

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061620\
 Data File : VU038917.D
 Acq On : 16 Jun 2020 11:02
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Quant Time: Jun 17 01:55:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 16 12:56:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	321274	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	330450	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	168016	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	70528	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.93	69	68481	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.59	63	181471	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	4.68	46	280507	48.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.82%
24) Chloroform-d	5.10	84	186096	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.74	65	102671	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.76	84	341017	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.72	67	104457	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.92	98	314398	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	8.20	79	48738	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.66	63	231550	46.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.70%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	99308	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	126562	4.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	150383	4.809	ug/L 98
3) Chloromethane	1.53	50	124838	4.786	ug/L 100
5) Vinyl chloride	1.62	62	132752	4.824	ug/L 98
6) Bromomethane	1.88	94	80560	4.767	ug/L 98
8) Chloroethane	1.95	64	93011	4.546	ug/L 100
9) Trichlorofluoromethane	2.16	101	227571	4.761	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	116303	4.906	ug/L 99
12) 1,1-Dichloroethene	2.60	96	108173	4.765	ug/L 98
13) Acetone	2.69	43	235509	49.672	ug/L 96
14) Carbon disulfide	2.82	76	357966	4.749	ug/L 100
15) Methyl Acetate	2.99	43	50526	4.368	ug/L 94
16) Methylene chloride	3.08	84	120174	4.604	ug/L 97
17) Methyl tert-butyl Ether	3.40	73	286835	4.951	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	116611	4.848	ug/L 99
19) 1,1-Dichloroethane	3.91	63	212487	4.819	ug/L 97
21) 2-Butanone	4.76	43	368210	47.773	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	121183	4.818	ug/L 94

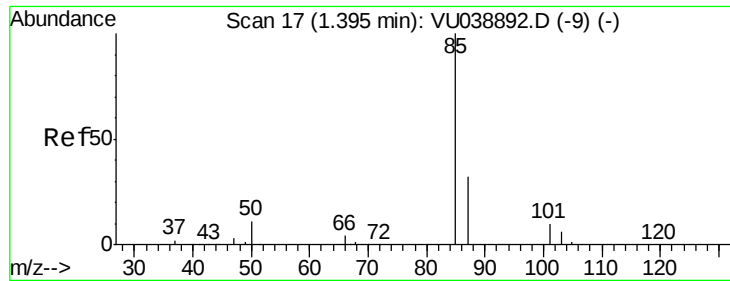
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061620\
 Data File : VU038917.D
 Acq On : 16 Jun 2020 11:02
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD00526

Quant Time: Jun 17 01:55:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 16 12:56:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	56160	4.716	uq/L	96
25) Chloroform	5.13	83	218134	4.747	uq/L	99
27) 1,2-Dichloroethane	5.83	62	152321	4.670	uq/L	98
29) 1,1,1-Trichloroethane	5.35	97	195197	4.769	uq/L	98
30) Cyclohexane	5.42	56	185771	5.038	uq/L	100
31) Carbon tetrachloride	5.56	117	164964	4.735	uq/L	100
33) Benzene	5.81	78	468145	4.770	uq/L	100
34) Trichloroethene	6.57	95	122687	4.787	uq/L	97
35) Methylcyclohexane	6.79	83	185206	4.851	uq/L	99
37) 1,2-Dichloropropane	6.82	63	118385	4.674	uq/L	99
38) Bromodichloromethane	7.13	83	157486	4.729	uq/L	98
39) cis-1,3-Dichloropropene	7.63	75	176750	4.880	uq/L	97
40) 4-Methyl-2-pentanone	7.82	43	813911	47.113	uq/L	99
42) Toluene	7.99	91	511341	4.943	uq/L	99
44) trans-1,3-Dichloropropene	8.23	75	163811	4.945	uq/L	98
45) 1,1,2-Trichloroethane	8.42	97	91883	4.746	uq/L	97
47) Tetrachloroethene	8.57	164	97489	4.963	uq/L	99
48) 2-Hexanone	8.71	43	635508	46.403	uq/L	98
49) Dibromochloromethane	8.83	129	104615	4.657	uq/L	98
50) 1,2-Dibromoethane	8.94	107	86916	4.632	uq/L	99
51) Chlorobenzene	9.47	112	334474	4.968	uq/L	99
52) Ethylbenzene	9.59	91	580686	5.045	uq/L	98
53) m,p-Xylene	9.71	106	224430	5.189	uq/L	98
54) o-Xylene	10.12	106	214684	5.159	uq/L	98
55) Styrene	10.13	104	383147	5.301	uq/L	99
56) Isopropylbenzene	10.50	105	579367	5.361	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	118595	4.778	uq/L	99
59) 1,2,3-Trichloropropane	10.84	75	90982	4.662	uq/L	100
61) Bromoform	10.31	173	63158	4.932	uq/L	98
62) 1,3-Dichlorobenzene	11.76	146	267709	5.054	uq/L	98
63) 1,4-Dichlorobenzene	11.85	146	268019	4.995	uq/L	99
65) 1,2-Dichlorobenzene	12.22	146	250068	4.751	uq/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	20542	4.407	uq/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	204135	5.115	uq/L	100
68) 1,2,4-trichlorobenzene	13.87	180	193894	5.800	uq/L	100
69) Naphthalene	14.12	128	363314	5.780	uq/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	174909	5.592	uq/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.809 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

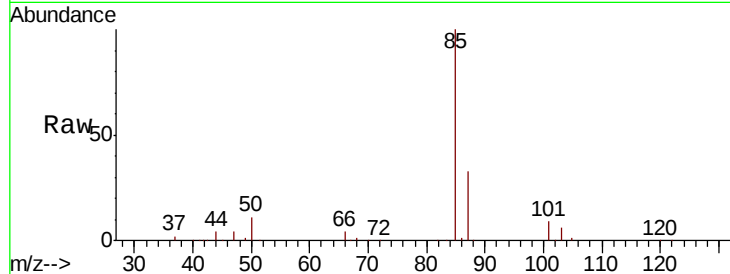
VSTD00526

Tot Ion: 85 Resp: 150383

Ion Ratio Lower Upper

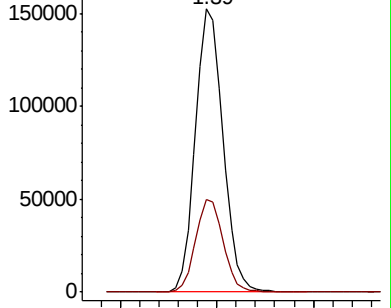
85 100

87 32.6 25.0 37.6

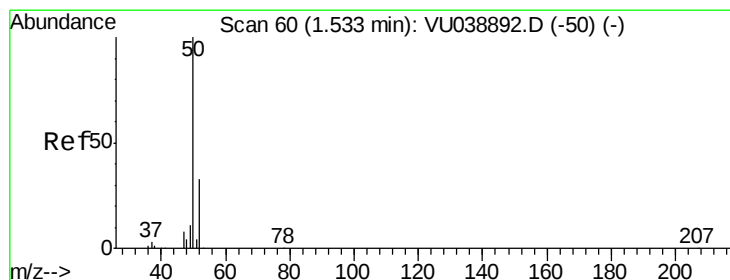
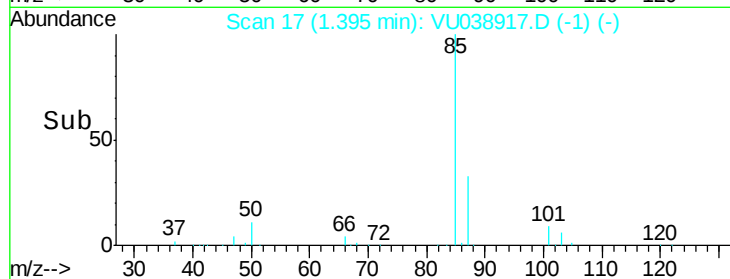


Abundance Ion 85.00 (84.70 to 85.70): VU038917.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038917.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 4.786 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038917.D

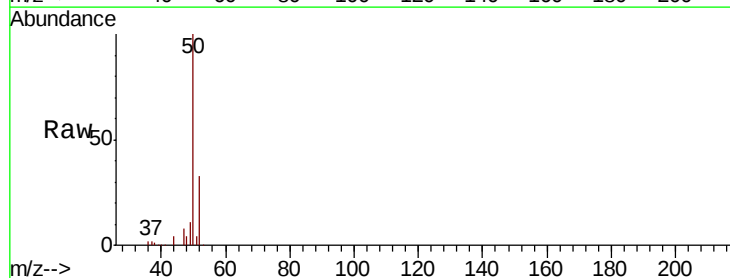
Acq: 16 Jun 2020 11:02

Tgt Ion: 50 Resp: 124838

Ion Ratio Lower Upper

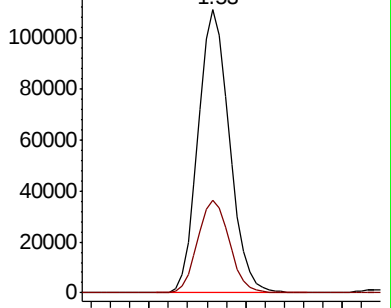
50 100

52 32.8 23.0 42.6

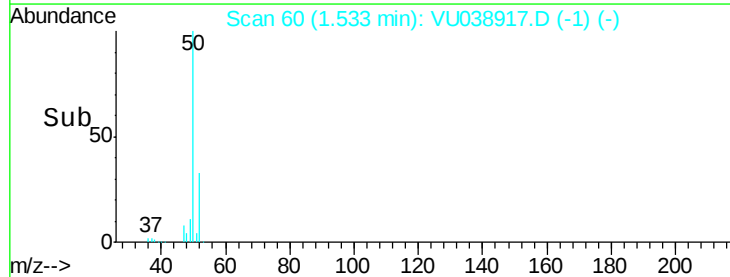


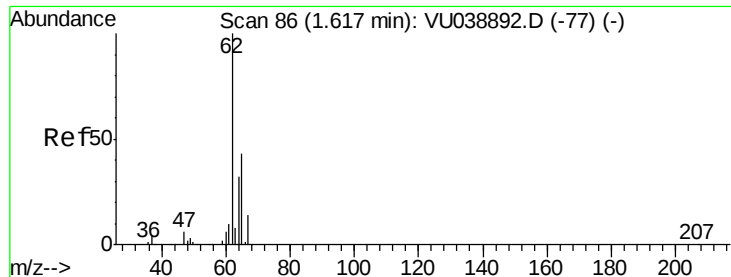
Abundance Ion 50.05 (49.75 to 50.75): VU038917.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU038917.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 4.824 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

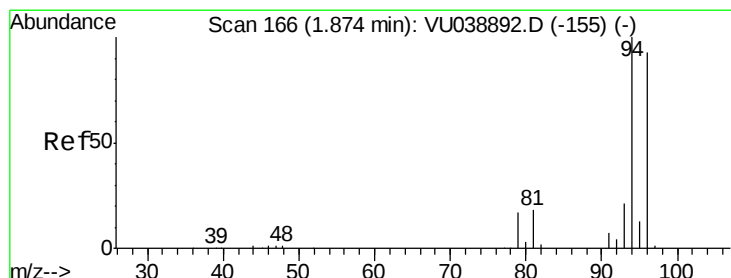
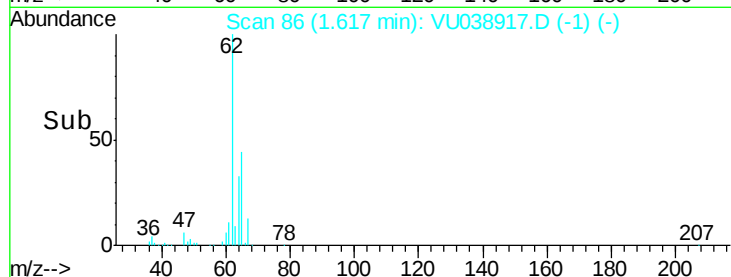
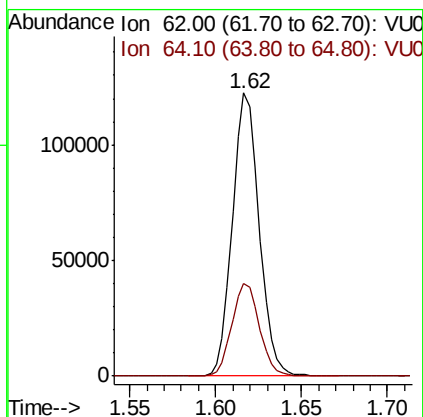
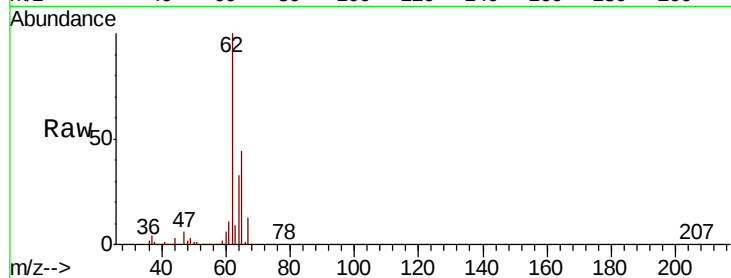
VSTD00526

Tot Ion: 62 Resp: 132752

Ion Ratio Lower Upper

62 100

64 32.8 22.2 41.2



#6

Bromomethane

Concen: 4.767 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038917.D

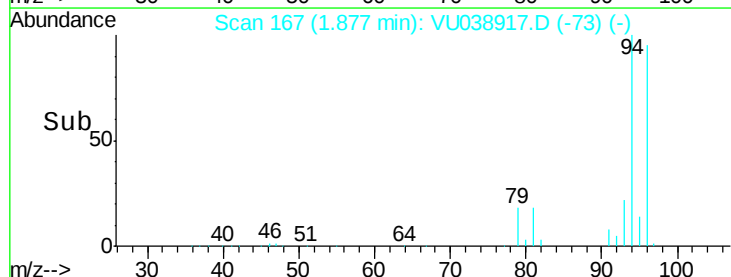
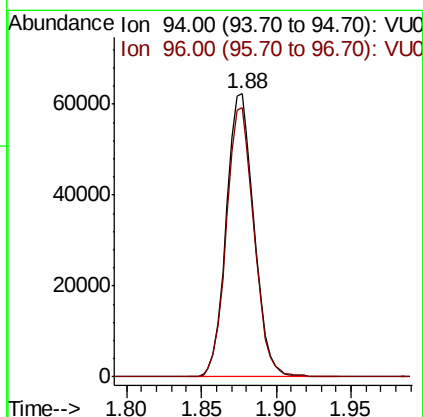
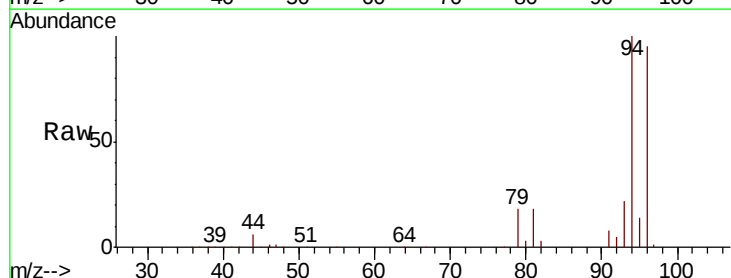
Acq: 16 Jun 2020 11:02

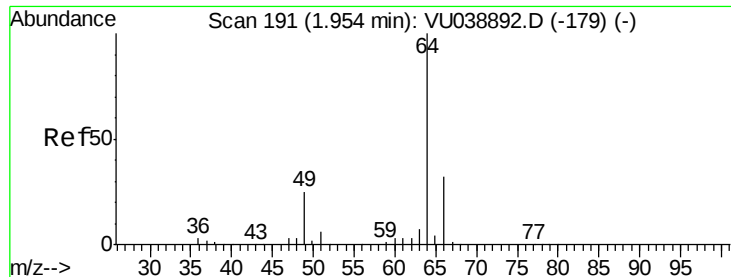
Tgt Ion: 94 Resp: 80560

Ion Ratio Lower Upper

94 100

96 95.3 65.5 121.7

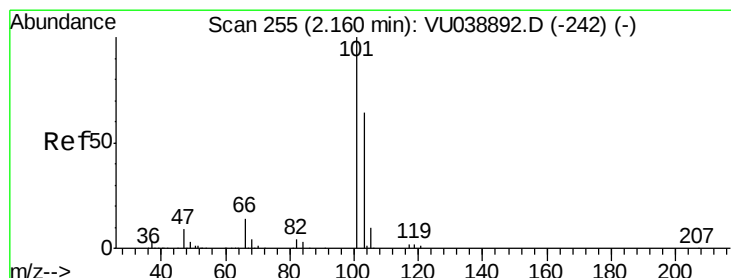
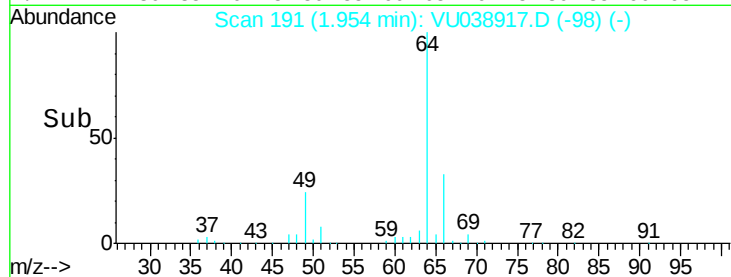
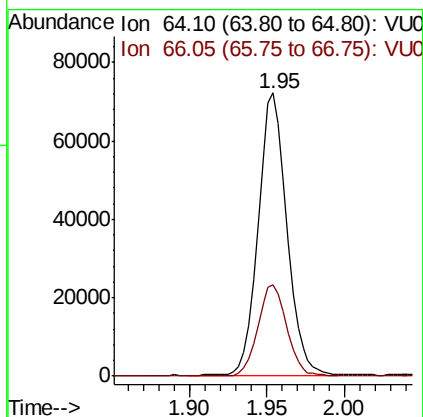
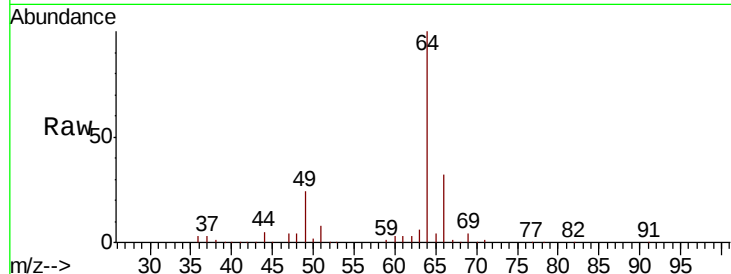




#8
Chloroethane
Concen: 4.546 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038917.D
Acq: 16 Jun 2020 11:02

