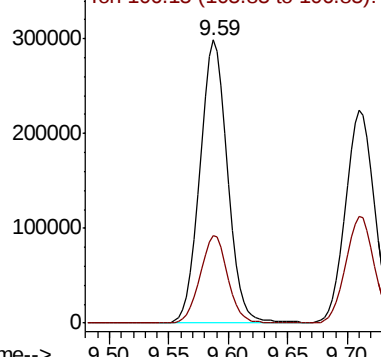
Ion Ratio Lower Upper

91 100

106 31.0 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VU038892.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.970 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038892.D

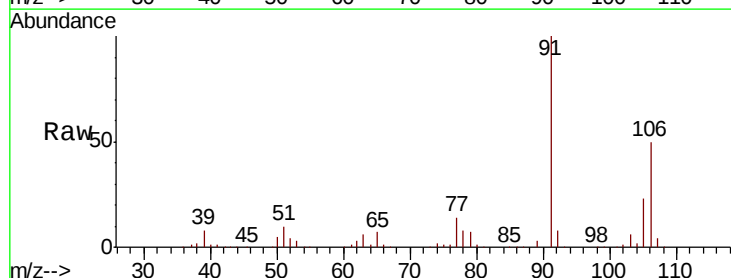
Acq: 15 Jun 2020 14:54

Tgt Ion: 106 Resp: 189678

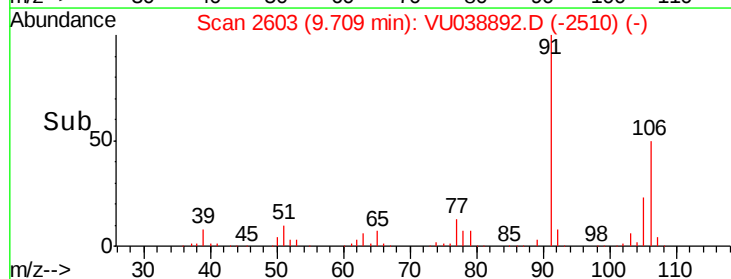
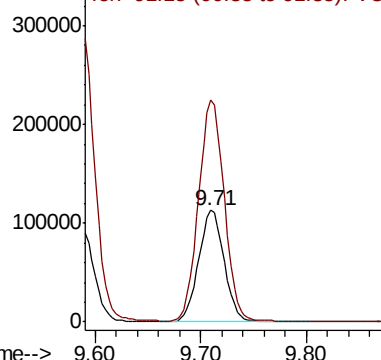
Ion Ratio Lower Upper

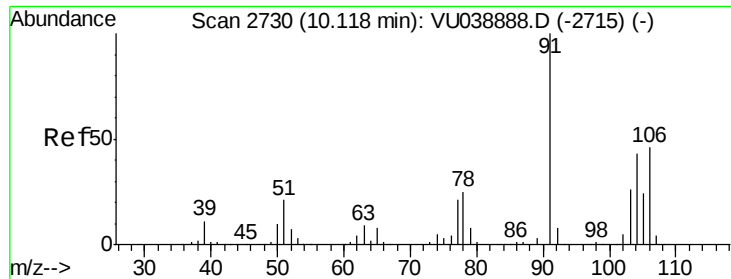
106 100

91 198.9 143.1 265.7



Abundance Ion 106.15 (105.85 to 106.85): VU038892.D (-2510) (-)

