

Data File : VU036800.D
Acq On : 14 Feb 2020 20:38
Operator : JC/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Quant Time: Feb 14 23:44:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 14 23:39:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	121291	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	112683	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	50737	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	42850	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.93	69	41159	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.59	63	77240	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.60%
20) 2-Butanone-d5	4.67	46	123461	56.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.88%
24) Chloroform-d	5.11	84	80937	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.74	65	45084	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.76	84	167512	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.73	67	54419	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.93	98	151658	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	8.20	79	19872	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.66	63	106215	55.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.06%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	44457	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	50047	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	37741	4.712	ug/L 99
3) Chloromethane	1.54	50	40839	4.898	ug/L 98
5) Vinyl chloride	1.62	62	47621	4.890	ug/L 97
6) Bromomethane	1.87	94	26935	4.603	ug/L 98
8) Chloroethane	1.95	64	30929	4.546	ug/L 98
9) Trichlorofluoromethane	2.16	101	59755	4.664	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	37296	4.558	ug/L 99
12) 1,1-Dichloroethene	2.60	96	35570	4.821	ug/L 96
13) Acetone	2.66	43	79682	28.487	ug/L 99
14) Carbon disulfide	2.82	76	81008	4.550	ug/L 100
15) Methyl Acetate	2.99	43	19637	5.291	ug/L 99
16) Methylene chloride	3.08	84	44909	3.611	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	112455	5.146	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	37314	4.901	ug/L 98
19) 1,1-Dichloroethane	3.91	63	80861	5.065	ug/L 98
21) 2-Butanone	4.75	43	130836	40.211	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	46050	4.998	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	18422	5.030	ug/L	97
25) Chloroform	5.13	83	81285	4.767	ug/L	99
27) 1,2-Dichloroethane	5.83	62	53889	4.958	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	60857	4.917	ug/L	100
30) Cyclohexane	5.43	56	64648	4.918	ug/L	97
31) Carbon tetrachloride	5.56	117	46887	4.696	ug/L	99
33) Benzene	5.81	78	174872	5.031	ug/L	100
34) Trichloroethene	6.57	95	43735	4.941	ug/L	98
35) Methylcyclohexane	6.79	83	67044	4.773	ug/L	98
37) 1,2-Dichloropropane	6.83	63	48228	5.082	ug/L	99
38) Bromodichloromethane	7.14	83	57073	5.040	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	67157	4.891	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	323728	52.862	ug/L	100
42) Toluene	8.00	91	187365	5.019	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	52646	4.906	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	34427	5.214	ug/L	98
47) Tetrachloroethene	8.58	164	28509	4.734	ug/L	97
48) 2-Hexanone	8.71	43	233399	44.535	ug/L	99
49) Dibromochloromethane	8.84	129	34416	5.041	ug/L	100
50) 1,2-Dibromoethane	8.95	107	30486	5.112	ug/L	100
51) Chlorobenzene	9.47	112	115010	4.980	ug/L	99
52) Ethylbenzene	9.59	91	205013	4.917	ug/L	100
53) m,p-Xylene	9.72	106	76053	4.957	ug/L	97
54) o-Xylene	10.12	106	74917	4.972	ug/L	96
55) Styrene	10.13	104	126786	4.992	ug/L	97
56) Isopropylbenzene	10.50	105	200222	4.966	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	45504	5.265	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	32821	5.238	ug/L	97
61) Bromoform	10.31	173	17646	5.048	ug/L	95
62) 1,3-Dichlorobenzene	11.76	146	85429	4.887	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	85374	4.927	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	82713	4.908	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	6478	5.151	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	61383	4.988	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	46241	4.983	ug/L	99
69) Naphthalene	14.12	128	87621	5.211	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	42819	5.141	ug/L	97

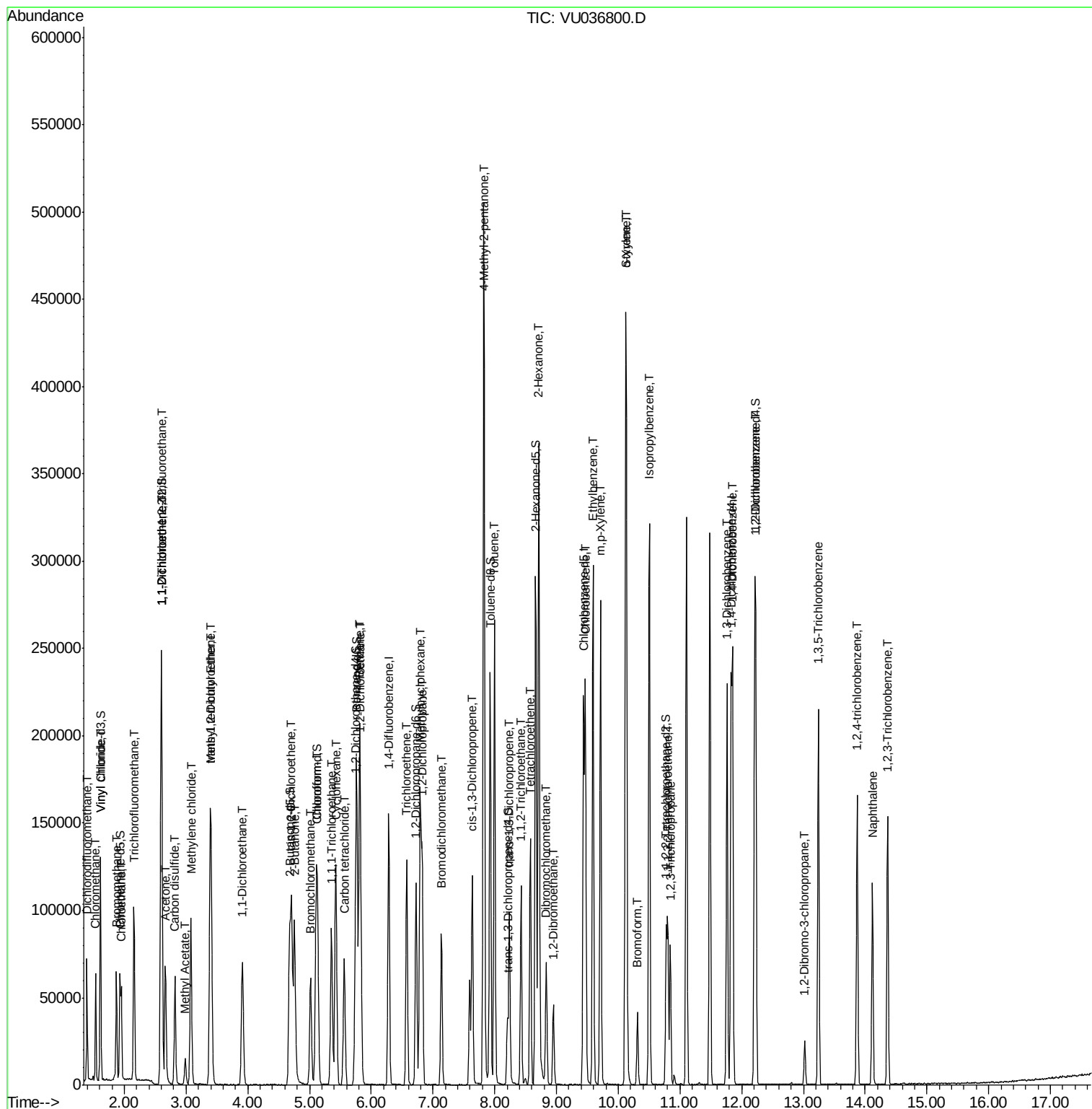
(#) = qualifier out of range (m) = manual integration (+) = signals summed

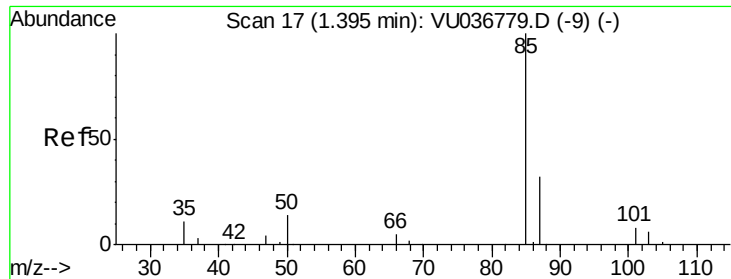
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#2

Dichlorodifluoromethane

Concen: 4.712 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

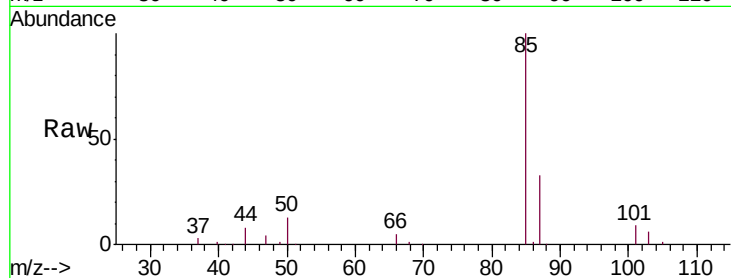
VSTD00519

Tgt Ion: 85 Resp: 37741

Ion Ratio Lower Upper

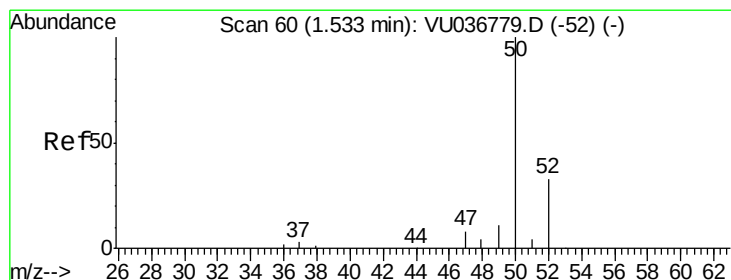
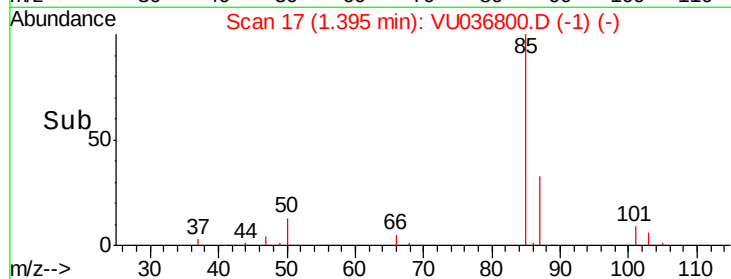
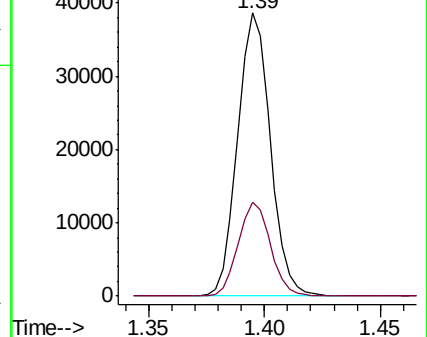
85 100

87 32.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036779.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036779.D (-9) (-)



#3

Chloromethane

Concen: 4.898 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036800.D

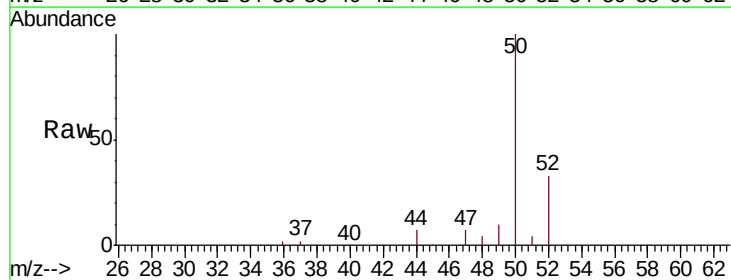
Acq: 14 Feb 2020 20:38

Tgt Ion: 50 Resp: 40839

Ion Ratio Lower Upper

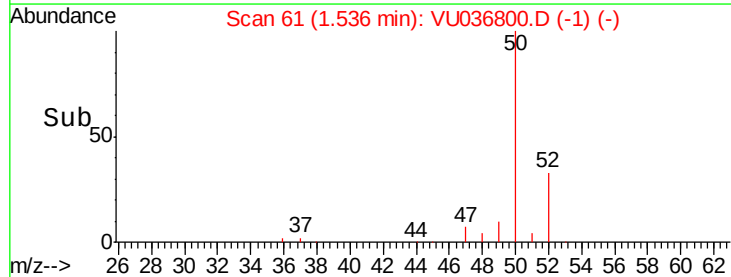
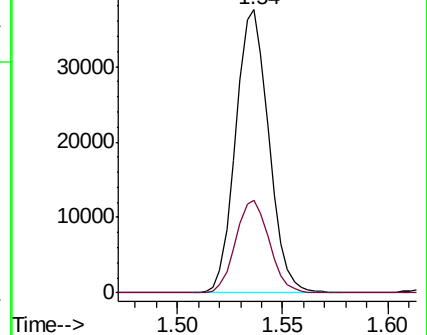
50 100

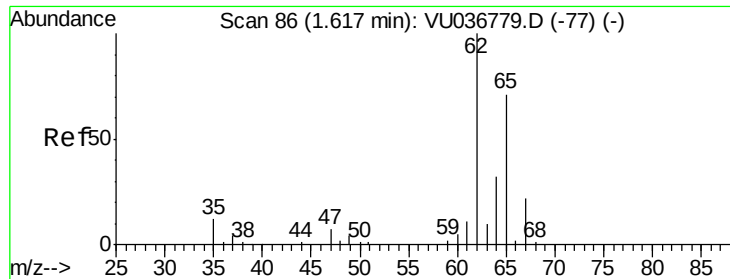
52 32.7 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036779.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036779.D (-52) (-)





#5

Vinyl chloride

Concen: 4.890 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

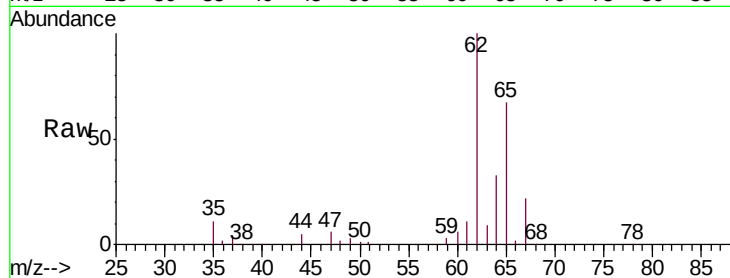
VSTD00519

Tgt Ion: 62 Resp: 47621

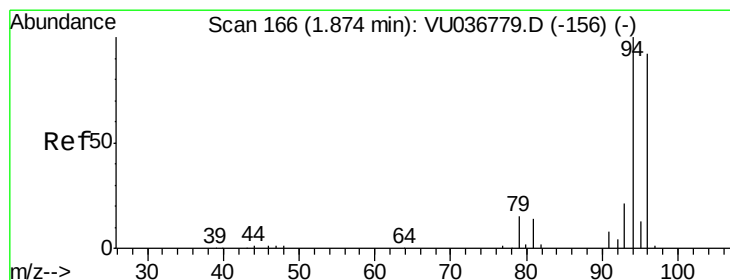
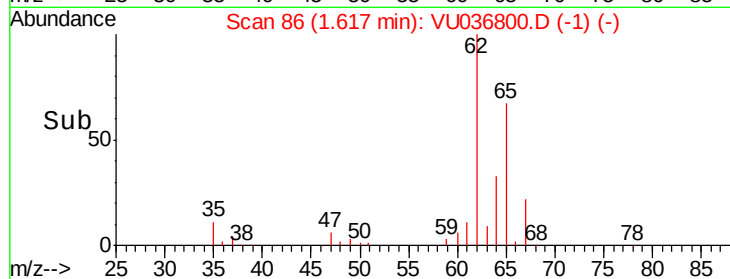
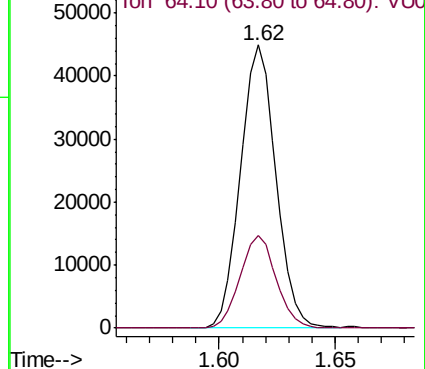
Ion Ratio Lower Upper