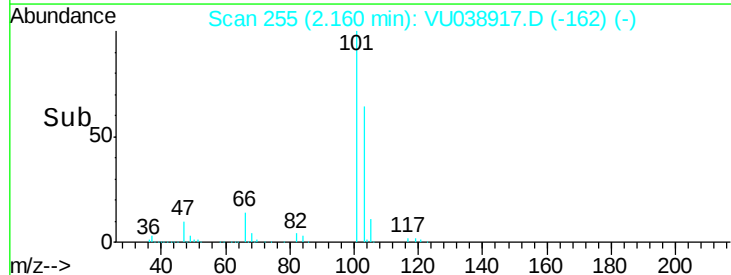
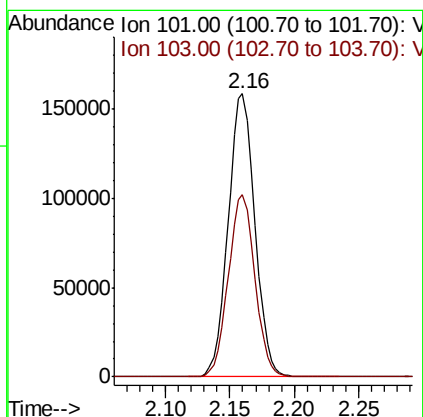
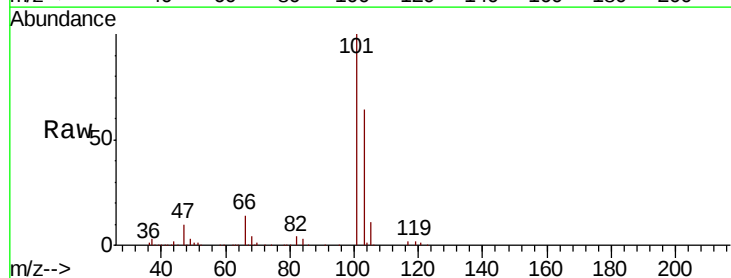
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

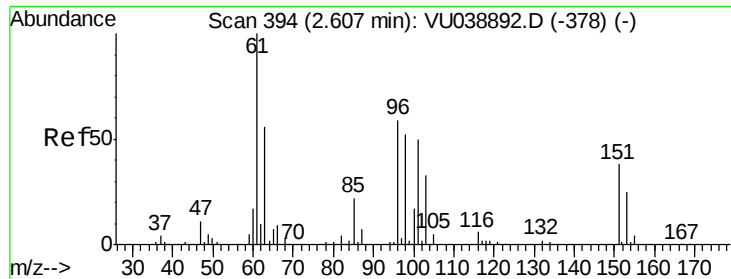
Tot Ion: 64 Resp: 93011
Ion Ratio Lower Upper
64 100
66 32.5 22.6 42.0



#9
Trichlorofluoromethane
Concen: 4.761 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038917.D
Acq: 16 Jun 2020 11:02

Tgt Ion: 101 Resp: 227571
Ion Ratio Lower Upper
101 100
103 64.2 51.1 76.7





#10

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

Concen: 4.906 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

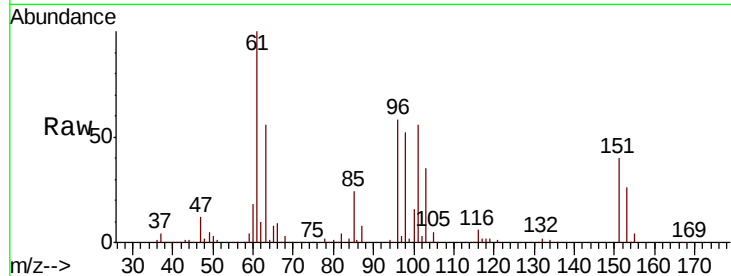
Tot Ion:101 Resp: 116303

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

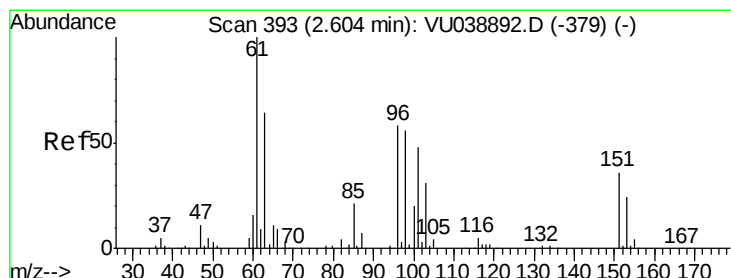
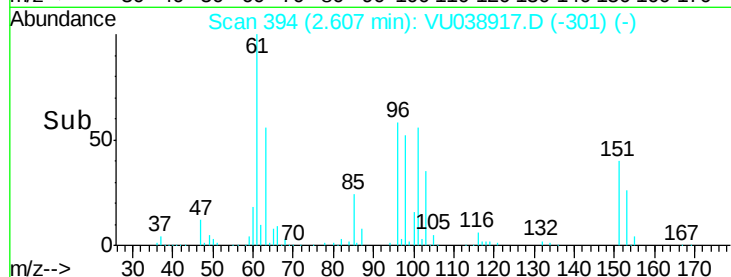
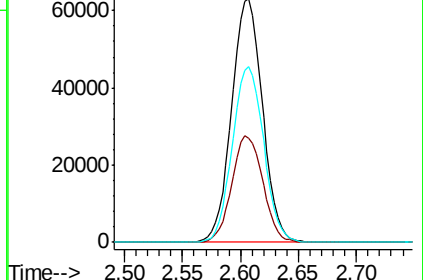
151 73.3 57.4 86.2



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: 4.765 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

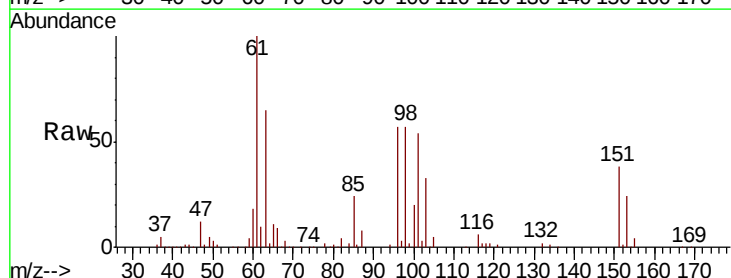
Tgt Ion: 96 Resp: 108173

Ion Ratio Lower Upper

96 100

61 176.8 124.9 232.1

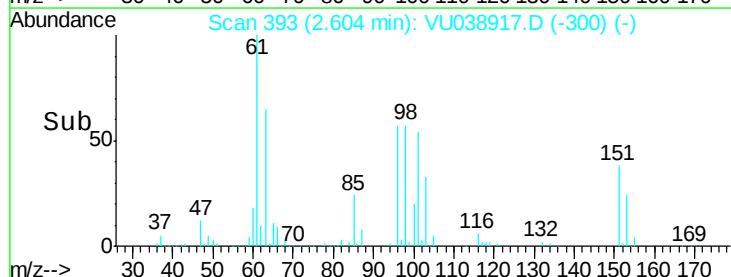
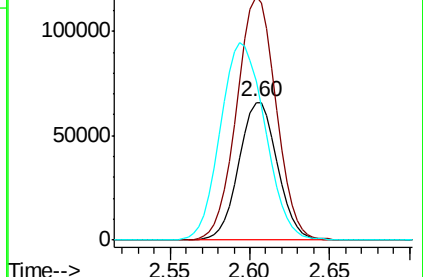
63 115.6 79.1 146.9

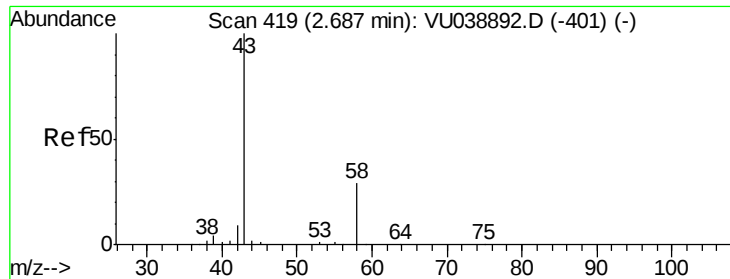


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.672 ug/L

RT: 2.69 min Scan# 420

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

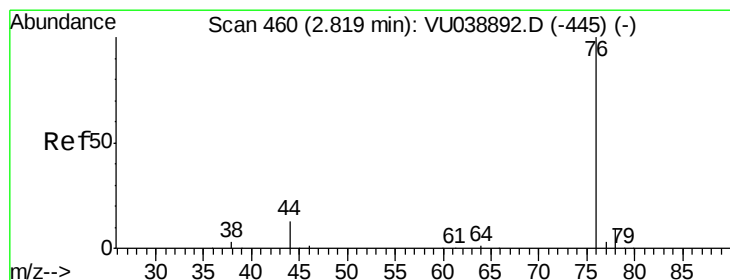
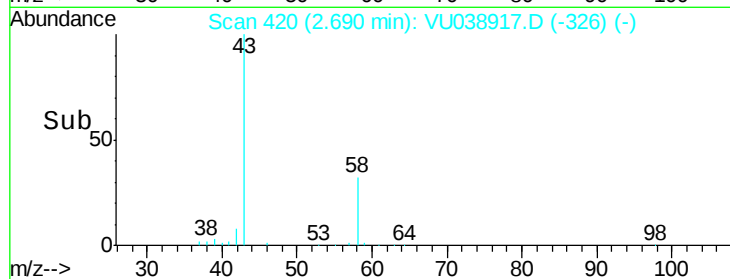
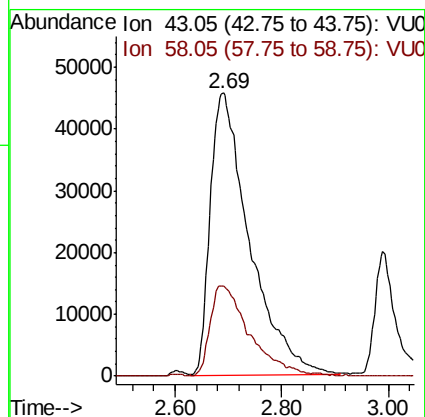
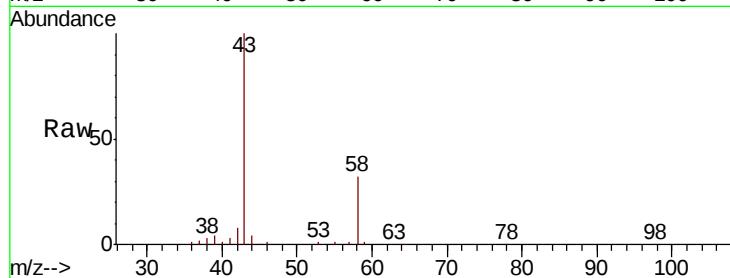
VSTD00526

Tot Ion: 43 Resp: 235509

Ion Ratio Lower Upper

43 100

58 30.8 0.0 65.6



#14

Carbon disulfide

Concen: 4.749 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038917.D

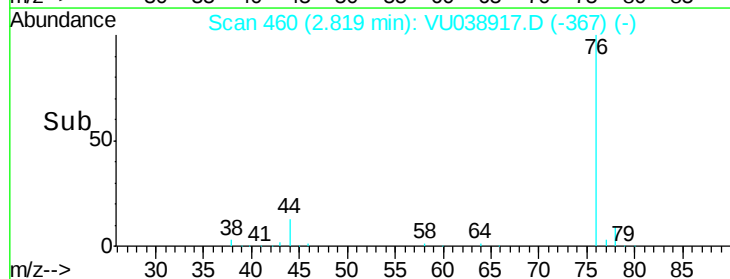
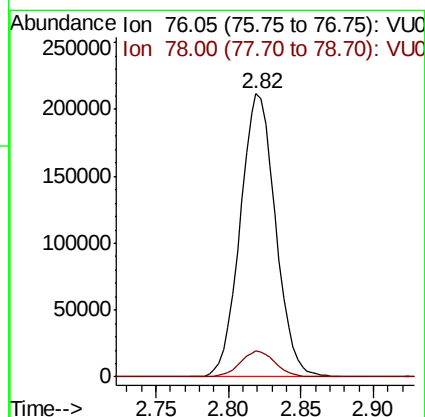
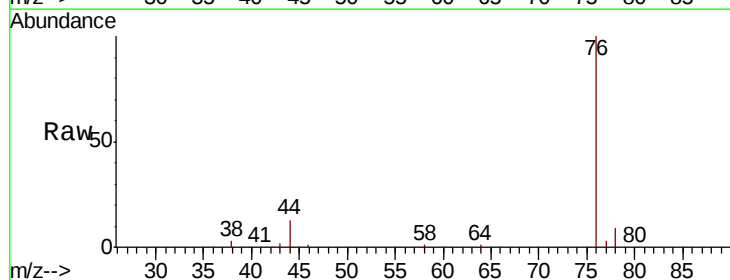
Acq: 16 Jun 2020 11:02

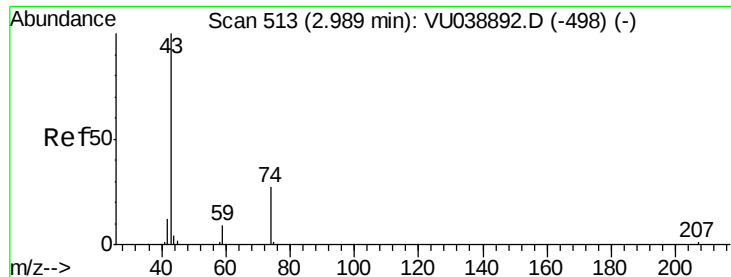
Tgt Ion: 76 Resp: 357966

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7





#15

Methvl Acetate

Concen: 4.368 ug/L

RT: 2.99 min Scan# 513

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

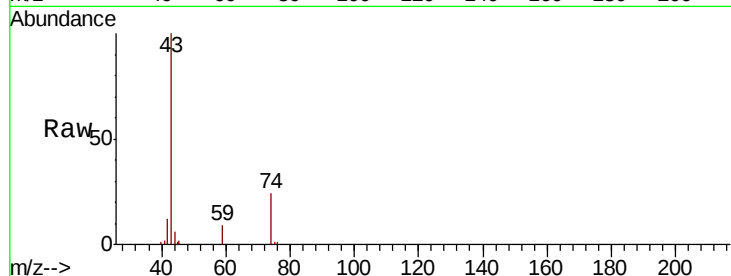
VSTD00526

Tot Ion: 43 Resp: 50526

Ion Ratio Lower Upper

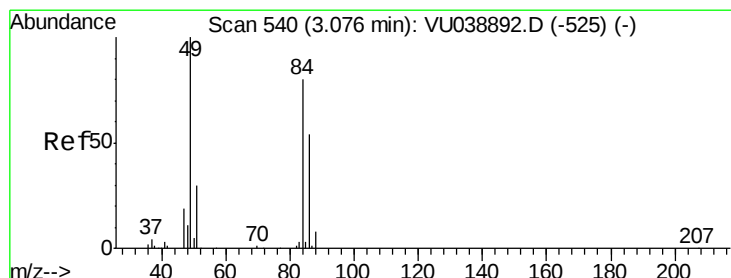
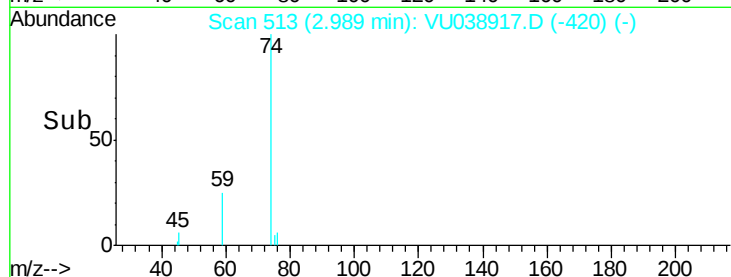
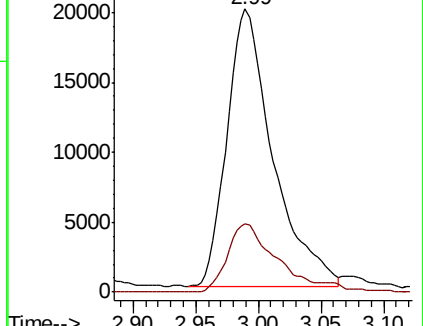
43 100

74 27.5 19.7 29.5



Abundance Ion 43.05 (42.75 to 43.75): VU038892.D (-498) (-)

Ion 74.05 (73.75 to 74.75): VU038892.D (-498) (-)



#16

Methylene chloride

Concen: 4.604 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

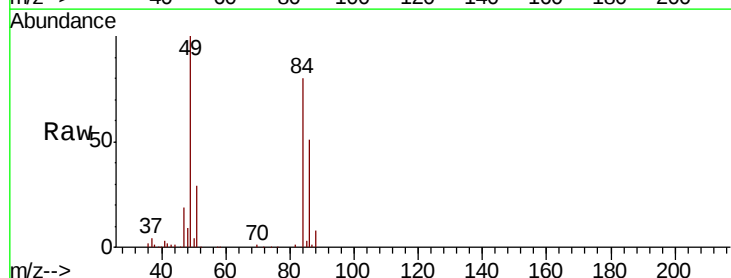
Tgt Ion: 84 Resp: 120174

Ion Ratio Lower Upper

84 100

86 63.3 47.9 89.1

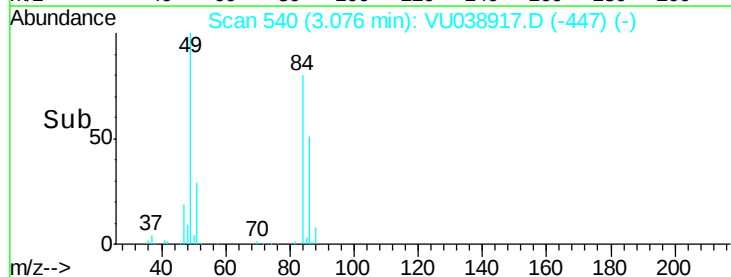
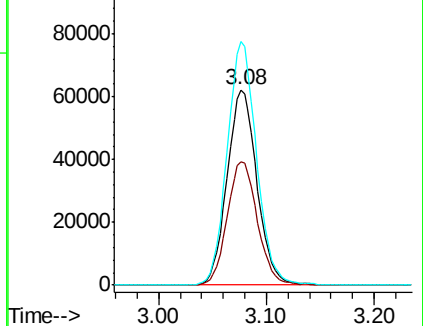
49 124.6 88.4 164.2

