

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061620\
 Data File : VU038934.D
 Acq On : 16 Jun 2020 19:21
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Quant Time: Jun 17 02:04:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 17 02:00:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	294640	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	292918	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	153583	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	64934	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	1.93	69	72208	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.59	63	156084	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.60%
20) 2-Butanone-d5	4.68	46	213016	40.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.18%
24) Chloroform-d	5.10	84	164069	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.74	65	91306	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.76	84	301516	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.72	67	97268	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.92	98	277498	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	8.20	79	50480	5.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.40%
46) 2-Hexanone-d5	8.66	63	305409	68.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	137.92%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	90071	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	109750	4.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	113641	3.963	ug/L 99
3) Chloromethane	1.53	50	107102	4.477	ug/L 98
5) Vinyl chloride	1.62	62	110700	4.386	ug/L 97
6) Bromomethane	1.87	94	67133	4.331	ug/L 99
8) Chloroethane	1.95	64	90721	4.835	ug/L 99
9) Trichlorofluoromethane	2.16	101	193565	4.416	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	85059	3.912	ug/L 98
12) 1,1-Dichloroethene	2.60	96	89857	4.316	ug/L 96
13) Acetone	2.68	43	160399	36.889	ug/L 89
14) Carbon disulfide	2.82	76	286368	4.143	ug/L 99
15) Methyl Acetate	2.99	43	35803	3.375	ug/L # 89
16) Methylene chloride	3.08	84	107905	4.507	ug/L 93
17) Methyl tert-butyl Ether	3.40	73	233974	4.404	ug/L 99
18) trans-1,2-Dichloroethene	3.38	96	95367	4.324	ug/L 98
19) 1,1-Dichloroethane	3.91	63	183048	4.526	ug/L 98
21) 2-Butanone	4.76	43	265589	37.574	ug/L 96
22) cis-1,2-Dichloroethene	4.71	96	103719	4.496	ug/L 99

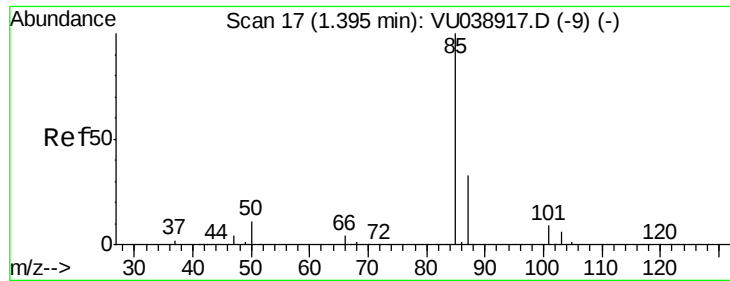
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061620\
 Data File : VU038934.D
 Acq On : 16 Jun 2020 19:21
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Quant Time: Jun 17 02:04:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 17 02:00:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	49538	4.536	ug/L	99
25) Chloroform	5.12	83	188054	4.462	ug/L	97
27) 1,2-Dichloroethane	5.83	62	131351	4.391	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	162824	4.487	ug/L	99
30) Cyclohexane	5.42	56	129274	3.955	ug/L	99
31) Carbon tetrachloride	5.56	117	130576	4.228	ug/L	99
33) Benzene	5.81	78	399957	4.597	ug/L	100
34) Trichloroethene	6.57	95	99369	4.374	ug/L	99
35) Methylcyclohexane	6.79	83	126271	3.731	ug/L	98
37) 1,2-Dichloropropane	6.82	63	104321	4.647	ug/L	100
38) Bromodichloromethane	7.13	83	135343	4.585	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	143035	4.455	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	717366	46.845	ug/L	100
42) Toluene	7.99	91	407768	4.447	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	165626	5.640	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	92216	5.374	ug/L	99
47) Tetrachloroethene	8.57	164	86820	4.986	ug/L	96
48) 2-Hexanone	8.71	43	845171	69.619	ug/L	98
49) Dibromochloromethane	8.83	129	112164	5.633	ug/L	92
50) 1,2-Dibromoethane	8.94	107	93329	5.611	ug/L	99
51) Chlorobenzene	9.47	112	257827	4.321	ug/L	99
52) Ethylbenzene	9.59	91	422230	4.138	ug/L	99
53) m,p-Xylene	9.71	106	163809	4.273	ug/L	99
54) o-Xylene	10.12	106	160317	4.346	ug/L	99
55) Styrene	10.13	104	287069	4.480	ug/L	100
56) Isopropylbenzene	10.50	105	399823	4.174	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	99134	4.506	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	75281	4.351	ug/L	99
61) Bromoform	10.31	173	52543	4.488	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	209063	4.318	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	207352	4.227	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	201063	4.179	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	17768	4.170	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	147699	4.049	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	135848	4.446	ug/L	99
69) Naphthalene	14.11	128	290785	5.061	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	140555	4.916	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 3.963 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

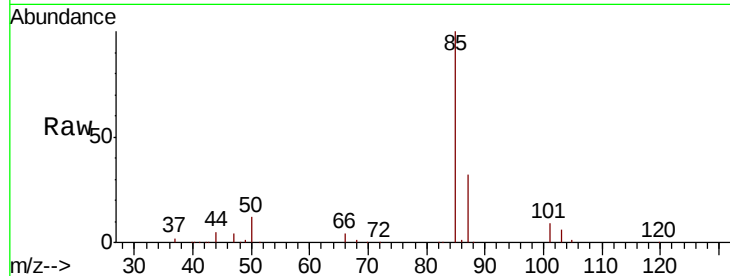
VSTD00527

Tot Ion: 85 Resp: 113641

Ion Ratio Lower Upper

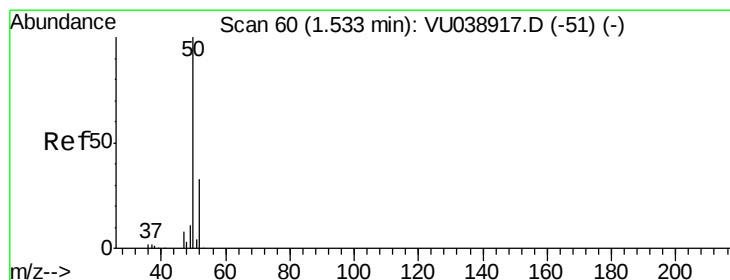
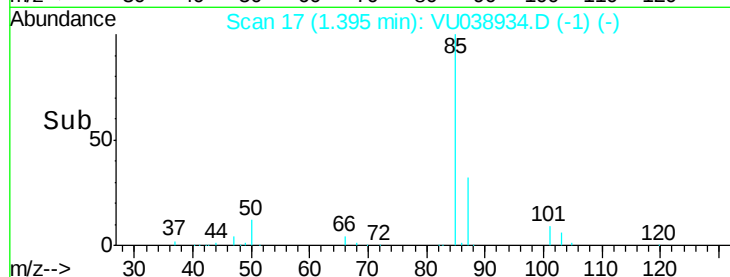
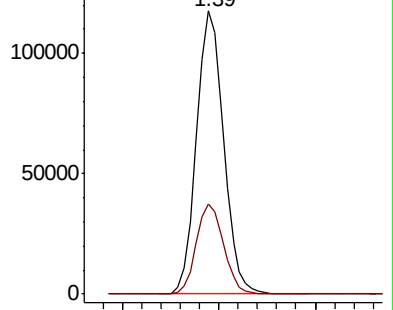
85 100

87 32.0 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU038917.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038917.D (-9) (-)



#3

Chloromethane

Concen: 4.477 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038934.D

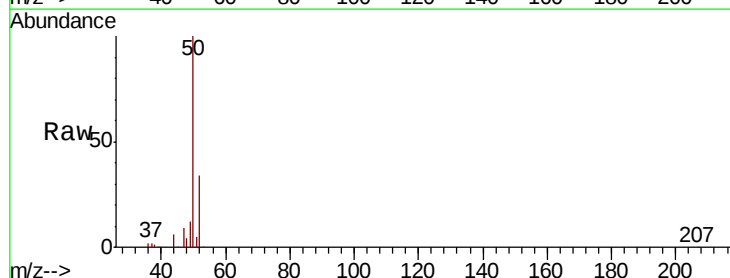
Acq: 16 Jun 2020 19:21

Tgt Ion: 50 Resp: 107102

Ion Ratio Lower Upper

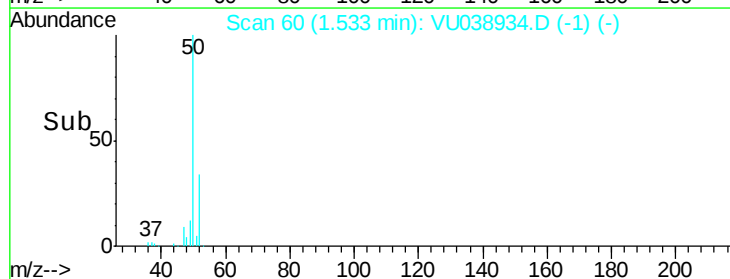
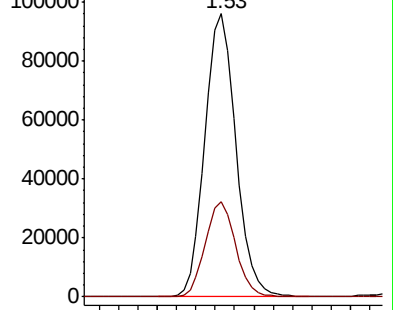
50 100

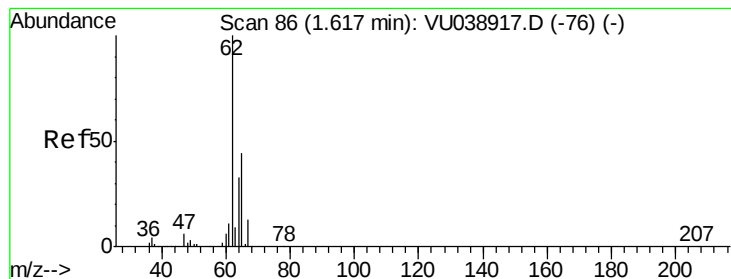
52 33.7 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU038917.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038917.D (-51) (-)

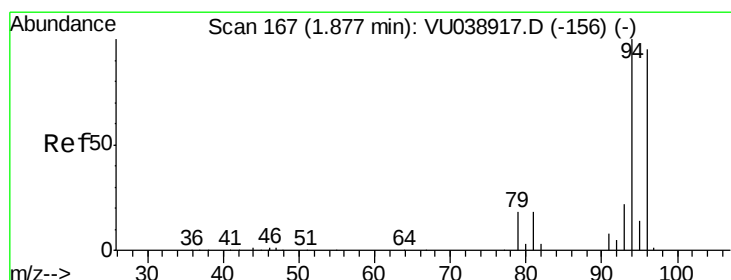
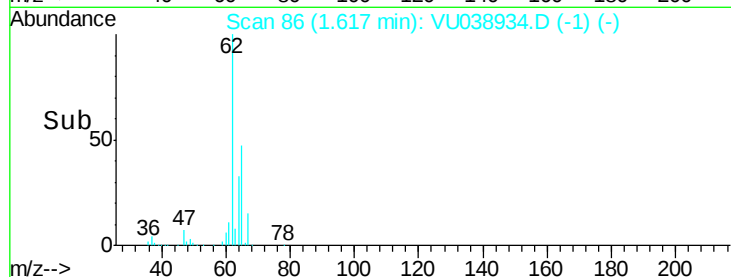
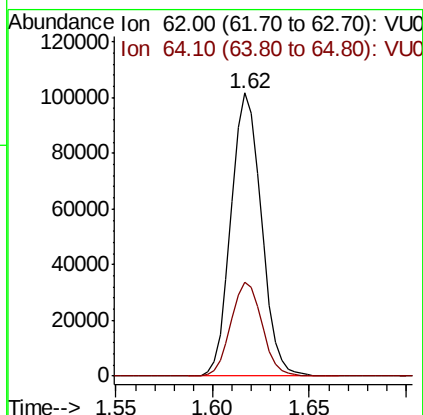
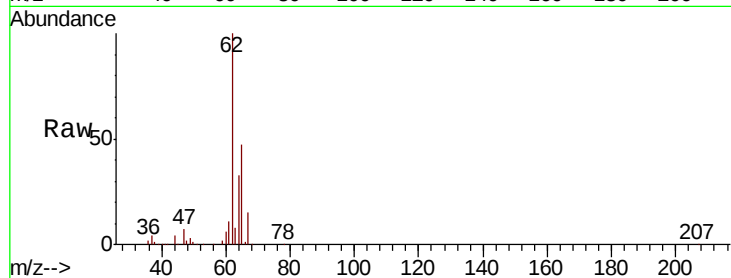




#5
 Vinyl chloride
 Concen: 4.386 ug/L
 RT: 1.62 min Scan# 86
 Delta R.T. 0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

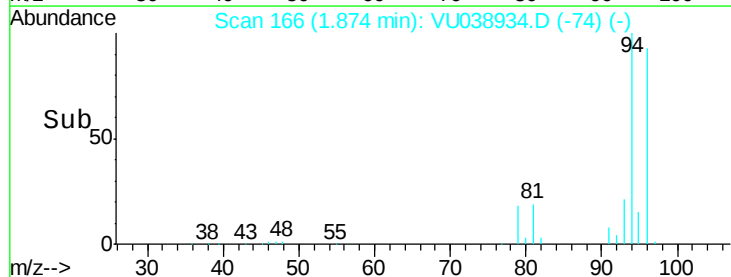
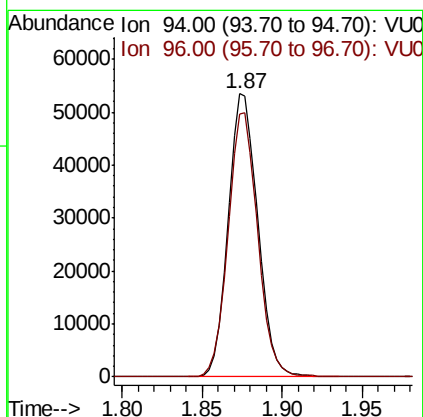
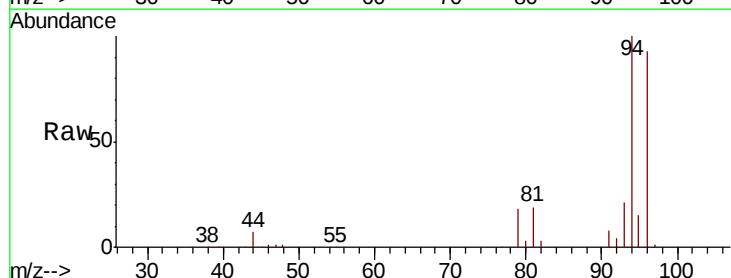
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00527

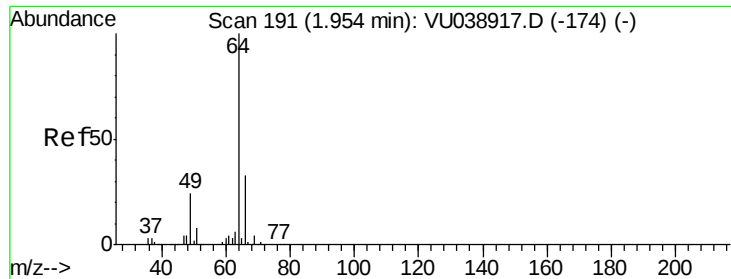
Tot Ion: 62 Resp: 110700
 Ion Ratio Lower Upper
 62 100
 64 33.4 22.2 41.2



#6
 Bromomethane
 Concen: 4.331 ug/L
 RT: 1.87 min Scan# 166
 Delta R.T. -0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

Tgt Ion: 94 Resp: 67133
 Ion Ratio Lower Upper
 94 100
 96 92.8 65.5 121.7

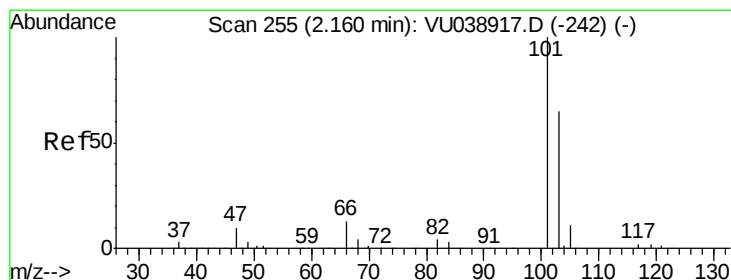
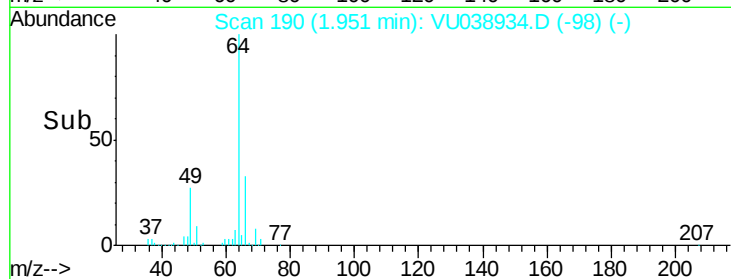
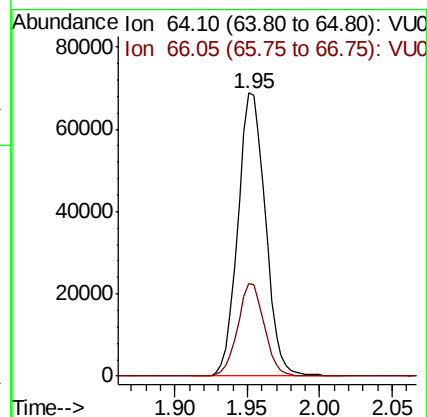
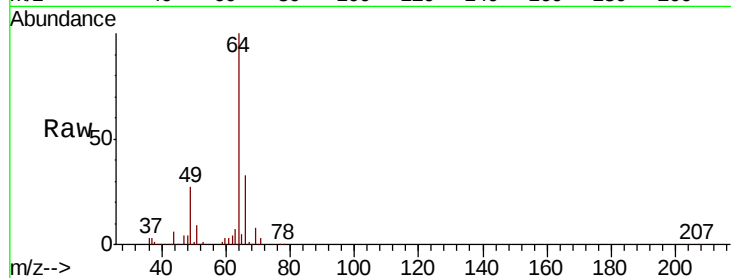




#8
Chloroethane
Concen: 4.835 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038934.D
Acq: 16 Jun 2020 19:21