62 100

64 32.6 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU036779.D (-77) (-)



#6

Bromomethane

Concen: 4.603 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036800.D

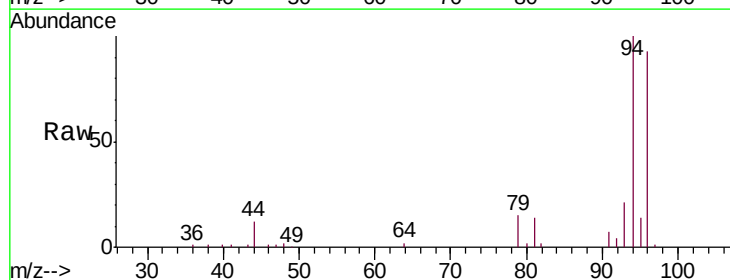
Acq: 14 Feb 2020 20:38

Tgt Ion: 94 Resp: 26935

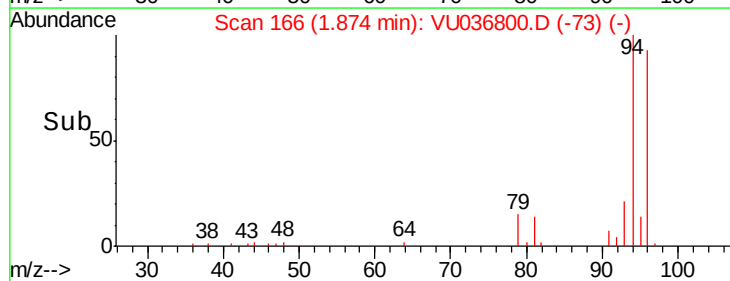
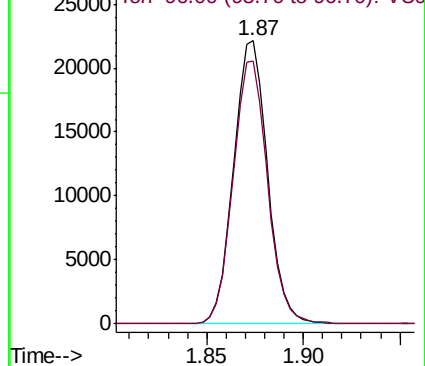
Ion Ratio Lower Upper

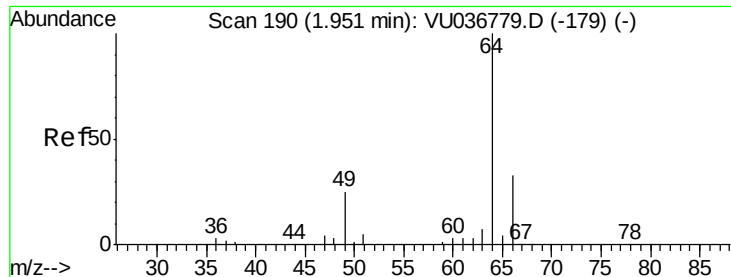
94 100

96 92.8 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU036779.D (-156) (-)

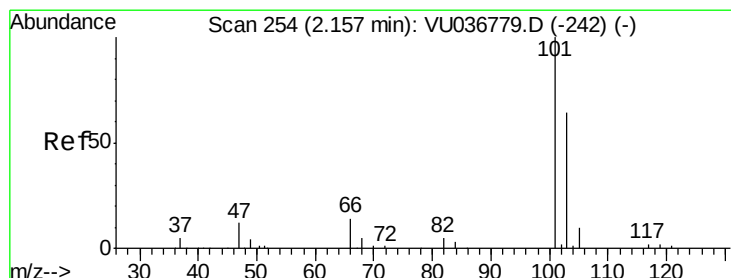
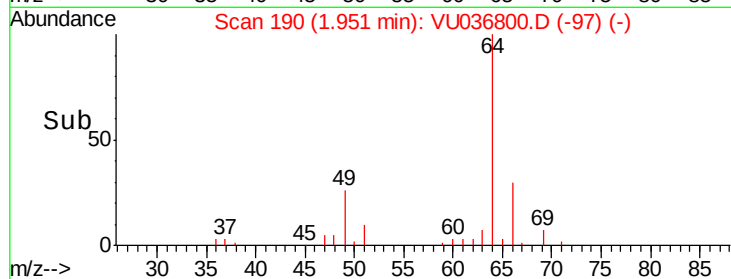
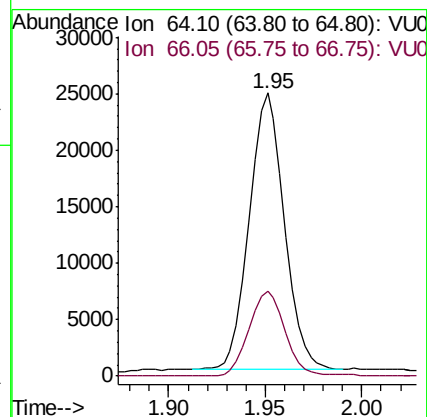
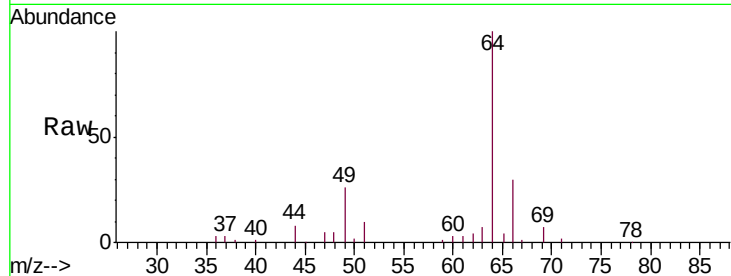




#8
 Chloroethane
 Concen: 4.546 ug/L
 RT: 1.95 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

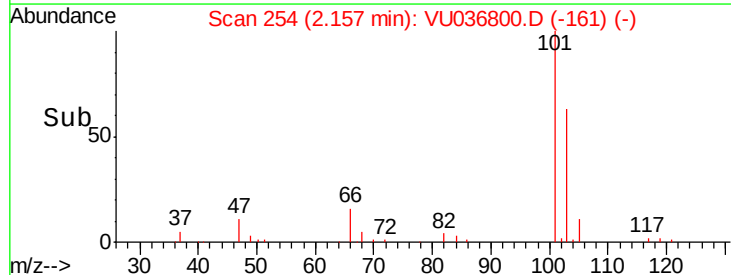
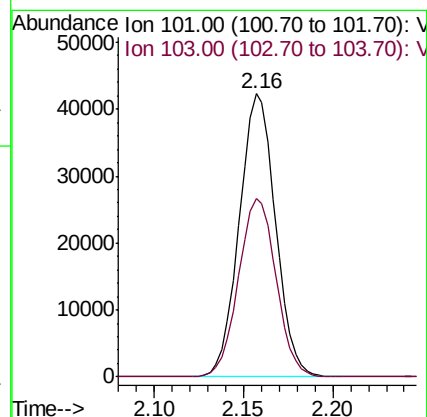
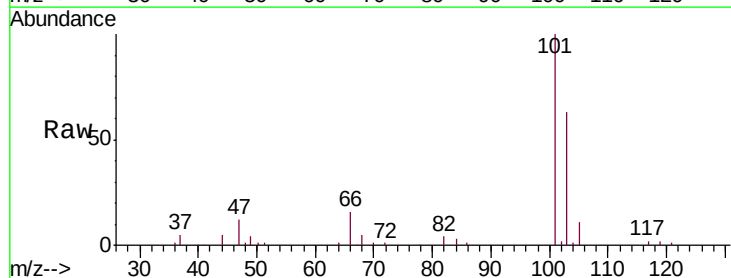
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

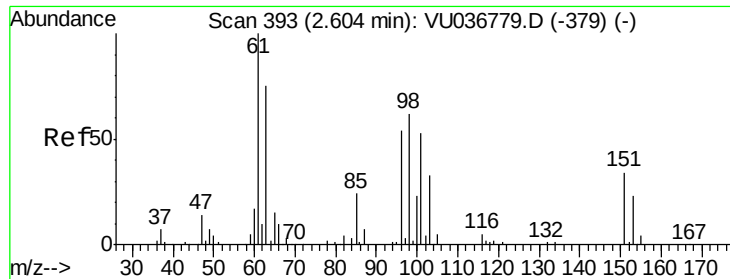
Tgt Ion: 64 Resp: 30929
 Ion Ratio Lower Upper
 64 100
 66 30.1 21.8 40.6



#9
 Trichlorofluoromethane
 Concen: 4.664 ug/L
 RT: 2.16 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

Tgt Ion: 101 Resp: 59755
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.0 76.6





#10

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

Concen: 4.558 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

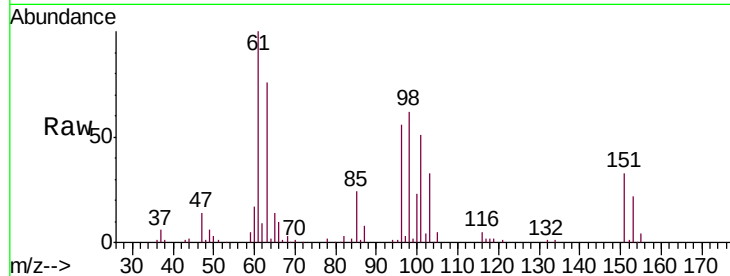
Tgt Ion:101 Resp: 37296

Ion Ratio Lower Upper

101 100

85 45.4 36.4 54.6

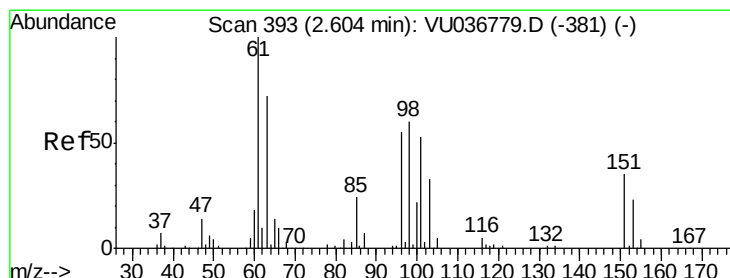
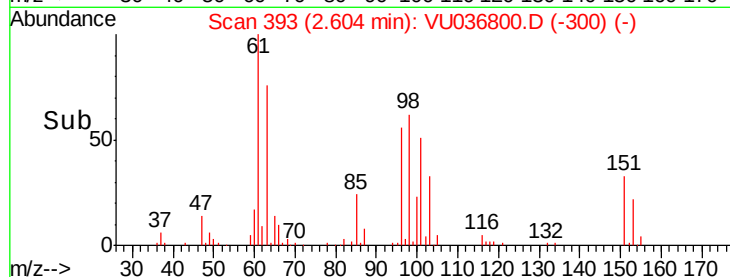
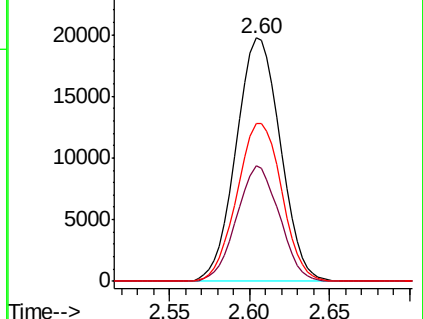
151 65.8 54.0 81.0



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: 4.821 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

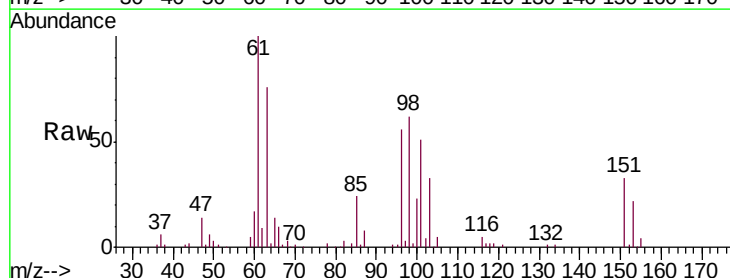
Tgt Ion: 96 Resp: 35570

Ion Ratio Lower Upper

96 100

61 177.4 126.4 234.8

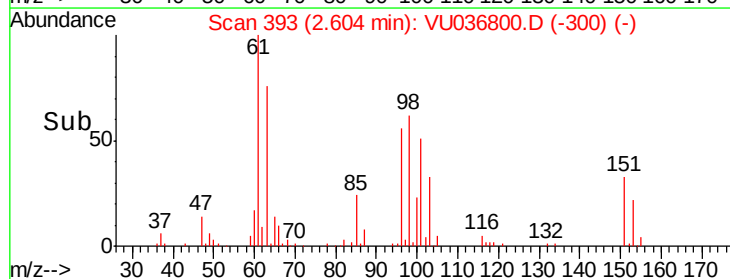
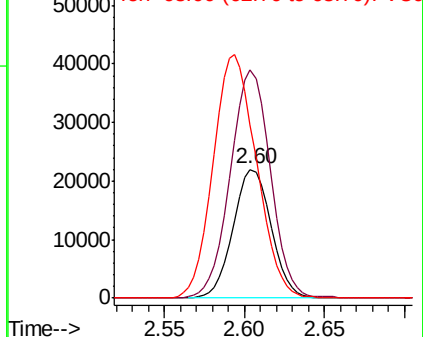
63 135.2 89.5 166.3

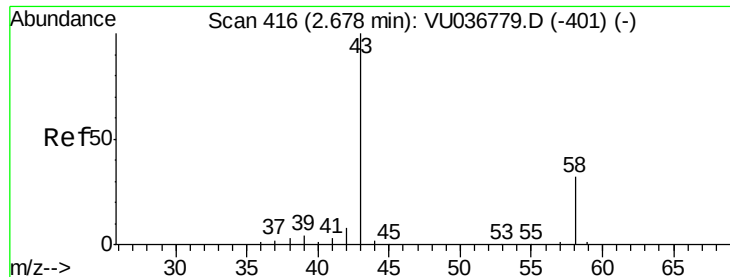


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 28.487 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

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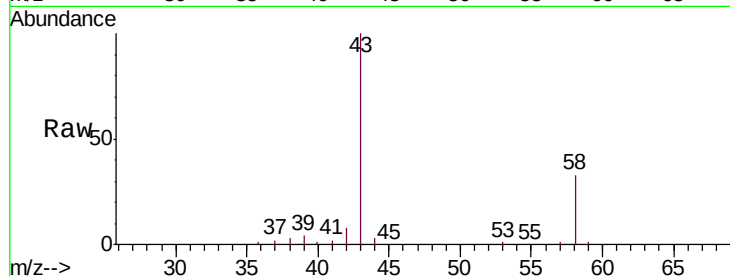
VSTD00519

Tgt Ion: 43 Resp: 79682

Ion Ratio Lower Upper

43 100

58 32.8 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036779.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU036779.D (-401) (-)