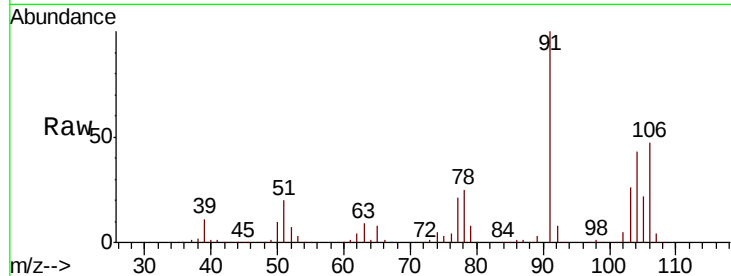




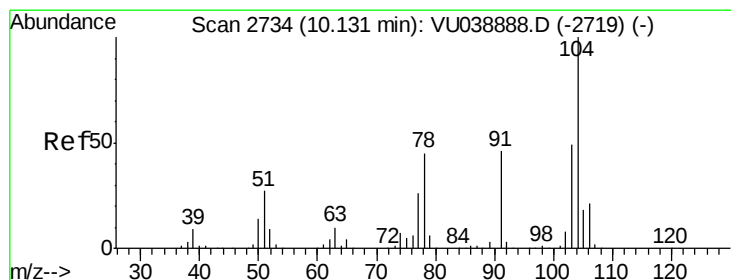
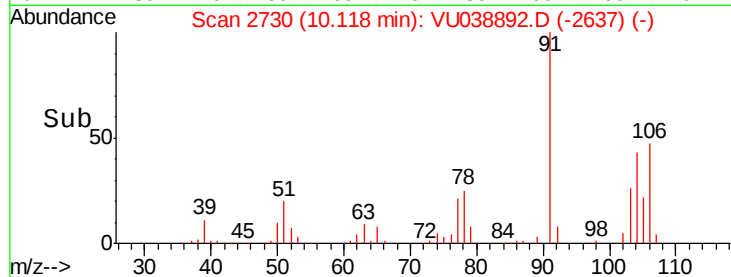
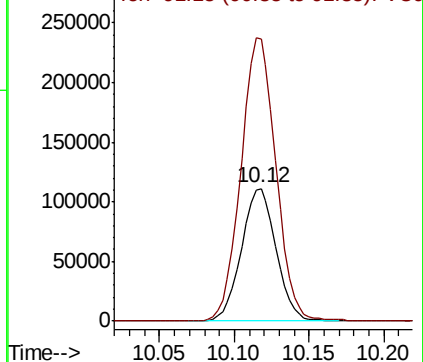
#54
o-Xylene
Concen: 4.880 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038892.D
Acq: 15 Jun 2020 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion:106 Resp: 179194
Ion Ratio Lower Upper
106 100
91 213.4 152.0 282.4

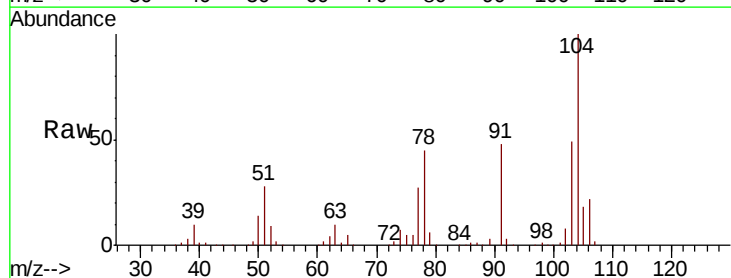


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

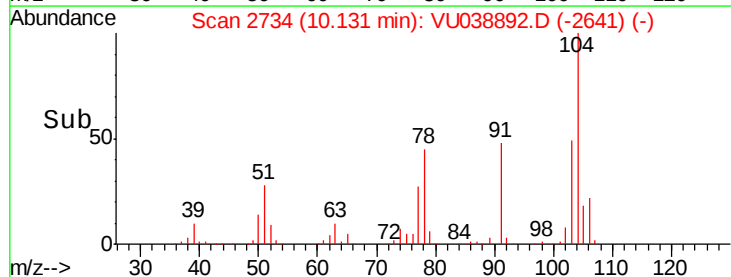
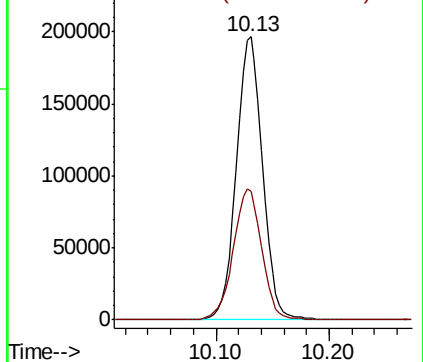


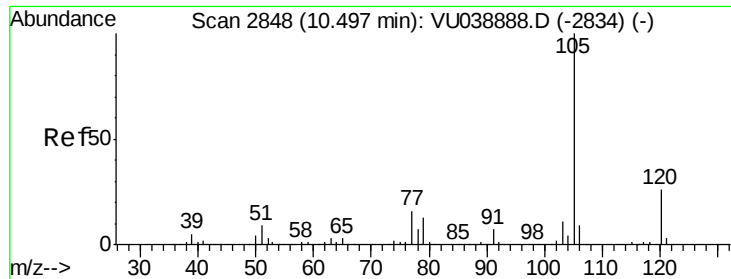
#55
Styrene
Concen: 4.976 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038892.D
Acq: 15 Jun 2020 14:54