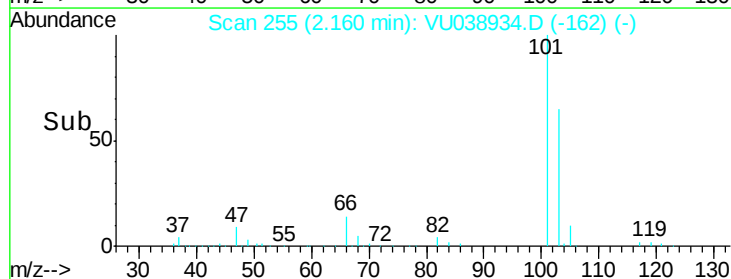
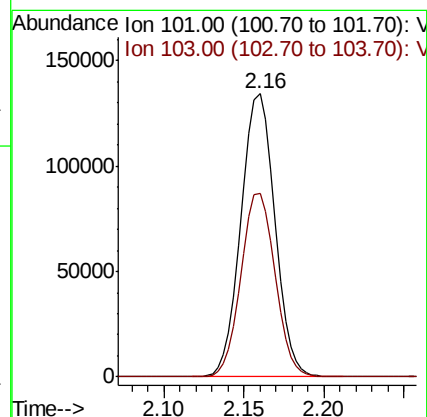
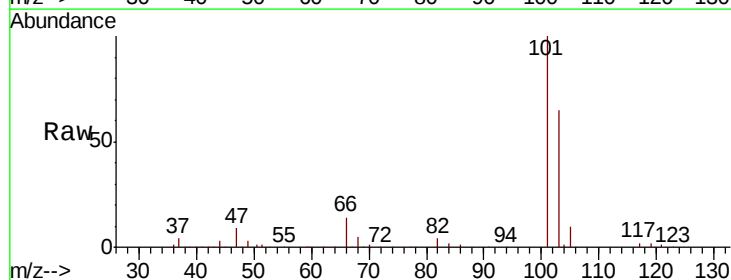
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

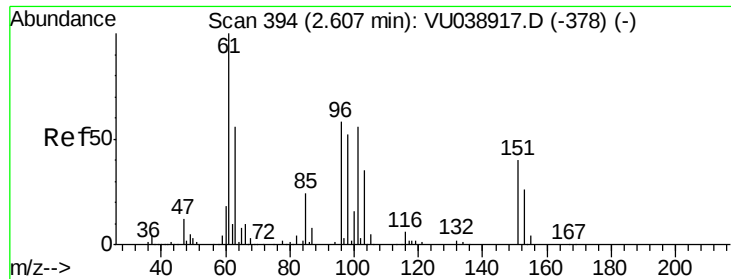
Tot Ion: 64 Resp: 90721
Ion Ratio Lower Upper
64 100
66 32.7 22.6 42.0



#9
Trichlorofluoromethane
Concen: 4.416 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038934.D
Acq: 16 Jun 2020 19:21

Tgt Ion:101 Resp: 193565
Ion Ratio Lower Upper
101 100
103 65.1 51.1 76.7





#10

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

Concen: 3.912 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

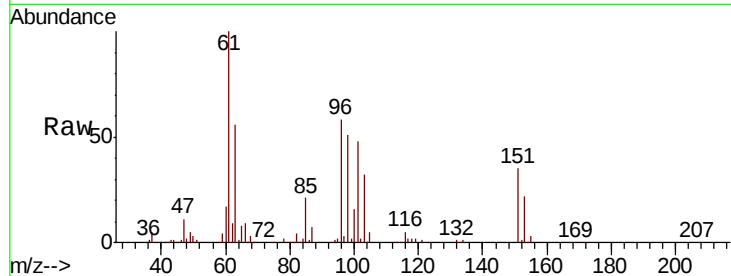
Tot Ion:101 Resp: 85059

Ion Ratio Lower Upper

101 100

85 44.5 35.3 52.9

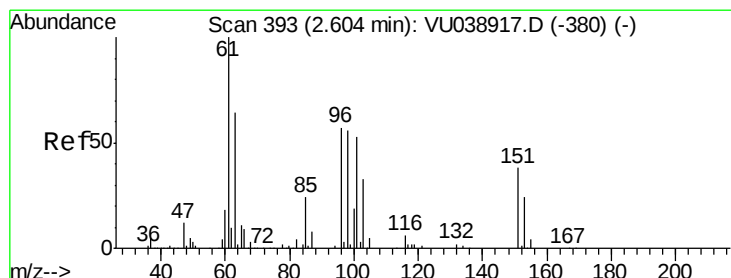
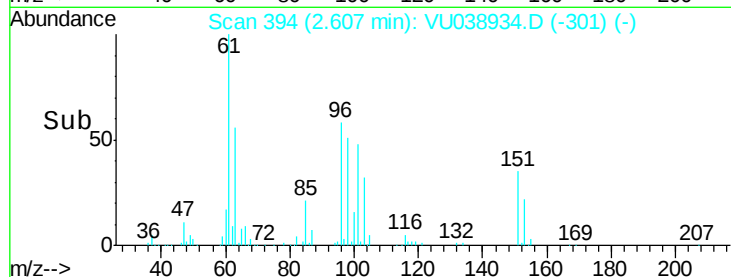
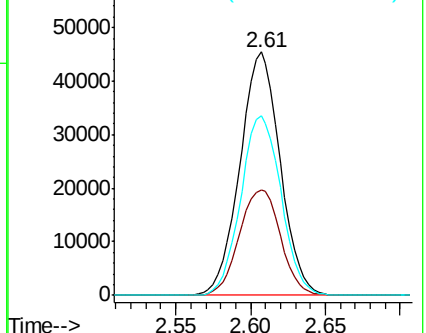
151 74.0 57.4 86.2



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: 4.316 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

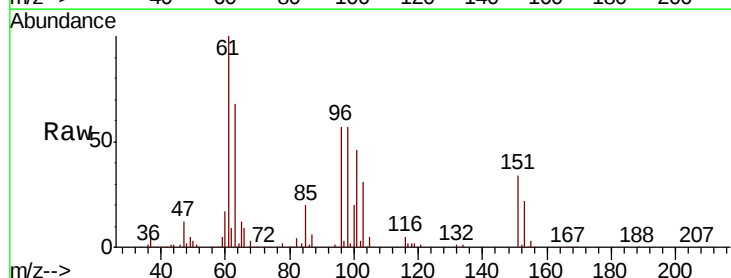
Tgt Ion: 96 Resp: 89857

Ion Ratio Lower Upper

96 100

61 174.4 124.9 232.1

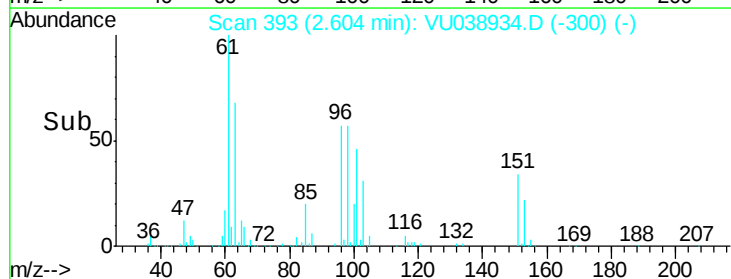
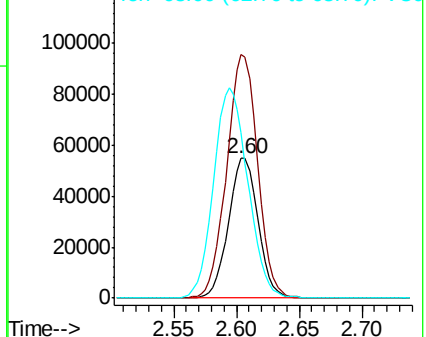
63 118.1 79.1 146.9

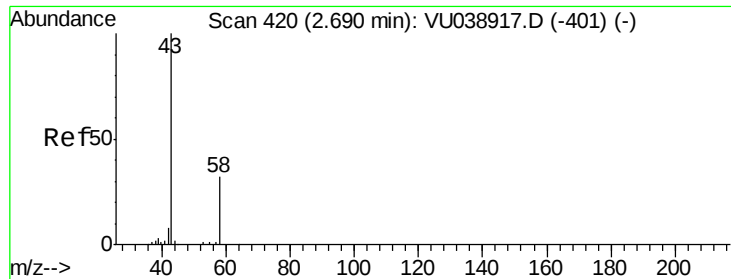


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 36.889 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

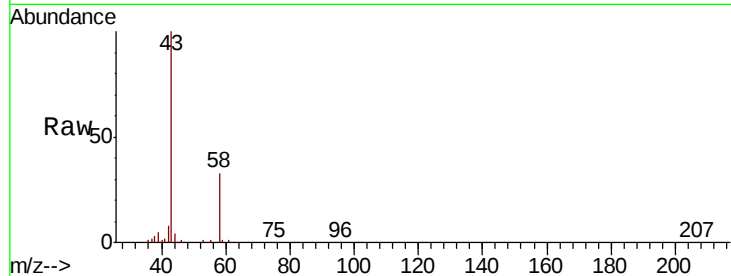
VSTD00527

Tot Ion: 43 Resp: 160399

Ion Ratio Lower Upper

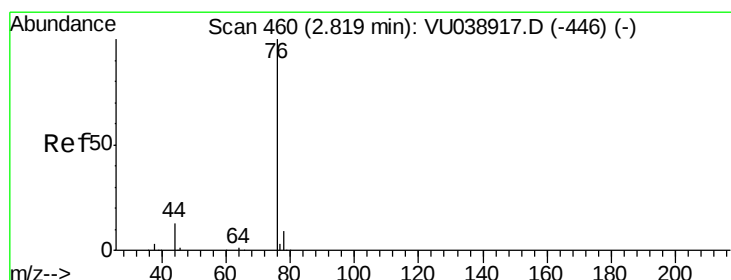
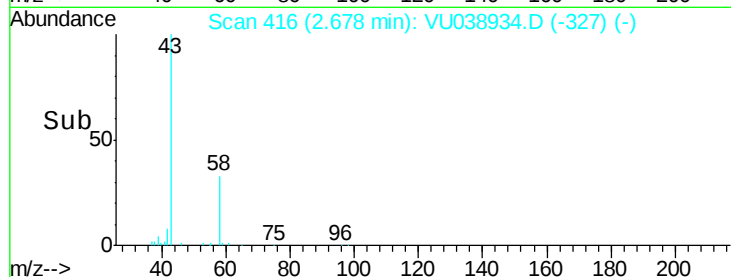
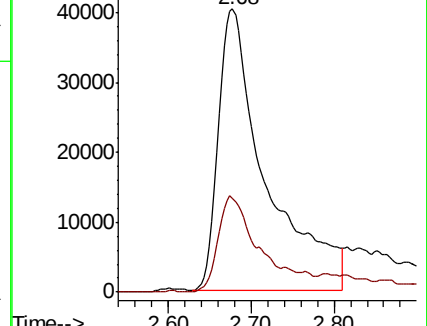
43 100

58 26.5 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038917.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038917.D (-401) (-)



#14

Carbon disulfide

Concen: 4.143 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038934.D

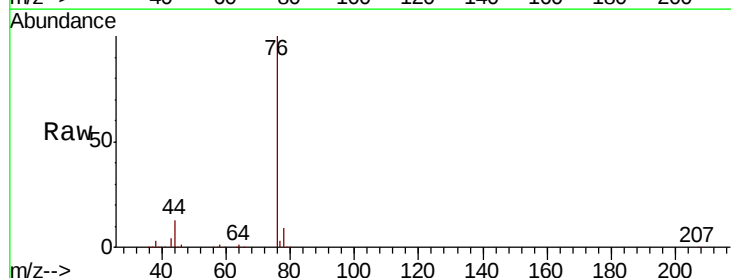
Acq: 16 Jun 2020 19:21

Tgt Ion: 76 Resp: 286368

Ion Ratio Lower Upper

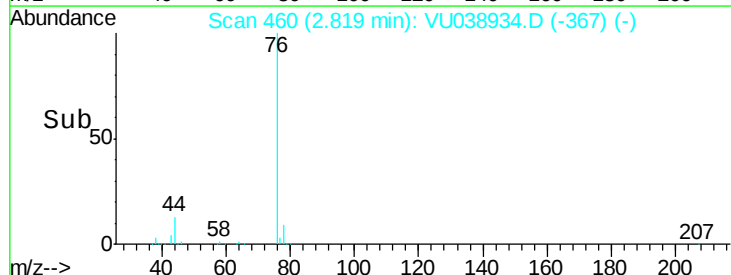
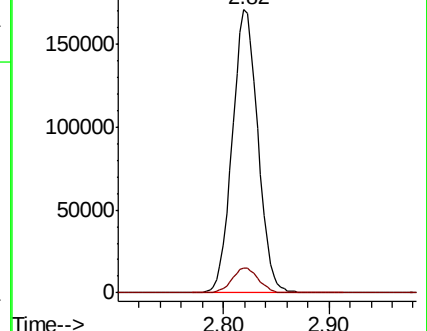
76 100

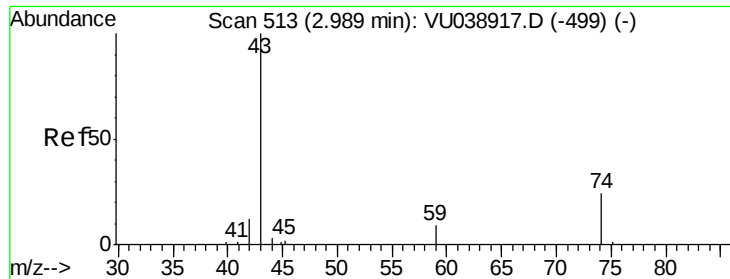
78 8.6 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038917.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU038917.D (-446) (-)

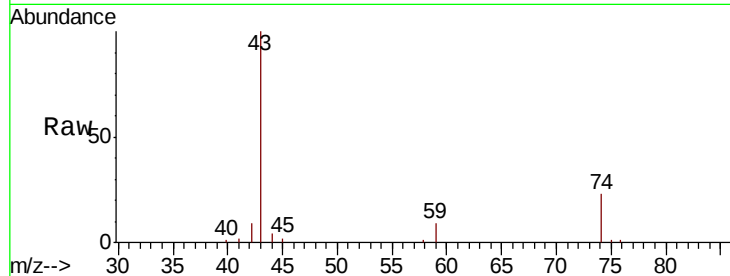




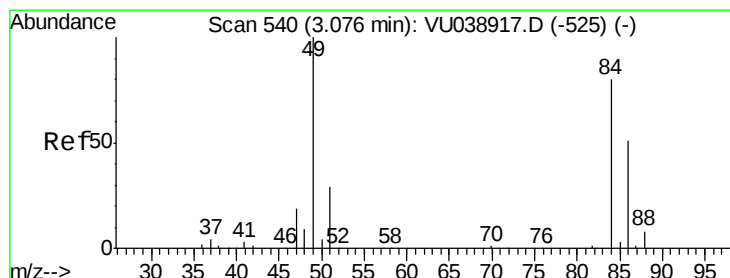
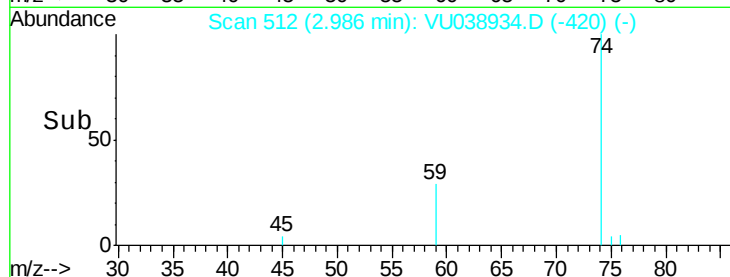
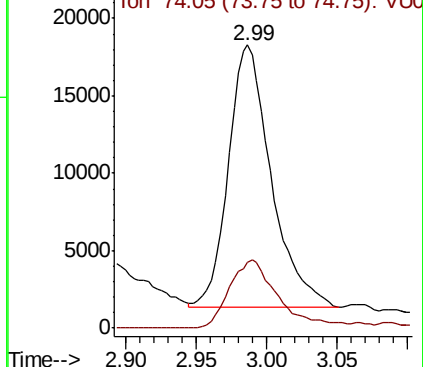
#15
Methyl Acetate
Concen: 3.375 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU038934.D
Acq: 16 Jun 2020 19:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion: 43 Resp: 35803
Ion Ratio Lower Upper
43 100
74 29.9 19.7 29.5#

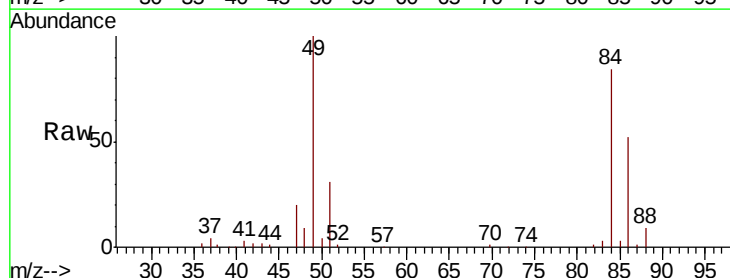


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 74.05 (73.75 to 74.75): VU0

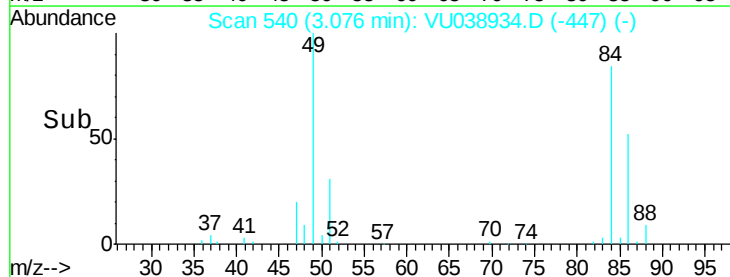
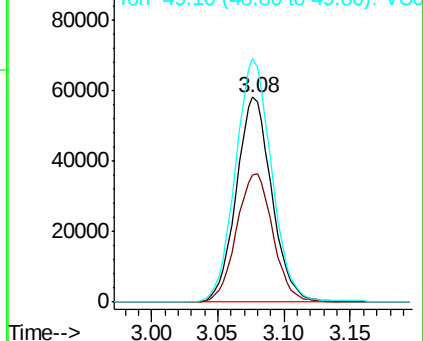


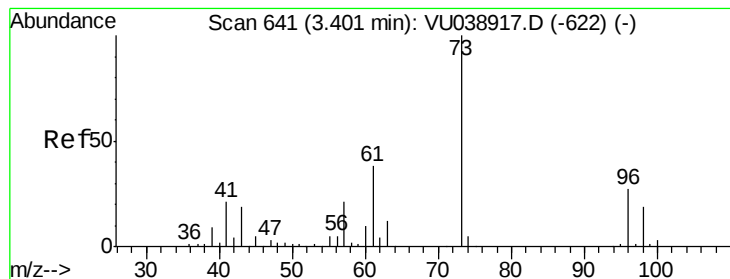
#16
Methylene chloride
Concen: 4.507 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038934.D
Acq: 16 Jun 2020 19:21