2.66

40000

30000

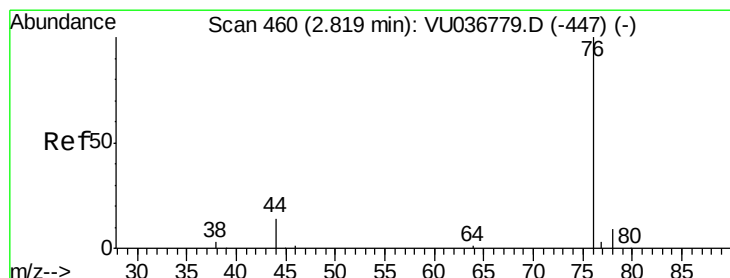
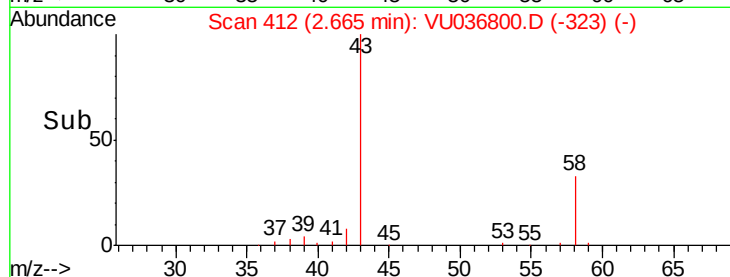
20000

10000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 4.550 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036800.D

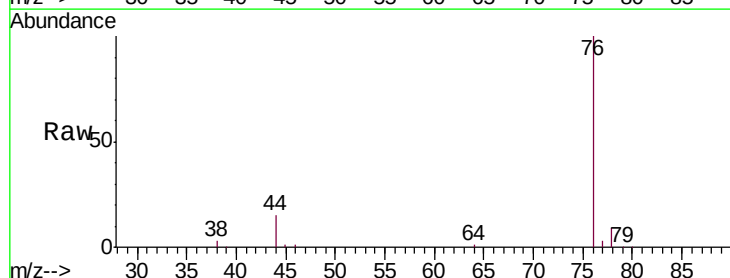
Acq: 14 Feb 2020 20:38

Tgt Ion: 76 Resp: 81008

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036779.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036779.D (-447) (-)

2.82

50000

40000

30000

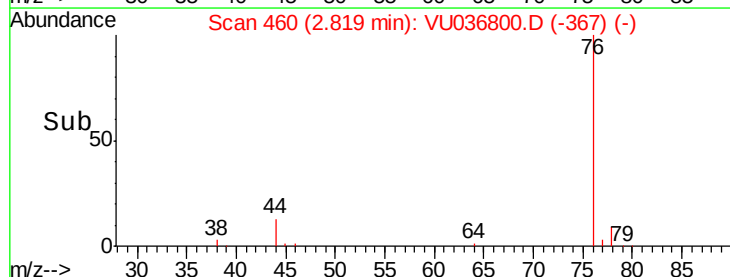
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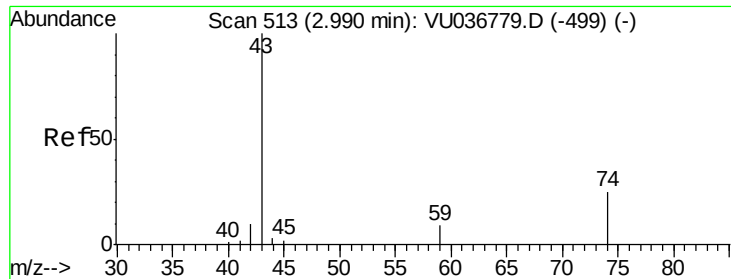
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2.70 2.80 2.90 3.00

Time-->

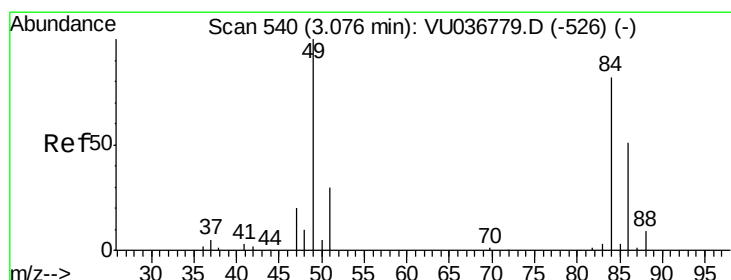
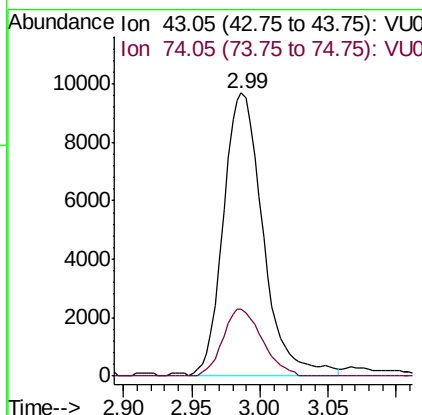
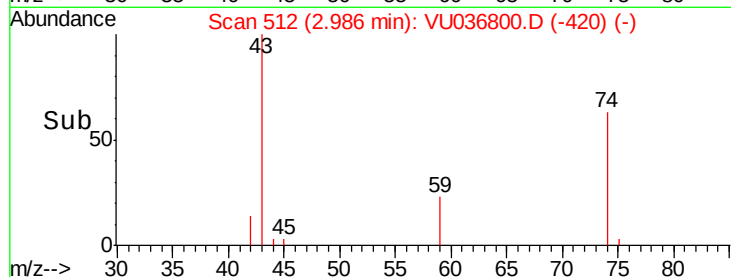
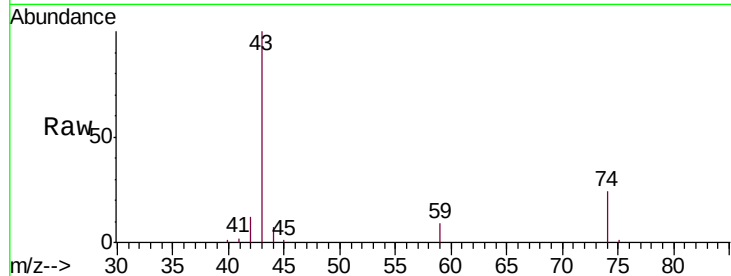




#15
Methyl Acetate
Concen: 5.291 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU036800.D
Acq: 14 Feb 2020 20:38

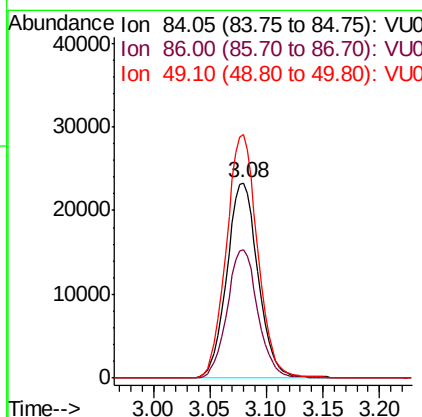
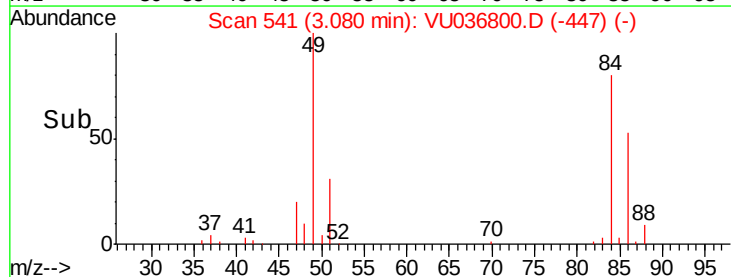
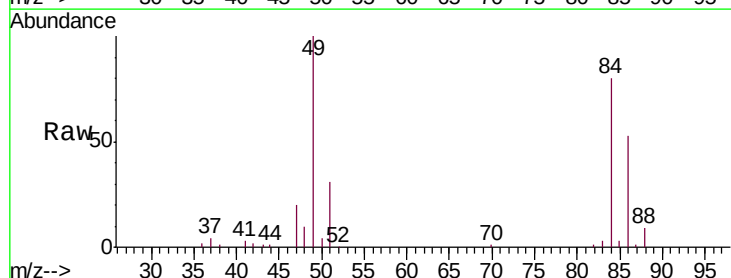
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

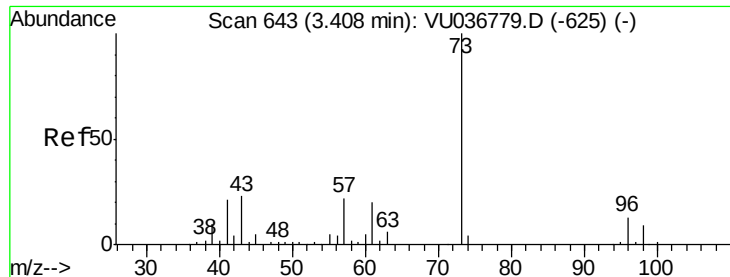
Tgt Ion: 43 Resp: 19637
Ion Ratio Lower Upper
43 100
74 23.4 19.0 28.4



#16
Methylene chloride
Concen: 3.611 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036800.D
Acq: 14 Feb 2020 20:38

Tgt Ion: 84 Resp: 44909
Ion Ratio Lower Upper
84 100
86 66.0 44.7 82.9
49 124.6 86.7 160.9





#17

Methyl tert-butyl Ether

Concen: 5.146 ug/L

RT: 3.40 min Scan# 642

Delta R.T. -0.00 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

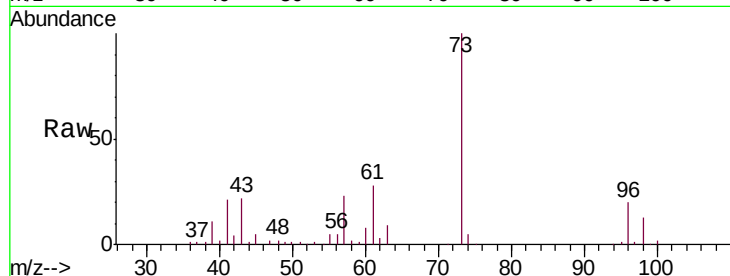
Tgt Ion: 73 Resp: 112455

Ion Ratio Lower Upper

73 100

43 22.6 18.7 28.1

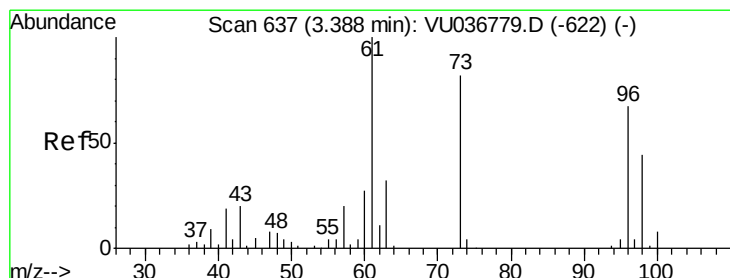
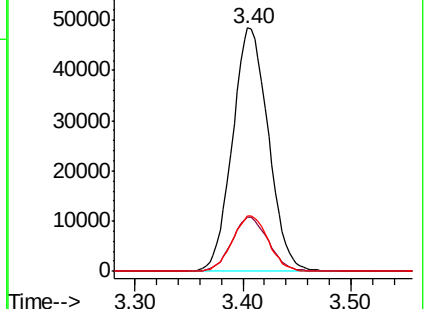
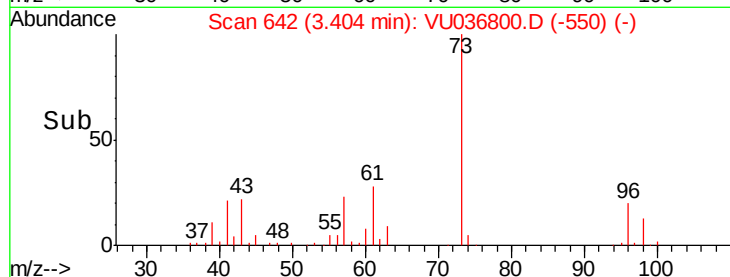
57 22.6 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU036779.D (-625) (-)

Ion 43.05 (42.75 to 43.75): VU036779.D (-625) (-)

Ion 57.10 (56.80 to 57.80): VU036779.D (-625) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.901 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

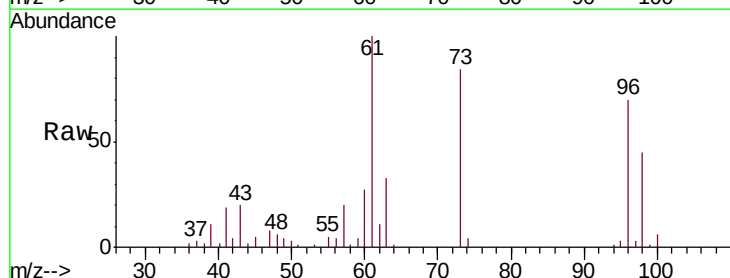
Tgt Ion: 96 Resp: 37314

Ion Ratio Lower Upper

96 100

61 142.5 102.6 190.5

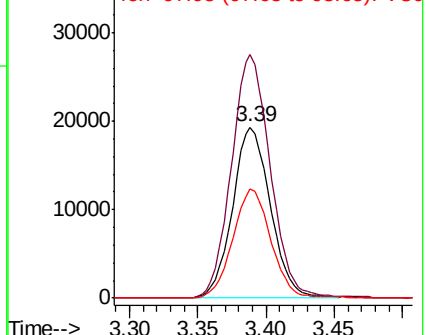
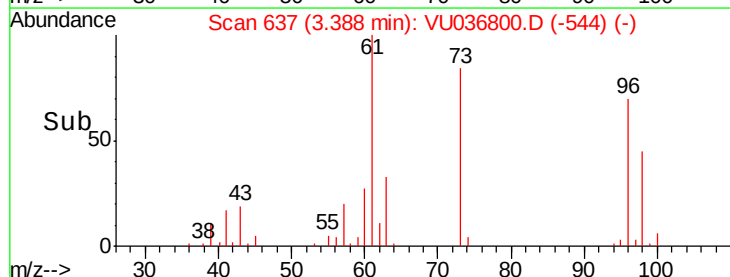
98 63.5 44.5 82.7

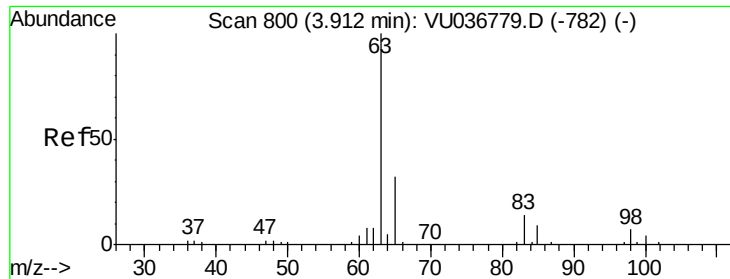


Abundance Ion 96.00 (95.70 to 96.70): VU036779.D (-622) (-)

Ion 61.05 (60.75 to 61.75): VU036779.D (-622) (-)

Ion 97.95 (97.65 to 98.65): VU036779.D (-622) (-)

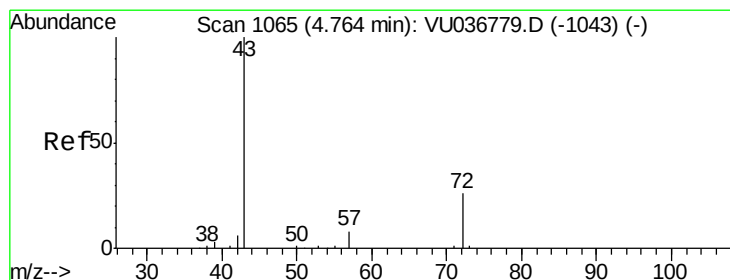
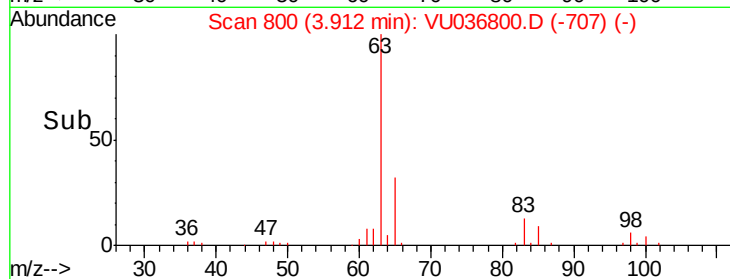
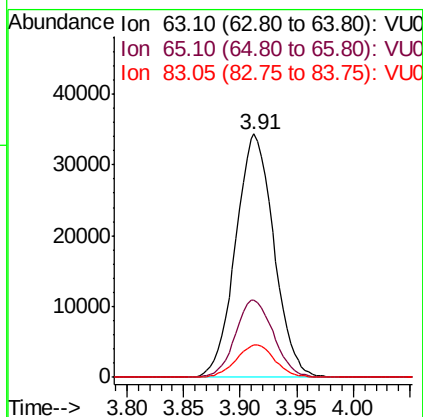
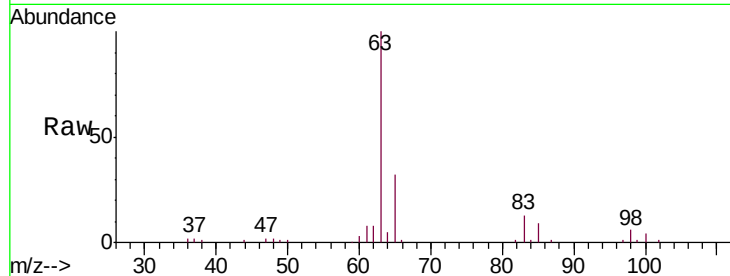