Tgt Ion:104 Resp: 317354
Ion Ratio Lower Upper
104 100
78 45.4 31.8 59.0



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





#56

Isopropylbenzene

Concen: 5.119 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

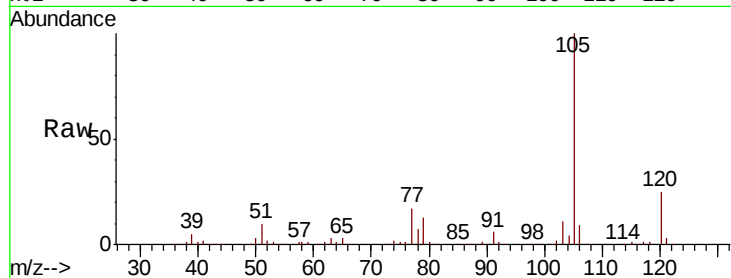
Tot Ion:105 Resp: 488141

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

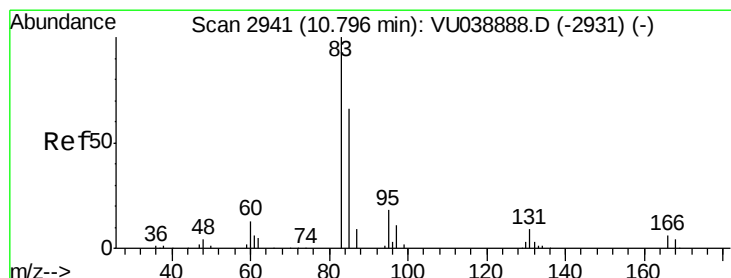
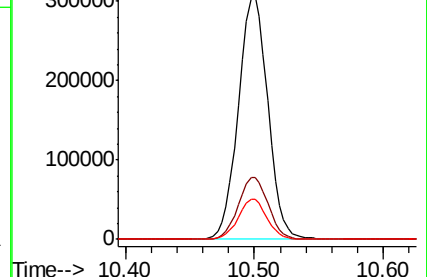
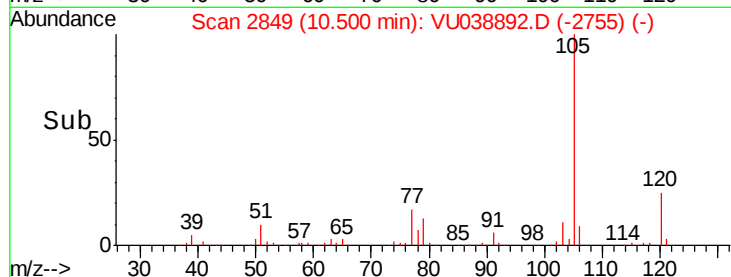
77 16.2 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.610 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

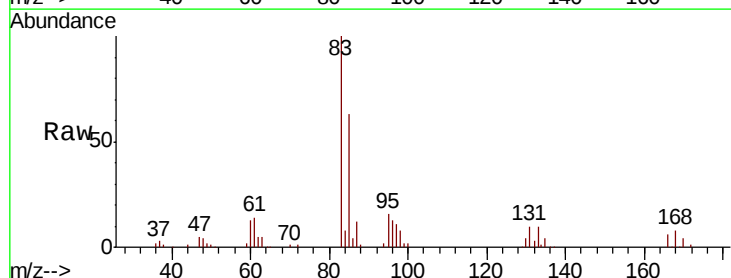
Tgt Ion: 83 Resp: 100972

Ion Ratio Lower Upper

83 100

85 63.4 46.3 85.9

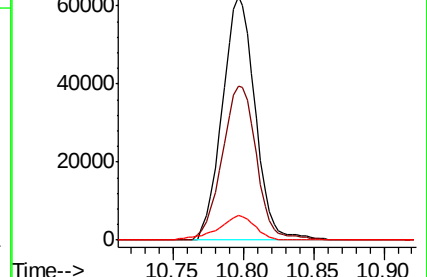
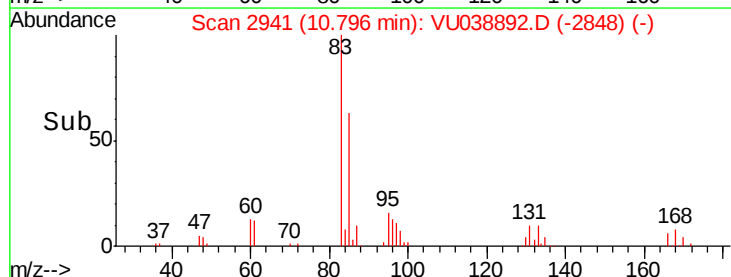
131 9.9 8.3 12.5

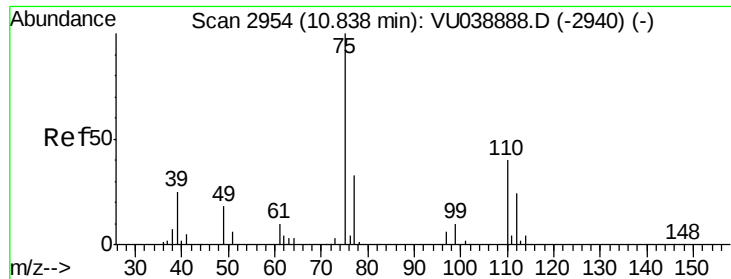


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.687 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Instrument :

MSVOA_U

ClientSampleId :