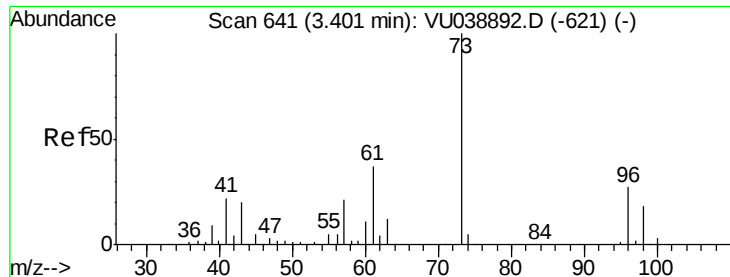


Abundance Ion 84.05 (83.75 to 84.75): VU038892.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038892.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038892.D (-525) (-)

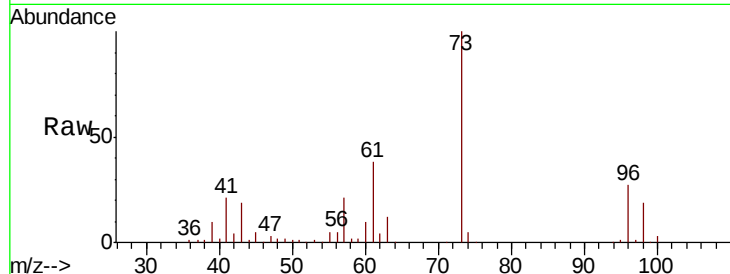




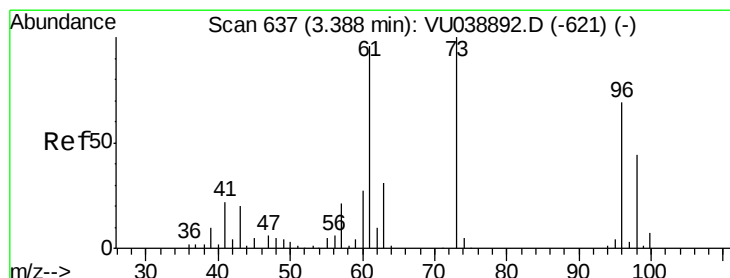
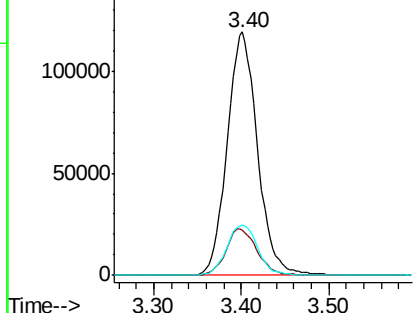
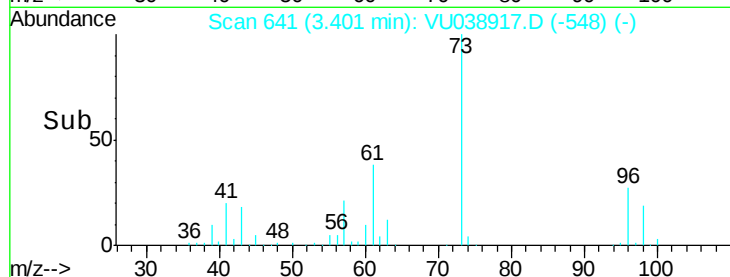
#17
Methvl tert-butvl Ether
Concen: 4.951 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038917.D
Acq: 16 Jun 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion: 73 Resp: 286835
Ion Ratio Lower Upper
73 100
43 19.7 16.6 24.8
57 21.4 17.5 26.3

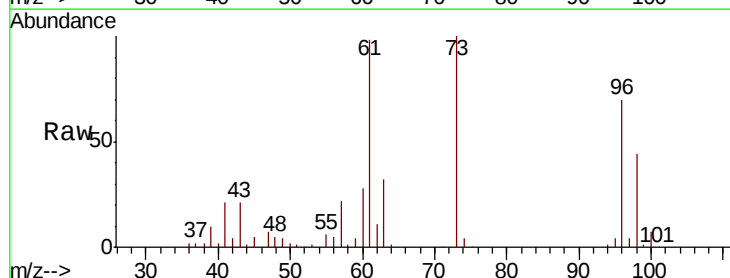


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

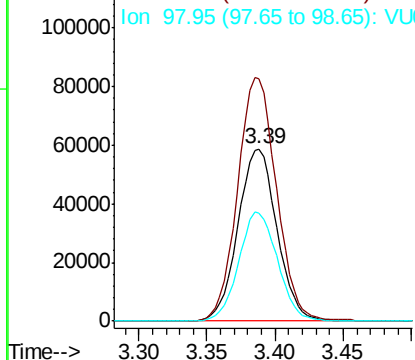
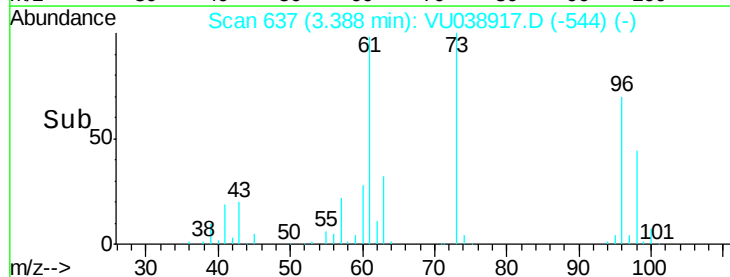


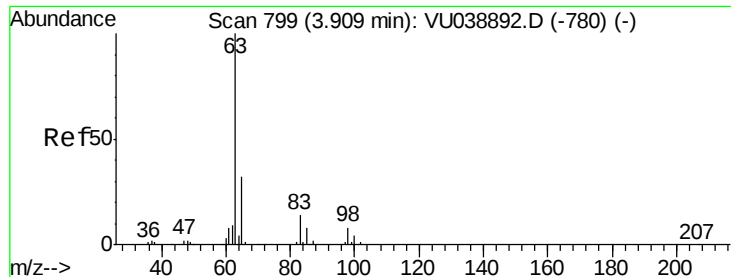
#18
trans-1,2-Dichloroethene
Concen: 4.848 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038917.D
Acq: 16 Jun 2020 11:02

Tgt Ion: 96 Resp: 116611
Ion Ratio Lower Upper
96 100
61 140.8 97.6 181.4
98 62.7 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: 4.819 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

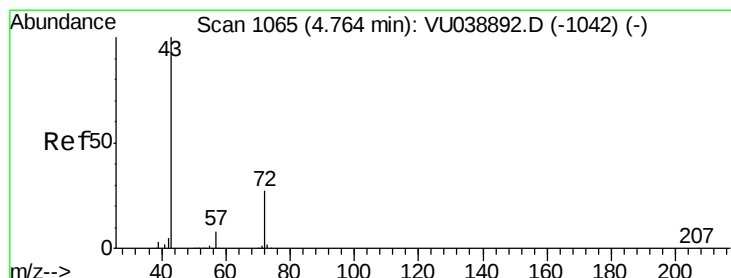
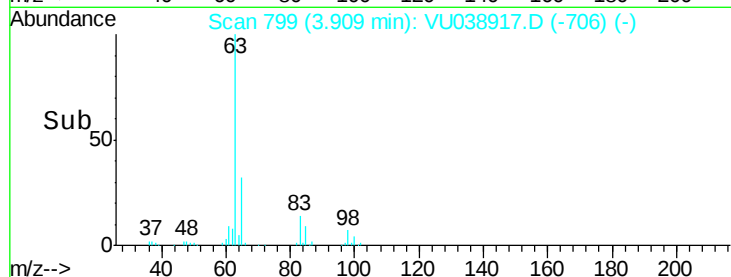
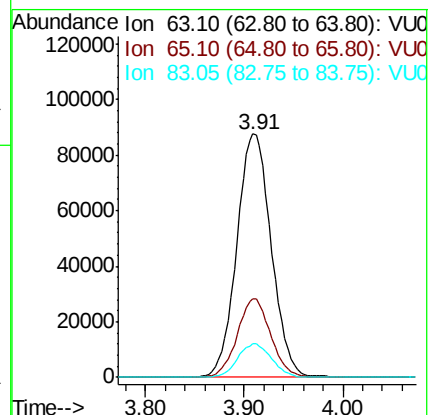
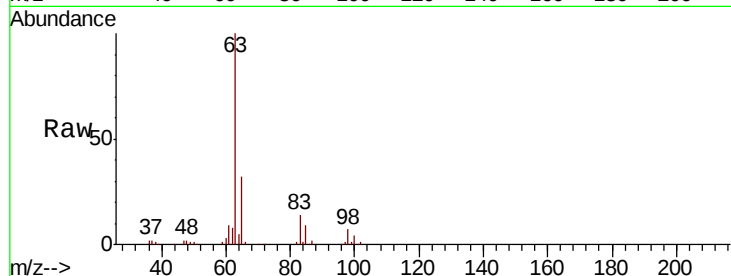
Tot Ion: 63 Resp: 212487

Ion Ratio Lower Upper

63 100

65 32.4 21.3 39.6

83 13.7 9.5 17.7



#21

2-Butanone

Concen: 47.773 ug/L

RT: 4.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VU038917.D

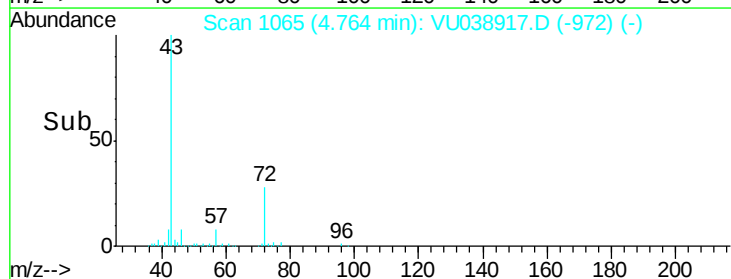
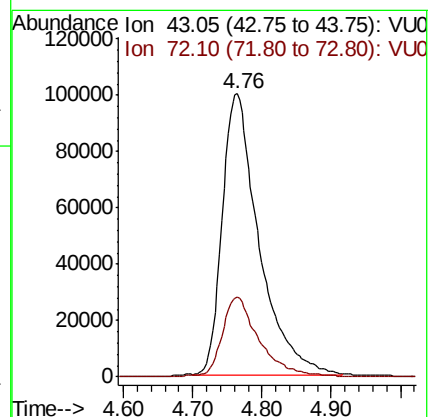
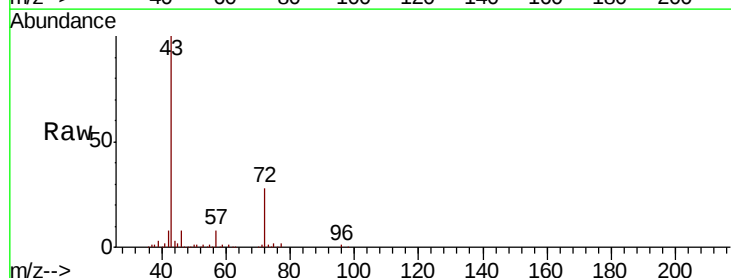
Acq: 16 Jun 2020 11:02

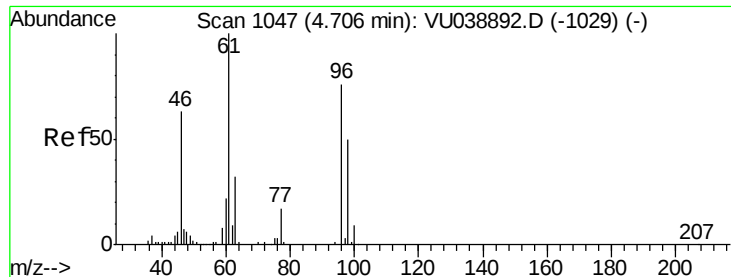
Tgt Ion: 43 Resp: 368210

Ion Ratio Lower Upper

43 100

72 28.8 14.0 41.9





#22

cis-1,2-Dichloroethene

Concen: 4.818 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

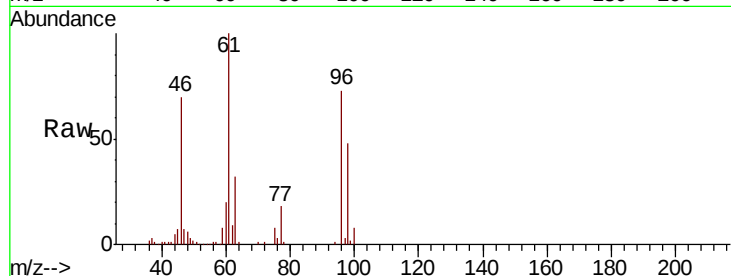
Tot Ion: 96 Resp: 121183

Ion Ratio Lower Upper

96 100

61 136.5 90.5 168.1

68 0.0 0.0 0.0

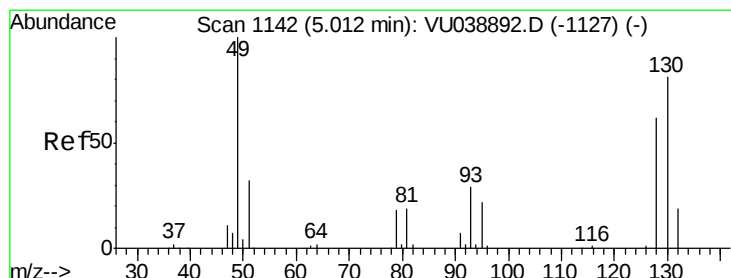
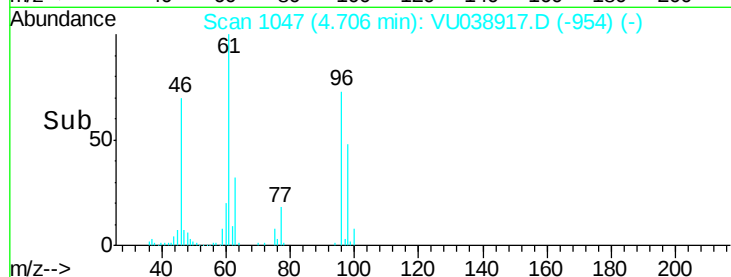
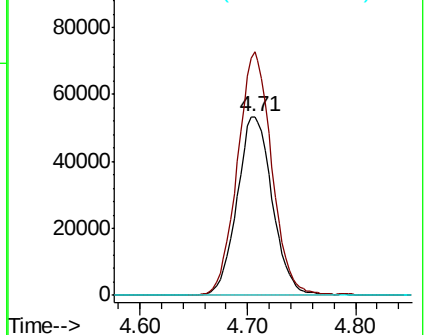


Abundance

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: 4.716 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

Tgt Ion: 128 Resp: 56160

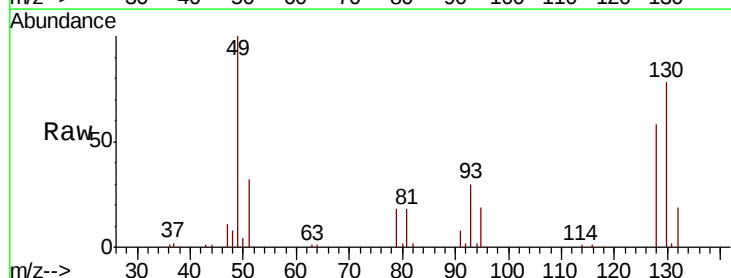
Ion Ratio Lower Upper

128 100

49 171.8 114.8 213.2

130 133.5 91.7 170.3

51 54.2 42.7 64.1



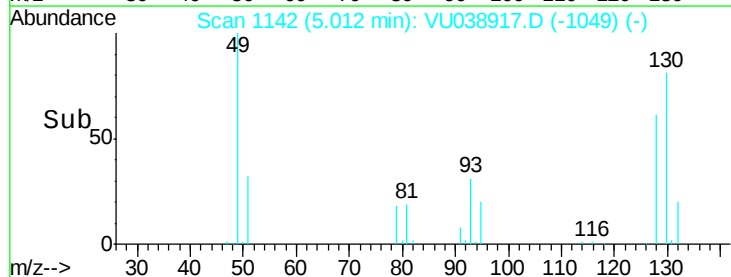
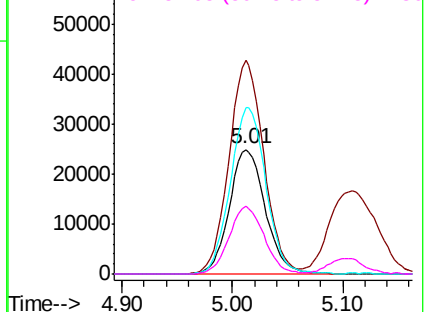
Abundance

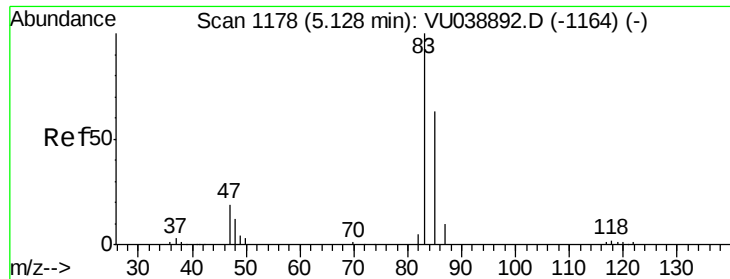
Ion 127.90 (127.60 to 128.60): V

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

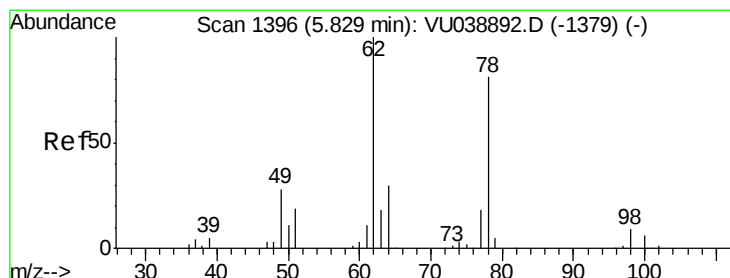
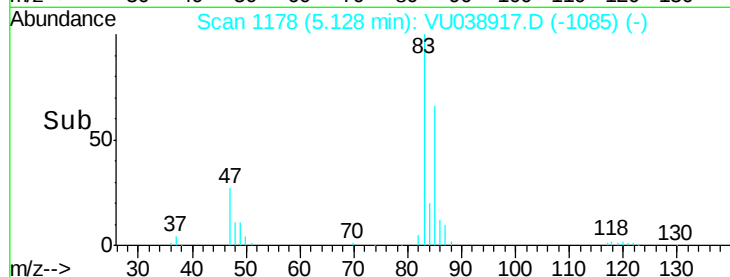
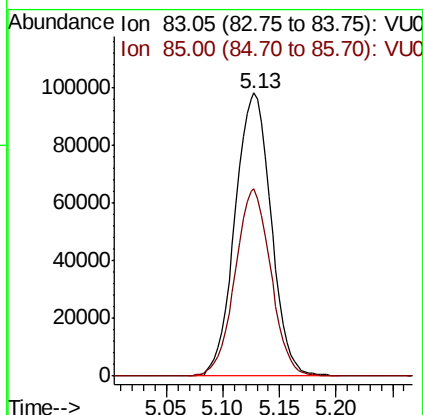
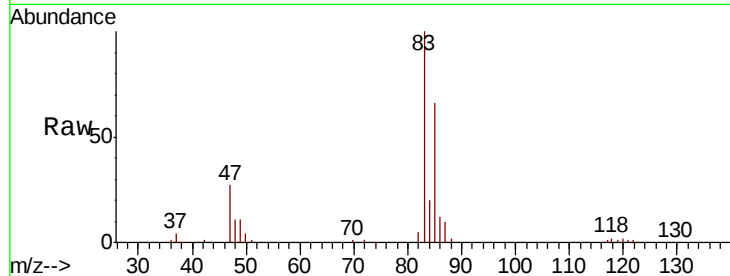