Tgt Ion: 84 Resp: 107905
Ion Ratio Lower Upper
84 100
86 62.3 47.9 89.1
49 118.9 88.4 164.2



Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0



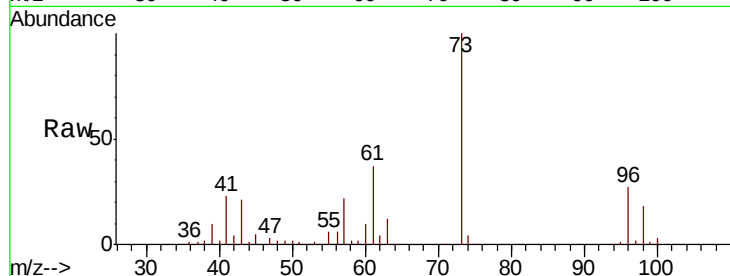


#17

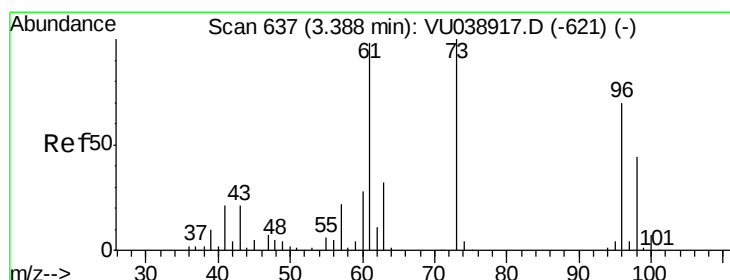
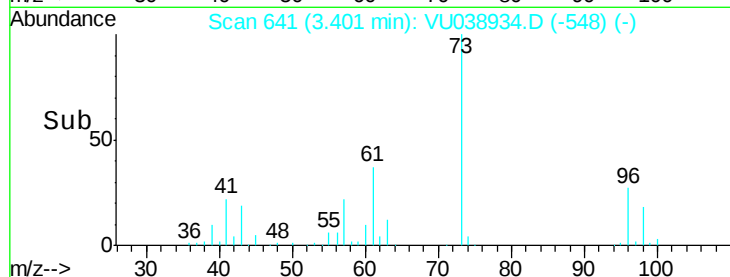
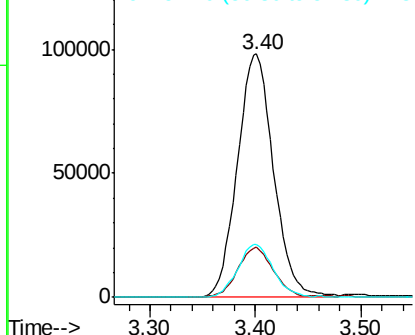
Methvl tert-butvl Ether
 Concen: 4.404 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion: 73 Resp: 233974
 Ion Ratio Lower Upper
 73 100
 43 20.0 16.6 24.8
 57 21.5 17.5 26.3



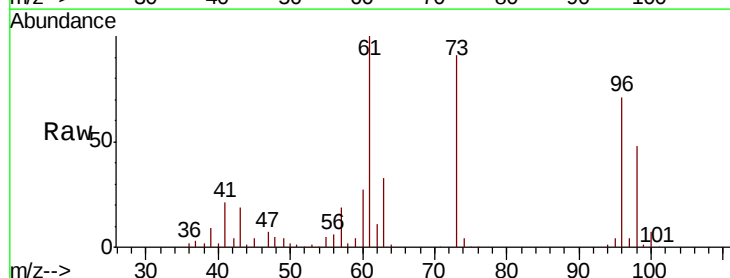
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



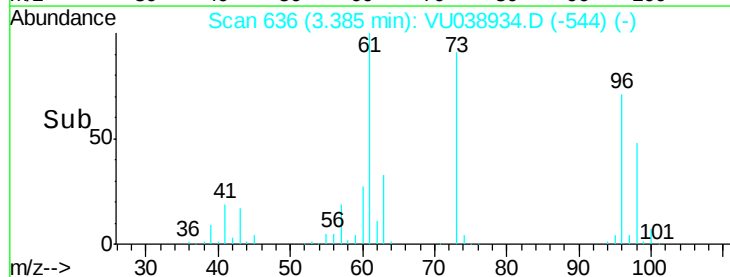
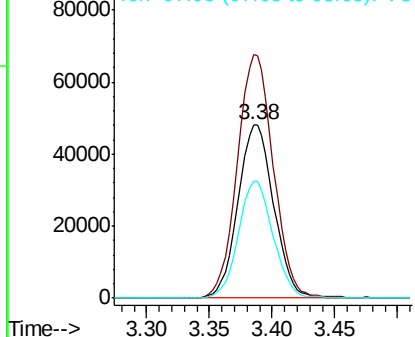
#18

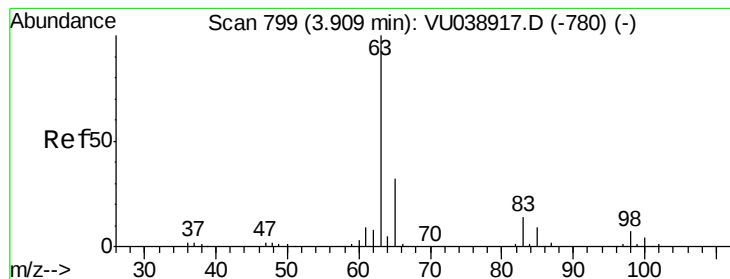
trans-1,2-Dichloroethene
 Concen: 4.324 ug/L
 RT: 3.38 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

Tgt Ion: 96 Resp: 95367
 Ion Ratio Lower Upper
 96 100
 61 140.2 97.6 181.4
 98 67.5 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: 4.526 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

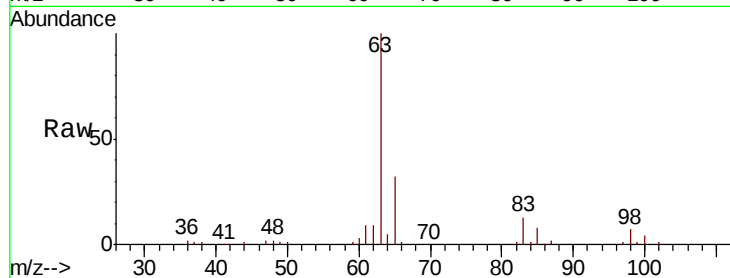
Tot Ion: 63 Resp: 183048

Ion Ratio Lower Upper

63 100

65 32.2 21.3 39.6

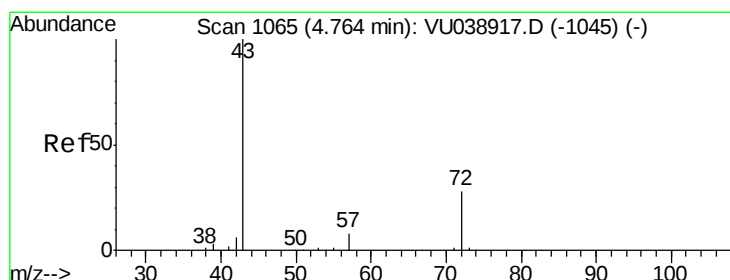
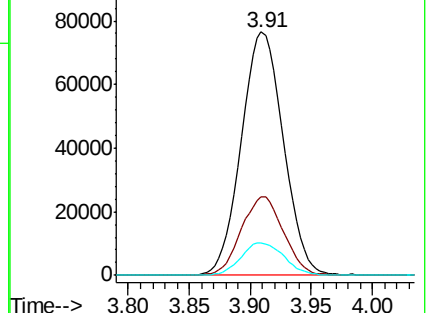
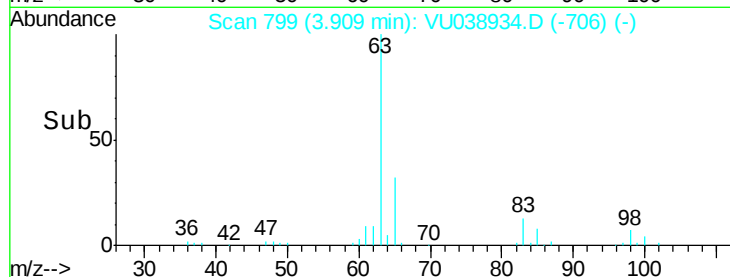
83 13.4 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VU038934.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038934.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038934.D (-706) (-)



#21

2-Butanone

Concen: 37.574 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VU038934.D

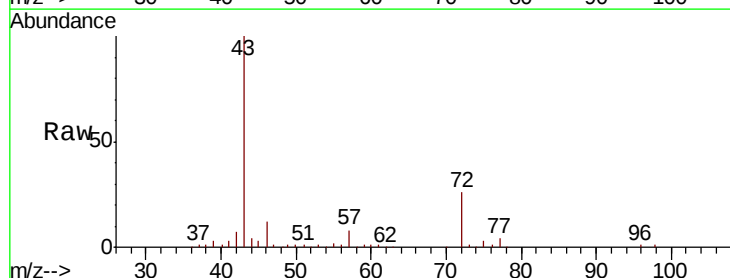
Acq: 16 Jun 2020 19:21

Tgt Ion: 43 Resp: 265589

Ion Ratio Lower Upper

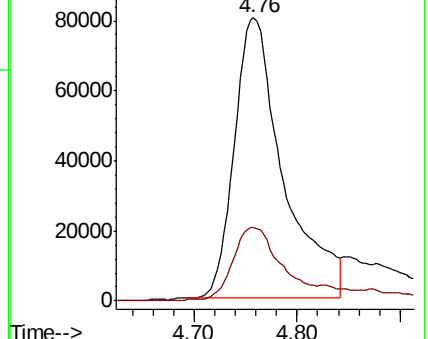
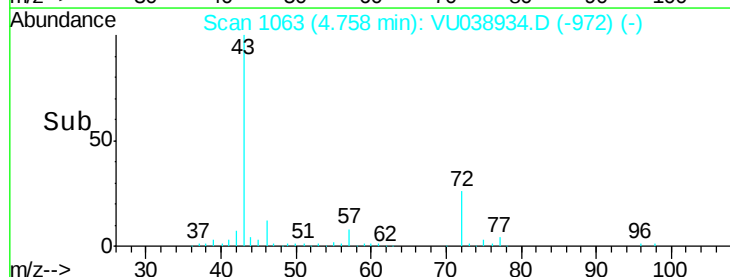
43 100

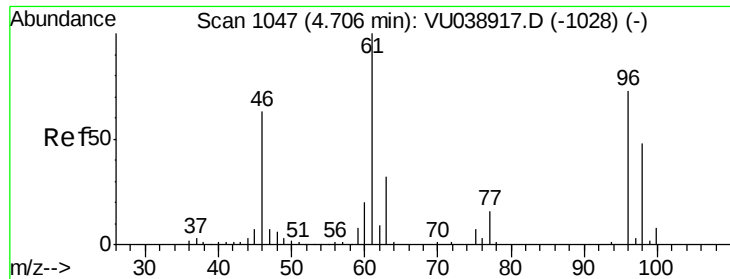
72 26.0 14.0 41.9



Abundance Ion 43.05 (42.75 to 43.75): VU038934.D (-972) (-)

Ion 72.10 (71.80 to 72.80): VU038934.D (-972) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.496 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

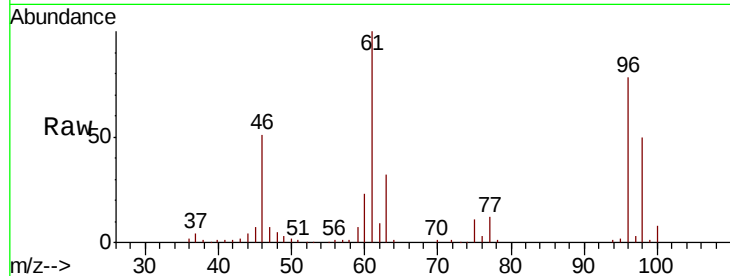
Tot Ion: 96 Resp: 103719

Ion Ratio Lower Upper

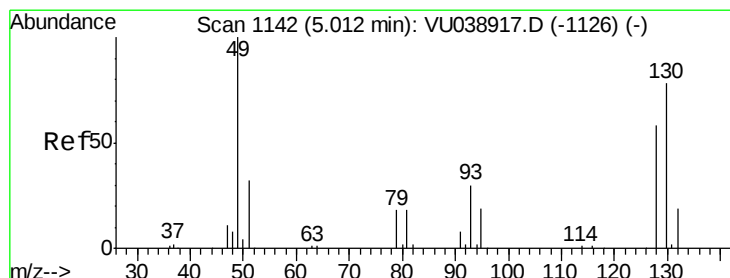
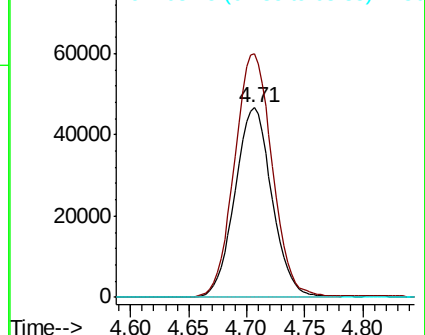
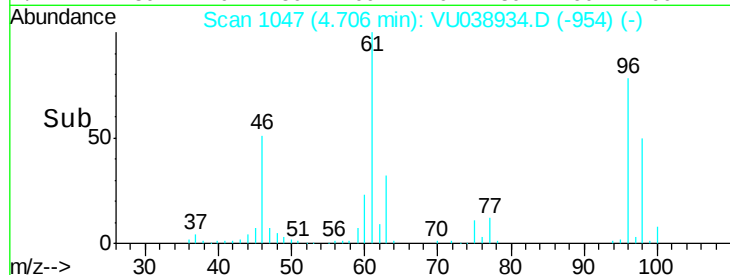
96 100

61 128.6 90.5 168.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038934.D (-954) (-)



#23

Bromochloromethane

Concen: 4.536 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

Tgt Ion: 128 Resp: 49538

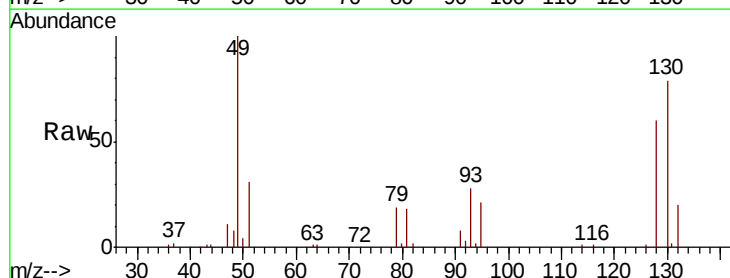
Ion Ratio Lower Upper

128 100

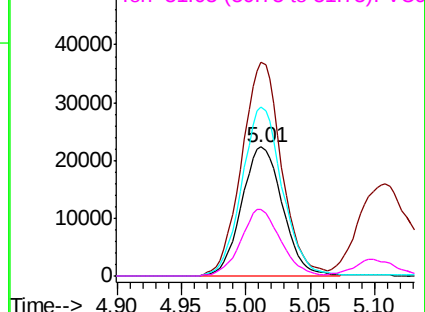
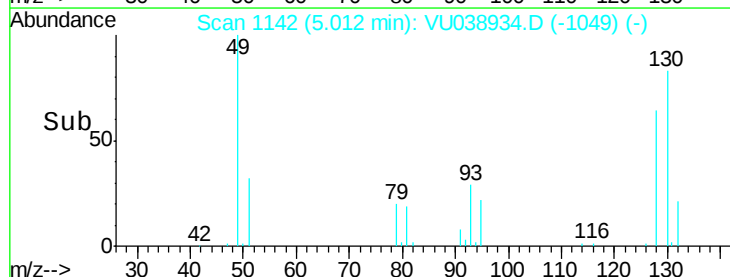
49 165.4 114.8 213.2

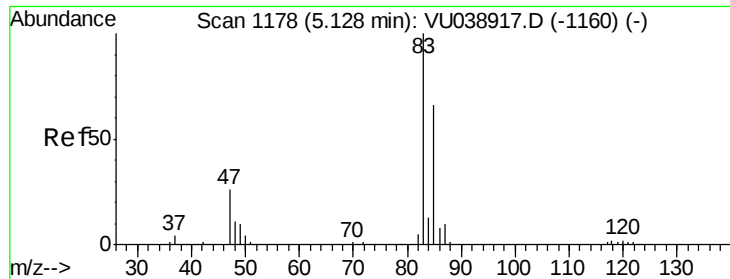
130 130.7 91.7 170.3

51 51.6 42.7 64.1



Abundance Ion 127.90 (127.60 to 128.60): VU038934.D (-1049) (-)

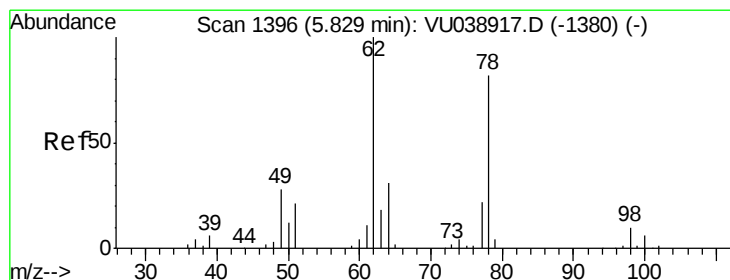
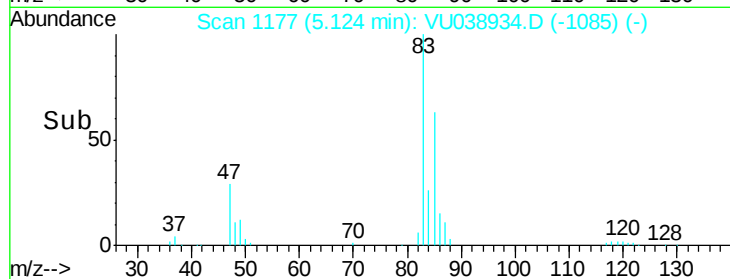
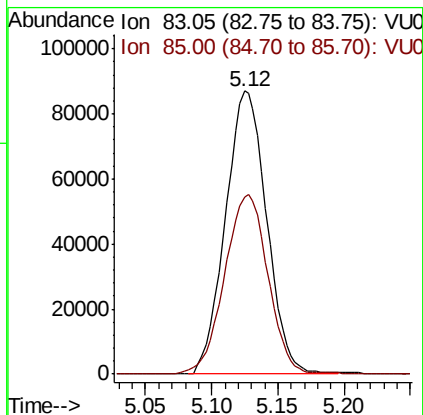
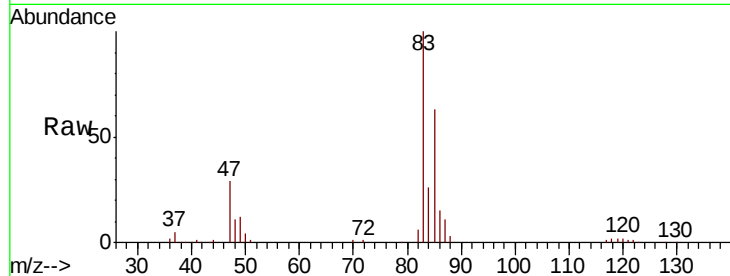