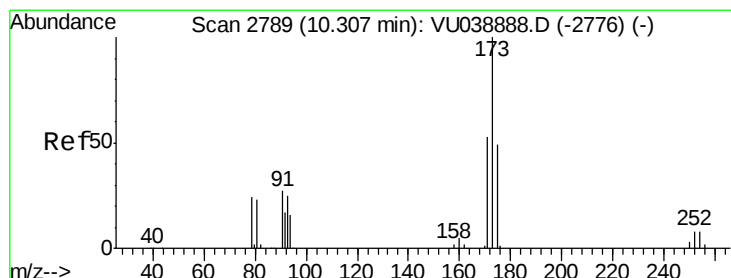
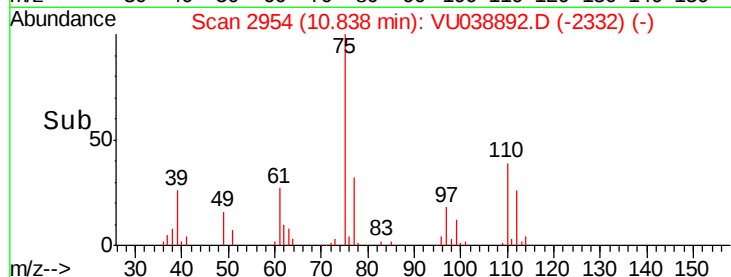
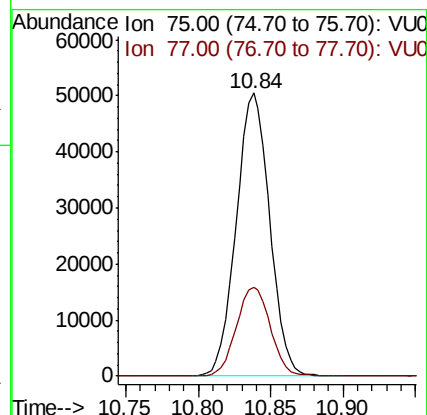
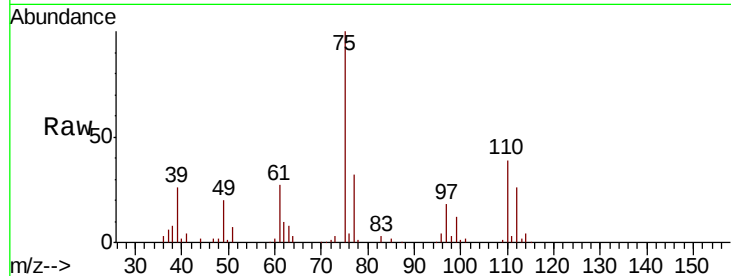
VSTD00524

Tot Ion: 75 Resp: 80720

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



#61

Bromoform

Concen: 4.878 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

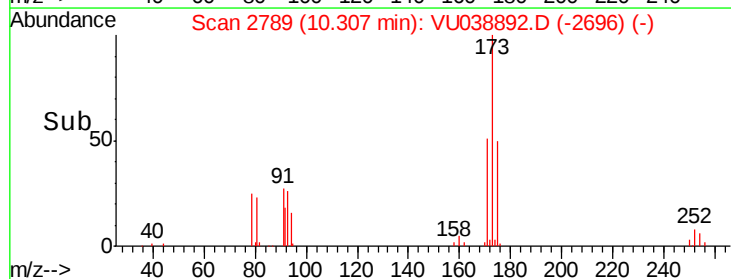
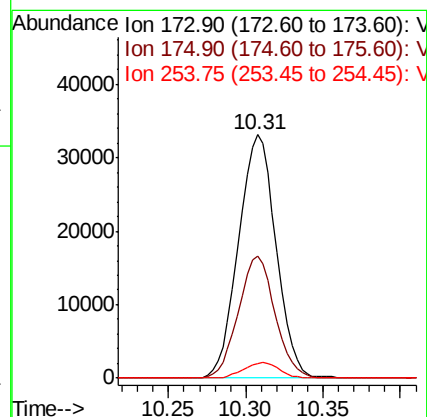
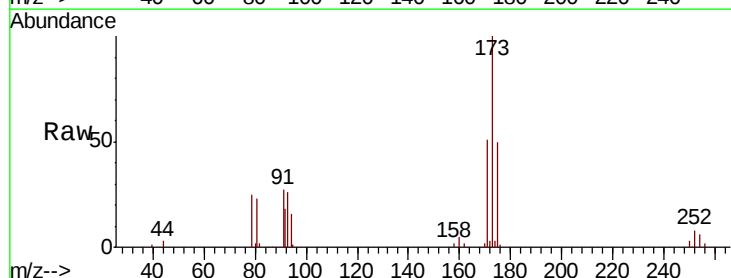
Tgt Ion: 173 Resp: 55661

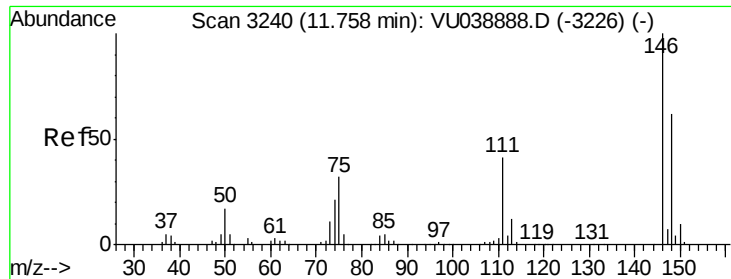
Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.4