#25
Chloroform
Concen: 4.747 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038917.D
Acq: 16 Jun 2020 11:02

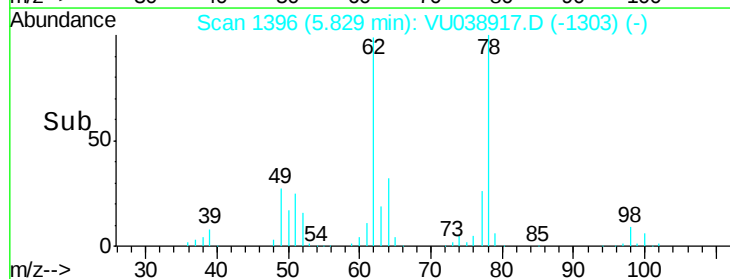
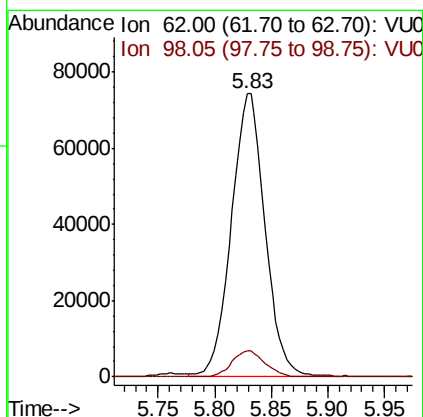
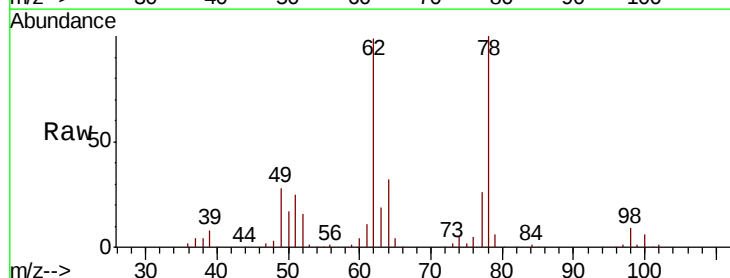
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

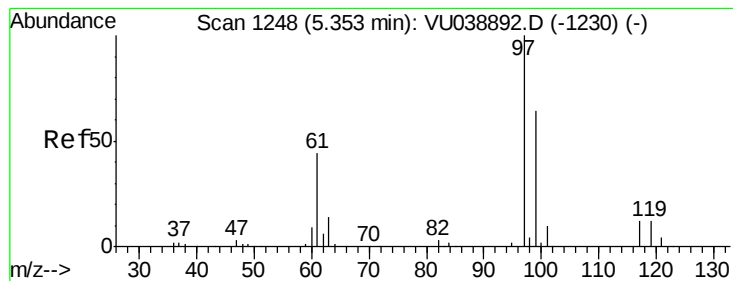
Tot Ion: 83 Resp: 218134
Ion Ratio Lower Upper
83 100
85 66.0 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.670 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038917.D
Acq: 16 Jun 2020 11:02

Tgt Ion: 62 Resp: 152321
Ion Ratio Lower Upper
62 100
98 9.5 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 4.769 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

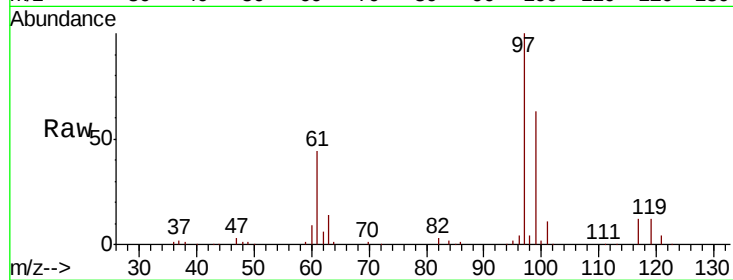
Tot Ion: 97 Resp: 195197

Ion Ratio Lower Upper

97 100

99 63.0 51.4 77.2

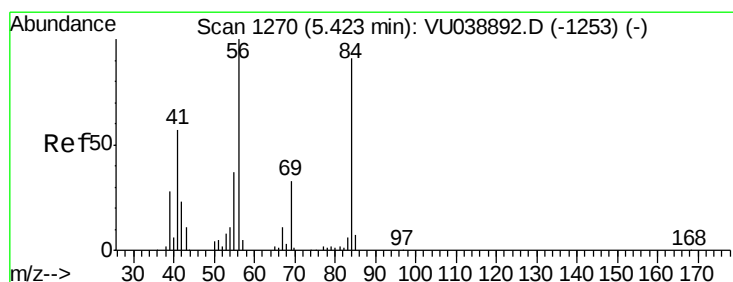
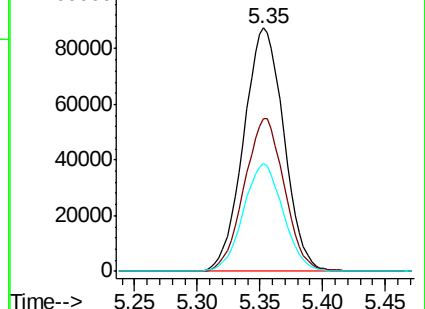
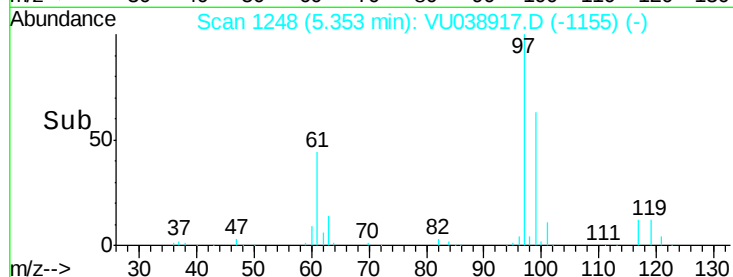
61 43.7 36.3 54.5



Abundance Ion 96.95 (96.65 to 97.65): VU038917.D (-1155) (-)

Ion 99.05 (98.75 to 99.75): VU038917.D (-1155) (-)

Ion 61.05 (60.75 to 61.75): VU038917.D (-1155) (-)



#30

Cyclohexane

Concen: 5.038 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

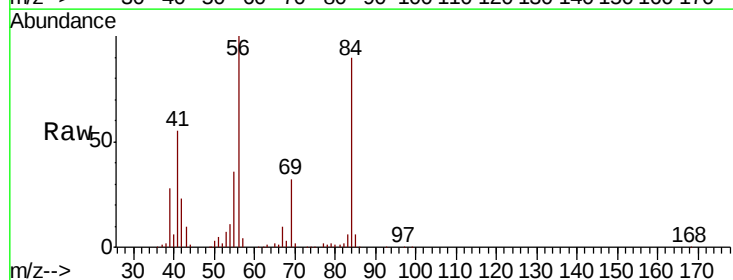
Tgt Ion: 56 Resp: 185771

Ion Ratio Lower Upper

56 100

69 31.6 25.4 38.2

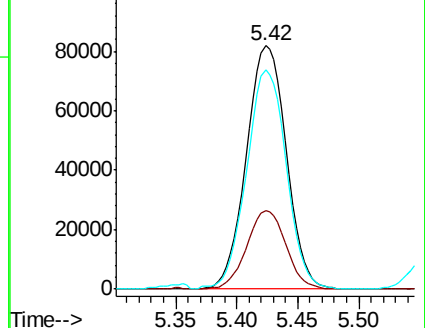
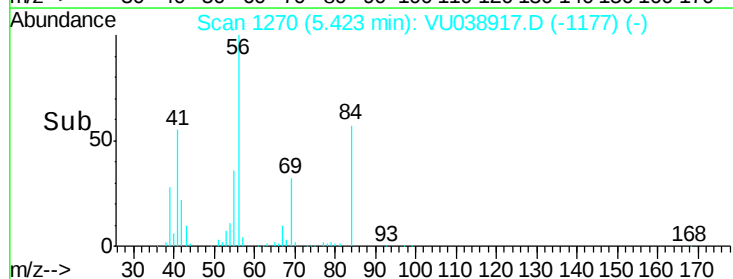
84 89.7 72.1 108.1

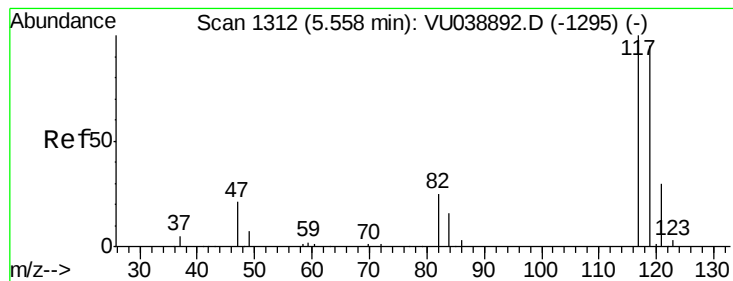


Abundance Ion 56.10 (55.80 to 56.80): VU038917.D (-1177) (-)

Ion 69.15 (68.85 to 69.85): VU038917.D (-1177) (-)

Ion 84.15 (83.85 to 84.85): VU038917.D (-1177) (-)





#31

Carbon tetrachloride

Concen: 4.735 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

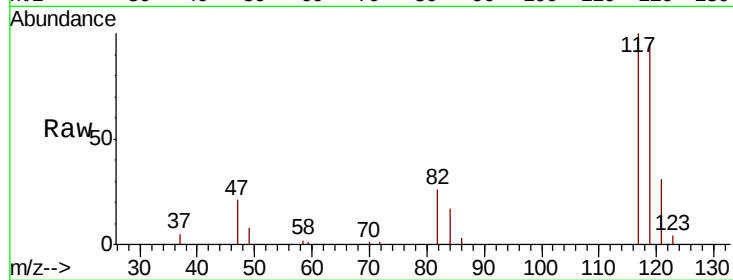
VSTD00526

Tot Ion:117 Resp: 164964

Ion Ratio Lower Upper

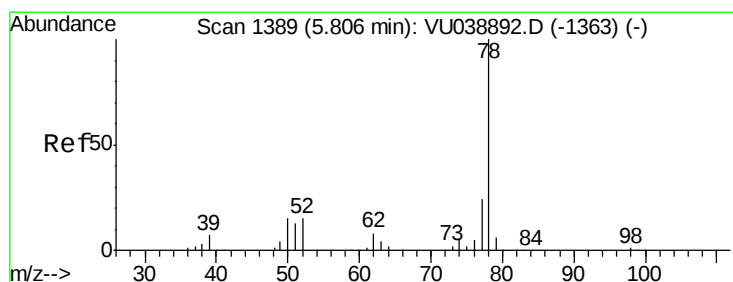
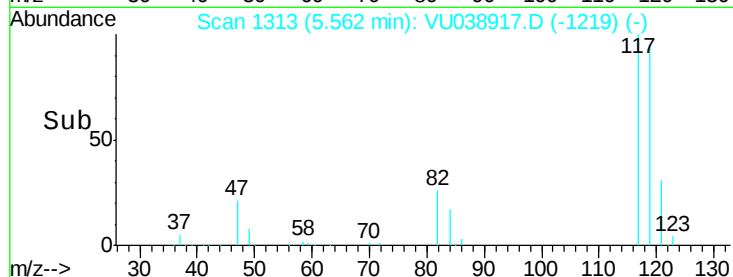
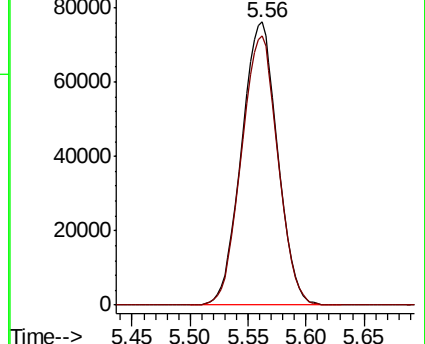
117 100

119 96.2 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.770 ug/L

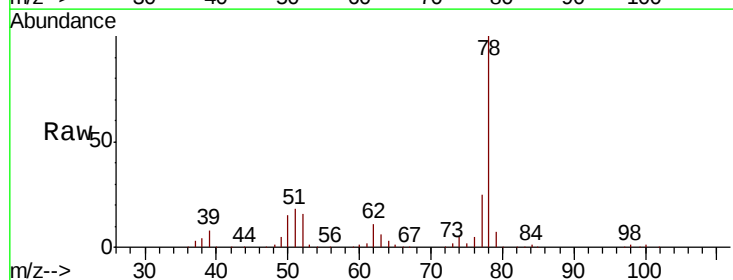
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

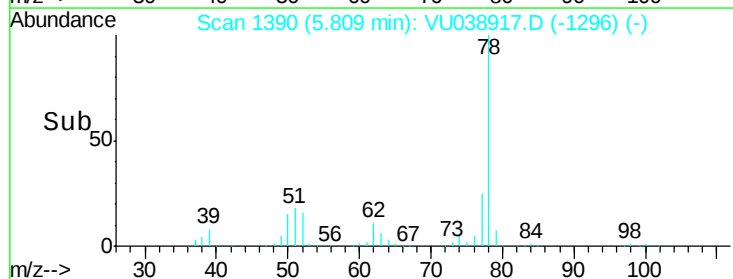
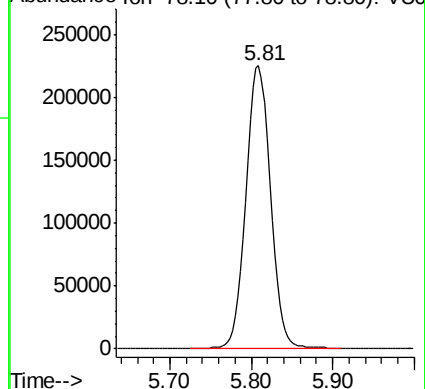
Lab File: VU038917.D

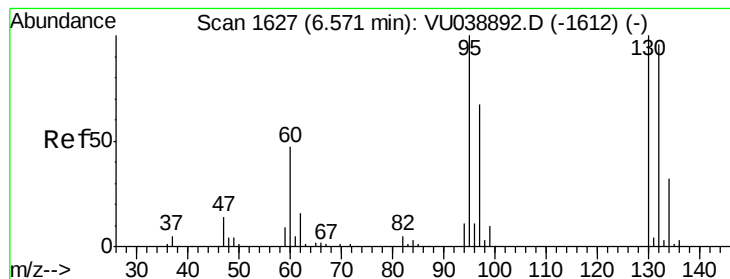
Acq: 16 Jun 2020 11:02

Tgt Ion: 78 Resp: 468145



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.787 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tot Ion: 95 Resp: 122687

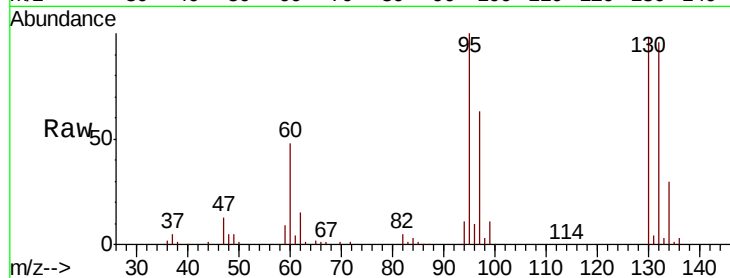
Ion Ratio Lower Upper

95 100

97 62.8 46.1 85.5

132 95.9 68.2 126.6

130 98.0 71.0 131.9



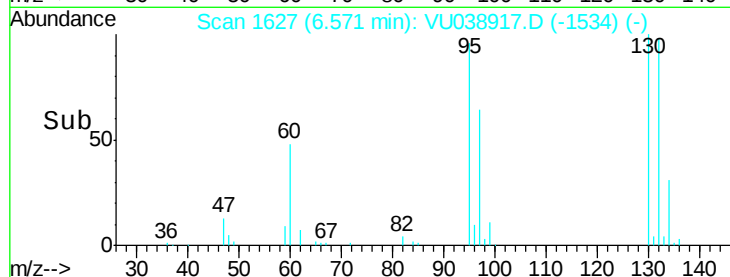
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



Abundance

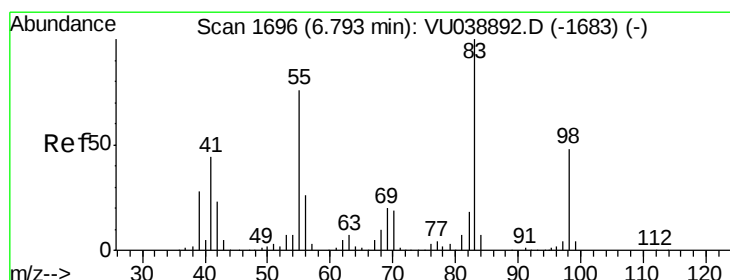
Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