#25
Chloroform
Concen: 4.462 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038934.D
Acq: 16 Jun 2020 19:21

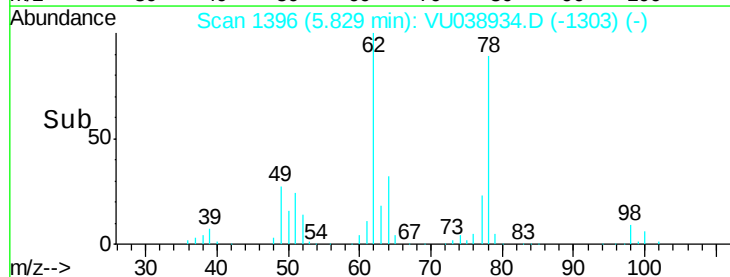
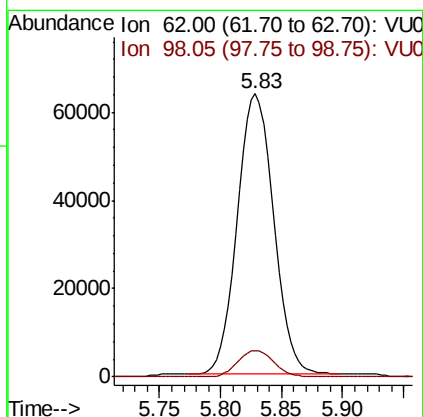
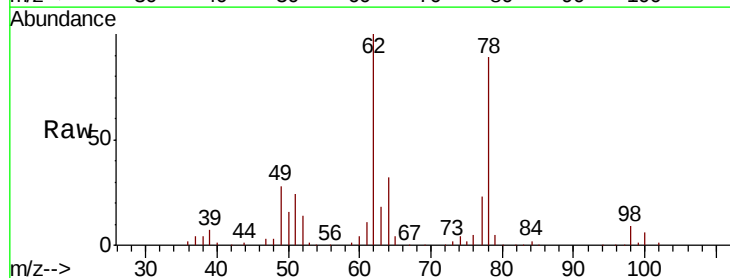
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

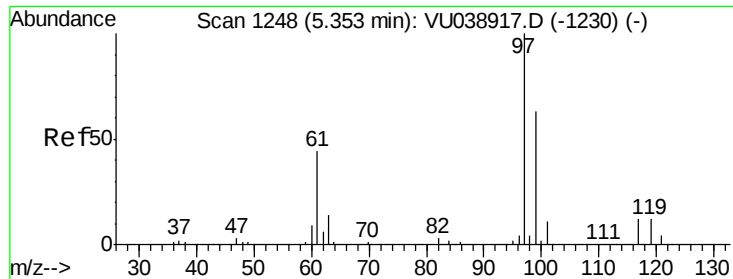
Tot Ion: 83 Resp: 188054
Ion Ratio Lower Upper
83 100
85 62.8 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.391 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038934.D
Acq: 16 Jun 2020 19:21

Tgt Ion: 62 Resp: 131351
Ion Ratio Lower Upper
62 100
98 9.4 8.2 12.4

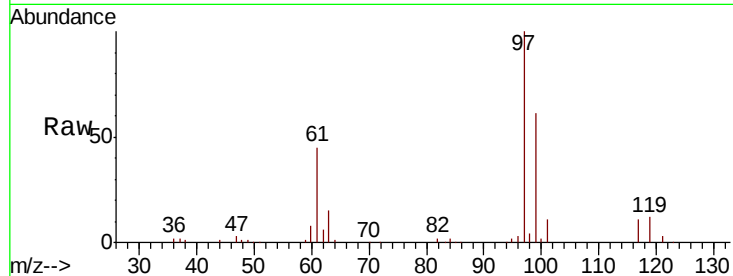




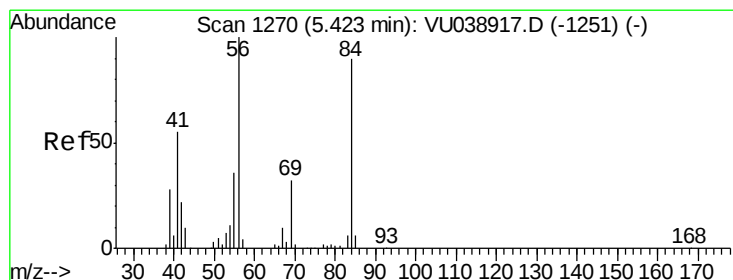
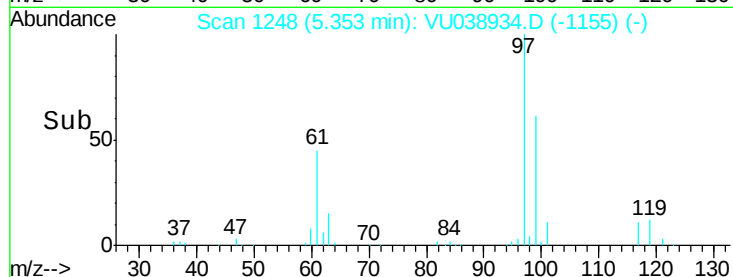
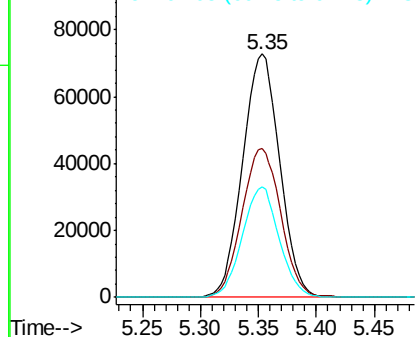
#29
 1,1,1-Trichloroethane
 Concen: 4.487 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion: 97 Resp: 162824
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.4 77.2
 61 45.0 36.3 54.5

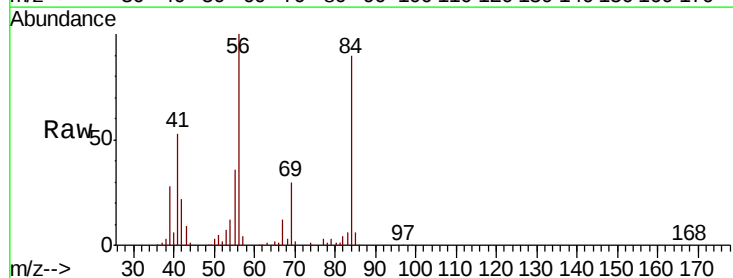


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

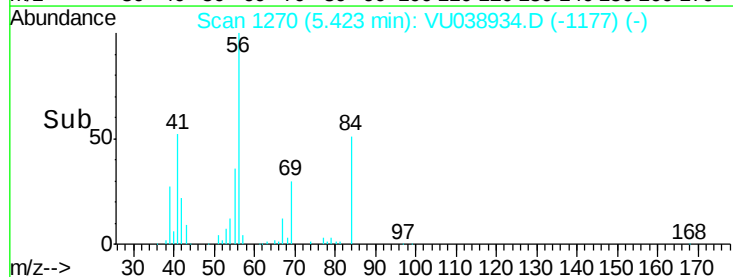
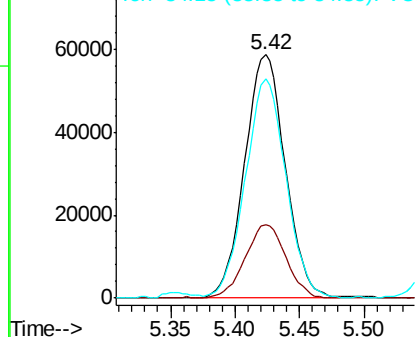


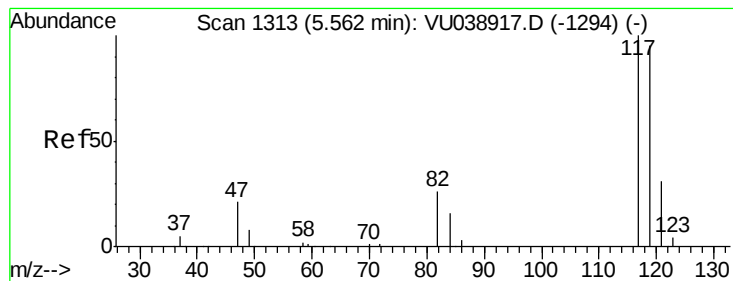
#30
 Cyclohexane
 Concen: 3.955 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

Tgt Ion: 56 Resp: 129274
 Ion Ratio Lower Upper
 56 100
 69 30.2 25.4 38.2
 84 89.5 72.1 108.1



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.228 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

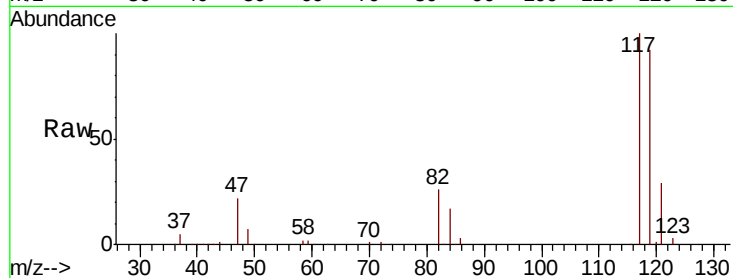
VSTD00527

Tot Ion:117 Resp: 130576

Ion Ratio Lower Upper

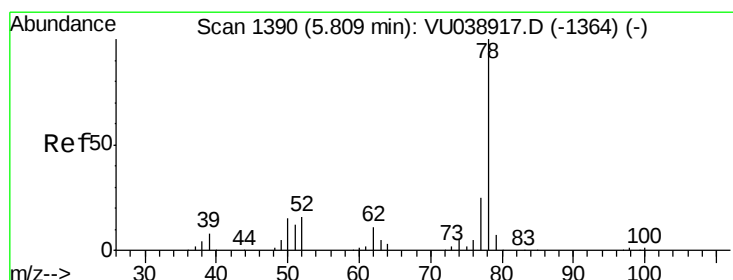
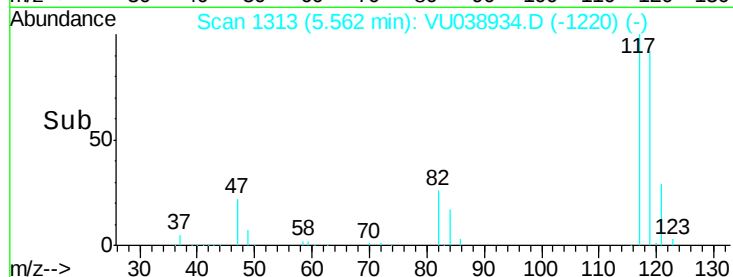
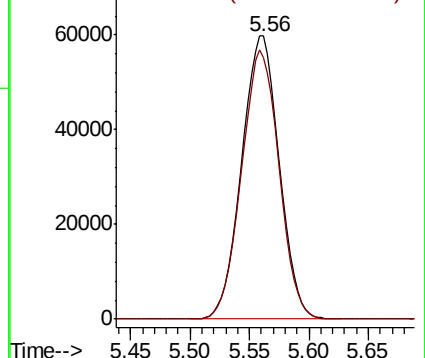
117 100

119 94.8 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: 4.597 ug/L

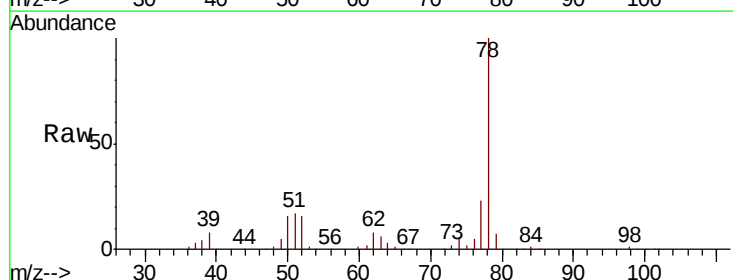
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

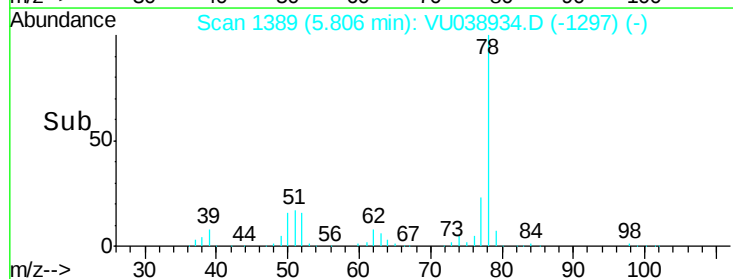
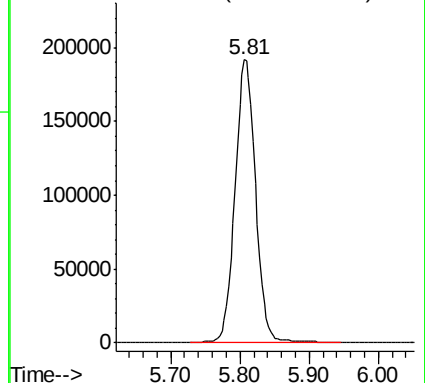
Lab File: VU038934.D

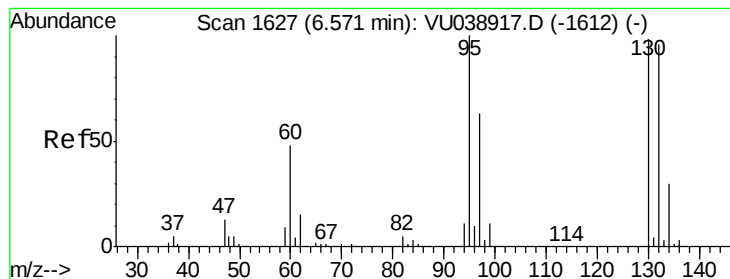
Acq: 16 Jun 2020 19:21

Tgt Ion: 78 Resp: 399957



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.374 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

Tot Ion: 95 Resp: 99369

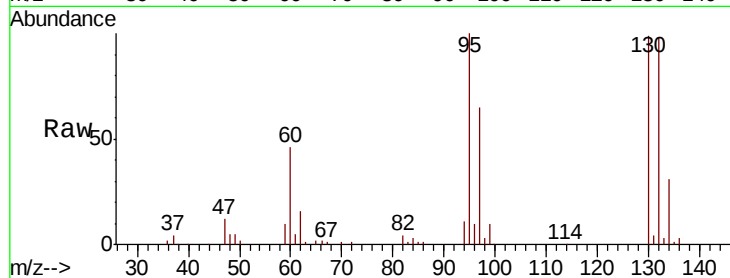
Ion Ratio Lower Upper

95 100

97 64.6 46.1 85.5

132 97.9 68.2 126.6

130 99.3 71.0 131.9

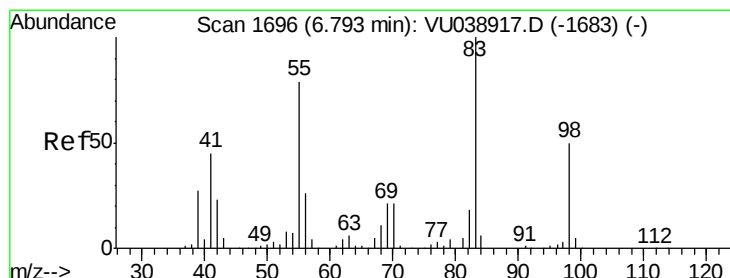
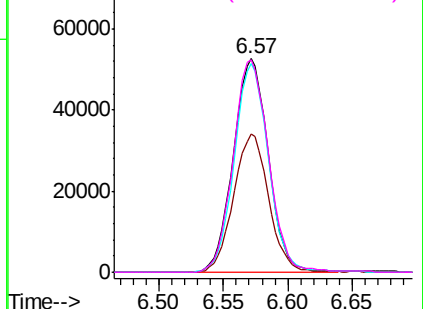
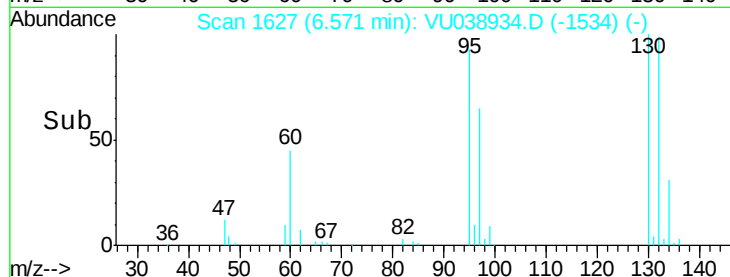


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 3.731 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

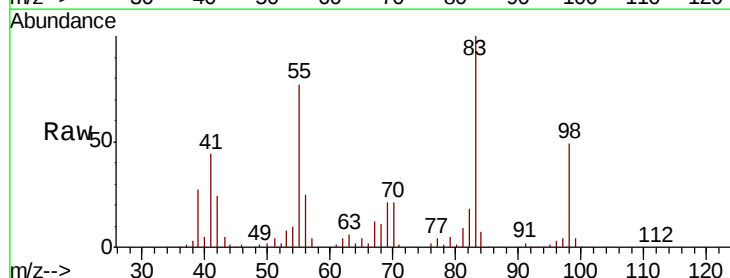
Tgt Ion: 83 Resp: 126271

Ion Ratio Lower Upper

83 100

55 78.5 63.6 95.4

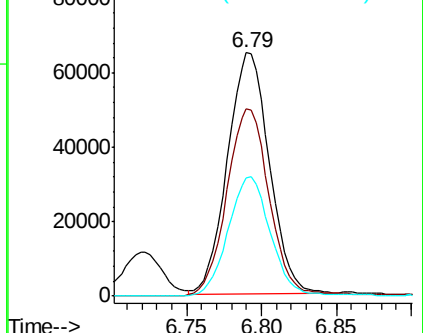
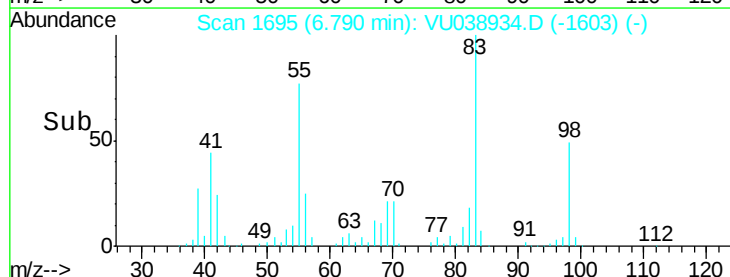
98 50.1 38.9 58.3