254 6.0 6.0 9.0#

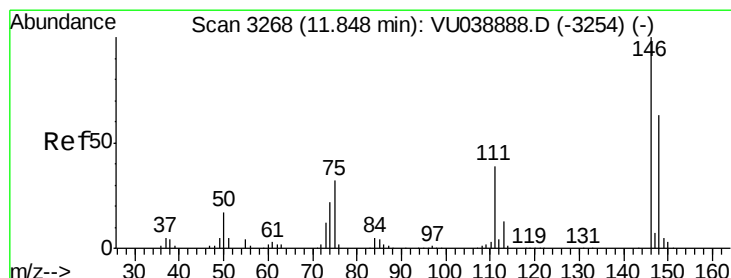
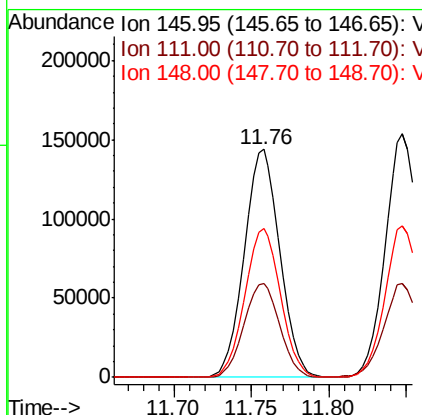
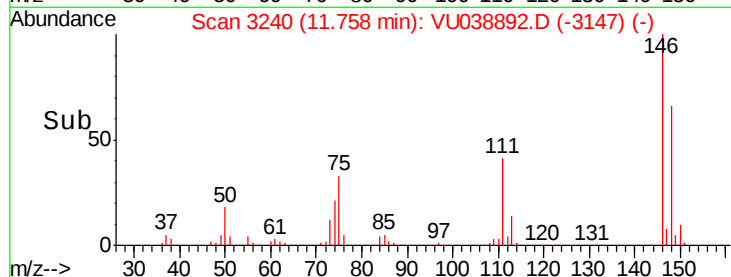
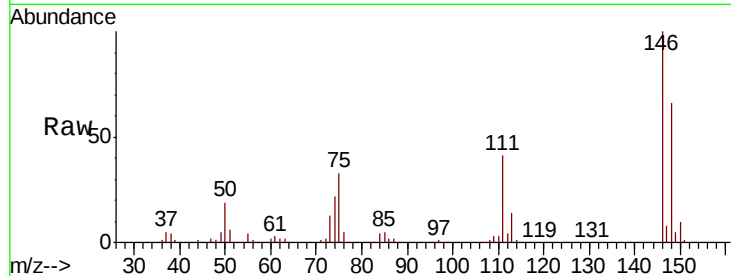




#62
 1,3-Dichlorobenzene
 Concen: 4.888 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038892.D
 Acq: 15 Jun 2020 14:54

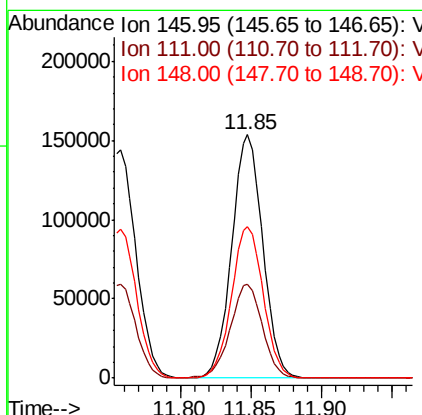
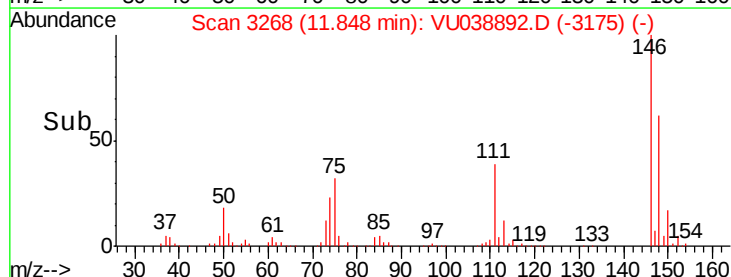
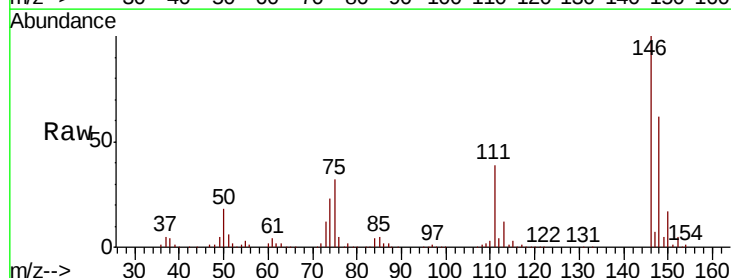
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

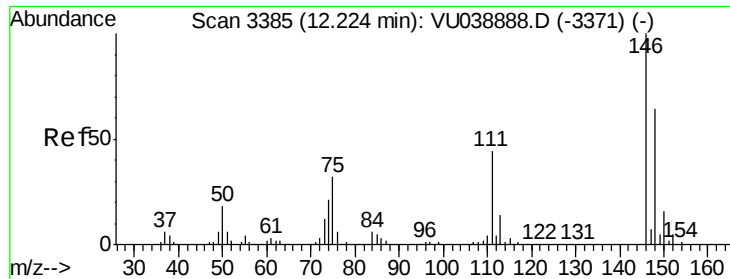
Tot Ion:146 Resp: 230726
 Ion Ratio Lower Upper
 146 100
 111 41.3 29.0 53.8
 148 65.5 43.7 81.1