#19
 1,1-Dichloroethane
 Concen: 5.065 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

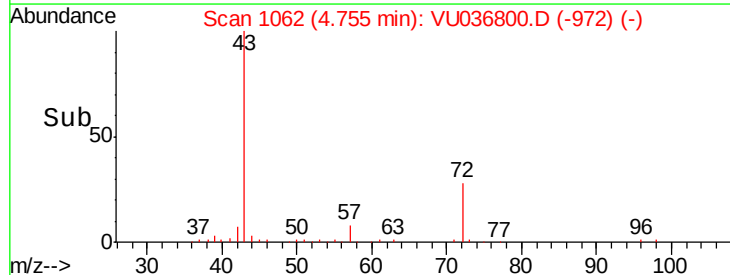
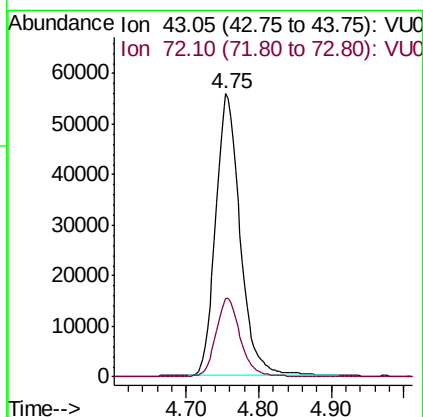
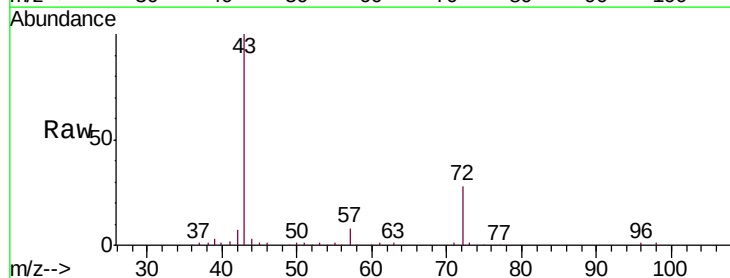
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

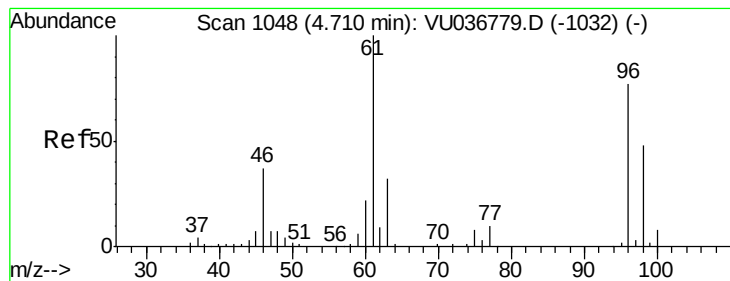
Tgt Ion: 63 Resp: 80861
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.6 40.2
 83 13.1 8.8 16.3



#21
 2-Butanone
 Concen: 40.211 ug/L
 RT: 4.75 min Scan# 1062
 Delta R.T. -0.01 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

Tgt Ion: 43 Resp: 130836
 Ion Ratio Lower Upper
 43 100
 72 27.9 14.0 41.9





#22

cis-1,2-Dichloroethene

Concen: 4.998 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

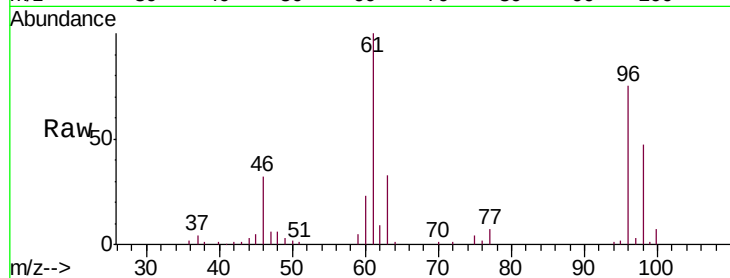
Tgt Ion: 96 Resp: 46050

Ion Ratio Lower Upper

96 100

61 134.0 91.2 169.4

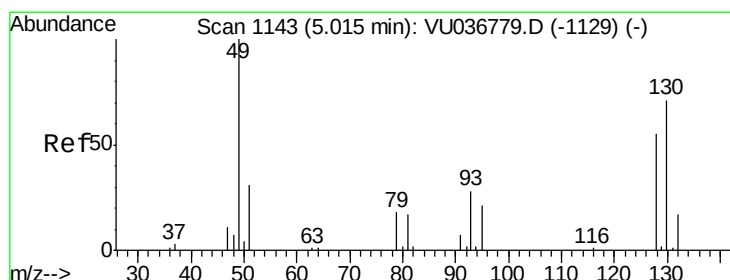
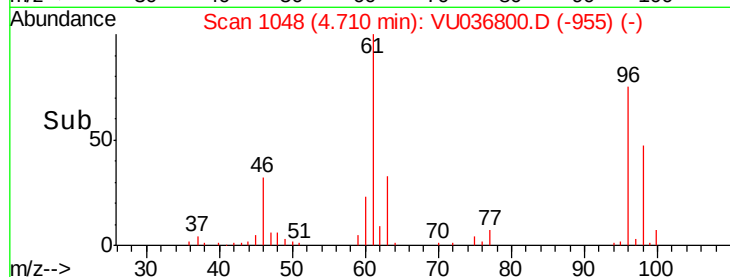
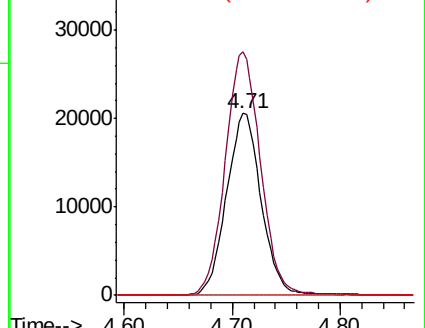
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036800.D (-955) (-)

Ion 61.05 (60.75 to 61.75): VU036800.D (-955) (-)

Ion 68.15 (67.85 to 68.85): VU036800.D (-955) (-)



#23

Bromochloromethane

Concen: 5.030 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

Tgt Ion: 128 Resp: 18422

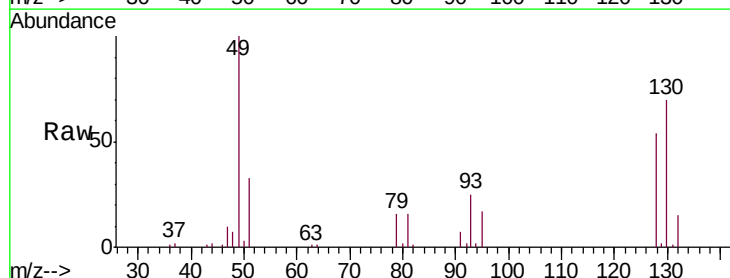
Ion Ratio Lower Upper

128 100

49 185.0 132.4 245.8

130 130.0 89.0 165.2

51 61.2 45.6 68.4

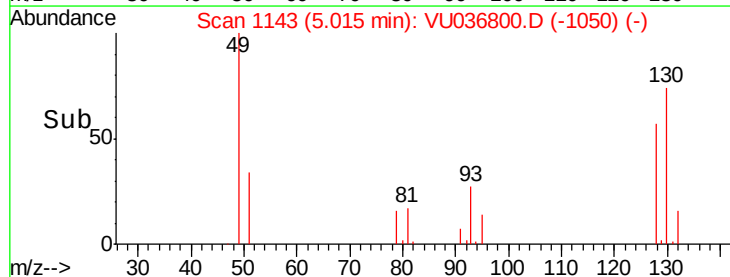
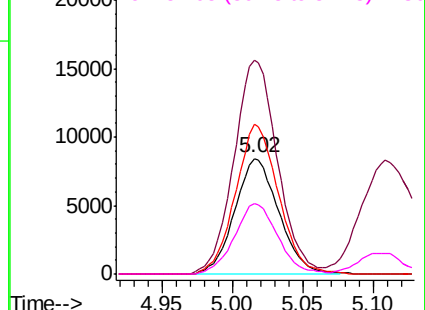


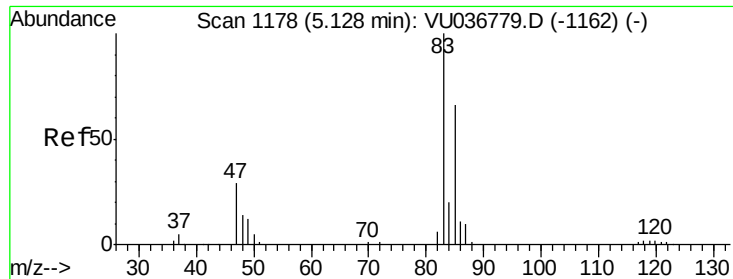
Abundance Ion 127.90 (127.60 to 128.60): VU036800.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU036800.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU036800.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU036800.D (-1050) (-)

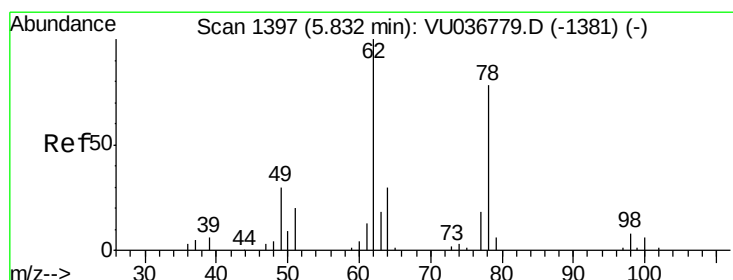
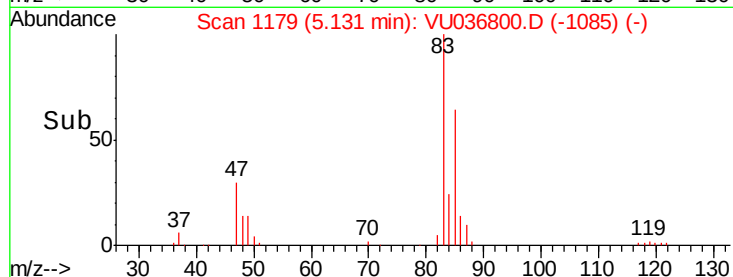
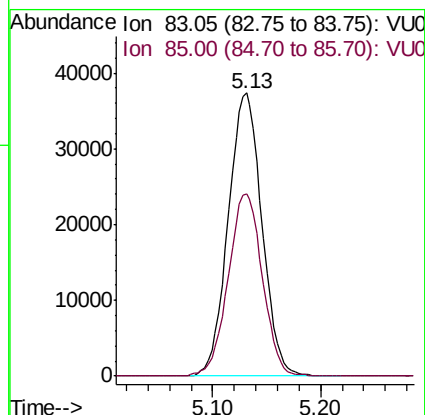
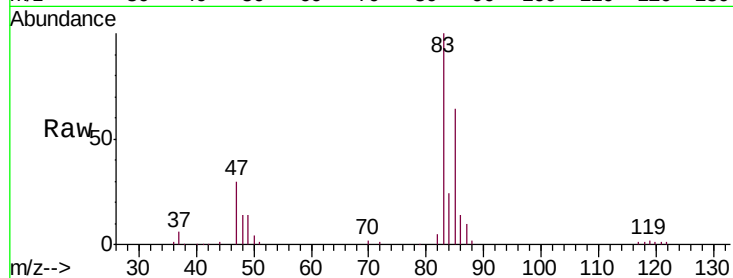




#25
Chloroform
Concen: 4.767 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036800.D
Acq: 14 Feb 2020 20:38

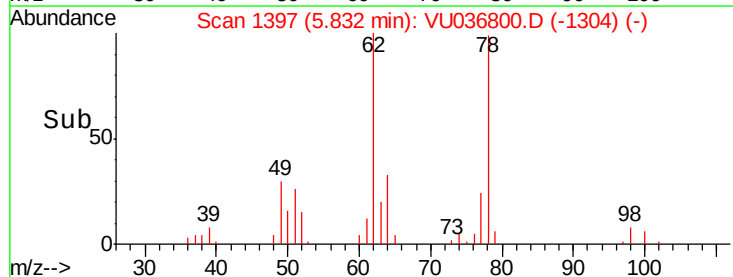
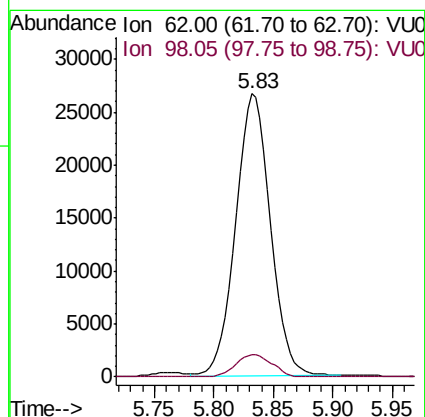
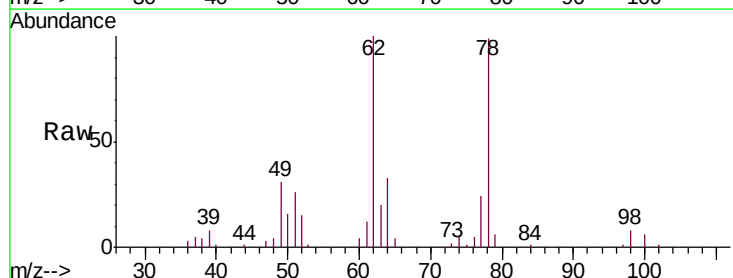
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

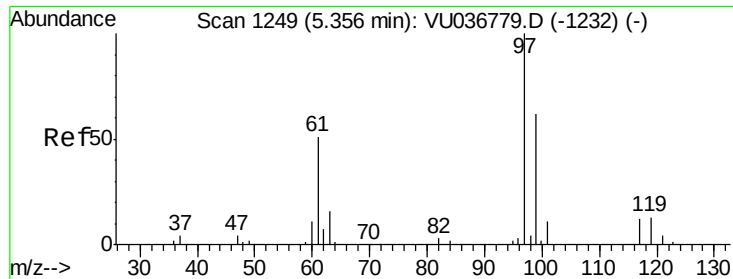
Tgt Ion: 83 Resp: 81285
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.958 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU036800.D
Acq: 14 Feb 2020 20:38