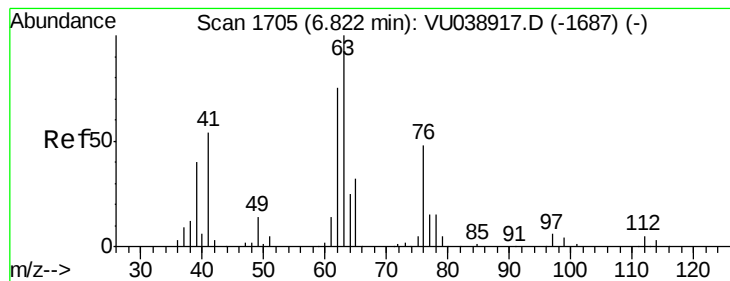


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.647 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

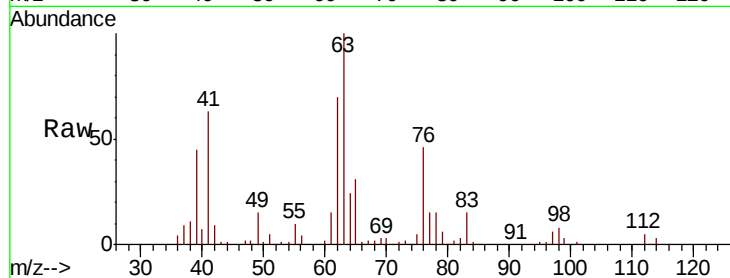
VSTD00527

Tot Ion: 63 Resp: 104321

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8

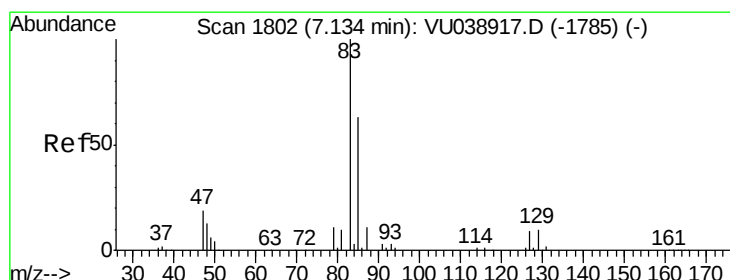
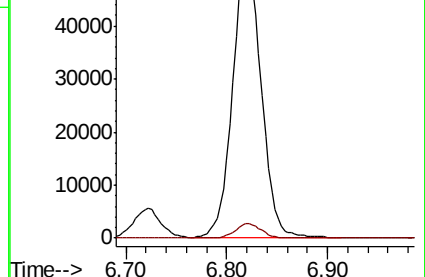
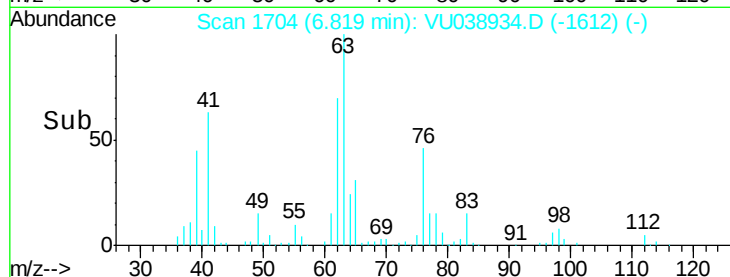


Abundance Ion 63.10 (62.80 to 63.80): VU038917.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU038917.D (-1687) (-)

6.82

Time-->



#38

Bromodichloromethane

Concen: 4.585 ug/L

RT: 7.13 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

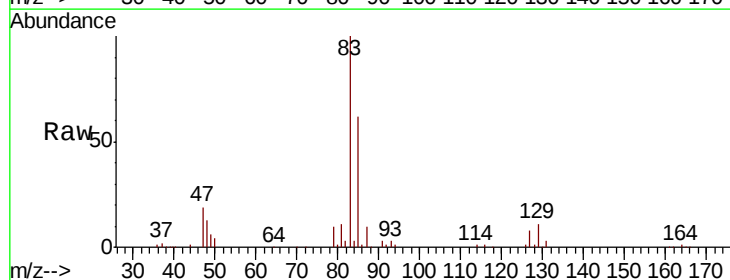
Tgt Ion: 83 Resp: 135343

Ion Ratio Lower Upper

83 100

85 62.0 44.8 83.2

127 8.0 6.3 9.5



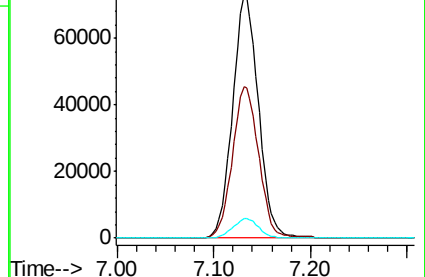
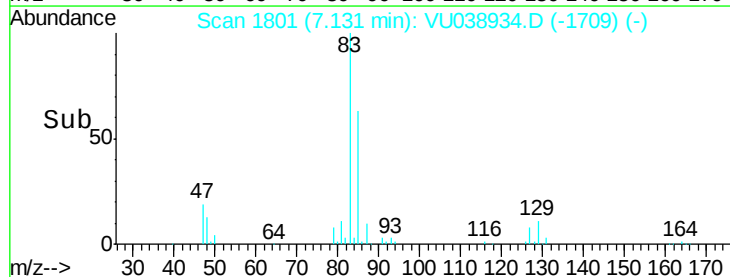
Abundance Ion 82.95 (82.65 to 83.65): VU038917.D (-1785) (-)

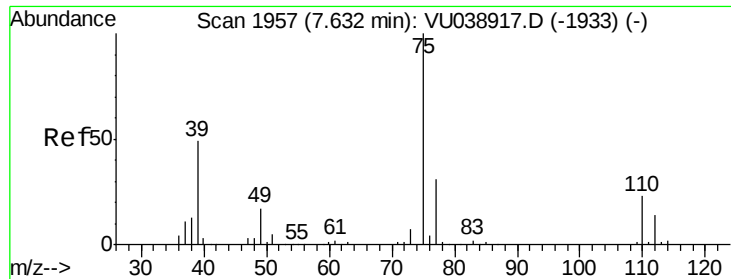
Ion 85.00 (84.70 to 85.70): VU038917.D (-1785) (-)

Ion 126.90 (126.60 to 127.60): VU038917.D (-1785) (-)

7.13

Time-->

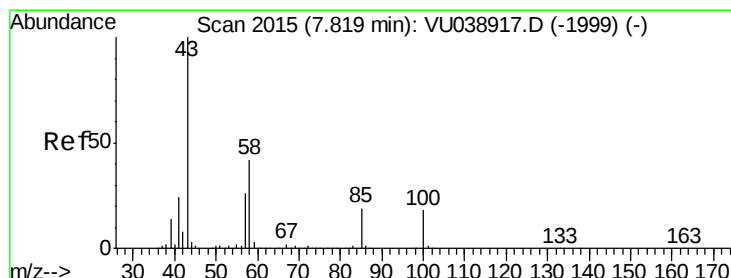
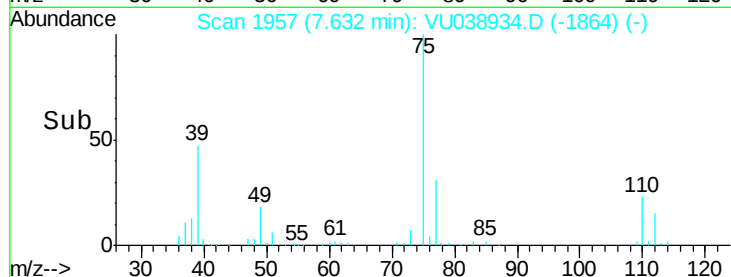
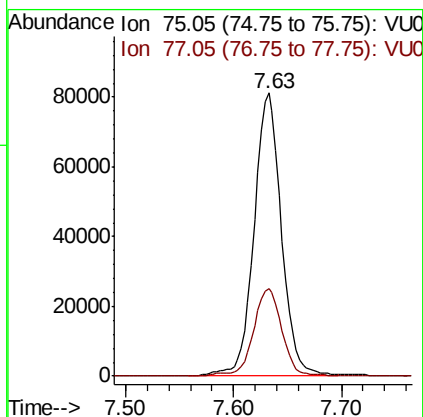
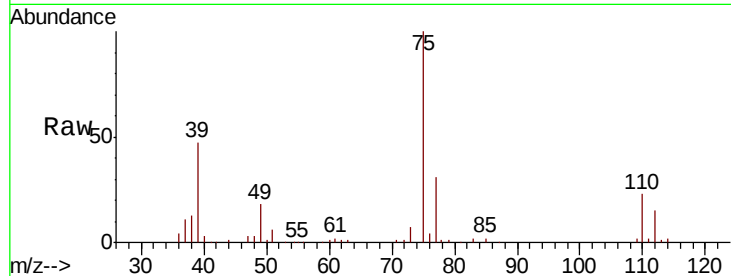




#39
 cis-1,3-Dichloropropene
 Concen: 4.455 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

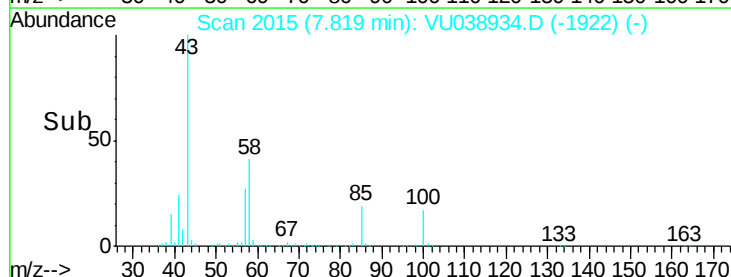
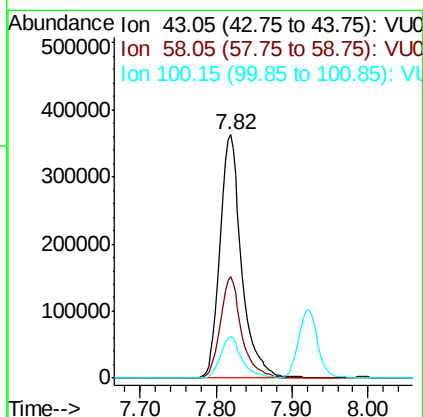
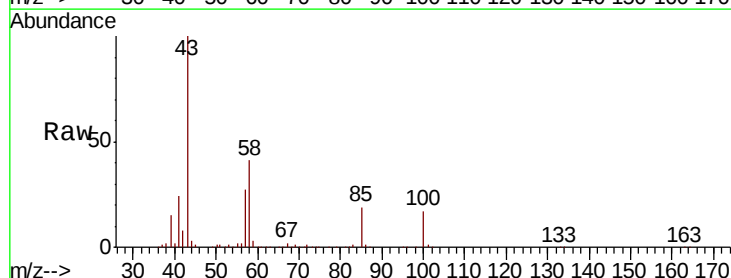
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

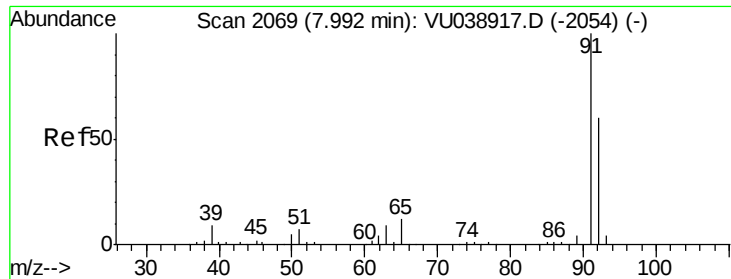
Tot Ion: 75 Resp: 143035
 Ion Ratio Lower Upper
 75 100
 77 30.9 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 46.845 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

Tgt Ion: 43 Resp: 717366
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.6 49.0
 100 16.9 13.8 20.6





#42

Toluene

Concen: 4.447 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

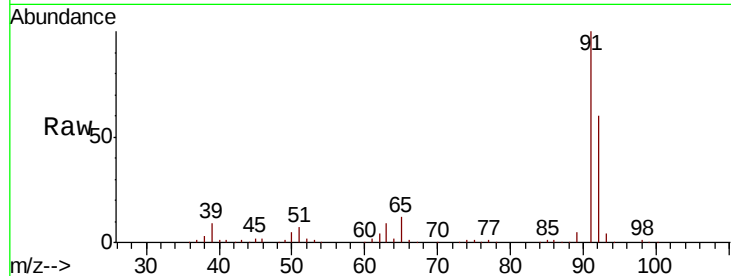
VSTD00527

Tot Ion: 91 Resp: 407768

Ion Ratio Lower Upper

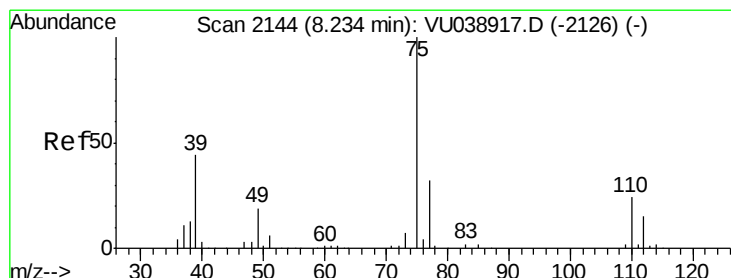
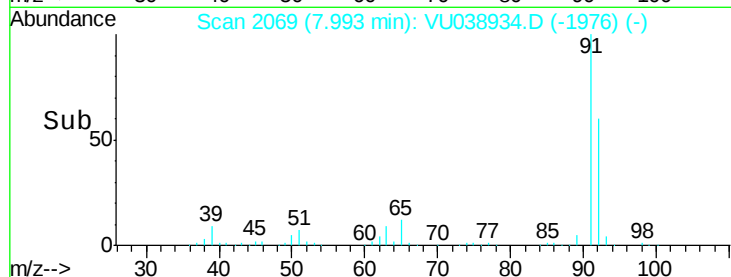
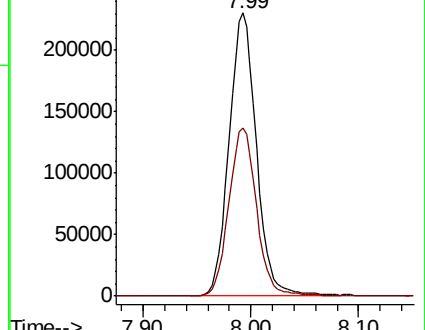
91 100

92 59.5 41.5 77.1



Abundance Ion 91.15 (90.85 to 91.85): VU038917.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038917.D (-2054) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.640 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038934.D

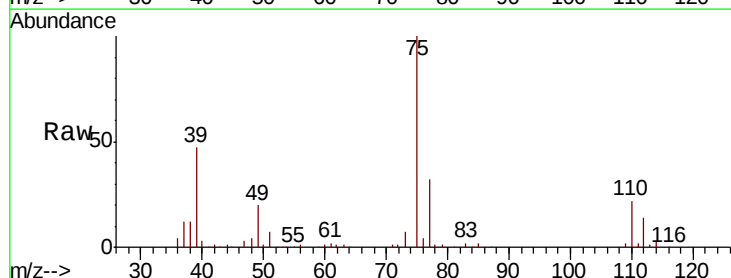
Acq: 16 Jun 2020 19:21

Tgt Ion: 75 Resp: 165626

Ion Ratio Lower Upper

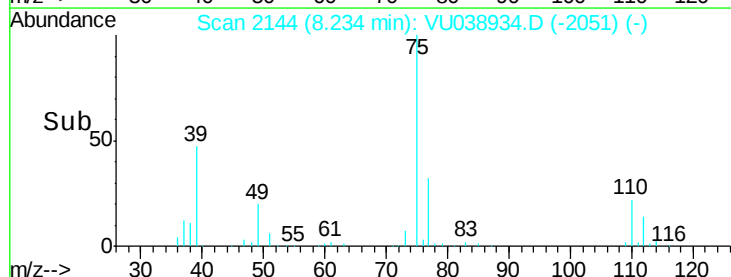
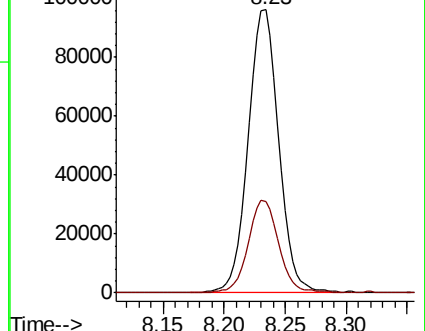
75 100

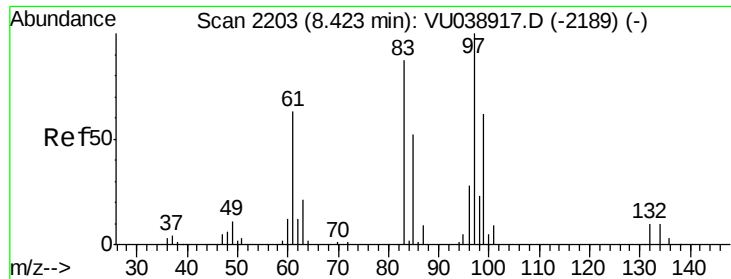
77 32.3 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU038917.D (-2126) (-)

Ion 77.05 (76.75 to 77.75): VU038917.D (-2126) (-)

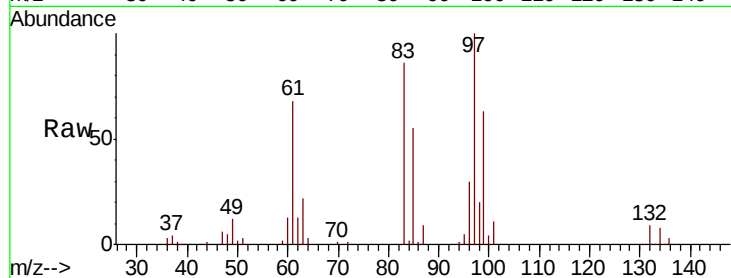




#45
 1,1,2-Trichloroethane
 Concen: 5.374 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:	97	Resp:	92216
Ion	Ratio	Lower	Upper
97	100		
99	63.1	45.4	84.2
83	85.9	60.6	112.6
85	55.5	39.0	72.4