#35

Methylcyclohexane

Concen: 4.851 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

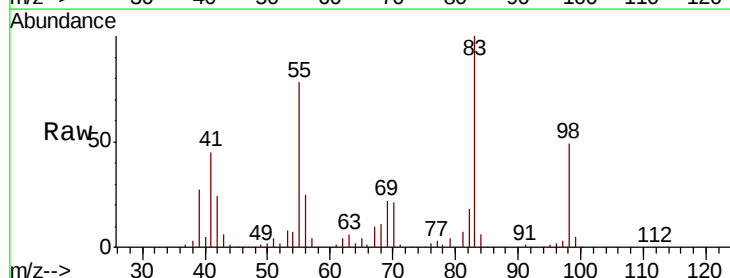
Tgt Ion: 83 Resp: 185206

Ion Ratio Lower Upper

83 100

55 79.7 63.6 95.4

98 50.1 38.9 58.3

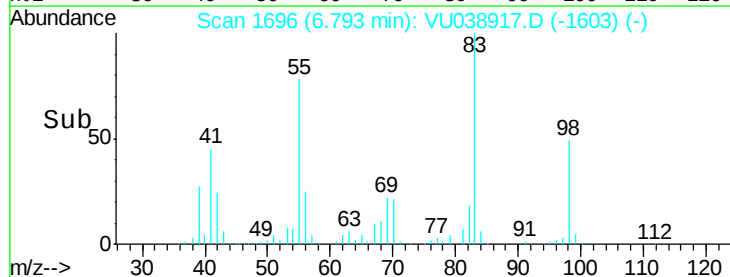


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

Time-->



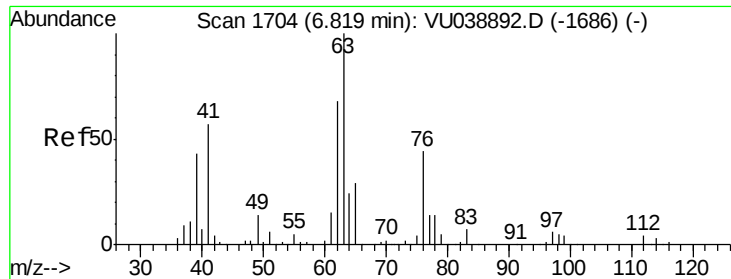
Abundance

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

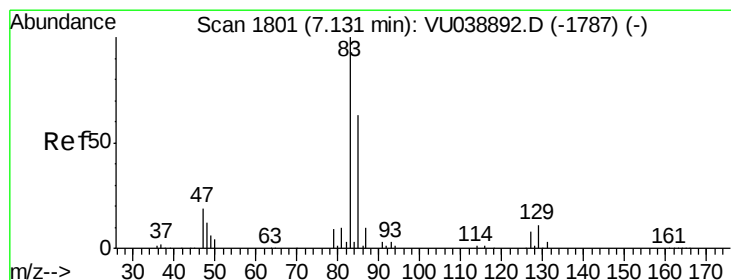
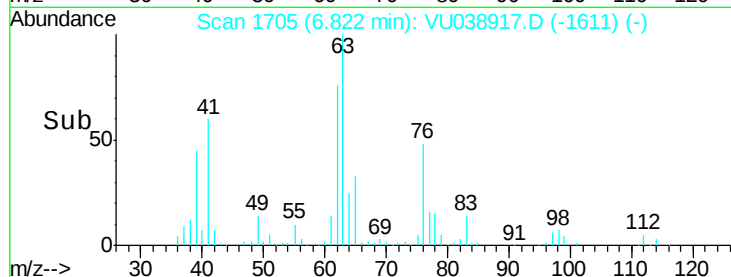
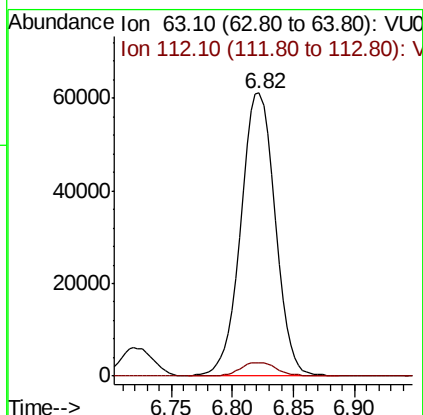
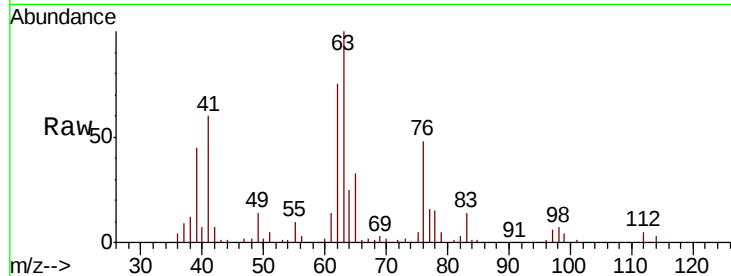
Time-->



#37
 1,2-Dichloropropane
 Concen: 4.674 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038917.D
 Acq: 16 Jun 2020 11:02

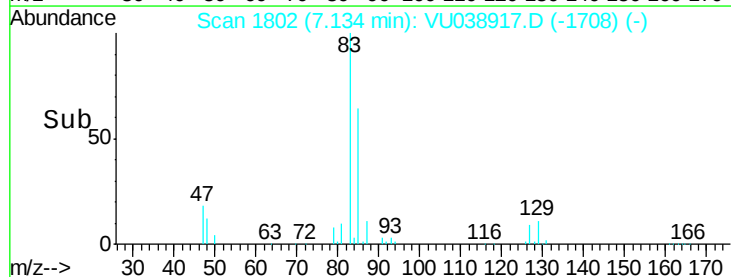
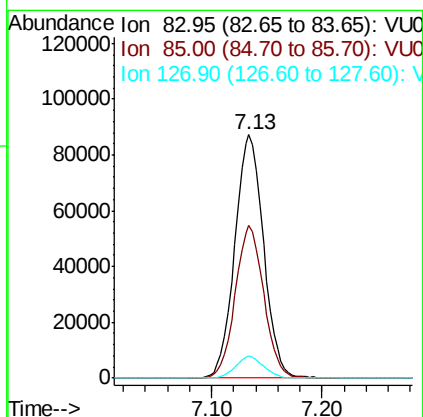
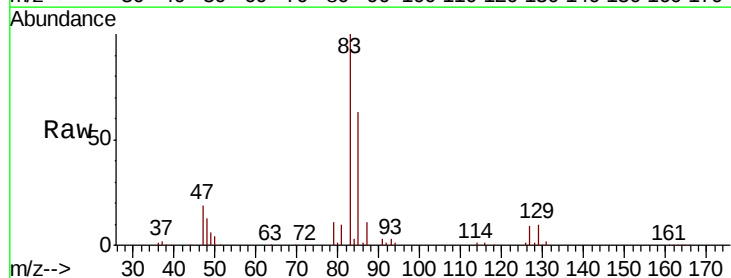
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

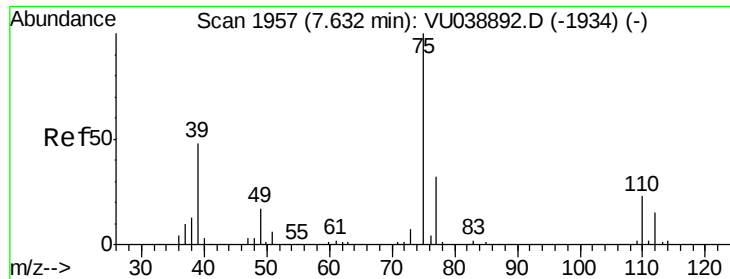
Tot Ion: 63 Resp: 118385
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.8



#38
 Bromodichloromethane
 Concen: 4.729 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038917.D
 Acq: 16 Jun 2020 11:02

Tgt Ion: 83 Resp: 157486
 Ion Ratio Lower Upper
 83 100
 85 62.5 44.8 83.2
 127 8.9 6.3 9.5

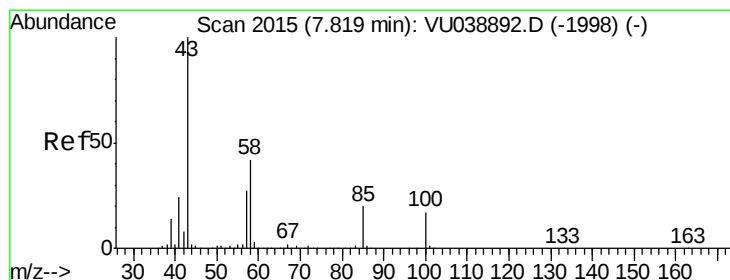
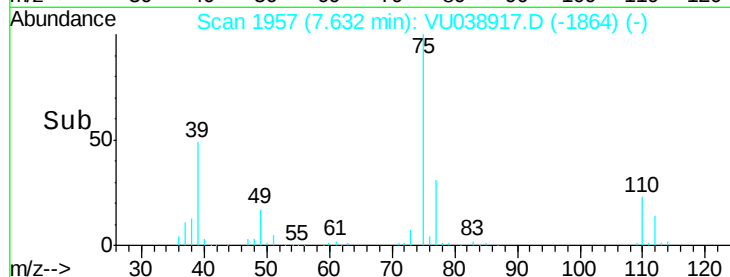
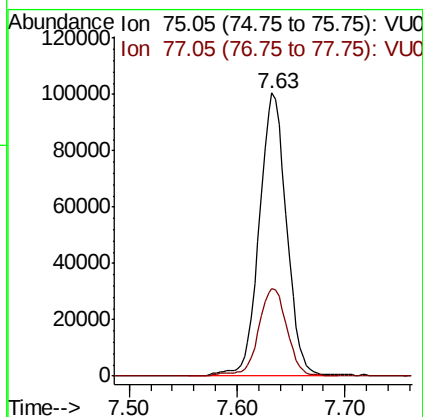
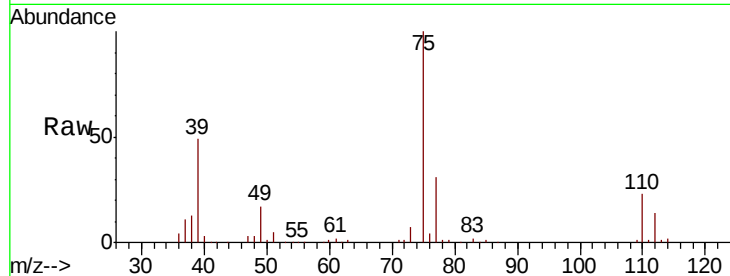




#39
 cis-1,3-Dichloropropene
 Concen: 4.880 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038917.D
 Acq: 16 Jun 2020 11:02

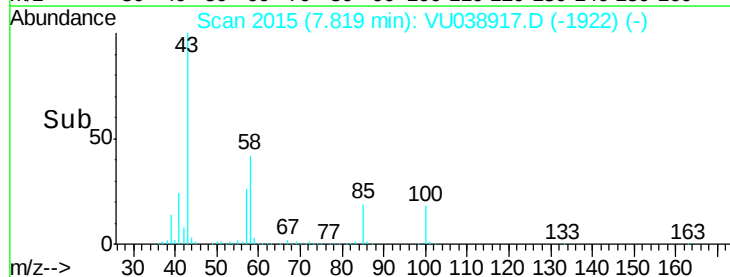
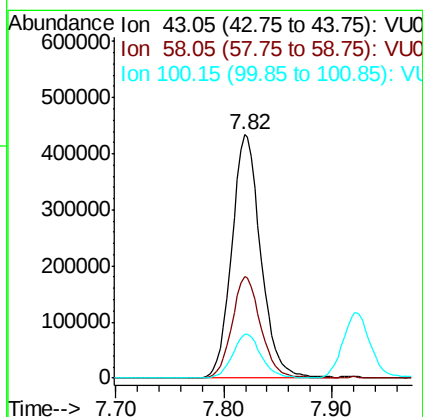
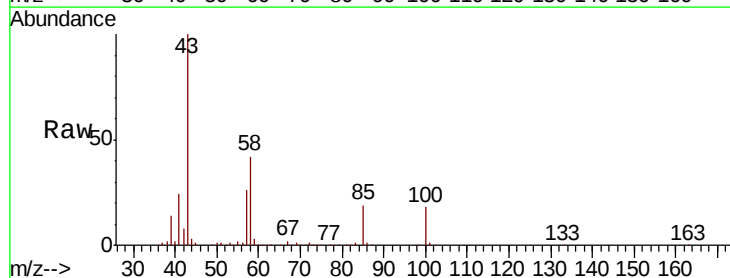
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00526

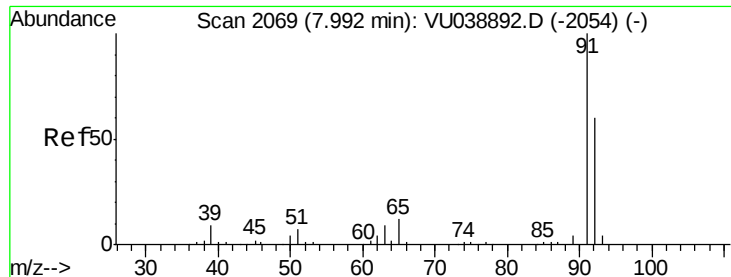
Tot Ion: 75 Resp: 176750
 Ion Ratio Lower Upper
 75 100
 77 31.0 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 47.113 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038917.D
 Acq: 16 Jun 2020 11:02

Tgt Ion: 43 Resp: 813911
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.6 49.0
 100 17.8 13.8 20.6





#42

Toluene

Concen: 4.943 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

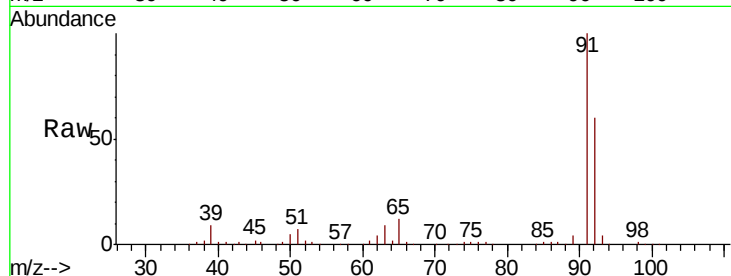
VSTD00526

Tot Ion: 91 Resp: 511341

Ion Ratio Lower Upper

91 100

92 60.3 41.5 77.1



Abundance Ion 91.15 (90.85 to 91.85): VU038892.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038892.D (-2054) (-)

7.99

300000

250000

200000

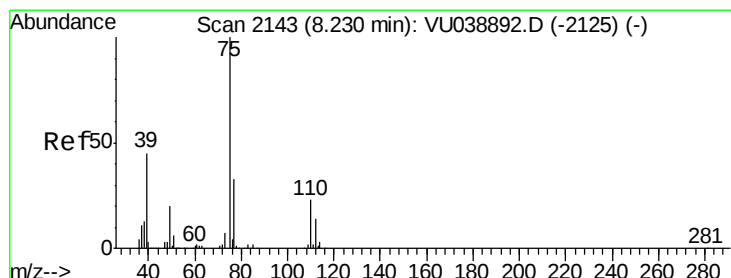
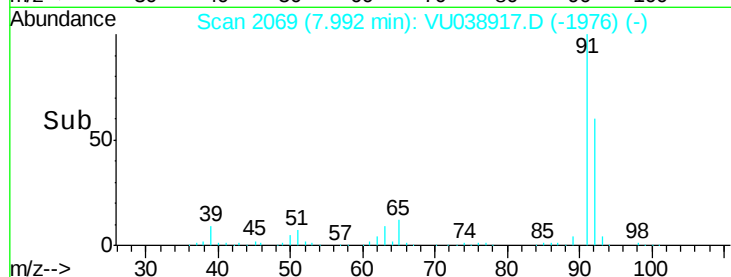
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.945 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038917.D

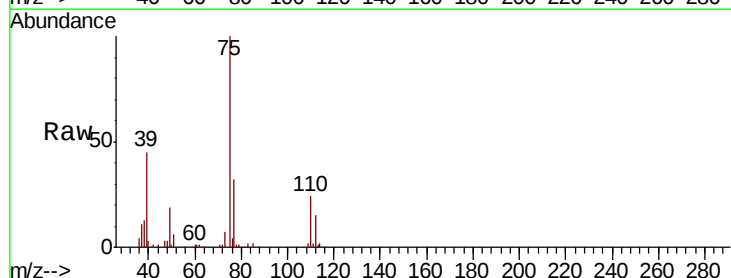
Acq: 16 Jun 2020 11:02

Tgt Ion: 75 Resp: 163811

Ion Ratio Lower Upper

75 100

77 32.2 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU038892.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038892.D (-2125) (-)

8.23

100000

80000

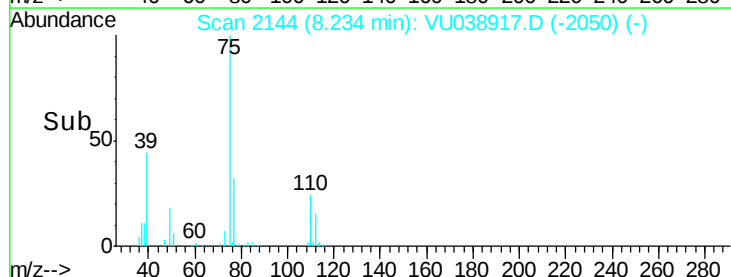
60000

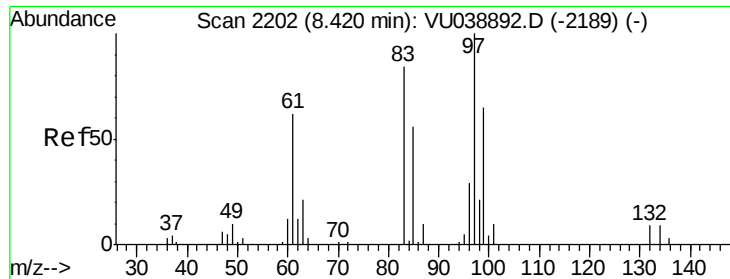
40000

20000

0

Time-->

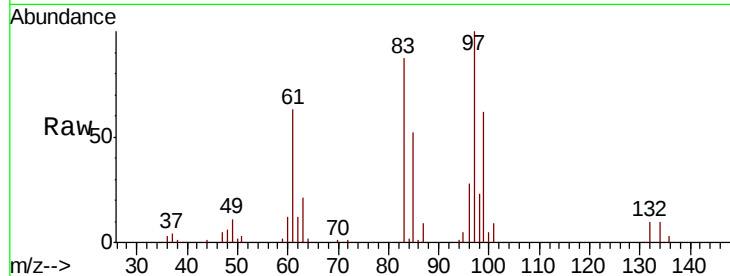




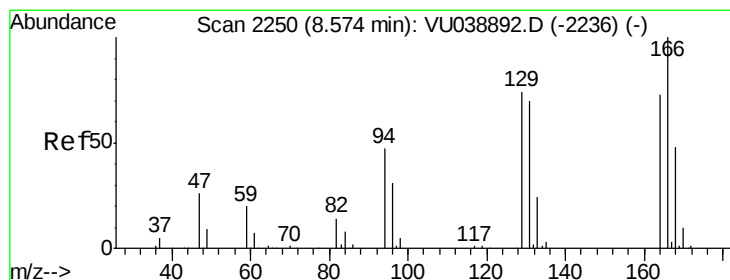
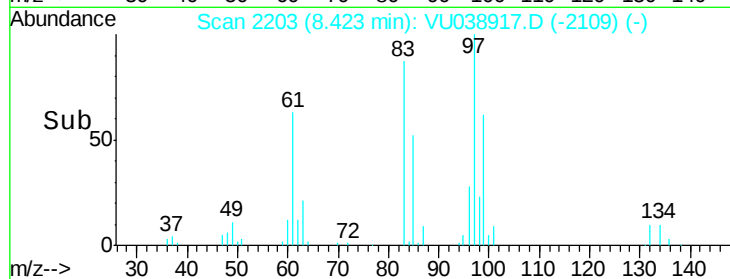
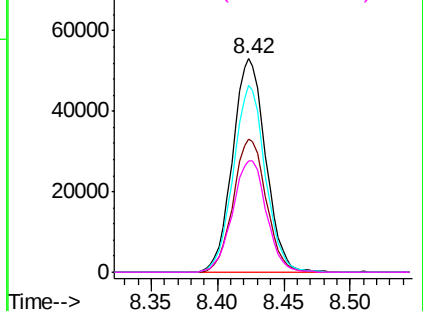
#45
1,1,2-Trichloroethane
Concen: 4.746 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU038917.D
Acq: 16 Jun 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:	97	Resp:	91883
Ion	Ratio	Lower	Upper
97	100		
99	62.2	45.4	84.2
83	87.4	60.6	112.6
85	52.1	39.0	72.4