Tgt Ion: 62 Resp: 53889
Ion Ratio Lower Upper
62 100
98 7.8 7.0 10.4

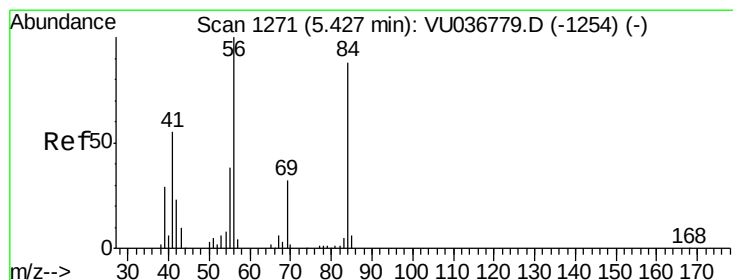
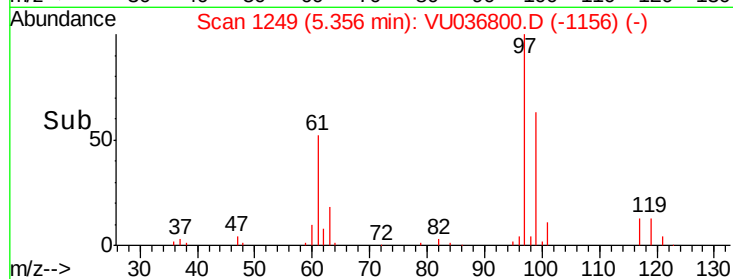
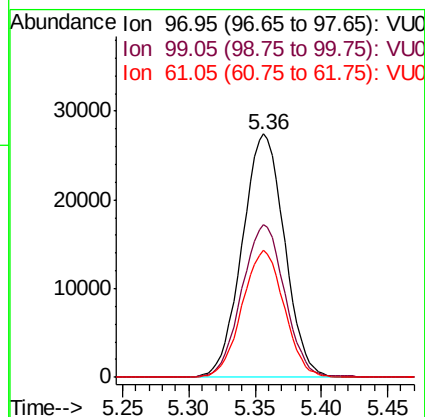
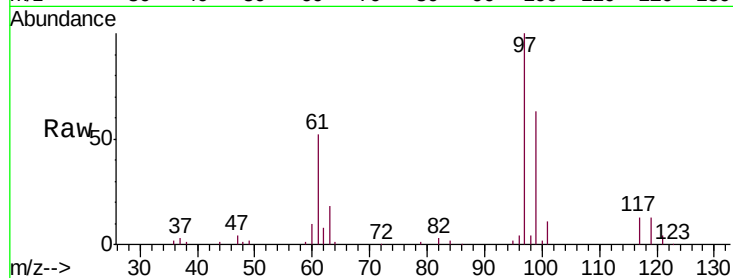




#29
 1,1,1-Trichloroethane
 Concen: 4.917 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

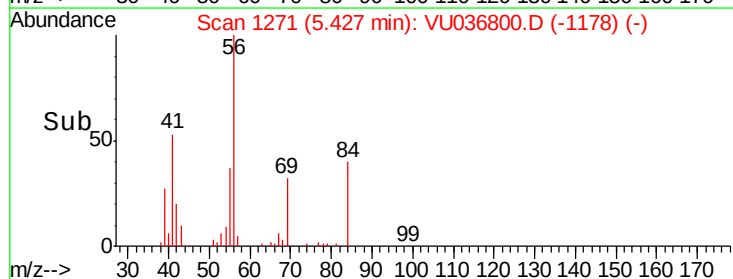
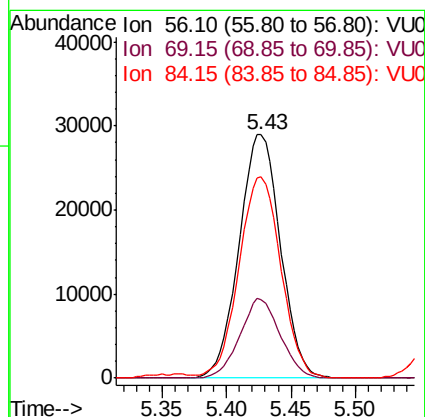
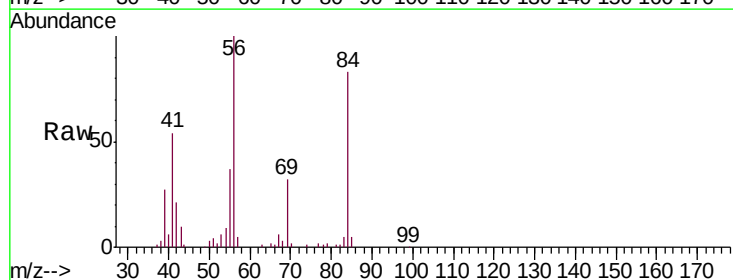
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

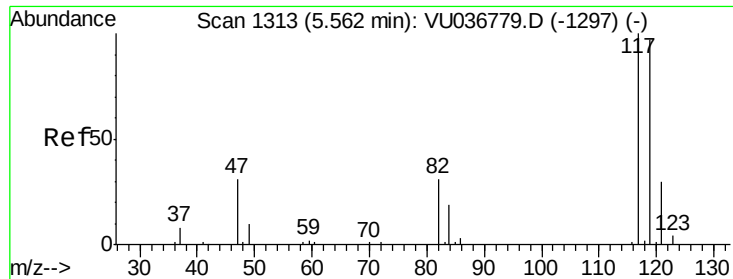
Tgt Ion:	97	Resp:	60857
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	51.8	41.6	62.4



#30
 Cyclohexane
 Concen: 4.918 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

Tgt Ion:	56	Resp:	64648
Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.6	37.0
84	83.7	70.0	105.0





#31

Carbon tetrachloride

Concen: 4.696 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

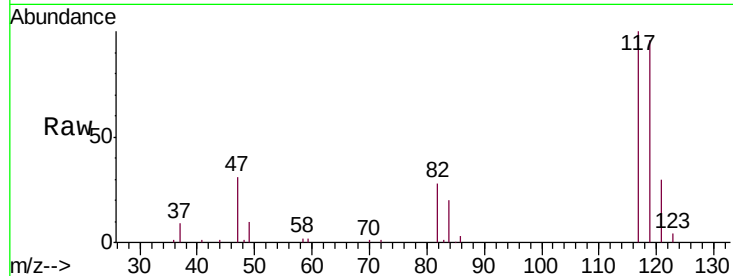
VSTD00519

Tgt Ion:117 Resp: 46887

Ion Ratio Lower Upper

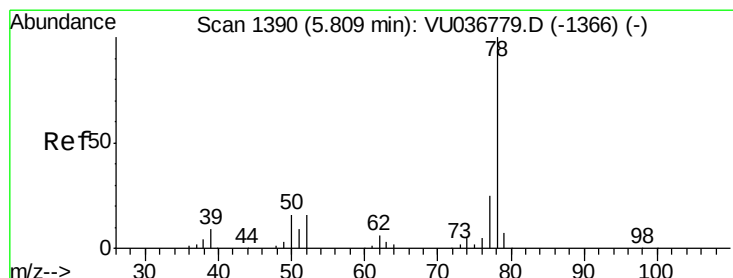
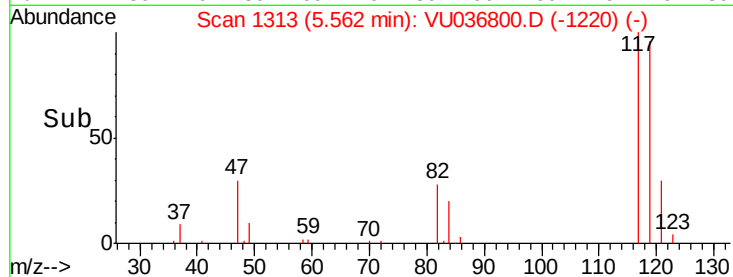
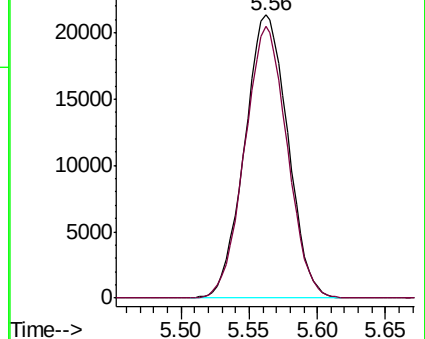
117 100

119 94.4 74.5 111.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.031 ug/L

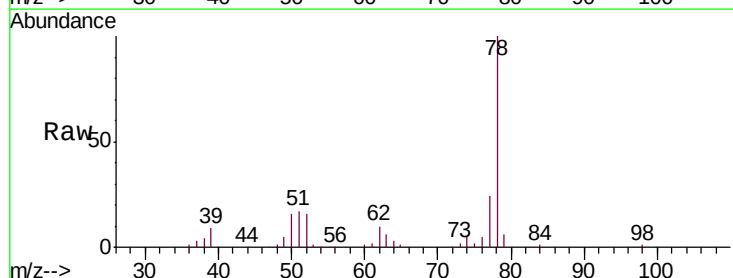
RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

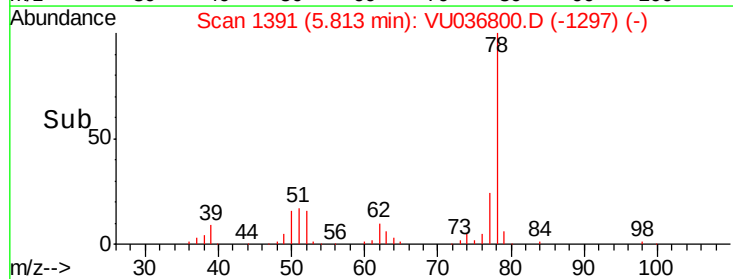
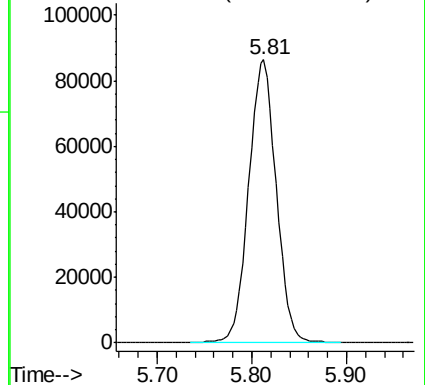
Lab File: VU036800.D

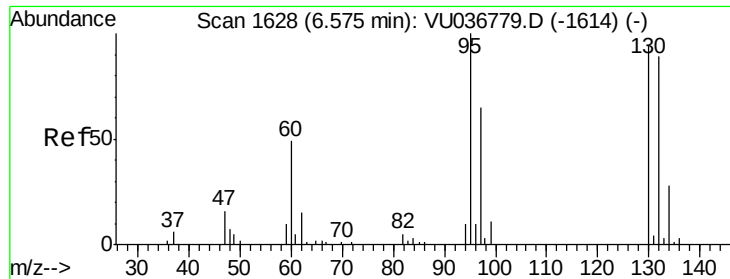
Acq: 14 Feb 2020 20:38

Tgt Ion: 78 Resp: 174872



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.941 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

Tgt Ion: 95 Resp: 43735

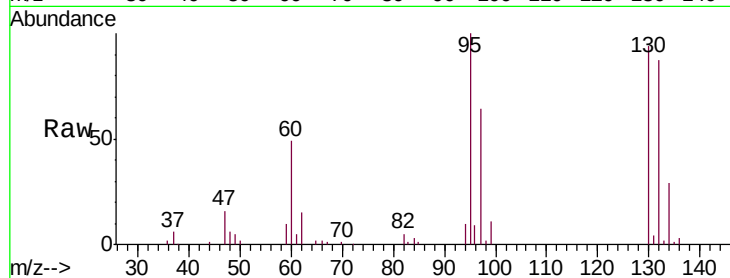
Ion Ratio Lower Upper

95 100

97 64.0 45.6 84.8

132 87.4 62.8 116.6

130 93.7 63.8 118.4

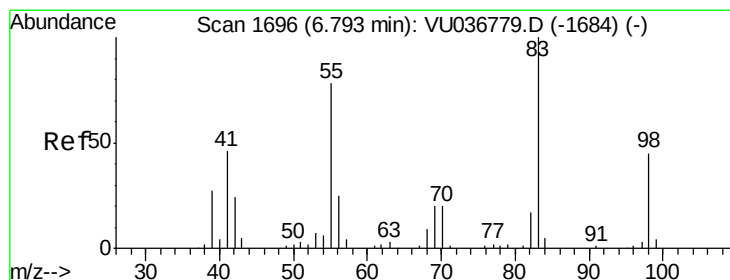
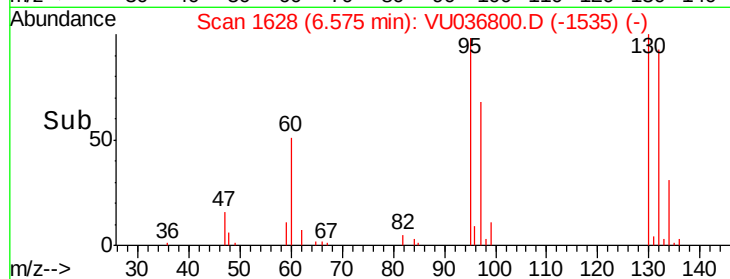
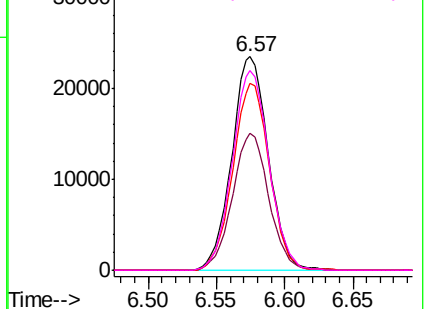


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.773 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

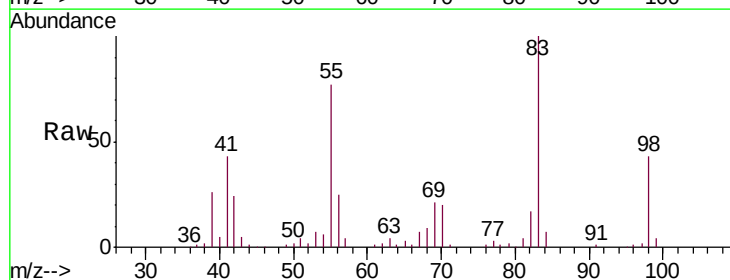
Tgt Ion: 83 Resp: 67044

Ion Ratio Lower Upper

83 100

55 78.2 61.0 91.4

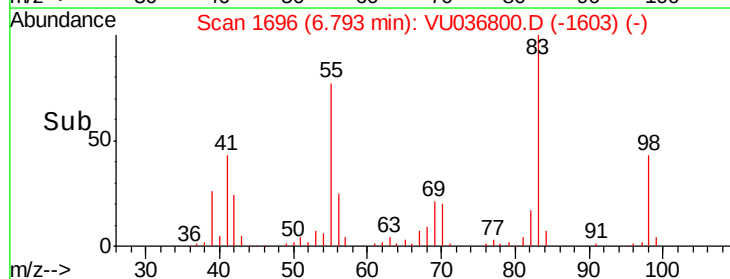
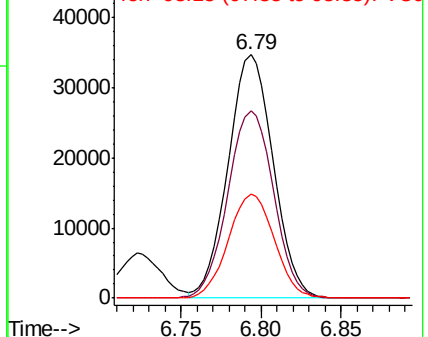
98 43.6 34.2 51.4