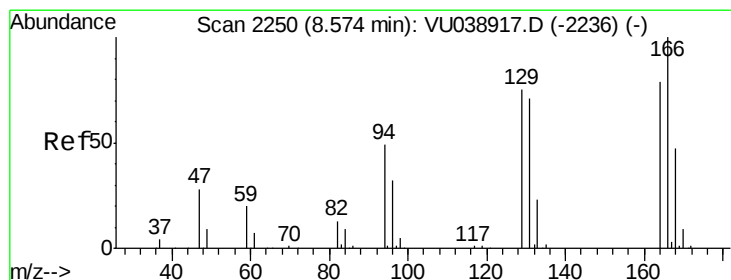
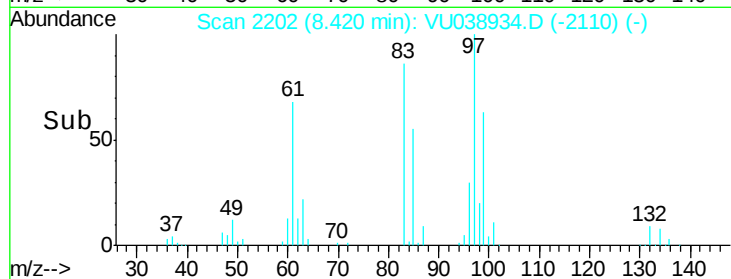
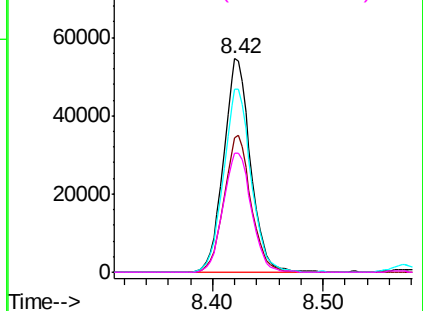
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

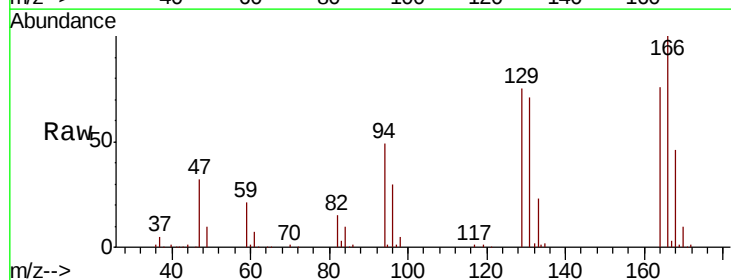
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.986 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

Tgt Ion:	164	Resp:	86820
Ion	Ratio	Lower	Upper
164	100		
129	98.8	65.5	121.7
131	93.3	63.9	118.7
166	130.9	87.9	163.3



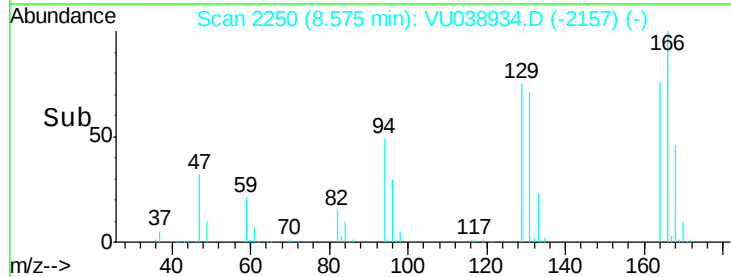
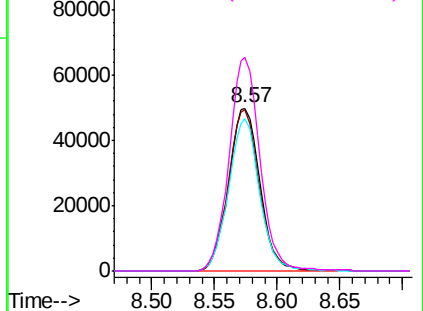
Abundance

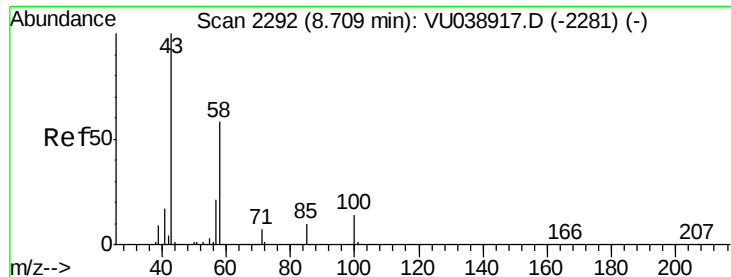
Ion 163.90 (163.60 to 164.60): V

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

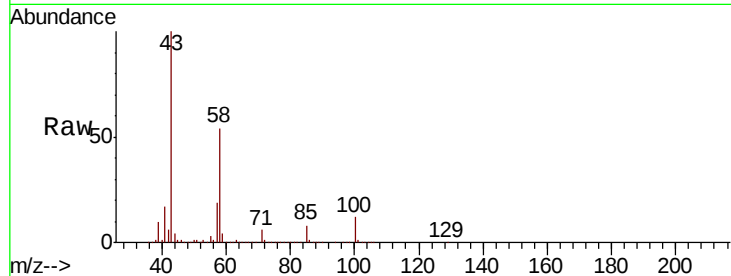




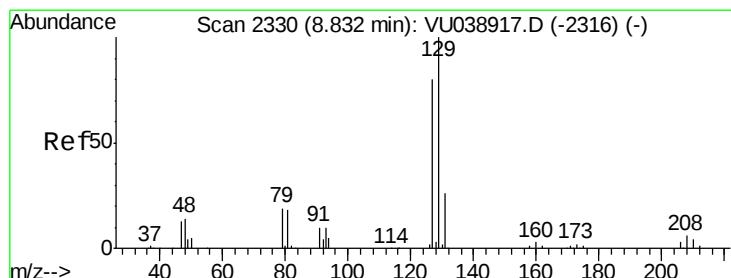
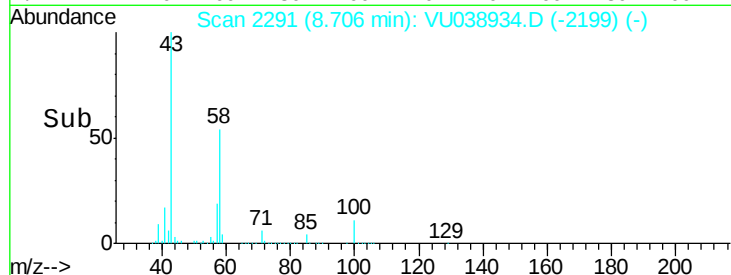
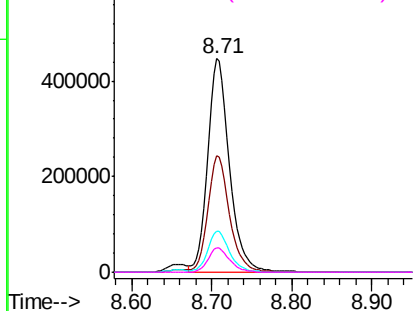
#48
2-Hexanone
Concen: 69.619 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038934.D
Acq: 16 Jun 2020 19:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion: 43 Resp: 845171
Ion Ratio Lower Upper
43 100
58 55.4 45.4 68.2
57 19.2 16.4 24.6
100 11.5 10.6 15.8

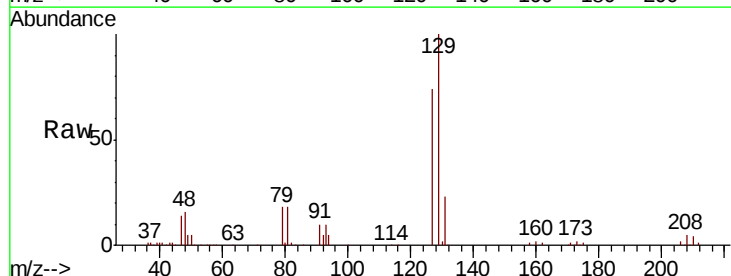


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

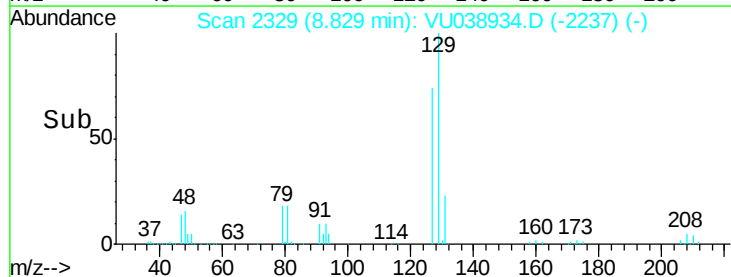
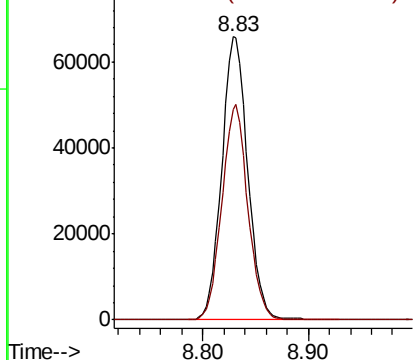


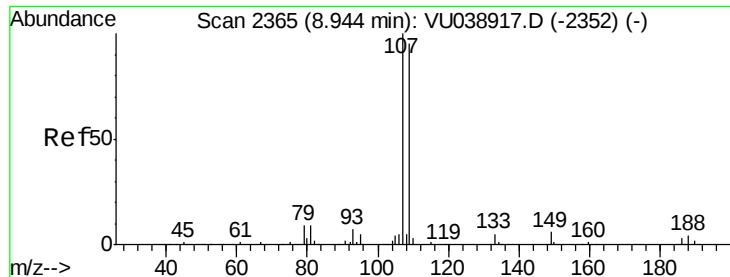
#49
Dibromochloromethane
Concen: 5.633 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU038934.D
Acq: 16 Jun 2020 19:21

Tgt Ion: 129 Resp: 112164
Ion Ratio Lower Upper
129 100
127 74.3 56.7 105.3



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

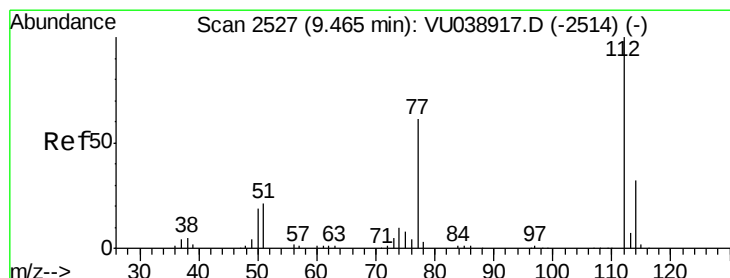
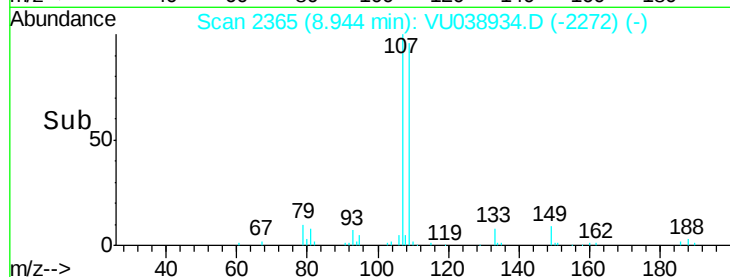
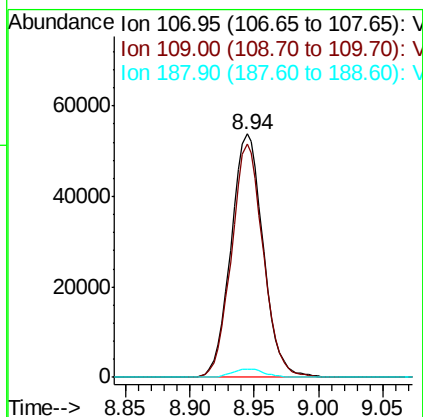
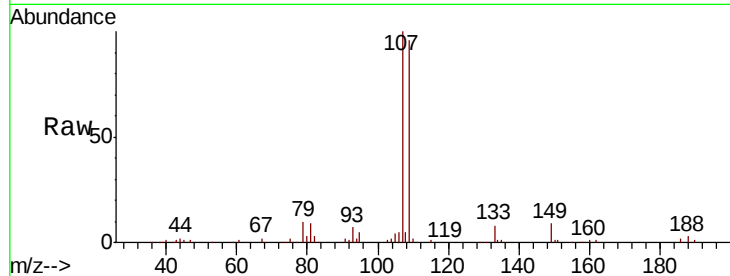




#50
 1,2-Dibromoethane
 Concen: 5.611 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

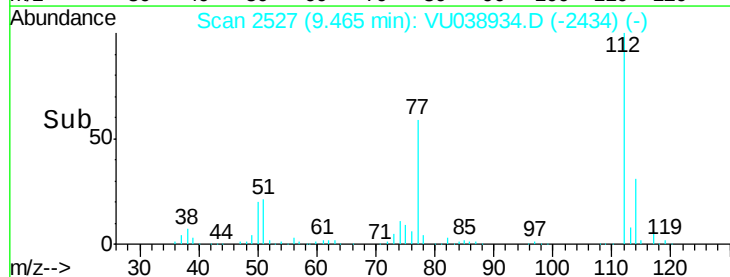
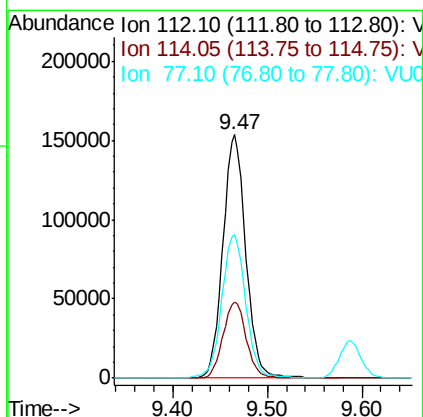
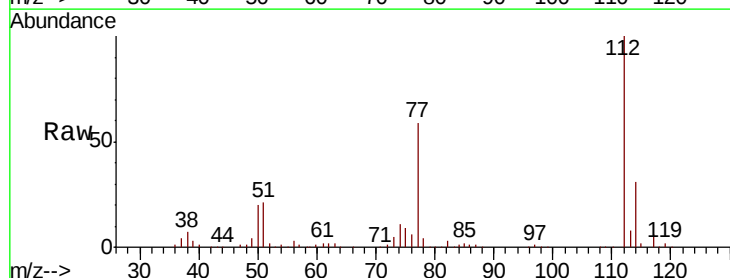
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

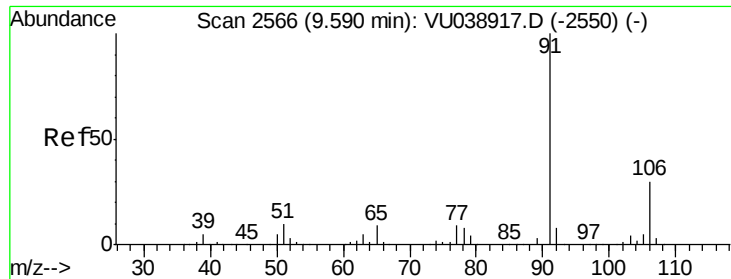
Tot Ion:107 Resp: 93329
 Ion Ratio Lower Upper
 107 100
 109 96.0 67.5 125.4
 188 3.5 2.9 4.3



#51
 Chlorobenzene
 Concen: 4.321 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

Tgt Ion:112 Resp: 257827
 Ion Ratio Lower Upper
 112 100
 114 31.4 21.8 40.4
 77 59.1 48.3 72.5





#52

Ethylbenzene

Concen: 4.138 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

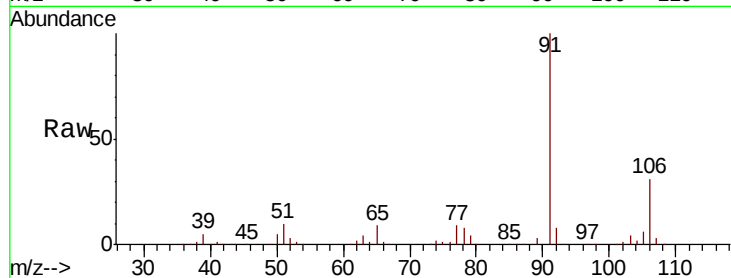
VSTD00527

Tot Ion: 91 Resp: 422230

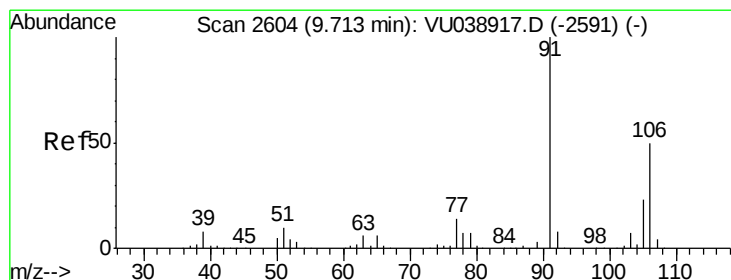
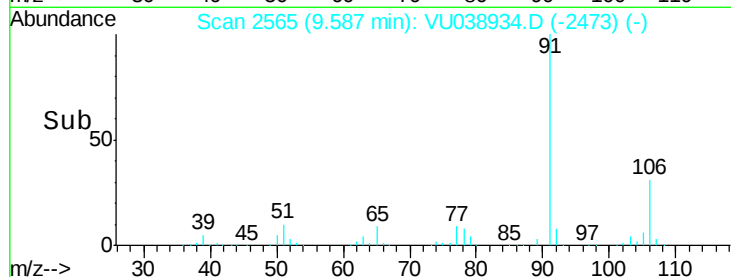
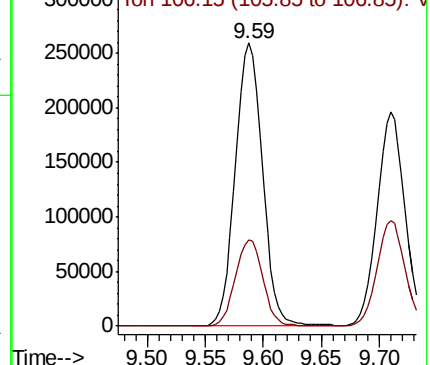
Ion Ratio Lower Upper

91 100

106 30.6 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VU038917.D (-2550) (-)