#63
 1,4-Dichlorobenzene
 Concen: 4.953 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038892.D
 Acq: 15 Jun 2020 14:54

Tgt Ion:146 Resp: 236834
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.7 51.5
 148 62.5 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 4.697 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

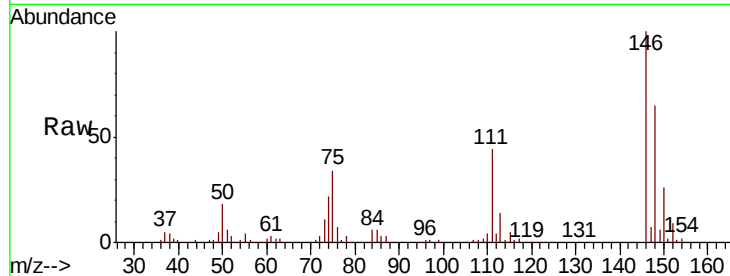
Tot Ion:146 Resp: 220315

Ion Ratio Lower Upper

146 100

111 44.5 35.1 52.7

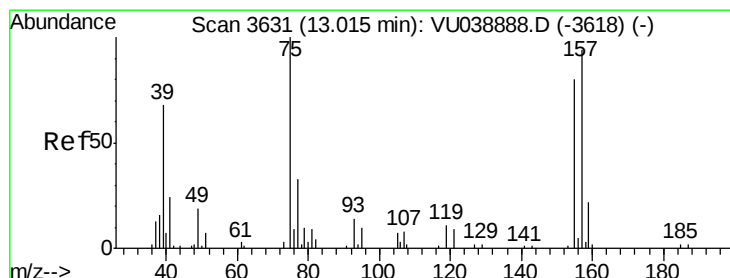
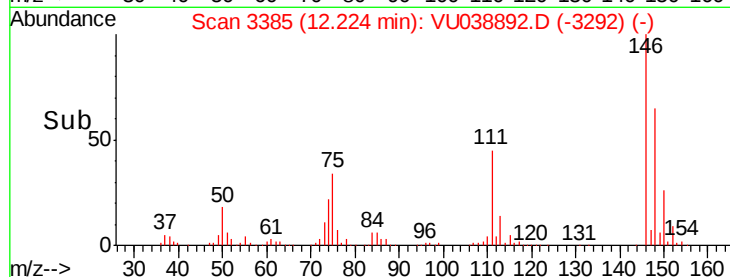
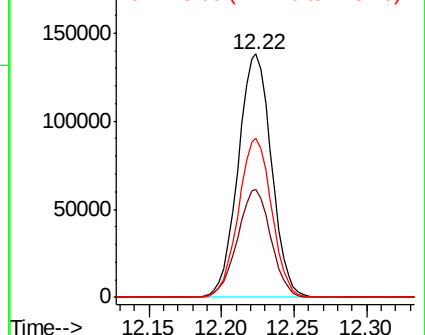
148 65.2 51.4 77.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.652 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

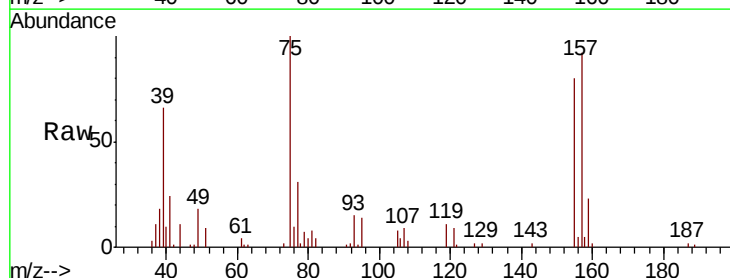
Tgt Ion: 75 Resp: 19322

Ion Ratio Lower Upper

75 100

155 80.3 64.0 96.0

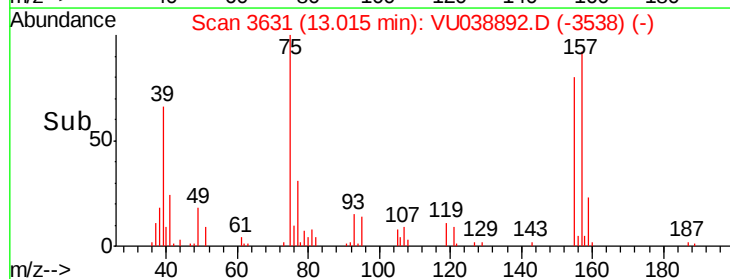
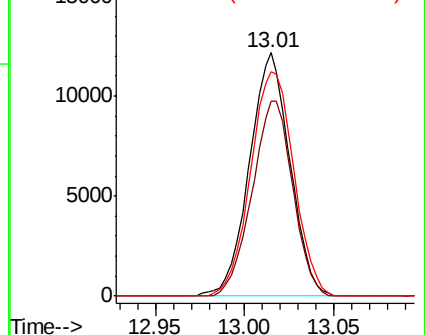
157 92.0 75.4 113.2