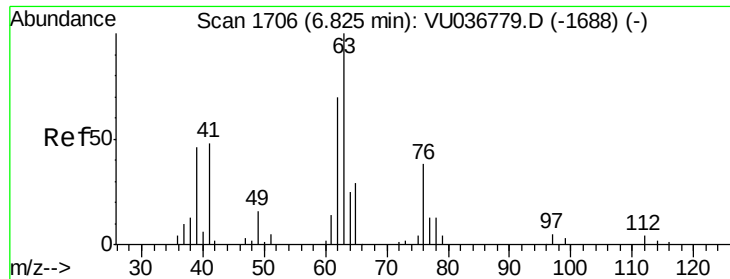


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

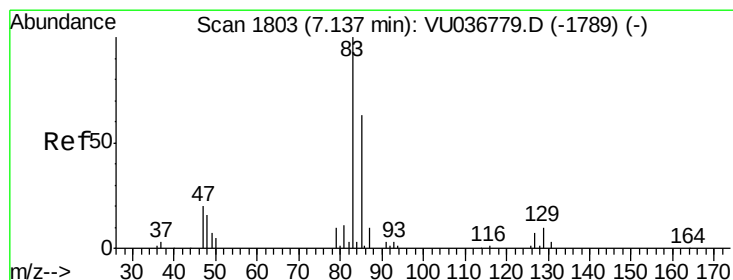
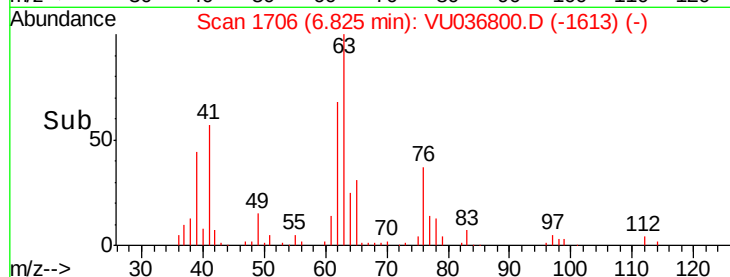
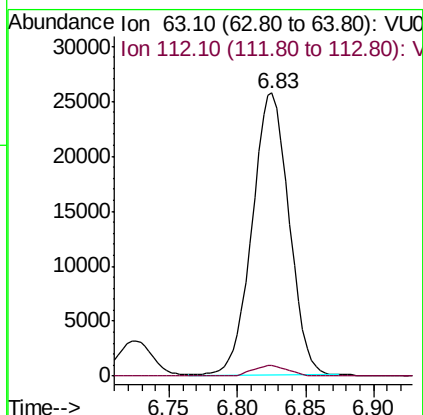
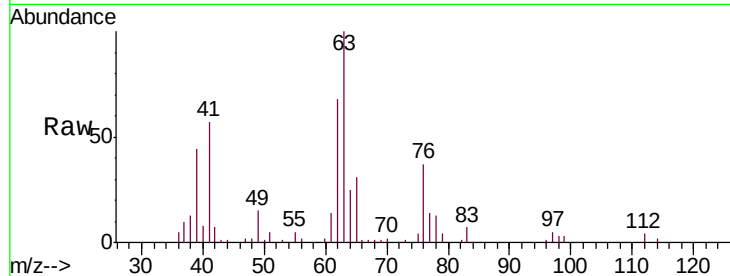




#37
 1,2-Dichloropropane
 Concen: 5.082 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

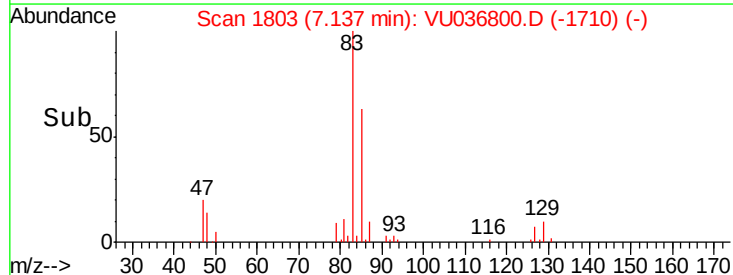
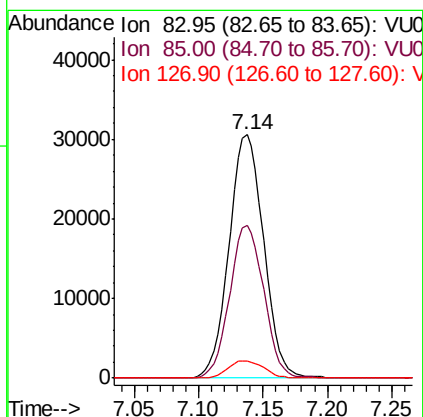
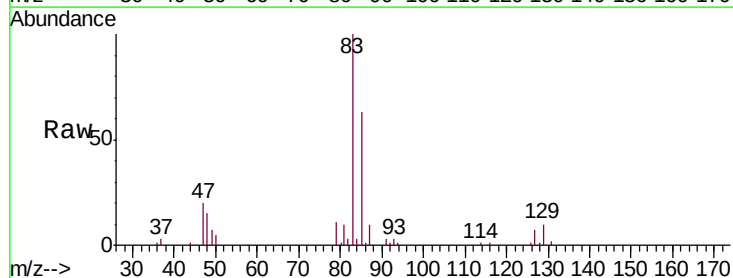
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

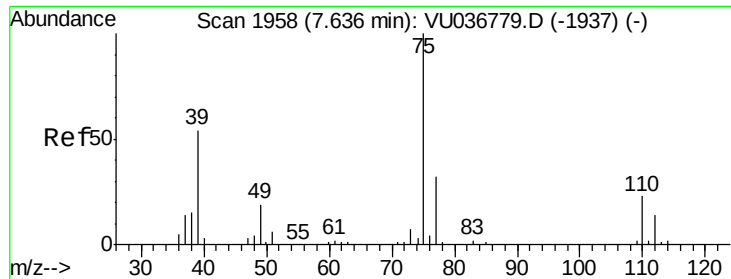
Tgt Ion: 63 Resp: 48228
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.0 4.4



#38
 Bromodichloromethane
 Concen: 5.040 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

Tgt Ion: 83 Resp: 57073
 Ion Ratio Lower Upper
 83 100
 85 62.6 43.0 80.0
 127 7.0 6.3 9.5

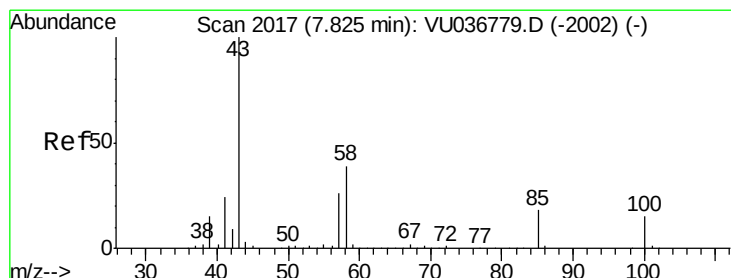
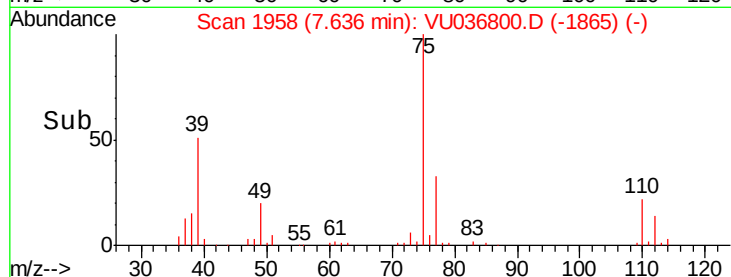
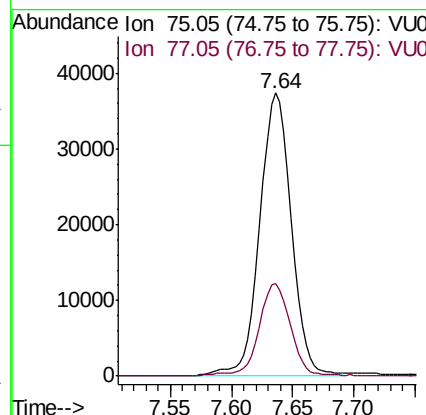
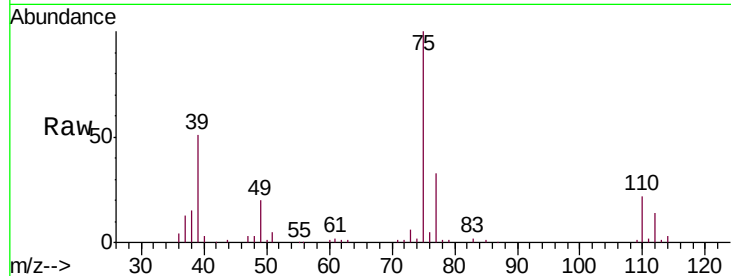




#39
 cis-1,3-Dichloropropene
 Concen: 4.891 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

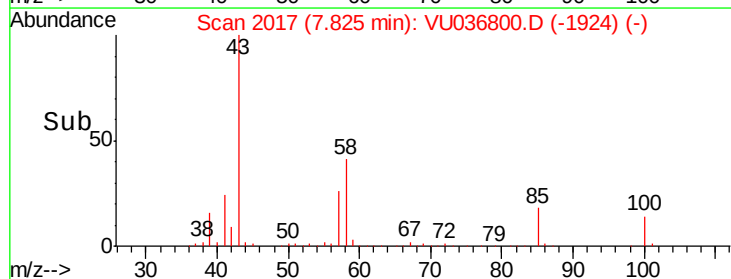
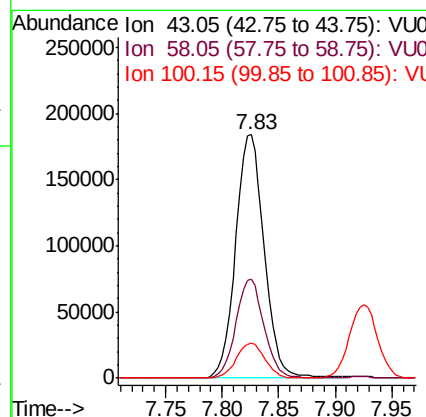
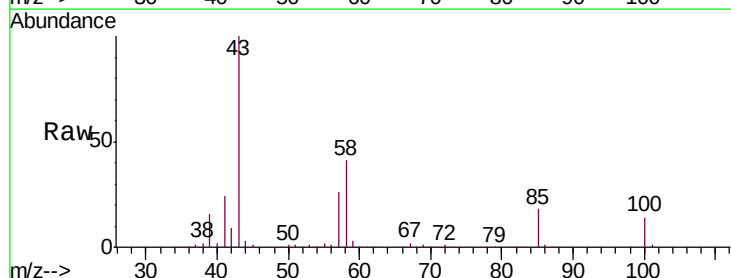
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

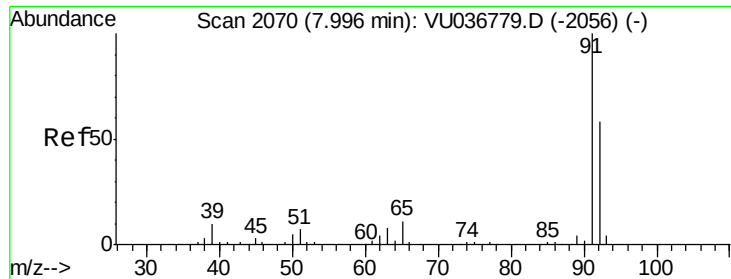
Tgt Ion: 75 Resp: 67157
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 52.862 ug/L
 RT: 7.83 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

Tgt Ion: 43 Resp: 323728
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.0 48.0
 100 14.5 11.8 17.8





#42

Toluene

Concen: 5.019 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

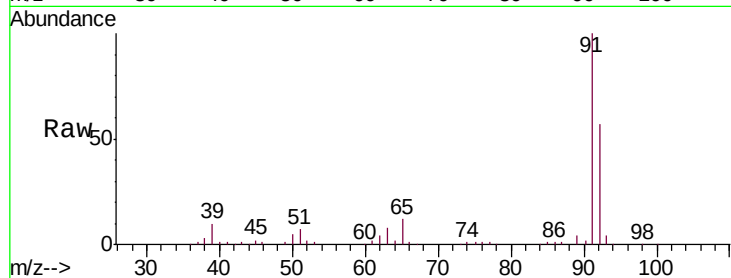
VSTD00519

Tgt Ion: 91 Resp: 187365

Ion Ratio Lower Upper

91 100

92 57.0 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036779.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036779.D (-2056) (-)

8.00

120000

100000

80000

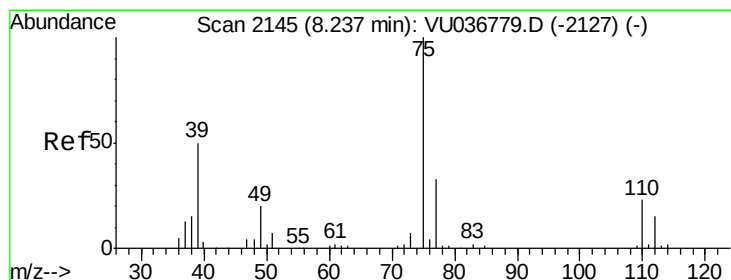
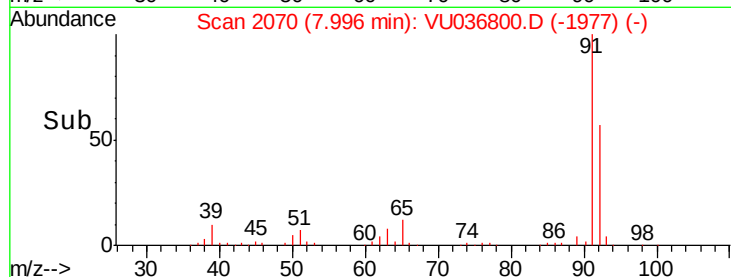
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.906 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU036800.D

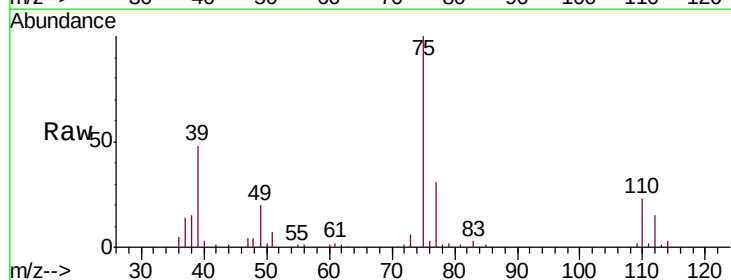
Acq: 14 Feb 2020 20:38

Tgt Ion: 75 Resp: 52646

Ion Ratio Lower Upper

75 100

77 31.5 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036779.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU036779.D (-2127) (-)

8.24

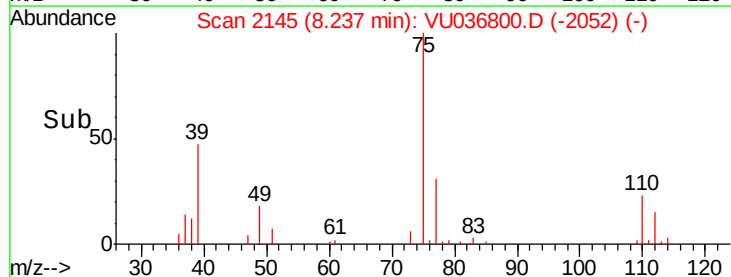
30000

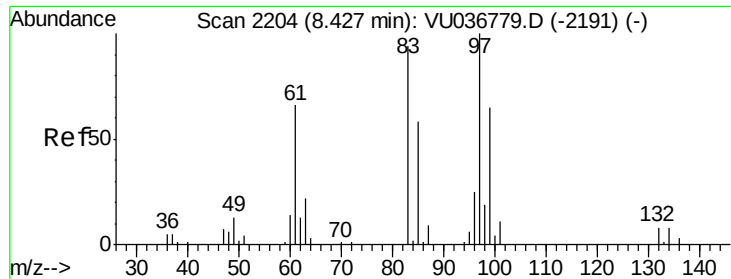
20000

10000

0

Time-->

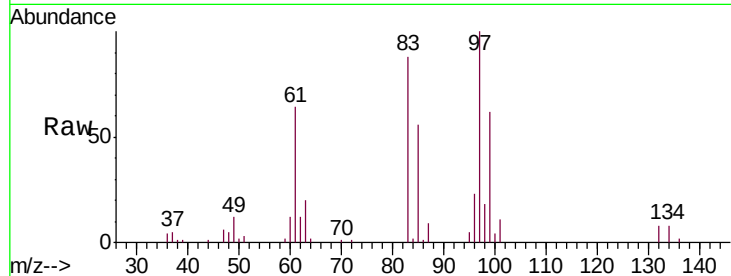




#45
 1,1,2-Trichloroethane
 Concen: 5.214 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tgt Ion:	97	Resp:	34427
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.1	81.9
83	87.8	63.5	117.9
85	56.3	41.2	76.4