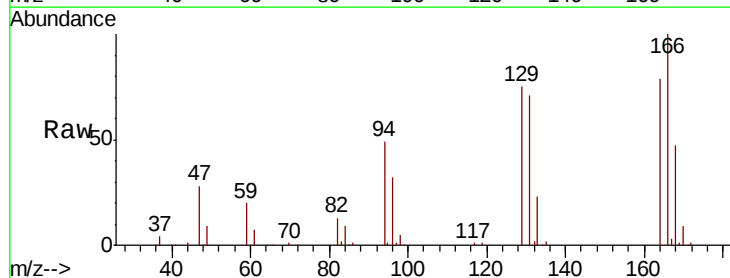


Abundance Ion 96.95 (96.65 to 97.65): VU038917.D (-2109) (-)

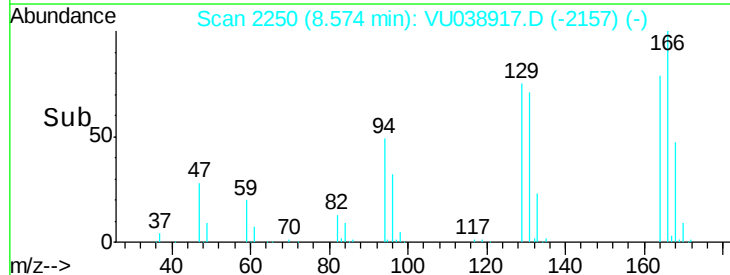
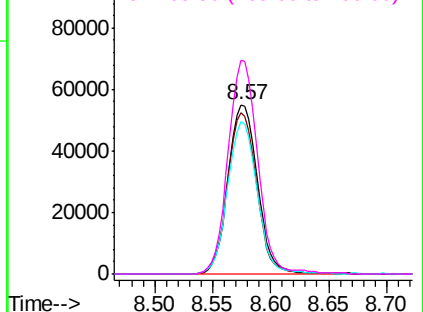


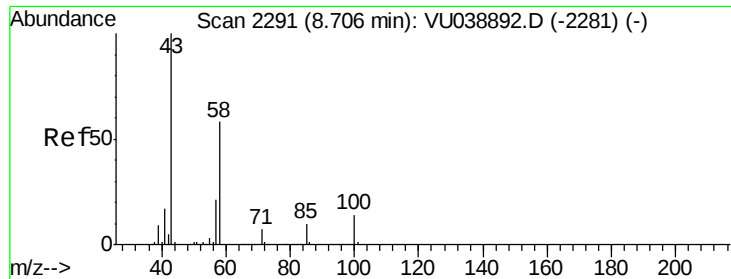
#47
Tetrachloroethene
Concen: 4.963 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU038917.D
Acq: 16 Jun 2020 11:02

Tgt Ion:	164	Resp:	97489
Ion	Ratio	Lower	Upper
164	100		
129	94.8	65.5	121.7
131	89.5	63.9	118.7
166	125.9	87.9	163.3



Abundance Ion 163.90 (163.60 to 164.60): VU038917.D (-2157) (-)

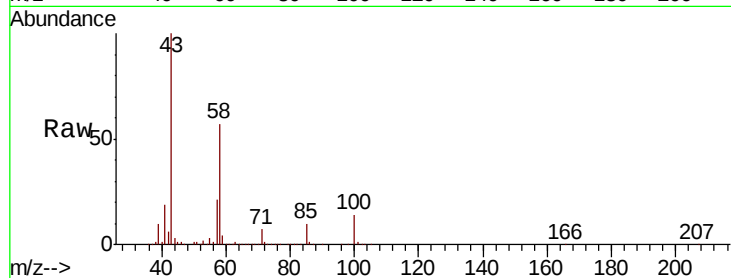




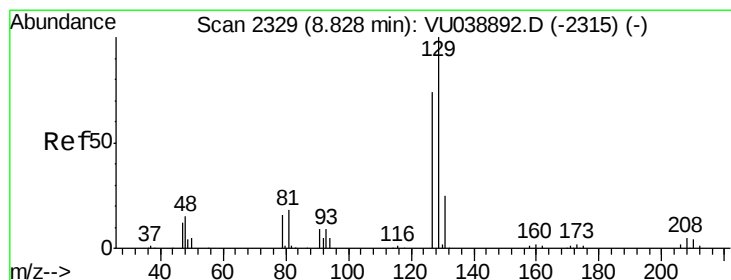
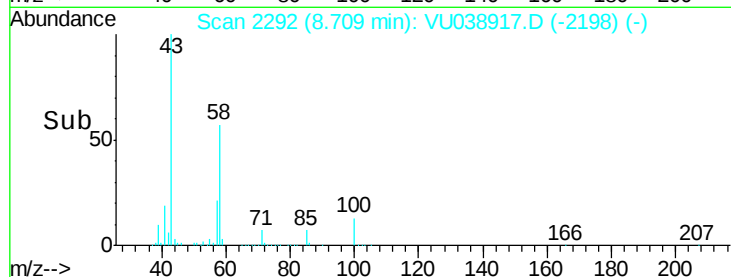
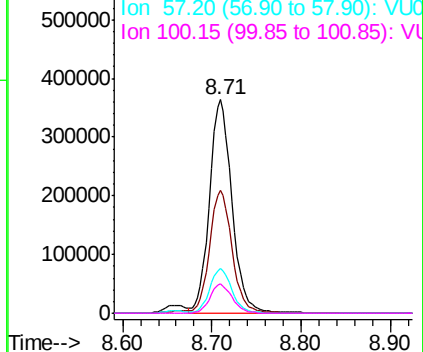
#48
2-Hexanone
Concen: 46.403 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038917.D
Acq: 16 Jun 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion: 43 Resp: 635508
Ion Ratio Lower Upper
43 100
58 58.6 45.4 68.2
57 20.5 16.4 24.6
100 13.2 10.6 15.8

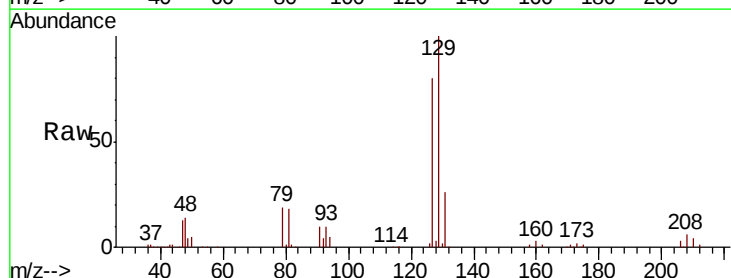


Abundance Ion 43.05 (42.75 to 43.75): VU038892.D (-2281) (-)
Ion 58.05 (57.75 to 58.75): VU038892.D (-2281) (-)
Ion 57.20 (56.90 to 57.90): VU038892.D (-2281) (-)
Ion 100.15 (99.85 to 100.85): VU038892.D (-2281) (-)

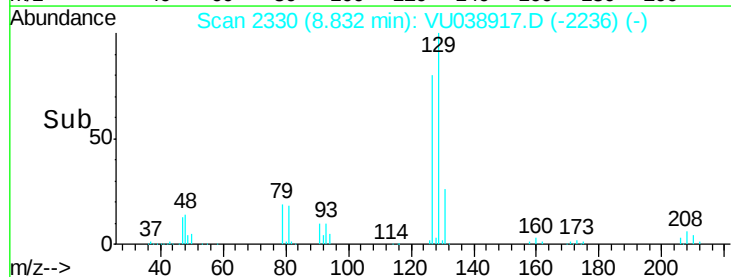
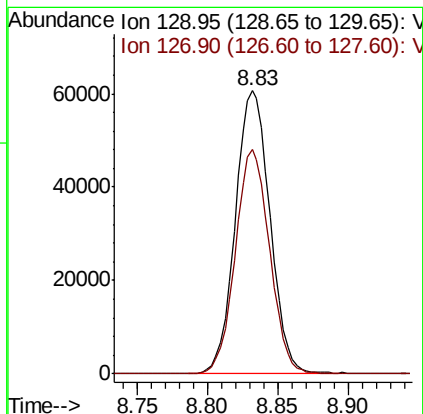


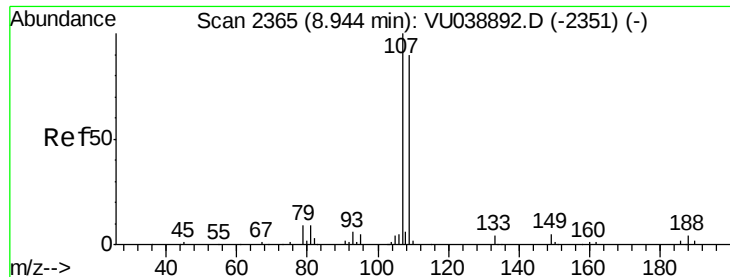
#49
Dibromochloromethane
Concen: 4.657 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038917.D
Acq: 16 Jun 2020 11:02

Tgt Ion: 129 Resp: 104615
Ion Ratio Lower Upper
129 100
127 79.5 56.7 105.3



Abundance Ion 128.95 (128.65 to 129.65): VU038892.D (-2315) (-)
Ion 126.90 (126.60 to 127.60): VU038892.D (-2315) (-)

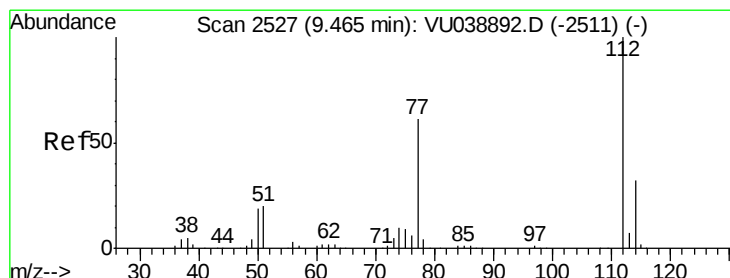
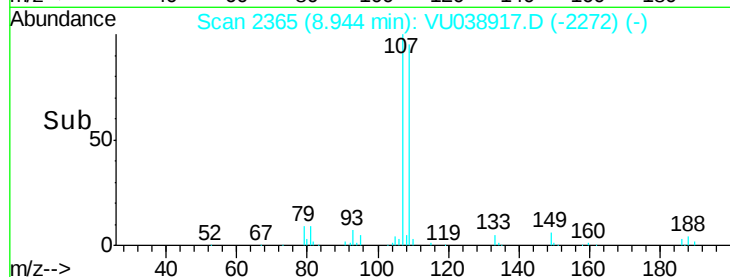
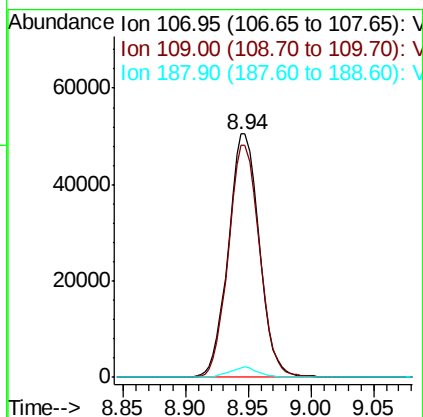
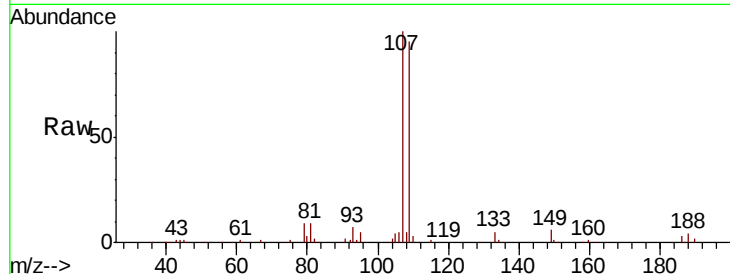




#50
 1,2-Dibromoethane
 Concen: 4.632 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU038917.D
 Acq: 16 Jun 2020 11:02

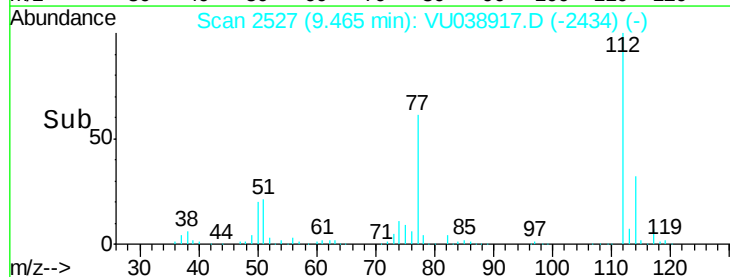
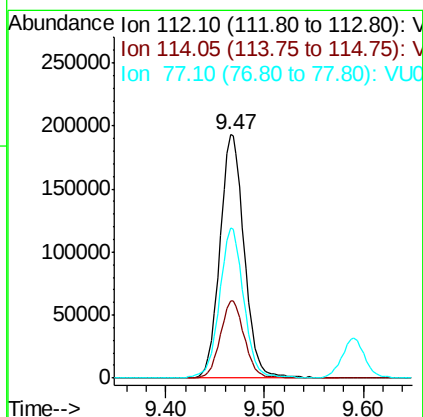
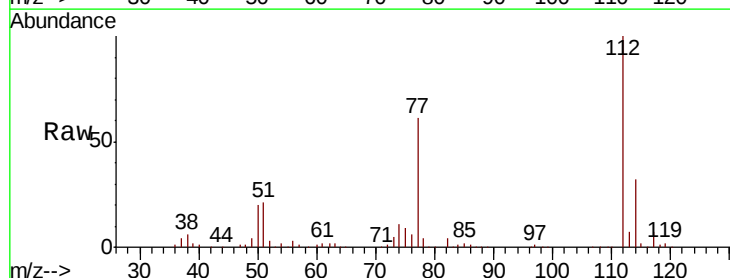
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

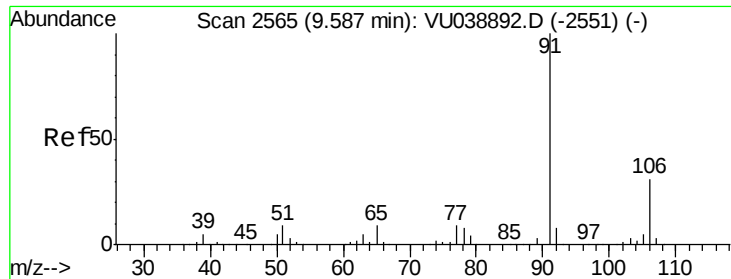
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	67.5	125.4
188	4.0	2.9	4.3



#51
 Chlorobenzene
 Concen: 4.968 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU038917.D
 Acq: 16 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	21.8	40.4
77	61.4	48.3	72.5

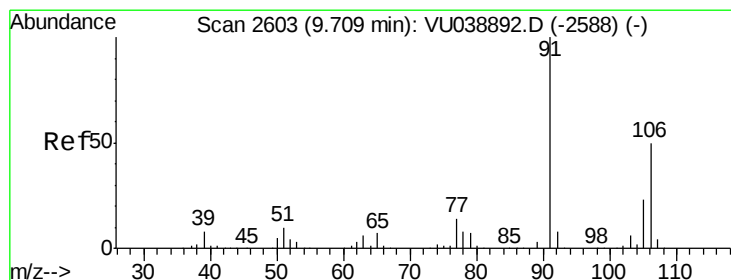
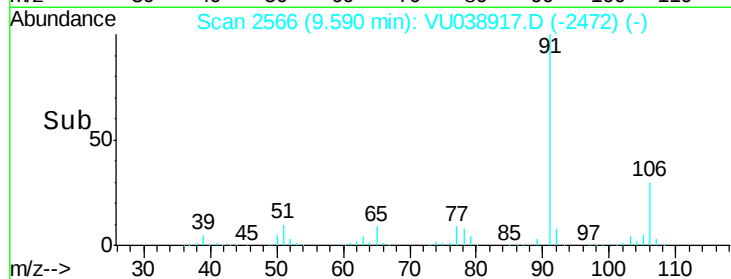
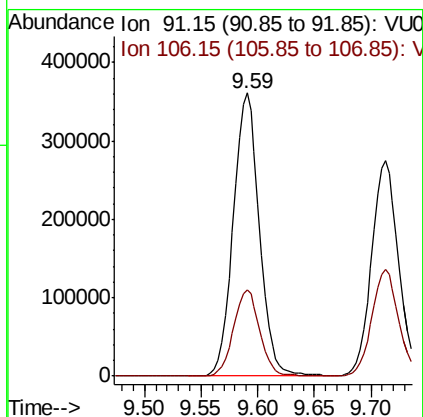
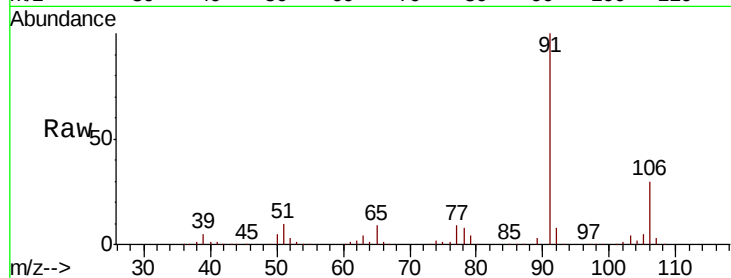




#52
Ethylbenzene
Concen: 5.045 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU038917.D
Acq: 16 Jun 2020 11:02