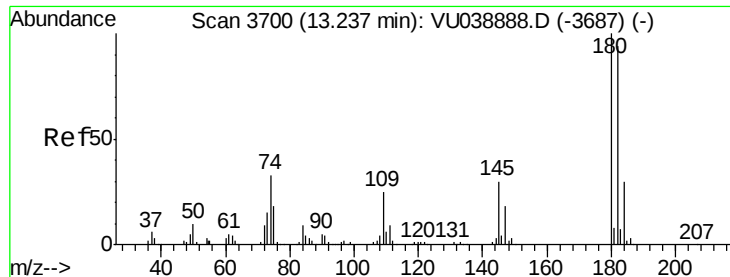


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

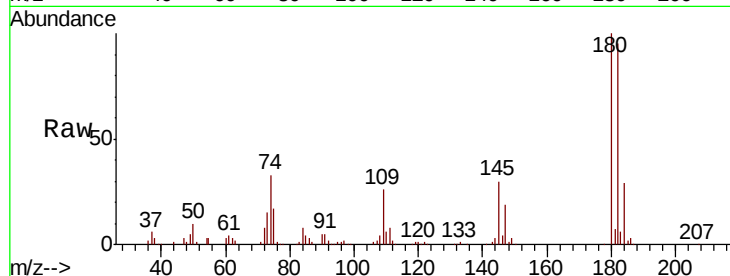




#67
 1,3,5-Trichlorobenzene
 Concen: 4.842 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU038892.D
 Acq: 15 Jun 2020 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.8	113.6
184	30.2	24.6	36.8
145	30.7	25.0	37.6



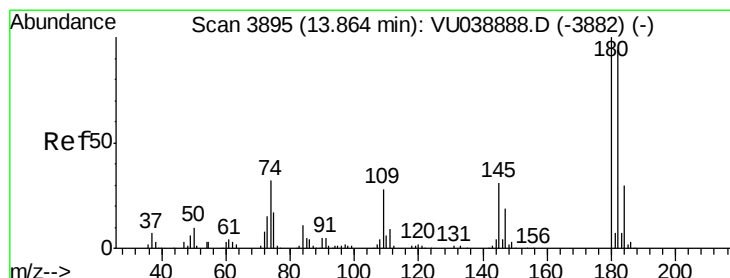
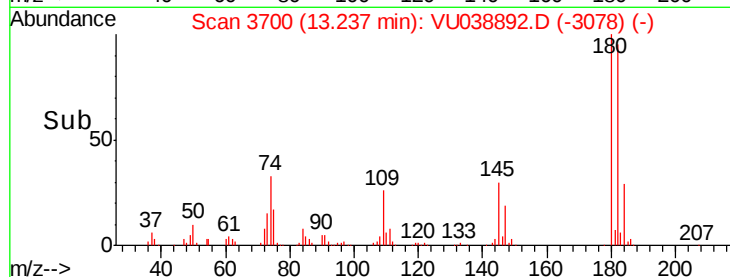
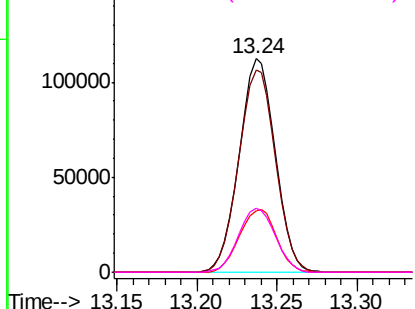
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

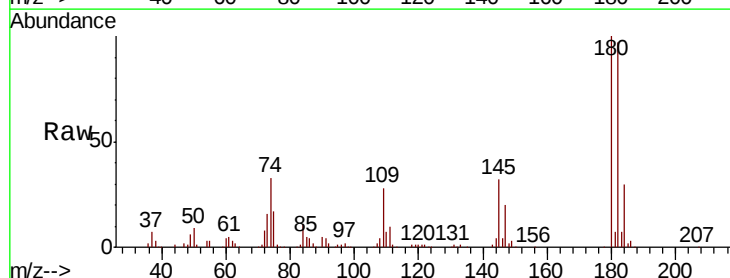
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.246 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU038892.D
 Acq: 15 Jun 2020 14:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.9	113.9
145	31.6	24.7	37.1

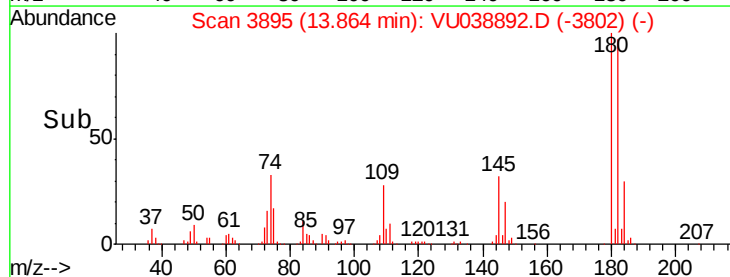
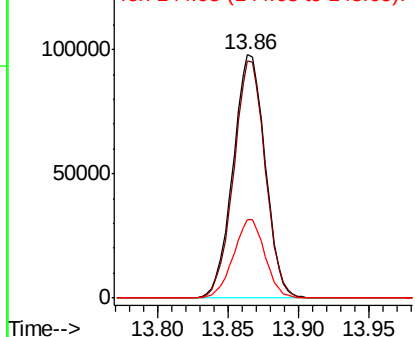