#53

m,p-Xylene

Concen: 4.273 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038934.D

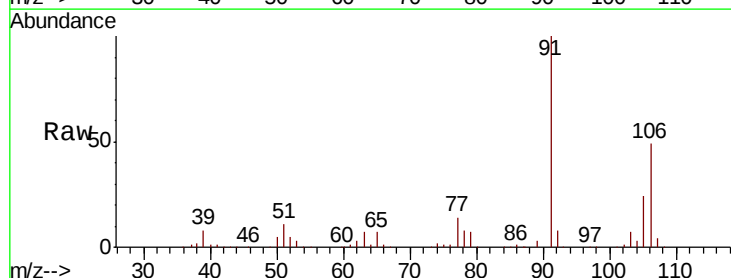
Acq: 16 Jun 2020 19:21

Tgt Ion: 106 Resp: 163809

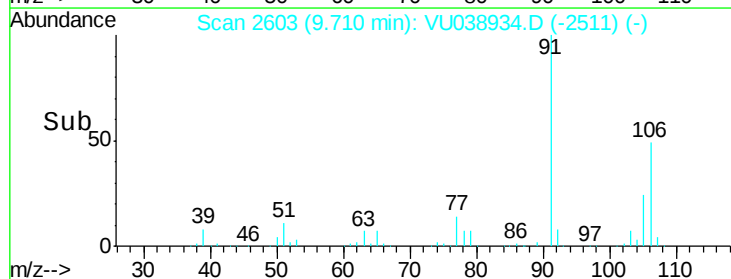
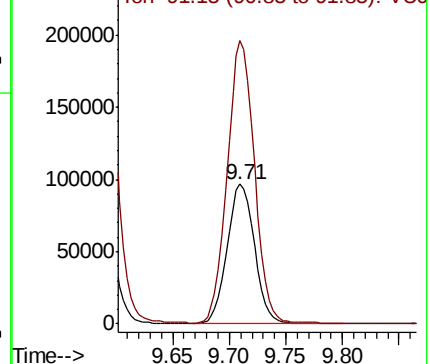
Ion Ratio Lower Upper

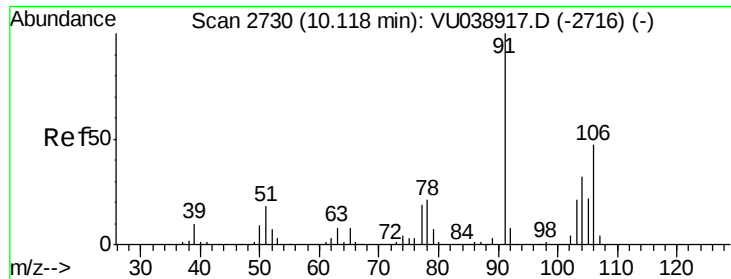
106 100

91 202.2 143.1 265.7



Abundance Ion 106.15 (105.85 to 106.85): VU038917.D (-2591) (-)

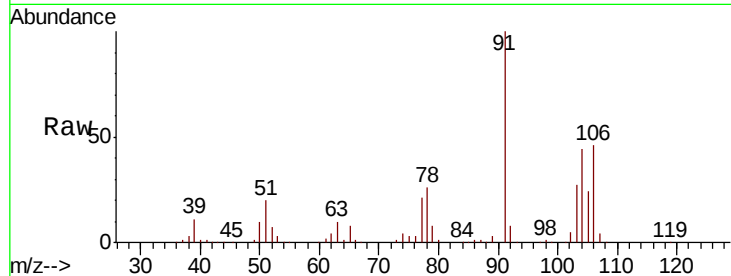




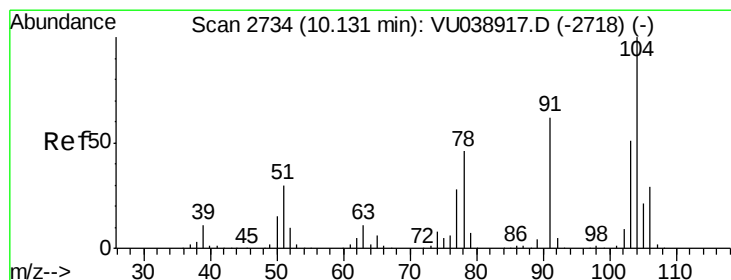
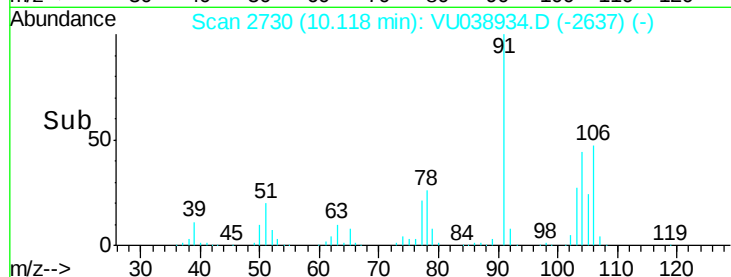
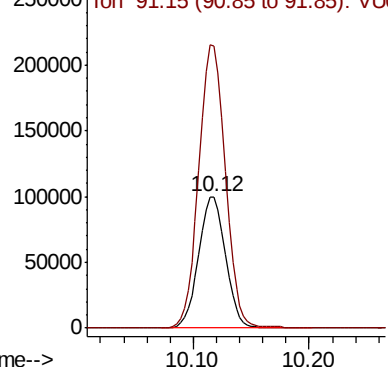
#54
o-Xylene
Concen: 4.346 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038934.D
Acq: 16 Jun 2020 19:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion:106 Resp: 160317
Ion Ratio Lower Upper
106 100
91 215.1 152.0 282.4

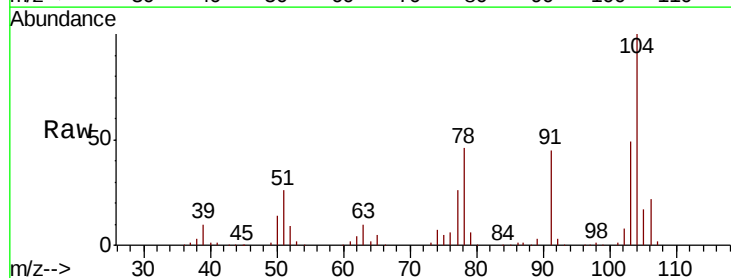


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

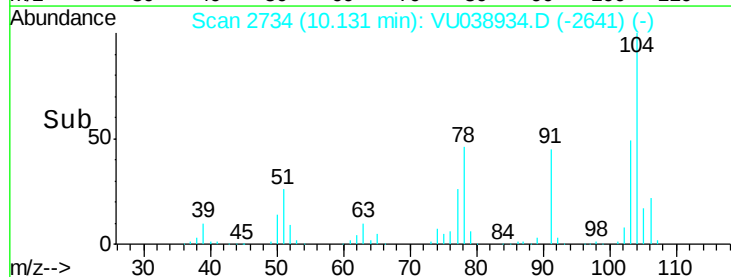
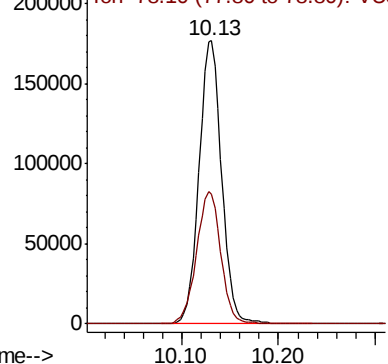


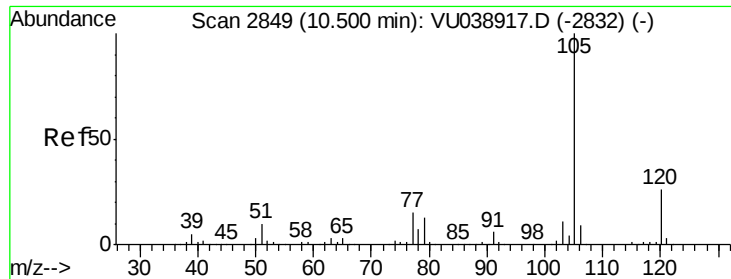
#55
Styrene
Concen: 4.480 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU038934.D
Acq: 16 Jun 2020 19:21

Tgt Ion:104 Resp: 287069
Ion Ratio Lower Upper
104 100
78 45.7 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: 4.174 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

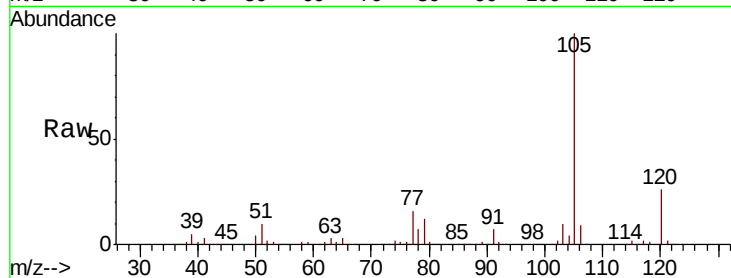
Tot Ion:105 Resp: 399823

Ion Ratio Lower Upper

105 100

120 25.9 20.6 30.8

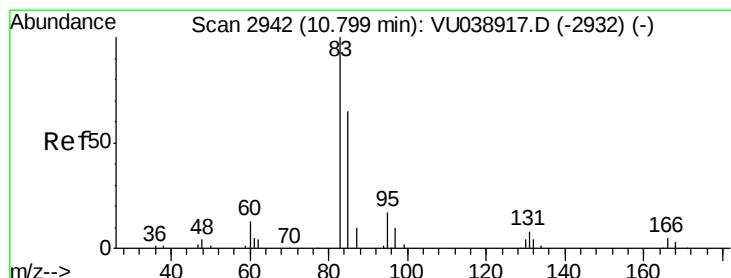
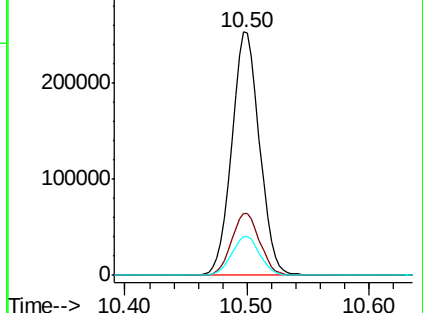
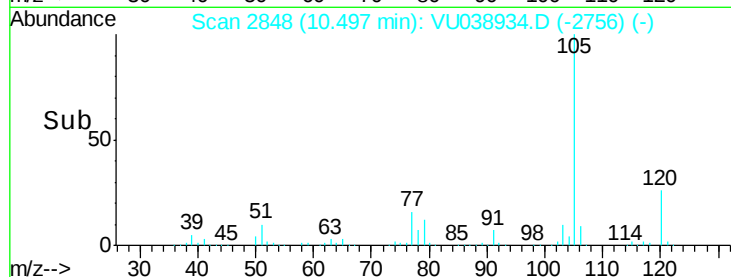
77 16.1 12.6 19.0



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: 4.506 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

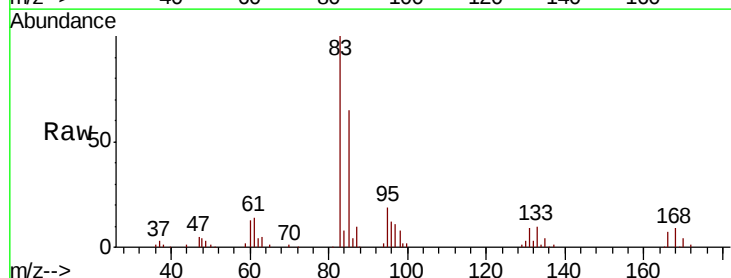
Tgt Ion: 83 Resp: 99134

Ion Ratio Lower Upper

83 100

85 64.9 46.3 85.9

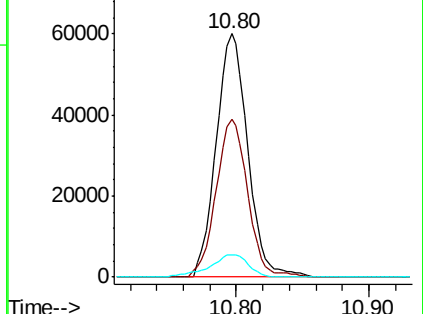
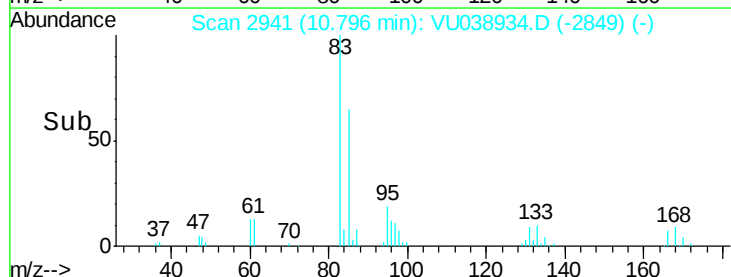
131 9.4 8.3 12.5

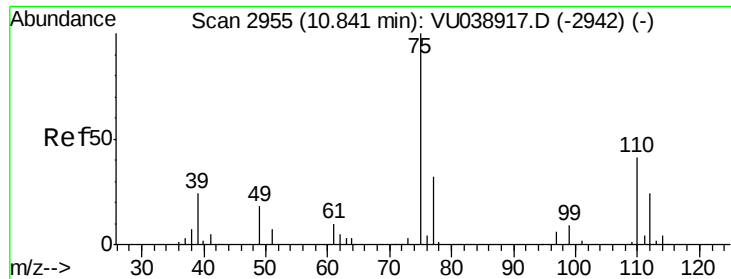


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

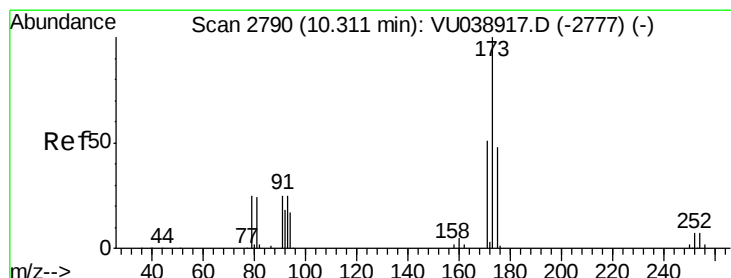
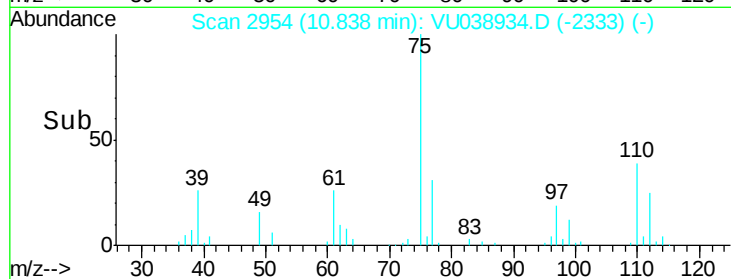
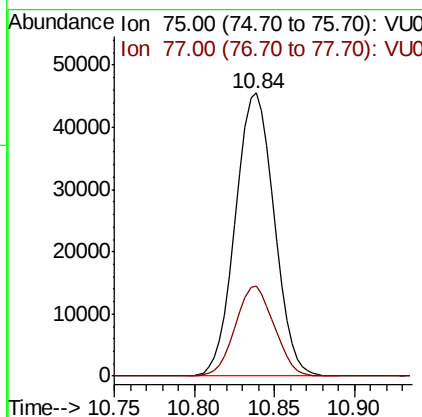
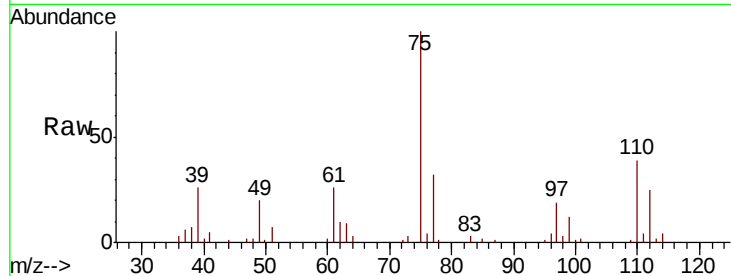




#59
 1,2,3-Trichloropropane
 Concen: 4.351 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

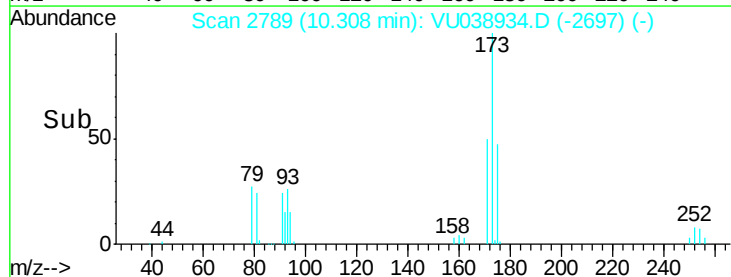
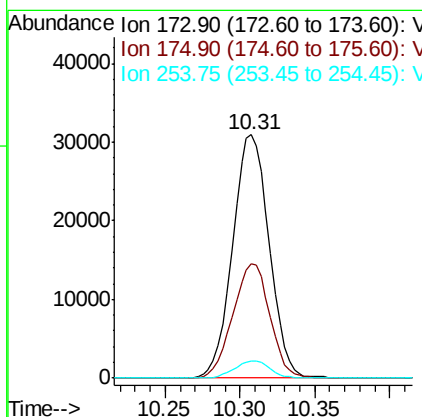
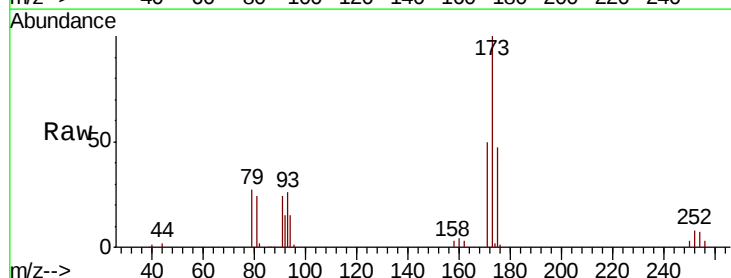
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

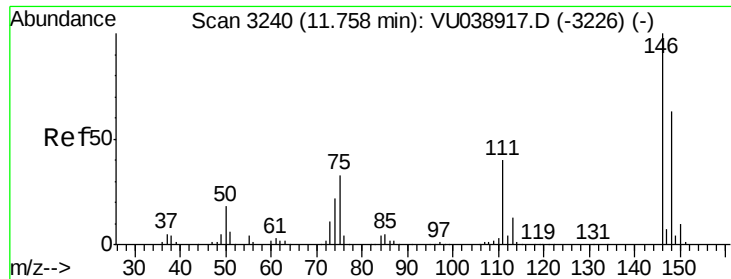
Tot Ion: 75 Resp: 75281
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.9 38.9



#61
 Bromoform
 Concen: 4.488 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

Tgt Ion: 173 Resp: 52543
 Ion Ratio Lower Upper
 173 100
 175 47.5 39.0 58.4
 254 6.8 6.0 9.0