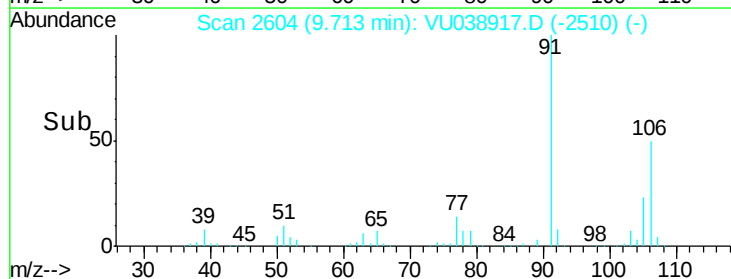
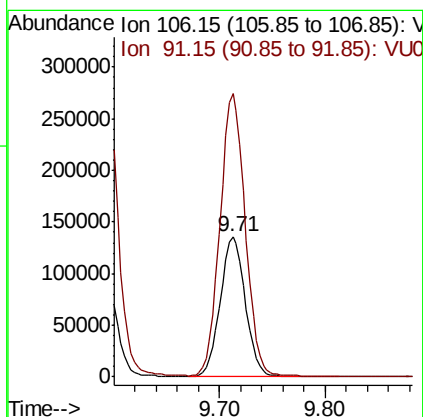
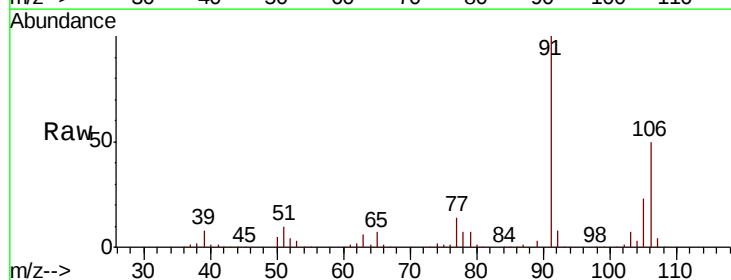
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

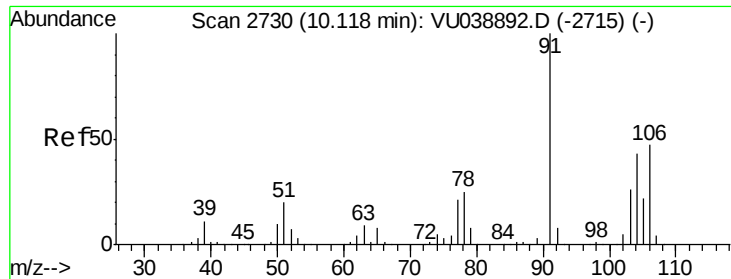
Tot Ion: 91 Resp: 580686
Ion Ratio Lower Upper
91 100
106 30.4 22.0 40.8



#53
m,p-Xylene
Concen: 5.189 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU038917.D
Acq: 16 Jun 2020 11:02

Tgt Ion: 106 Resp: 224430
Ion Ratio Lower Upper
106 100
91 201.5 143.1 265.7

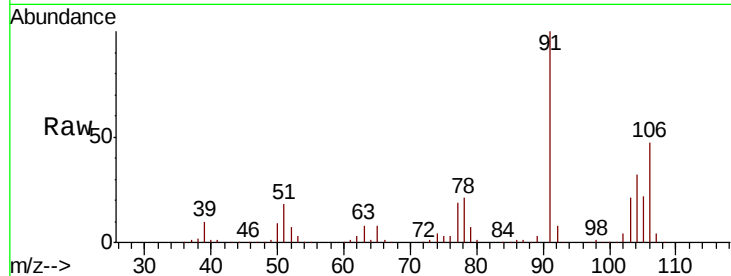




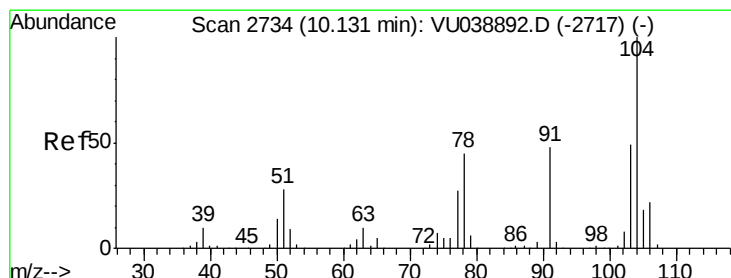
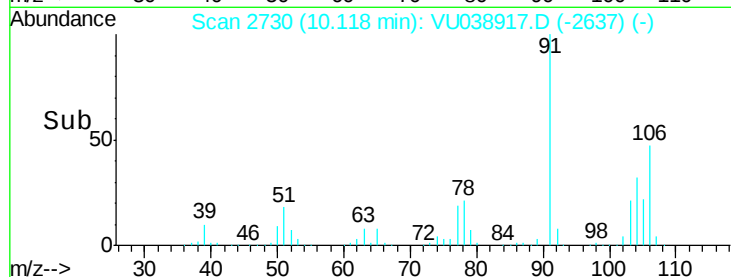
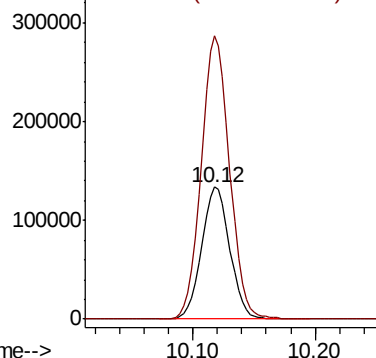
#54
o-Xylene
Concen: 5.159 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038917.D
Acq: 16 Jun 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:106 Resp: 214684
Ion Ratio Lower Upper
106 100
91 214.3 152.0 282.4

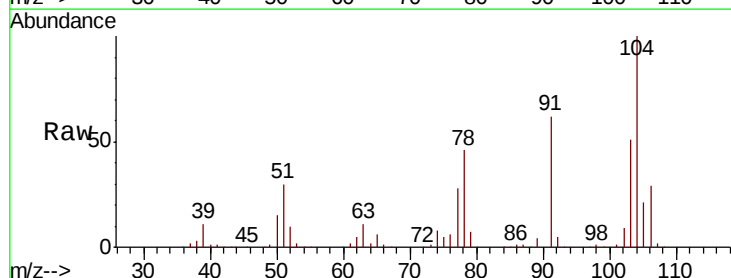


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

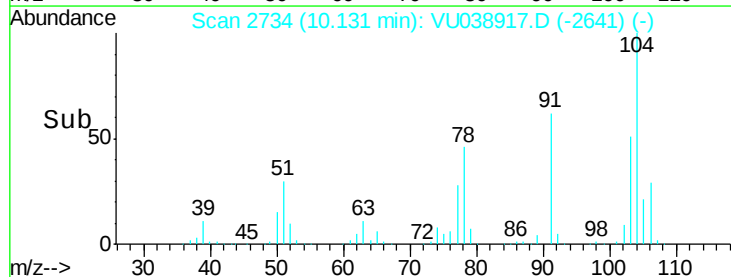
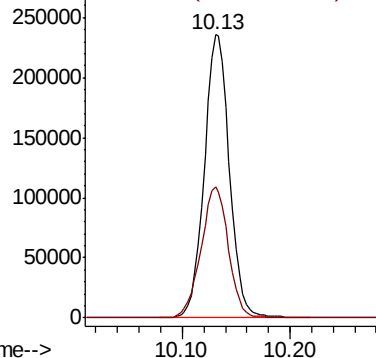


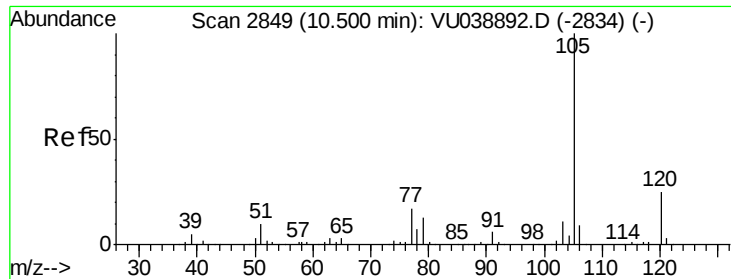
#55
Styrene
Concen: 5.301 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU038917.D
Acq: 16 Jun 2020 11:02

Tgt Ion:104 Resp: 383147
Ion Ratio Lower Upper
104 100
78 46.3 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: 5.361 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

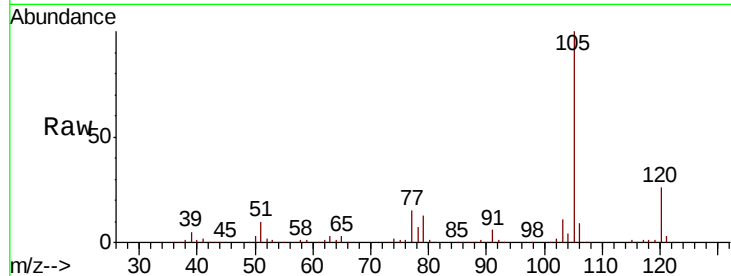
Tot Ion:105 Resp: 579367

Ion Ratio Lower Upper

105 100

120 25.5 20.6 30.8

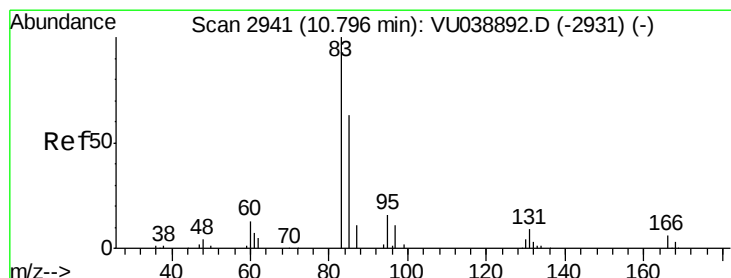
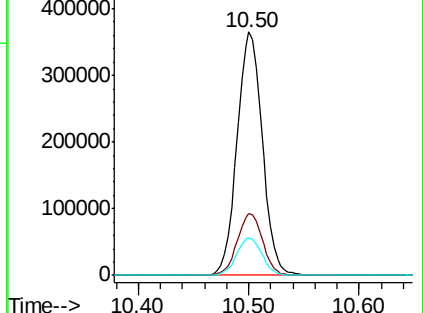
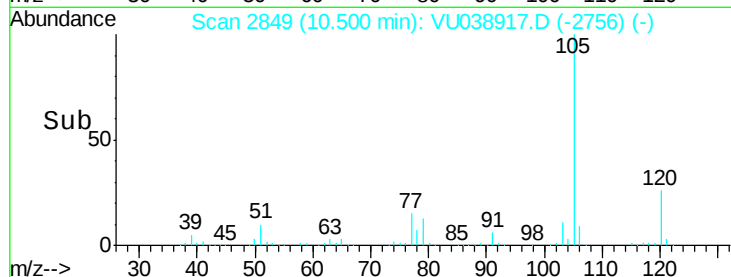
77 15.5 12.6 19.0



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: 4.778 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

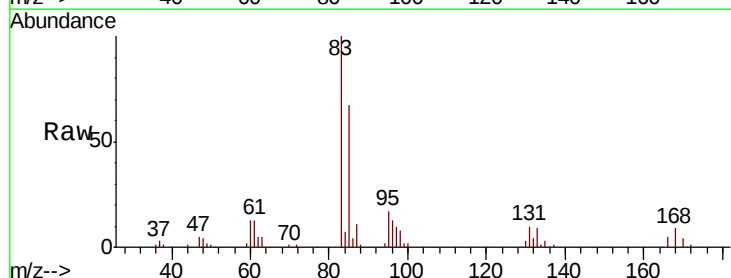
Tgt Ion: 83 Resp: 118595

Ion Ratio Lower Upper

83 100

85 66.8 46.3 85.9

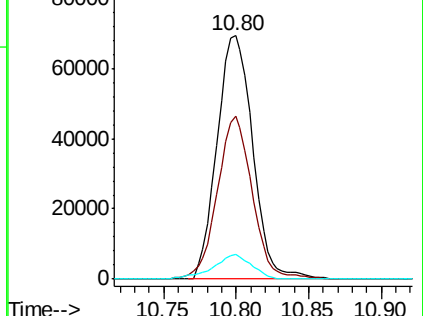
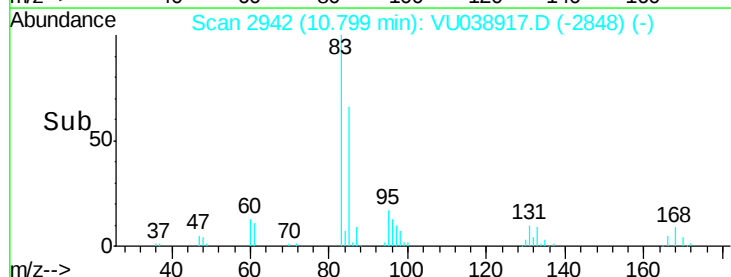
131 10.0 8.3 12.5

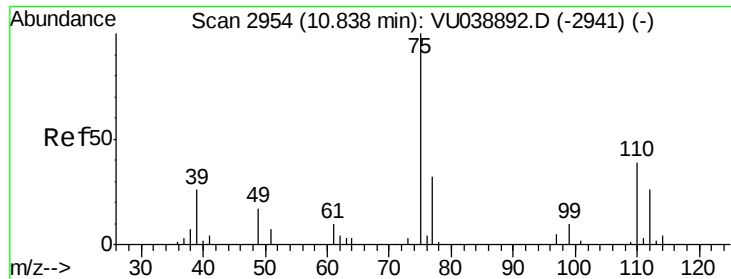


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.662 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

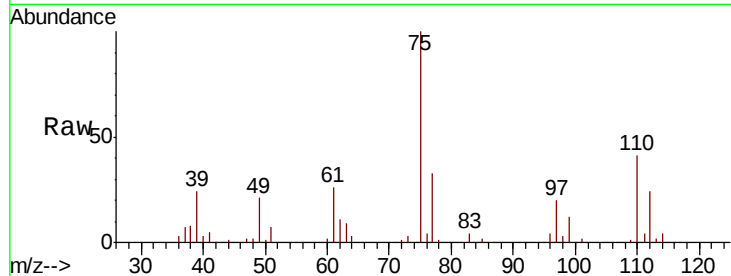
VSTD00526

Tot Ion: 75 Resp: 90982

Ion Ratio Lower Upper

75 100

77 32.6 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU038892.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038892.D (-2941) (-)

10.84

60000

50000

40000

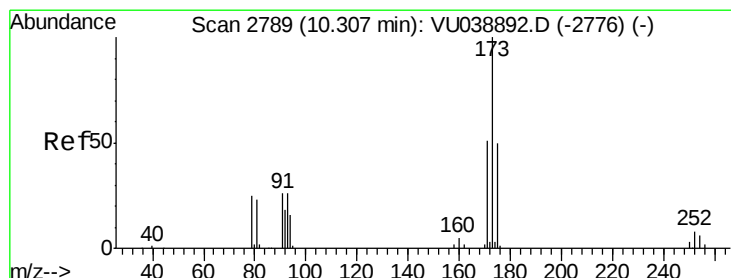
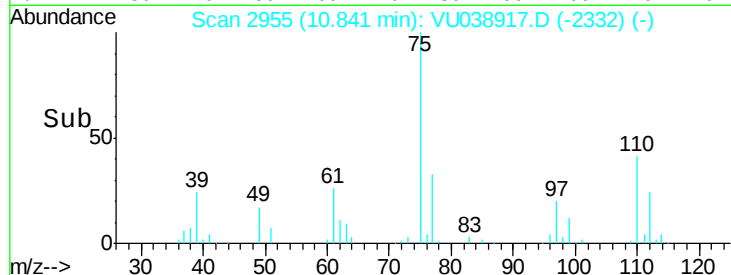
30000

20000

10000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 4.932 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

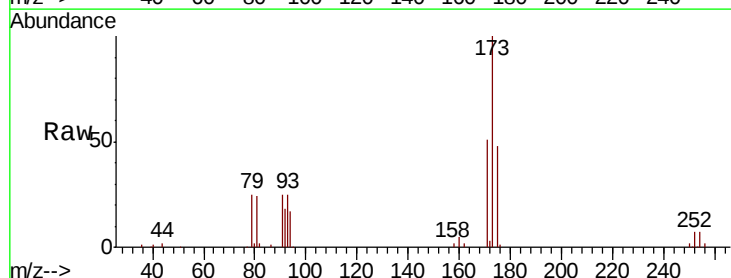
Tgt Ion: 173 Resp: 63158

Ion Ratio Lower Upper

173 100

175 47.7 39.0 58.4

254 7.1 6.0 9.0



Abundance Ion 172.90 (172.60 to 173.60): VU038892.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU038892.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU038892.D (-2776) (-)

10.31

50000

40000

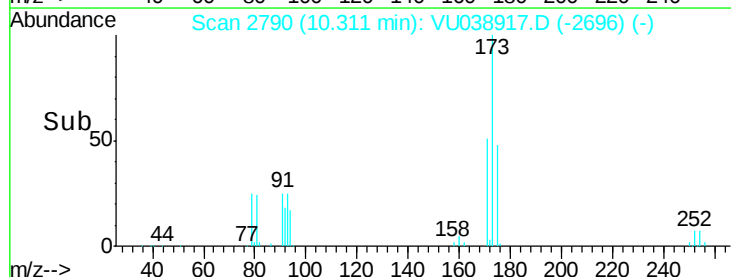
30000

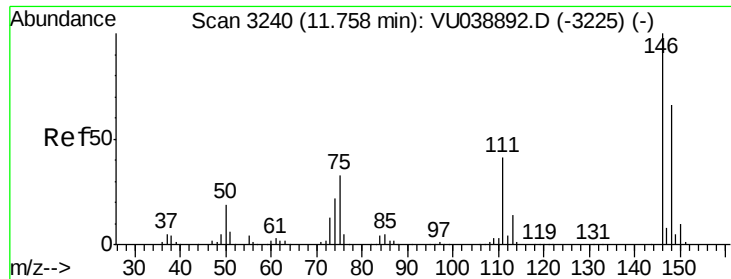
20000

10000

0

Time--> 10.25 10.30 10.35

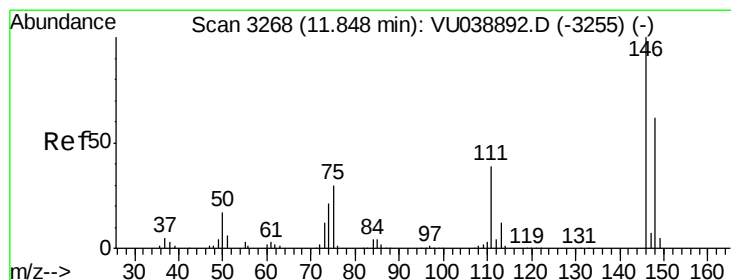
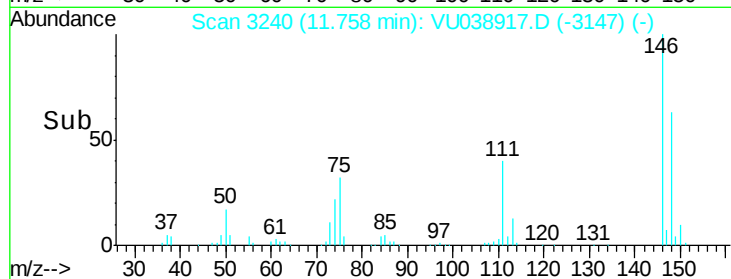
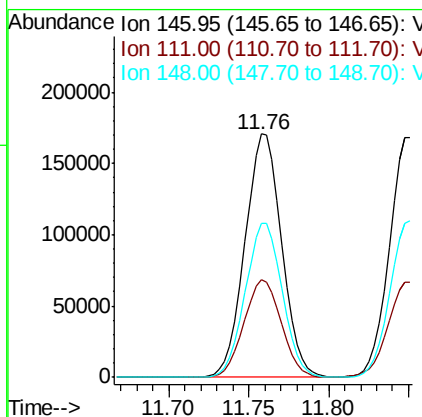
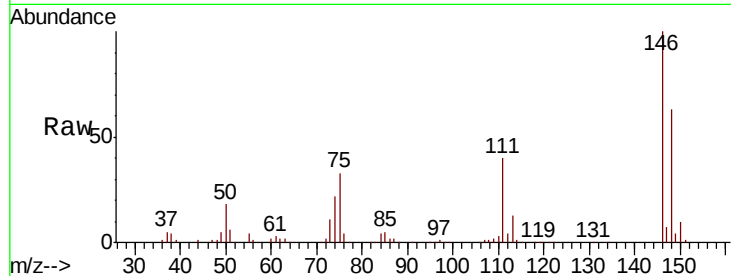