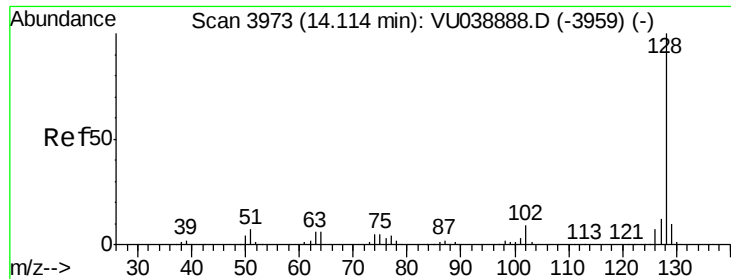
Abundance

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: 5.538 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

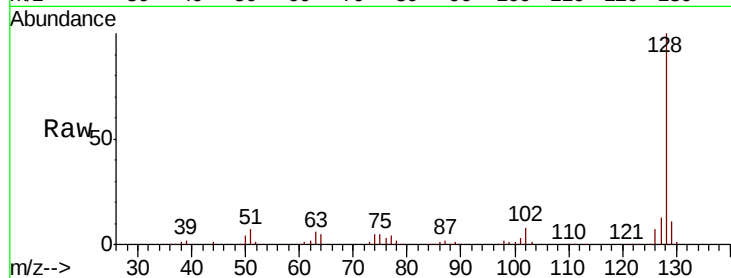
Tot Ion:128 Resp: 310157

Ion Ratio Lower Upper

128 100

129 10.7 8.2 12.4

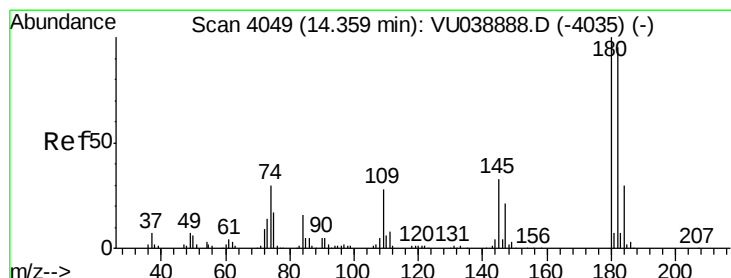
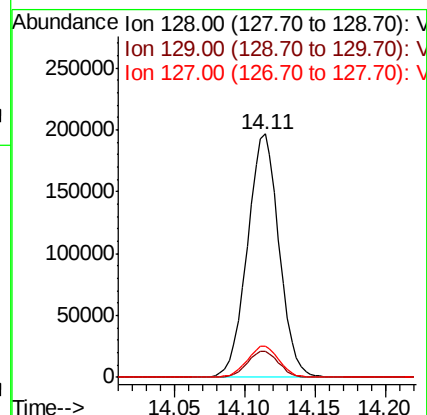
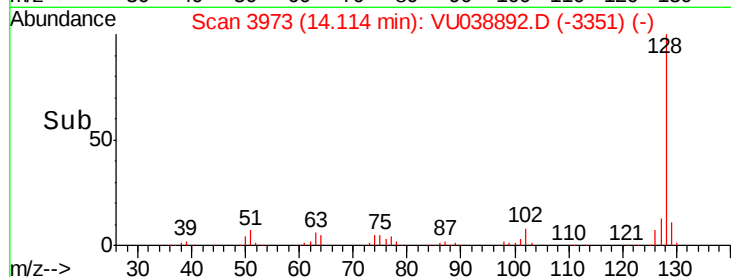
127 13.0 10.1 15.1



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: 5.343 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU038892.D

Acq: 15 Jun 2020 14:54

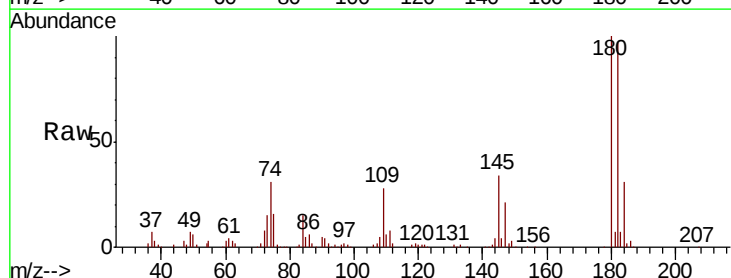
Tgt Ion:180 Resp: 148909

Ion Ratio Lower Upper

180 100

182 96.3 75.1 112.7

145 34.1 26.8 40.2



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