#62

1,3-Dichlorobenzene

Concen: 4.318 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

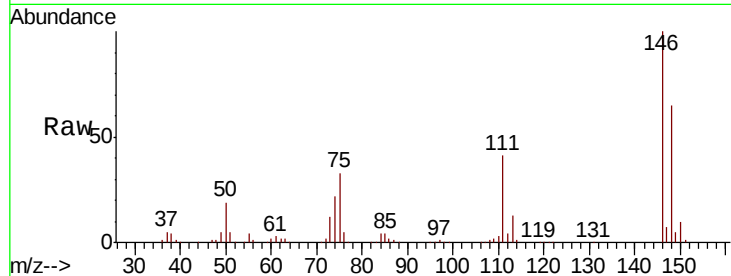
Tot Ion:146 Resp: 209063

Ion Ratio Lower Upper

146 100

111 41.4 29.0 53.8

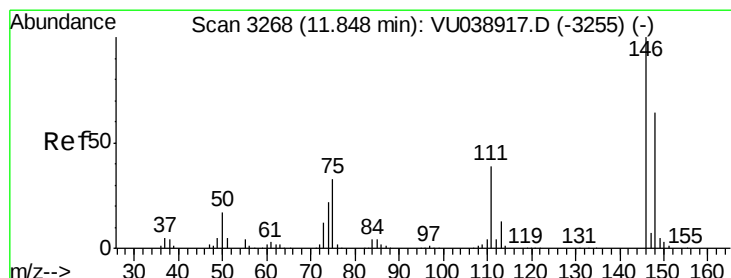
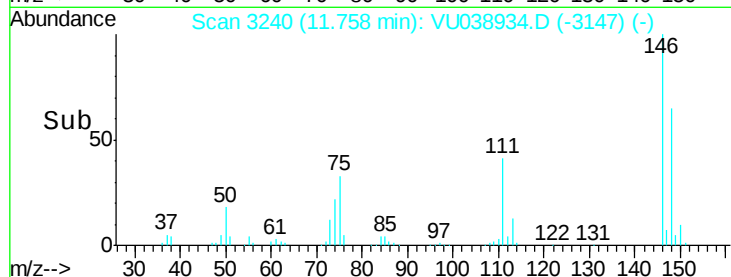
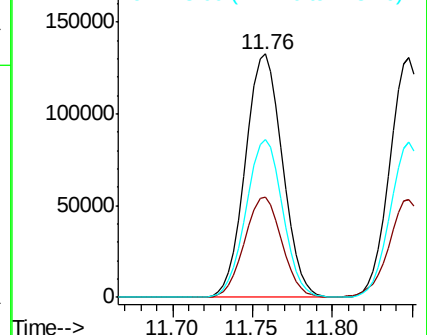
148 65.1 43.7 81.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.227 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

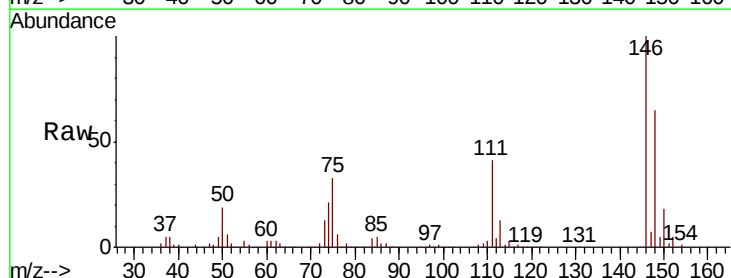
Tgt Ion:146 Resp: 207352

Ion Ratio Lower Upper

146 100

111 40.8 27.7 51.5

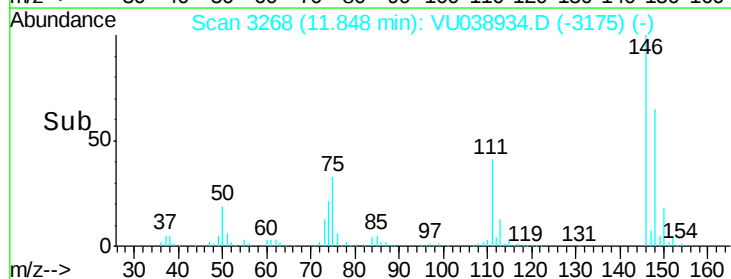
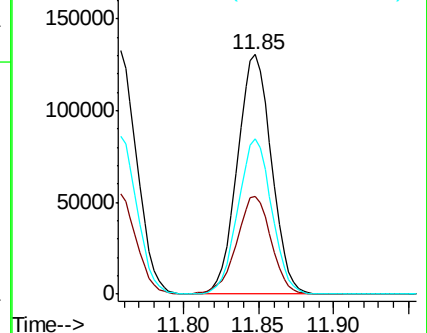
148 64.7 44.1 81.9

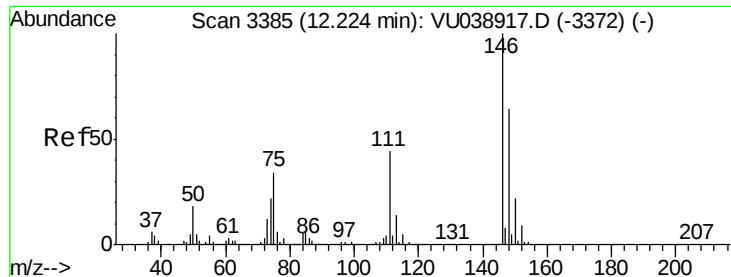


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

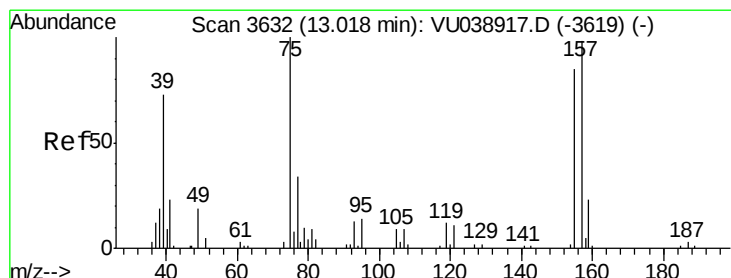
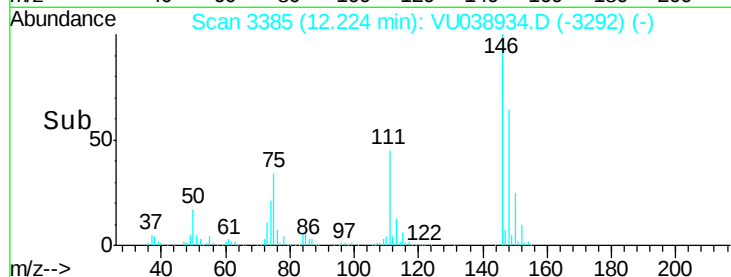
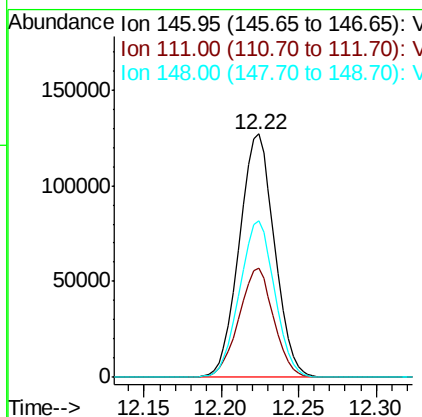
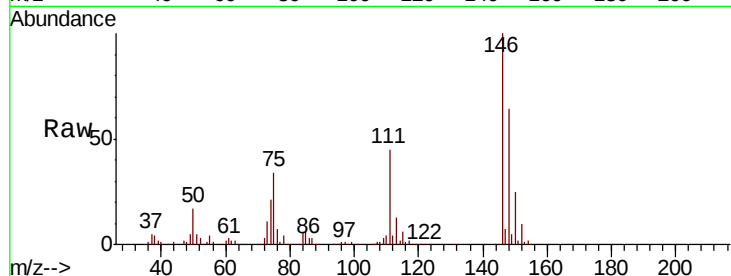




#65
 1,2-Dichlorobenzene
 Concen: 4.179 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

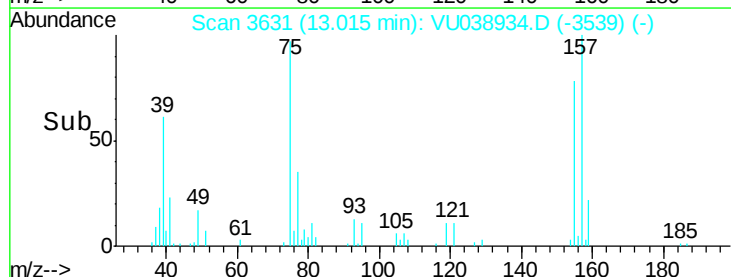
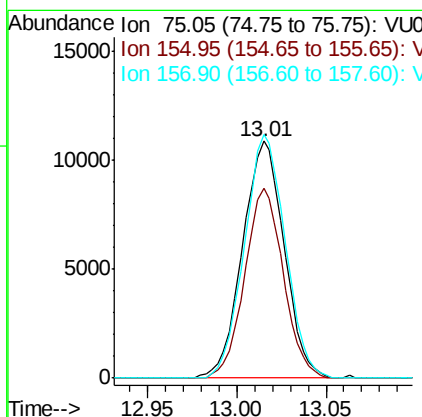
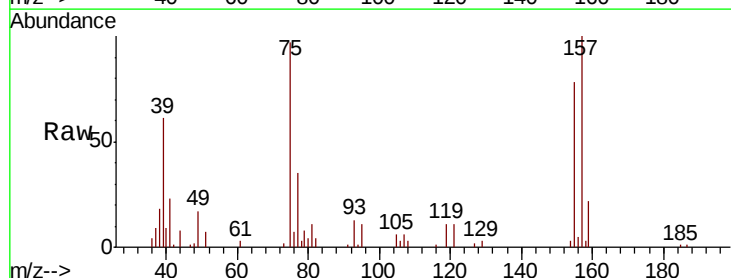
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

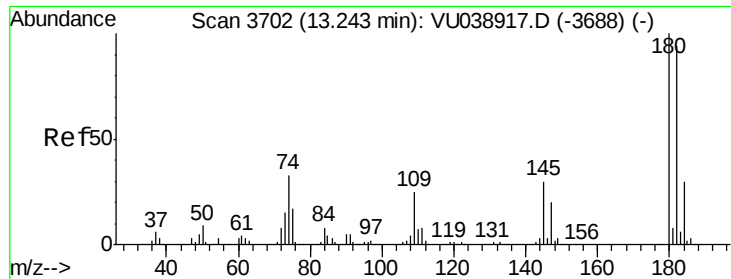
Tot Ion:146 Resp: 201063
 Ion Ratio Lower Upper
 146 100
 111 44.7 35.1 52.7
 148 64.4 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.170 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

Tgt Ion: 75 Resp: 17768
 Ion Ratio Lower Upper
 75 100
 155 80.2 64.0 96.0
 157 102.9 75.4 113.2

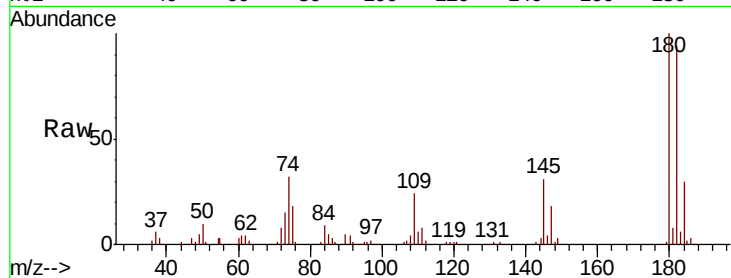




#67
 1,3,5-Trichlorobenzene
 Concen: 4.049 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.6
184	30.5	24.6	36.8
145	30.0	25.0	37.6



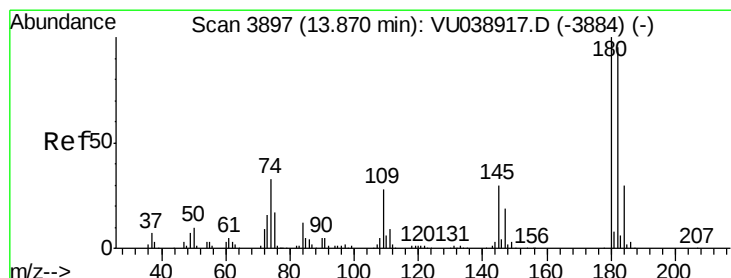
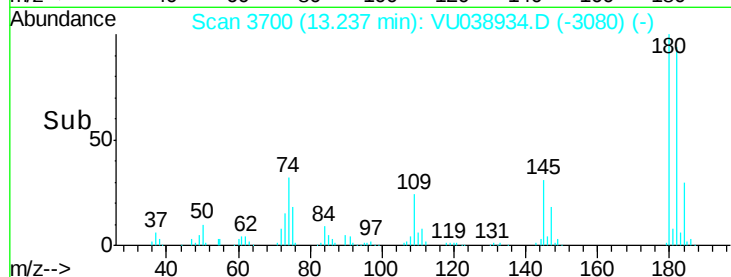
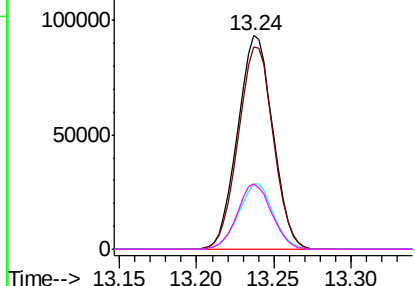
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

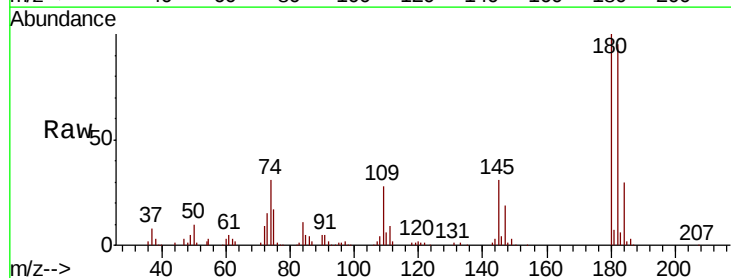
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.446 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038934.D
 Acq: 16 Jun 2020 19:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.9	113.9
145	31.1	24.7	37.1

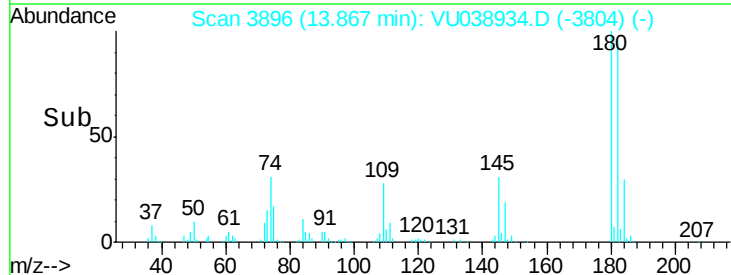
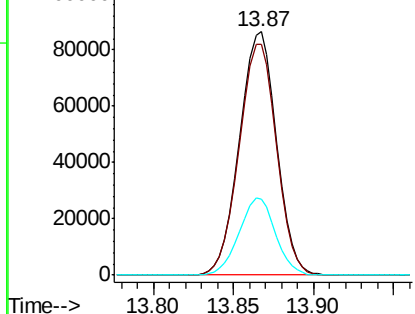


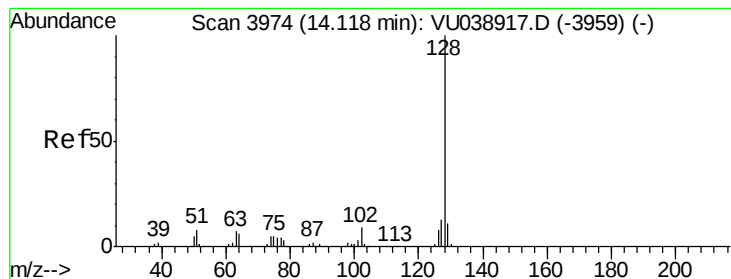
Abundance

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: 5.061 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

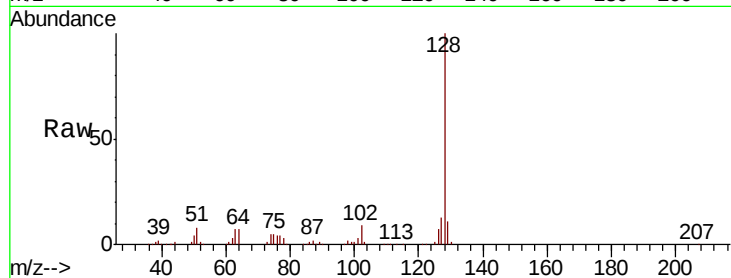
Tot Ion:128 Resp: 290785

Ion Ratio Lower Upper

128 100

129 10.9 8.2 12.4

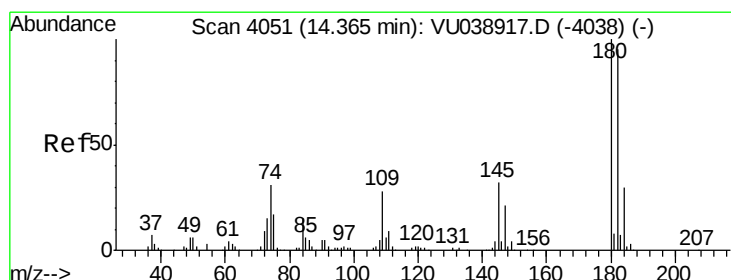
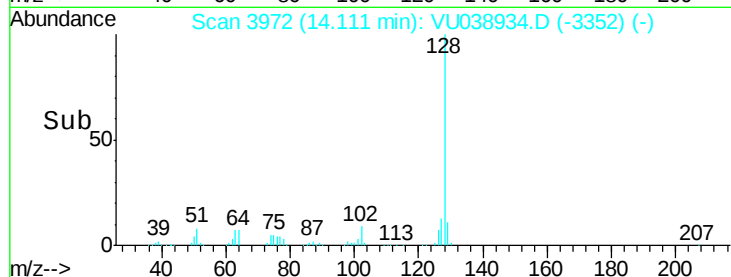
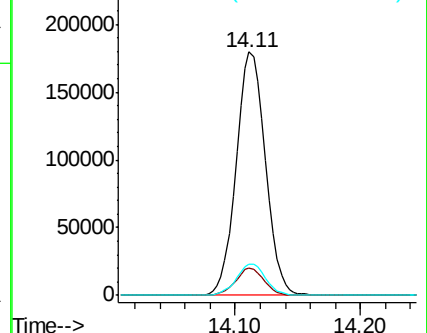
127 12.8 10.1 15.1



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: 4.916 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038934.D

Acq: 16 Jun 2020 19:21

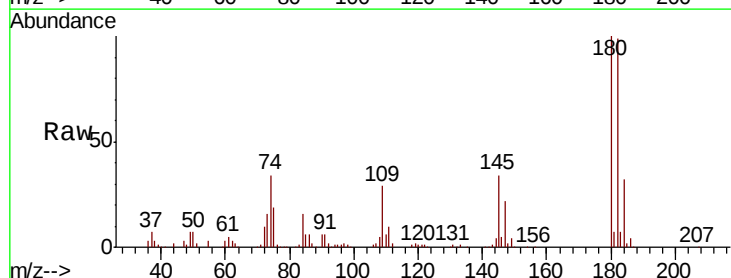
Tgt Ion:180 Resp: 140555

Ion Ratio Lower Upper

180 100

182 96.3 75.1 112.7

145 33.9 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