#62
 1,3-Dichlorobenzene
 Concen: 5.054 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038917.D
 Acq: 16 Jun 2020 11:02

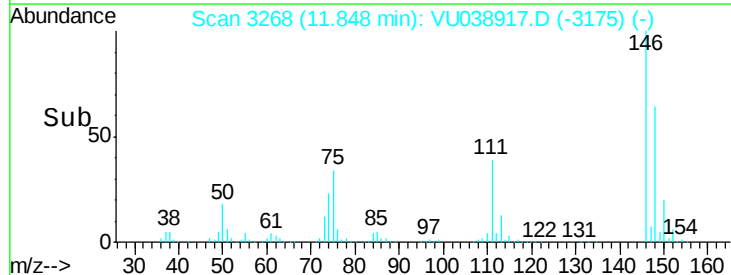
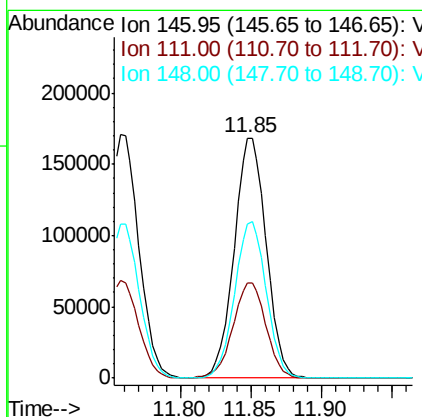
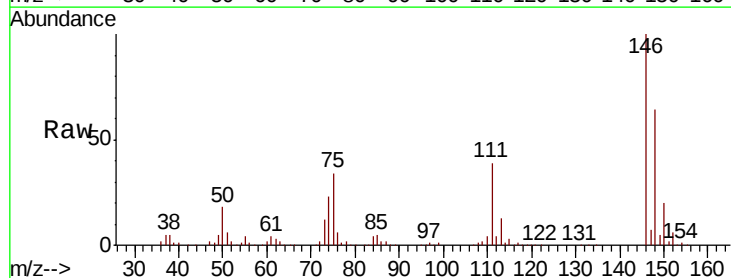
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

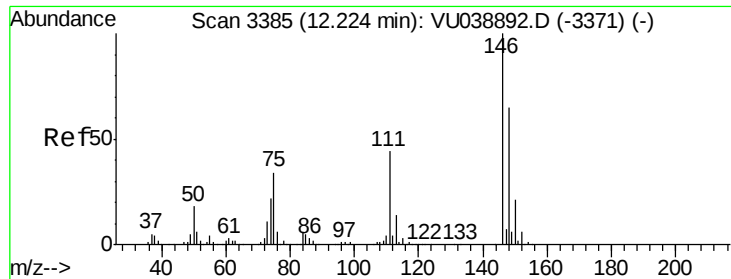
Tot Ion:146 Resp: 267709
 Ion Ratio Lower Upper
 146 100
 111 40.1 29.0 53.8
 148 63.4 43.7 81.1



#63
 1,4-Dichlorobenzene
 Concen: 4.995 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038917.D
 Acq: 16 Jun 2020 11:02

Tgt Ion:146 Resp: 268019
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.7 51.5
 148 64.1 44.1 81.9

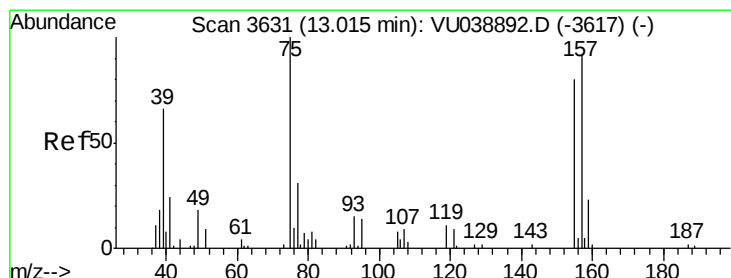
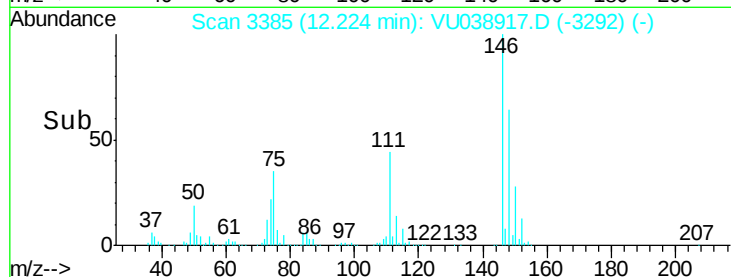
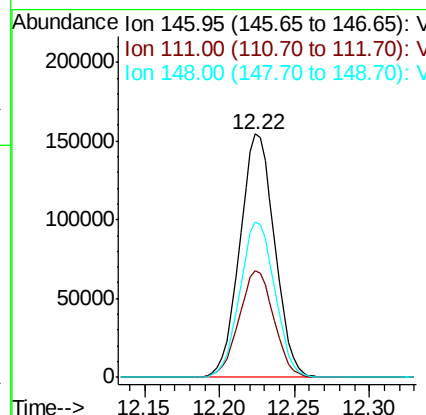
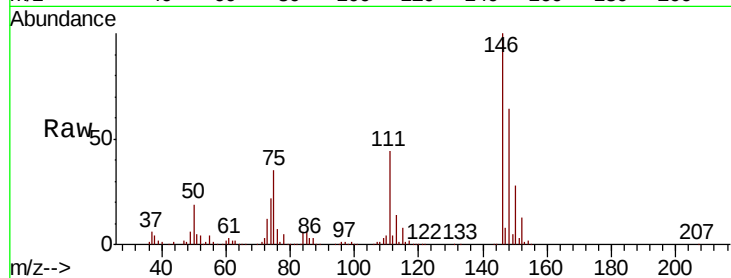




#65
 1,2-Dichlorobenzene
 Concen: 4.751 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU038917.D
 Acq: 16 Jun 2020 11:02

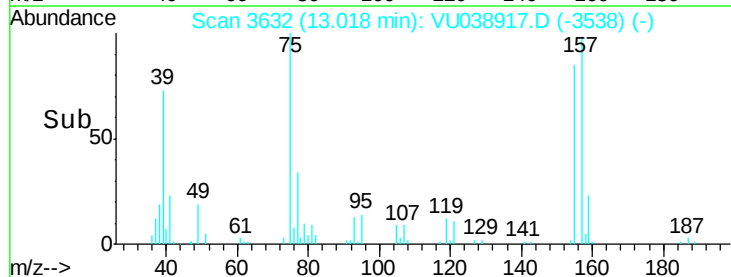
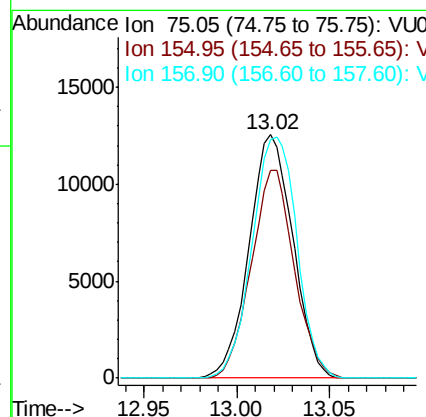
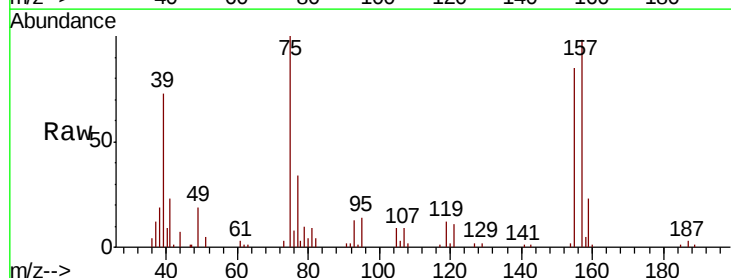
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

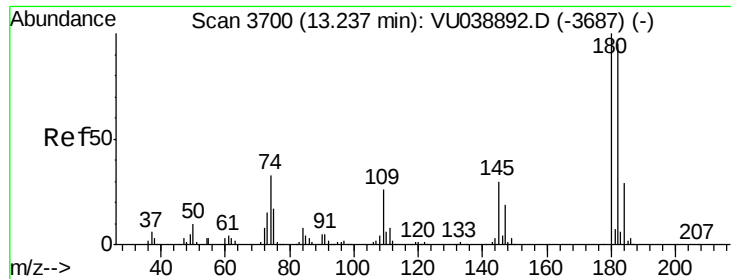
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	35.1	52.7
148	64.0	51.4	77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.407 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU038917.D
 Acq: 16 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	64.0	96.0
157	98.0	75.4	113.2

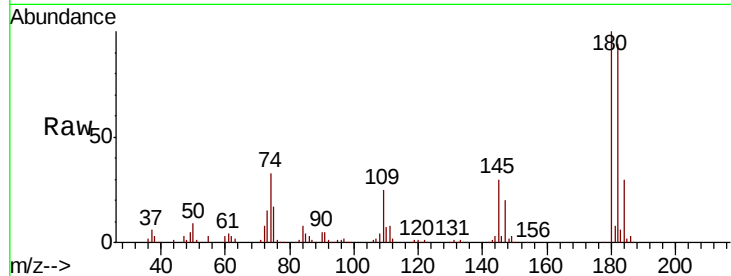




#67
 1,3,5-Trichlorobenzene
 Concen: 5.115 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.01 min
 Lab File: VU038917.D
 Acq: 16 Jun 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.6
184	30.6	24.6	36.8
145	30.8	25.0	37.6

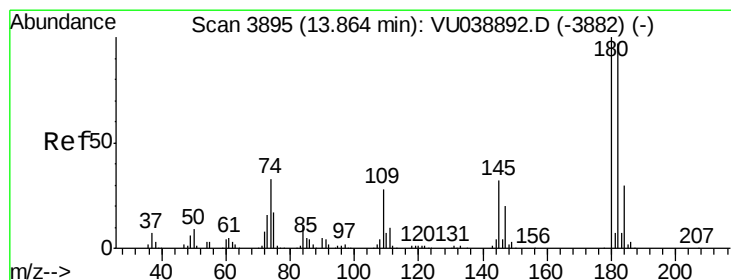
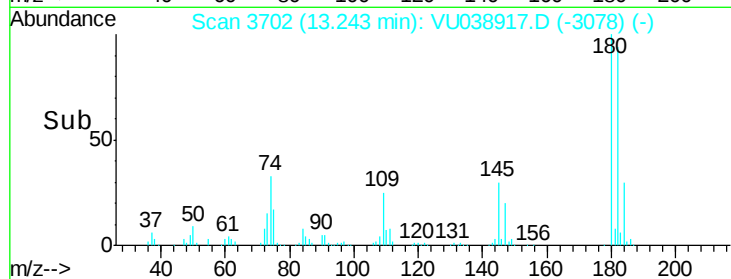
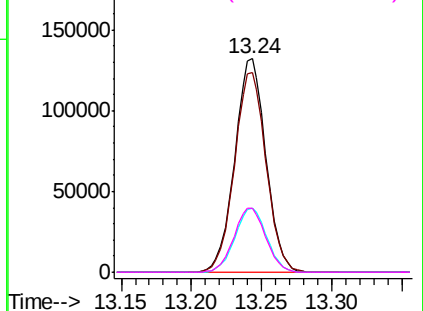


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

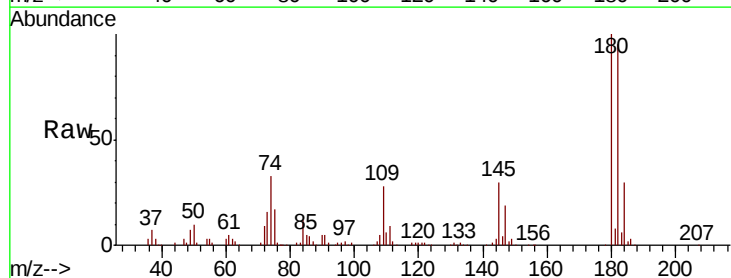
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.800 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.01 min
 Lab File: VU038917.D
 Acq: 16 Jun 2020 11:02

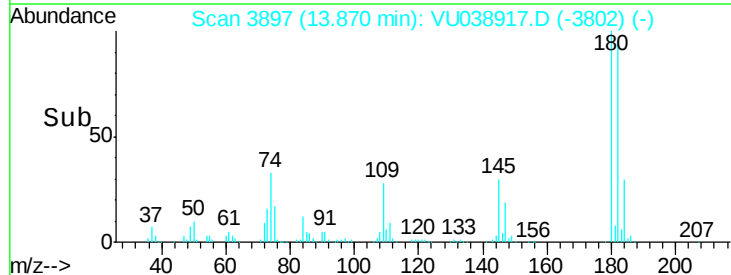
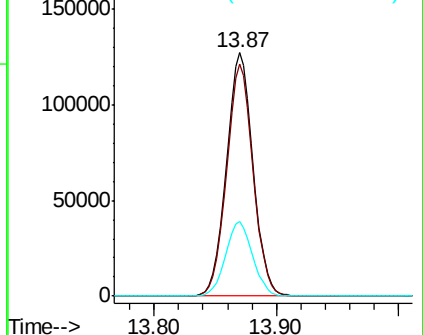
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.9	113.9
145	31.1	24.7	37.1

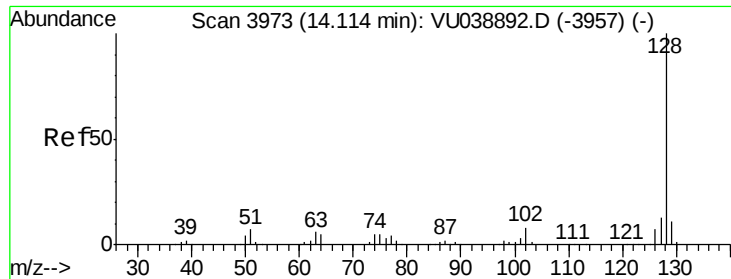


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.780 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

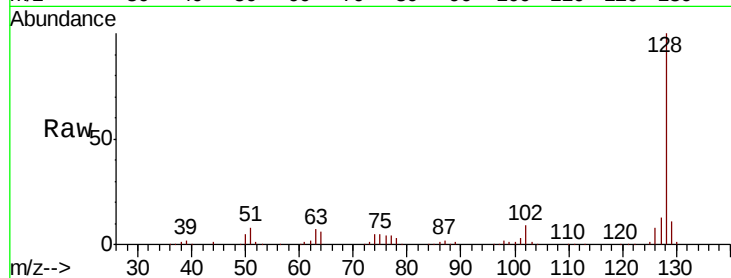
Tot Ion:128 Resp: 363314

Ion Ratio Lower Upper

128 100

129 10.8 8.2 12.4

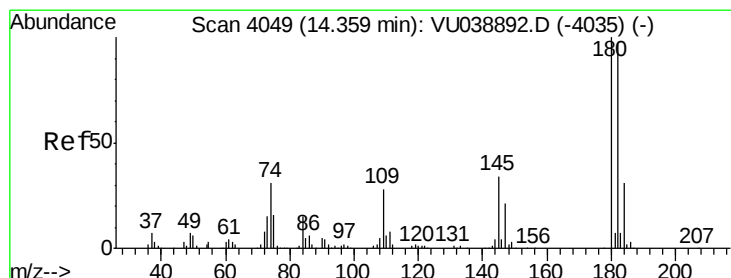
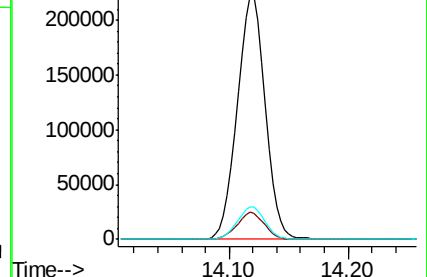
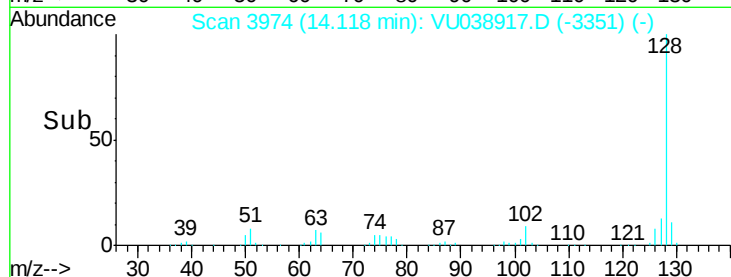
127 13.1 10.1 15.1



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: 5.592 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.01 min

Lab File: VU038917.D

Acq: 16 Jun 2020 11:02

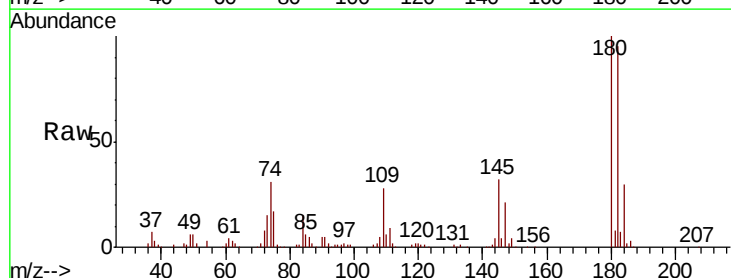
Tgt Ion:180 Resp: 174909

Ion Ratio Lower Upper

180 100

182 96.9 75.1 112.7

145 32.0 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