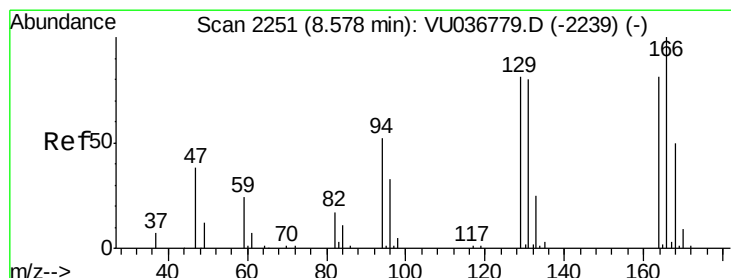
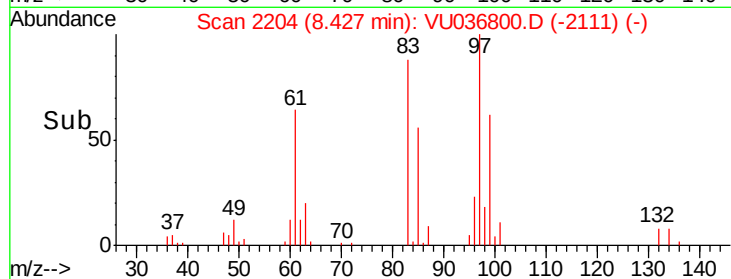
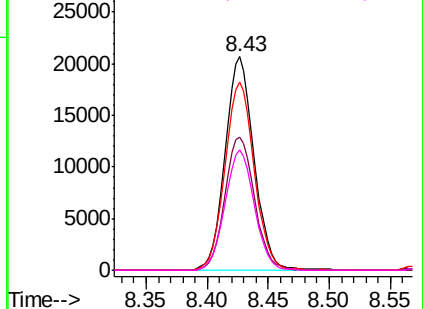
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

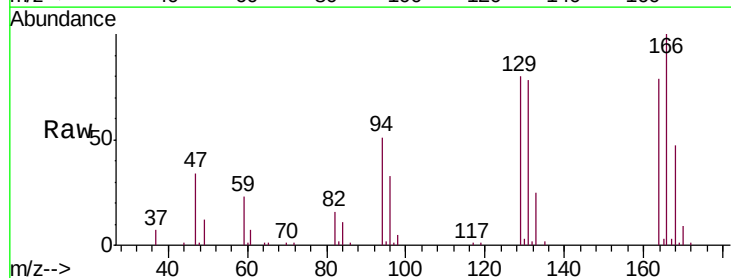
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.734 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

Tgt Ion:	164	Resp:	28509
Ion	Ratio	Lower	Upper
164	100		
129	101.9	68.0	126.4
131	99.8	69.4	128.8
166	127.2	86.6	160.8



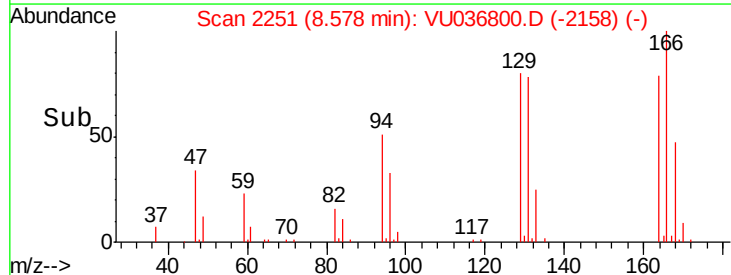
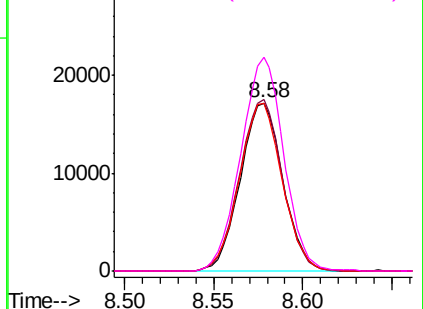
Abundance

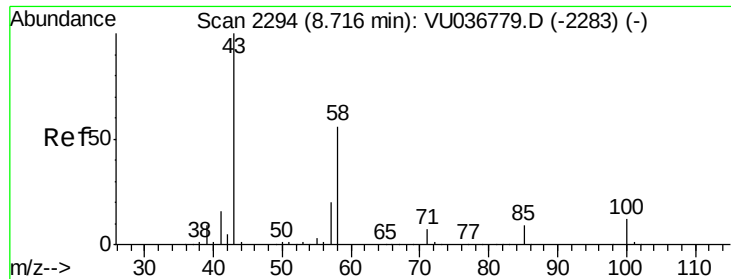
Ion 163.90 (163.60 to 164.60): V

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

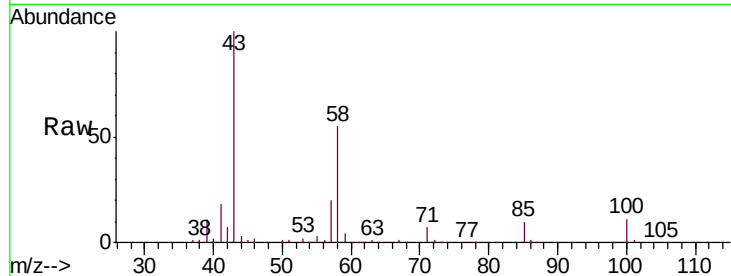




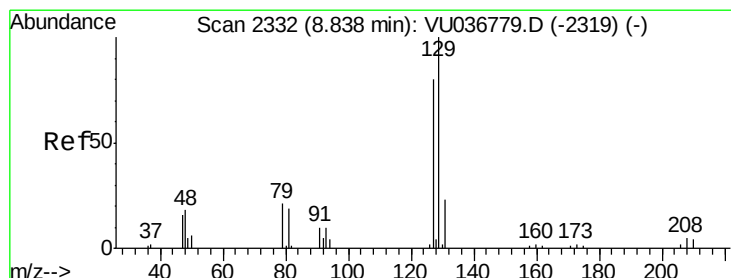
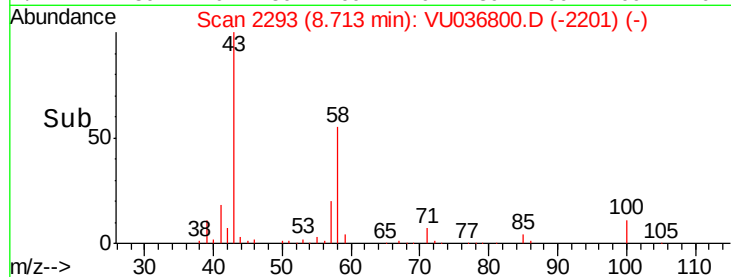
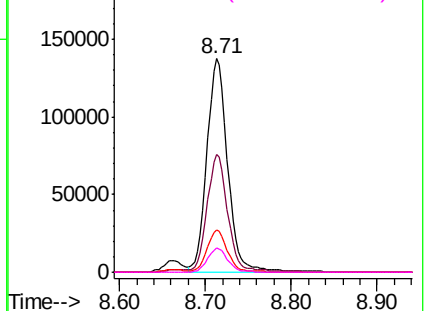
#48
2-Hexanone
Concen: 44.535 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VU036800.D
Acq: 14 Feb 2020 20:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tgt Ion: 43 Resp: 233399
Ion Ratio Lower Upper
43 100
58 55.4 43.6 65.4
57 19.3 15.0 22.4
100 11.0 9.0 13.6

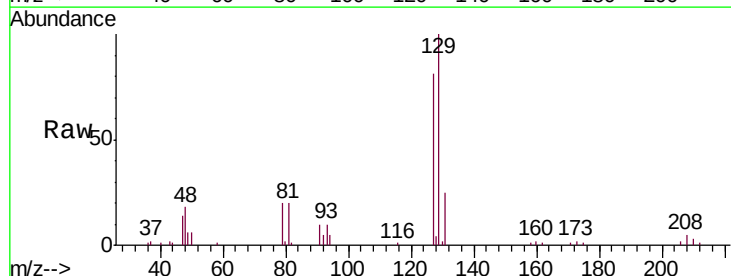


Abundance Ion 43.05 (42.75 to 43.75): VU036800.D (-2291) (-)
Ion 58.05 (57.75 to 58.75): VU036800.D (-2291) (-)
Ion 57.20 (56.90 to 57.90): VU036800.D (-2291) (-)
Ion 100.15 (99.85 to 100.85): VU036800.D (-2291) (-)

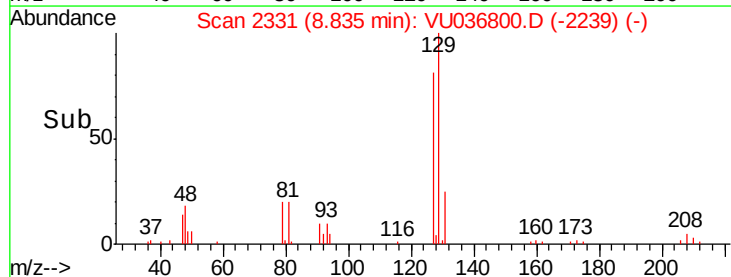
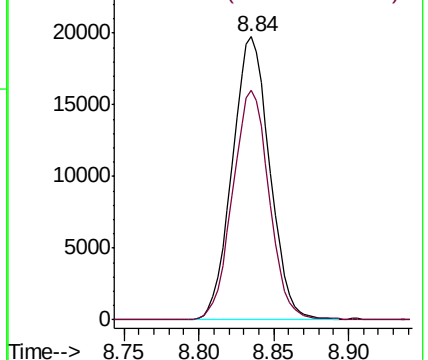


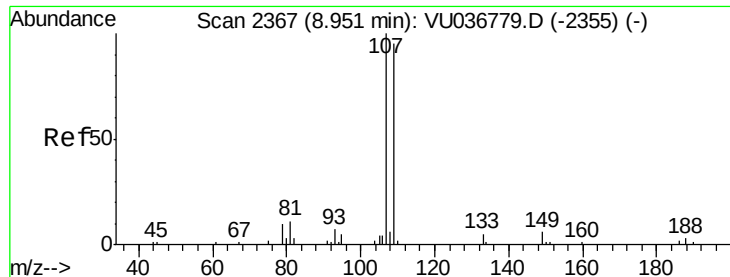
#49
Dibromochloromethane
Concen: 5.041 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU036800.D
Acq: 14 Feb 2020 20:38

Tgt Ion: 129 Resp: 34416
Ion Ratio Lower Upper
129 100
127 81.0 56.7 105.3



Abundance Ion 128.95 (128.65 to 129.65): VU036800.D (-2329) (-)
Ion 126.90 (126.60 to 127.60): VU036800.D (-2329) (-)

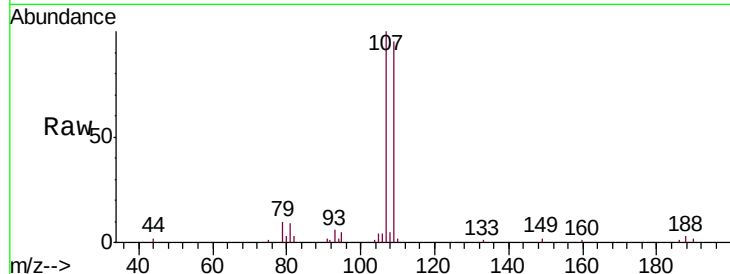




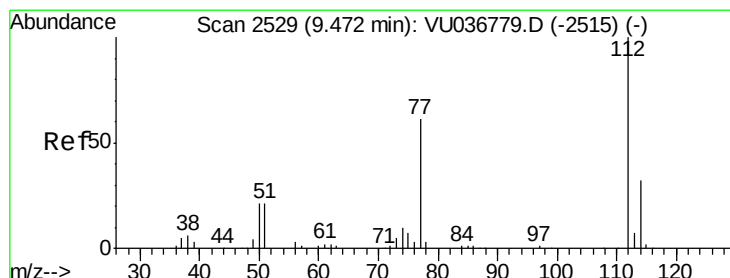
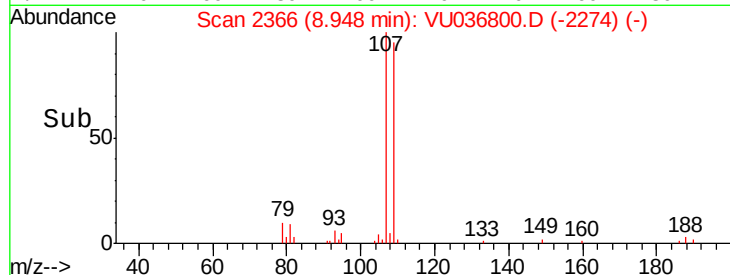
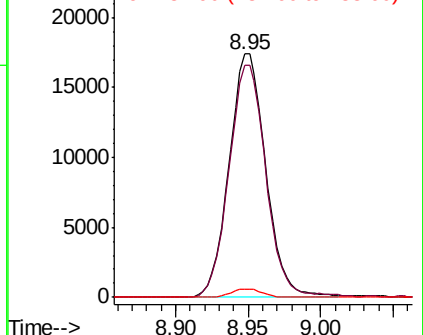
#50
1,2-Dibromoethane
Concen: 5.112 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VU036800.D
Acq: 14 Feb 2020 20:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tgt Ion:107 Resp: 30486
Ion Ratio Lower Upper
107 100
109 95.2 66.4 123.2
188 3.4 2.4 3.6

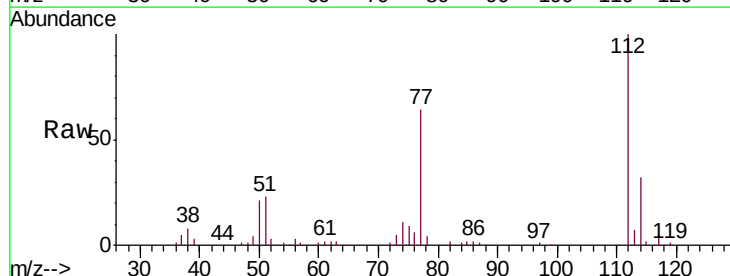


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

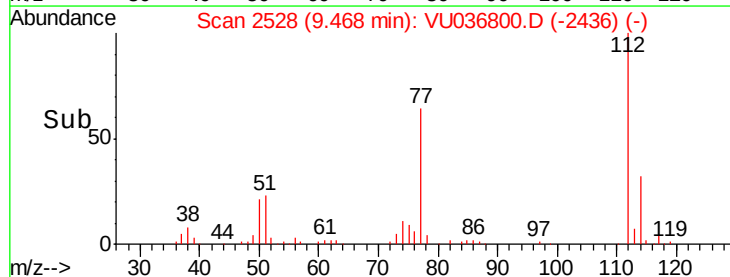
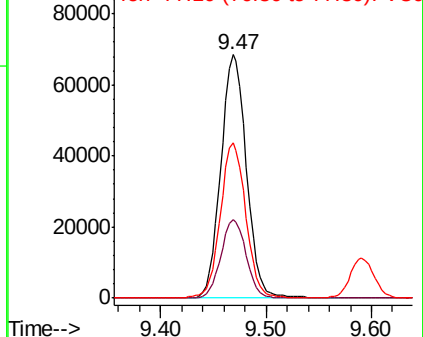


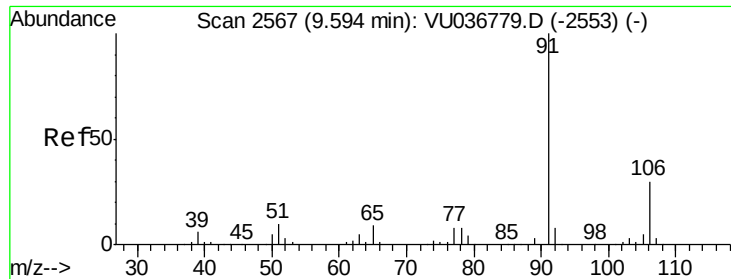
#51
Chlorobenzene
Concen: 4.980 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU036800.D
Acq: 14 Feb 2020 20:38

Tgt Ion:112 Resp: 115010
Ion Ratio Lower Upper
112 100
114 32.1 22.9 42.5
77 63.9 51.0 76.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.917 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

Instrument :

MSVOA_U

ClientSampled :

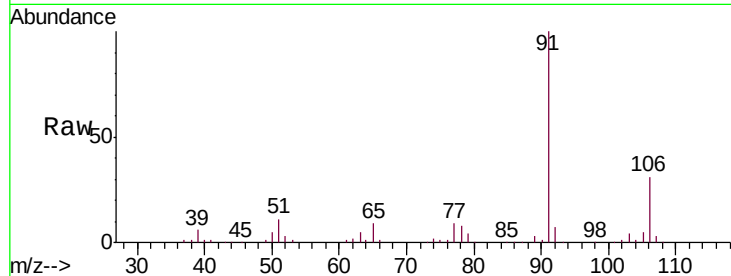
VSTD00519

Tgt Ion: 91 Resp: 205013

Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036779.D (-2553) (-)

Ion 106.15 (105.85 to 106.85): VU036779.D (-2553) (-)

9.59

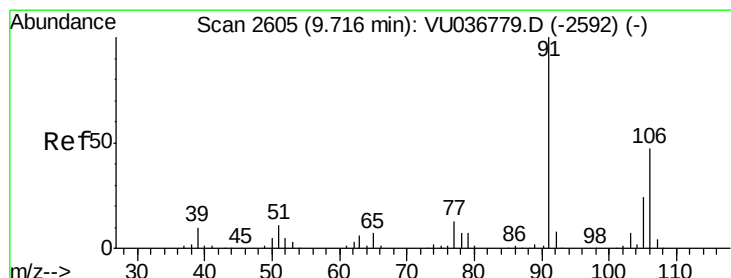
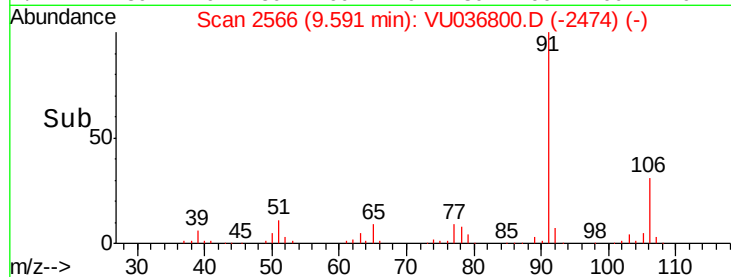
150000

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 4.957 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU036800.D

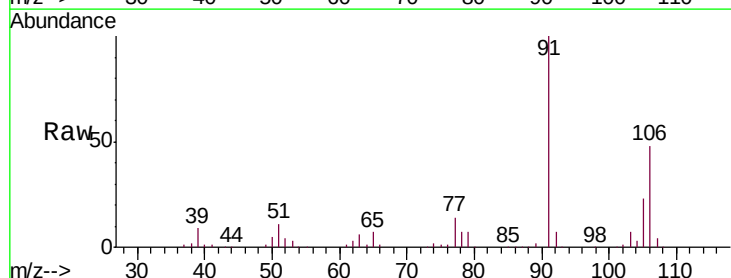
Acq: 14 Feb 2020 20:38

Tgt Ion: 106 Resp: 76053

Ion Ratio Lower Upper

106 100

91 206.6 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036779.D (-2592) (-)

Ion 91.15 (90.85 to 91.85): VU036779.D (-2592) (-)

9.72

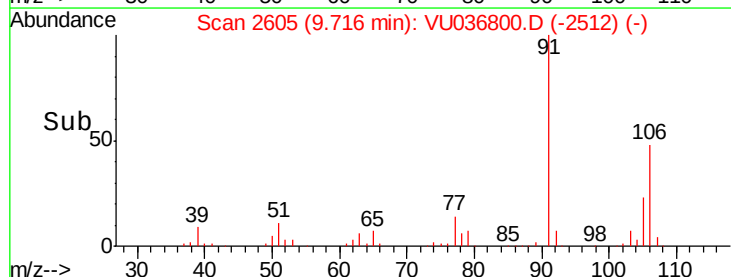
150000

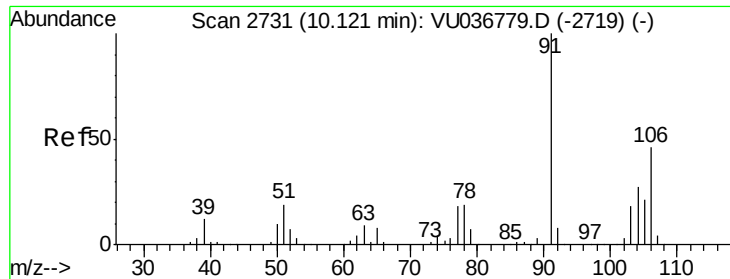
100000

50000

0

Time-->

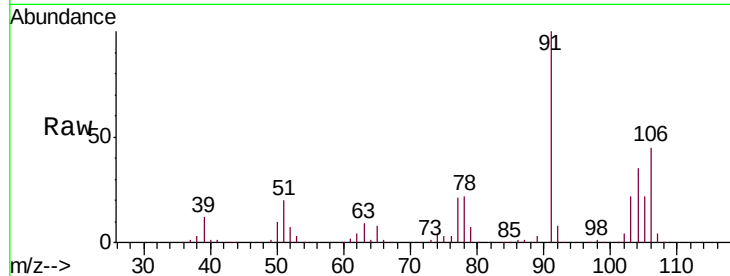




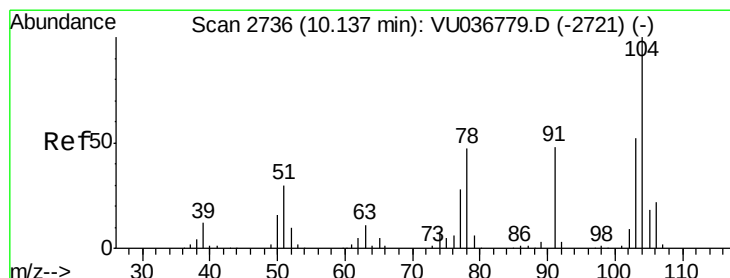
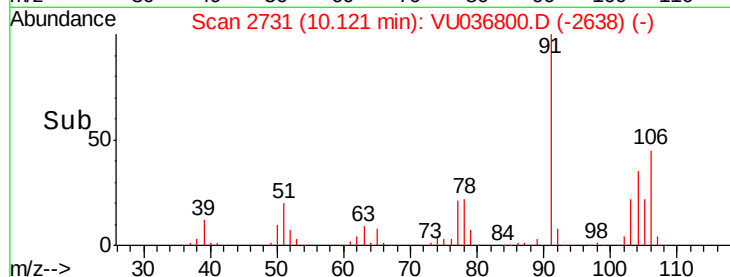
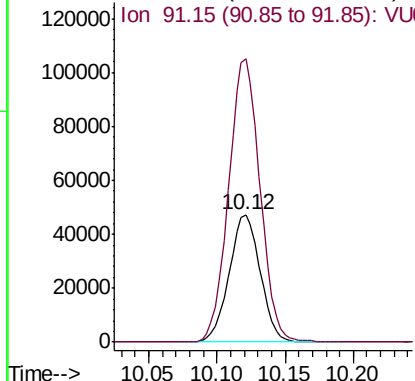
#54
o-Xylene
Concen: 4.972 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU036800.D
Acq: 14 Feb 2020 20:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tgt Ion:106 Resp: 74917
Ion Ratio Lower Upper
106 100
91 221.6 151.1 280.5

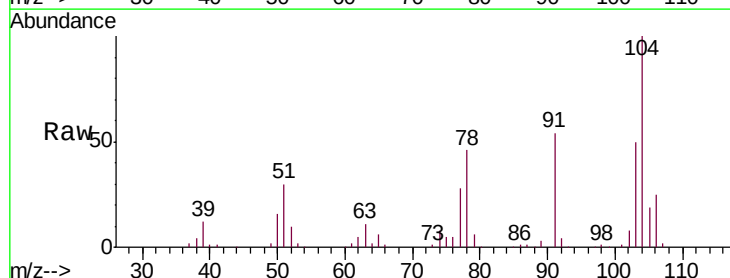


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

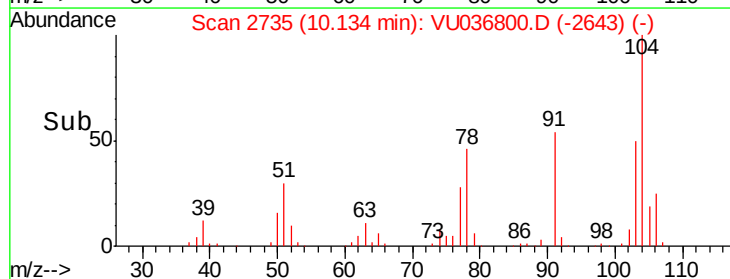
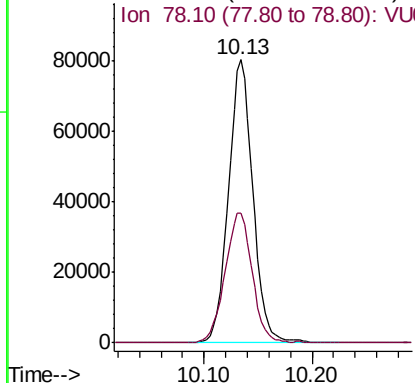


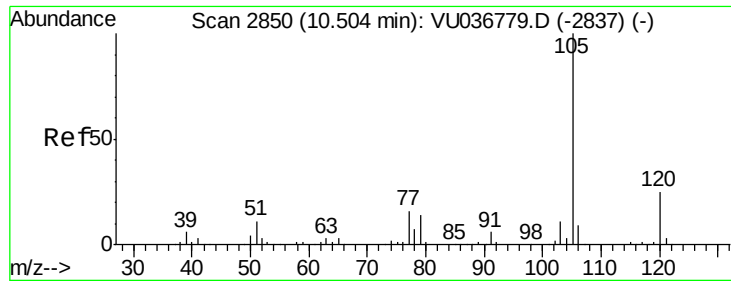
#55
Styrene
Concen: 4.992 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU036800.D
Acq: 14 Feb 2020 20:38

Tgt Ion:104 Resp: 126786
Ion Ratio Lower Upper
104 100
78 45.6 33.5 62.3



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





#56

Isopropylbenzene

Concen: 4.966 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

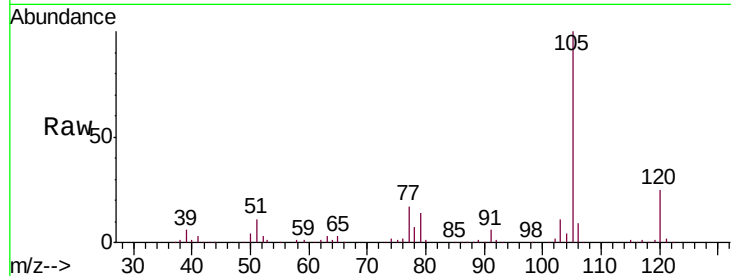
Tgt Ion: 105 Resp: 200222

Ion Ratio Lower Upper

105 100

120 25.8 20.5 30.7

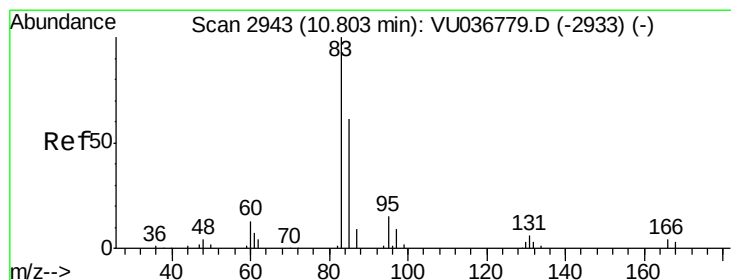
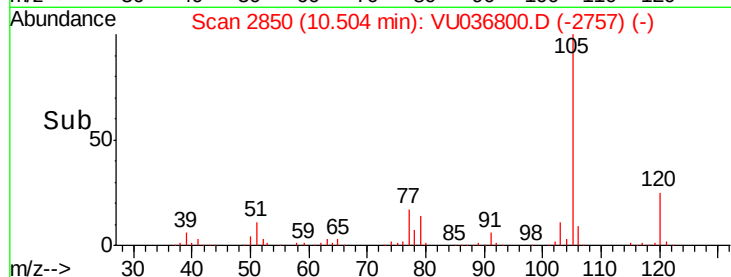
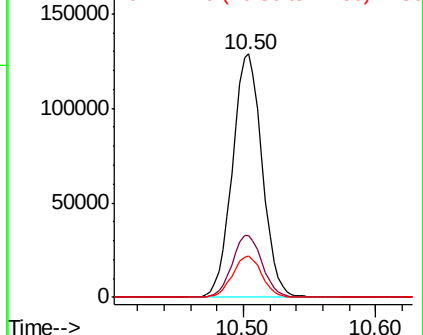
77 16.8 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.265 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

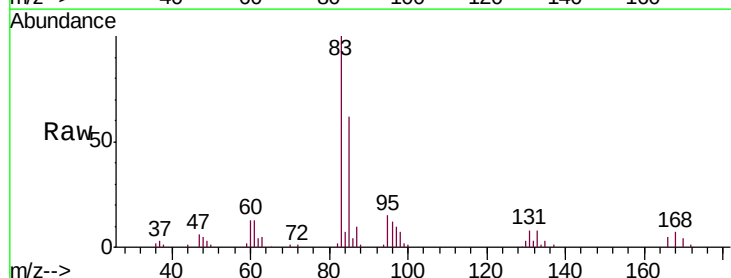
Tgt Ion: 83 Resp: 45504

Ion Ratio Lower Upper

83 100

85 61.6 45.6 84.6

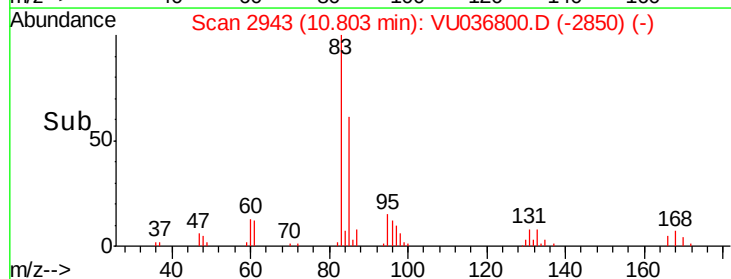
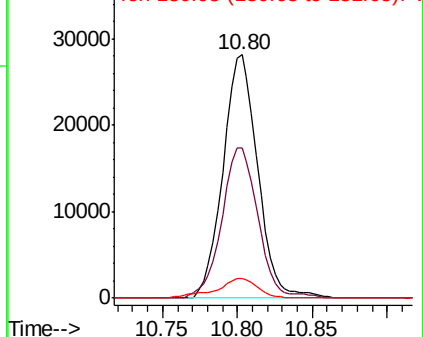
131 8.0 6.8 10.2

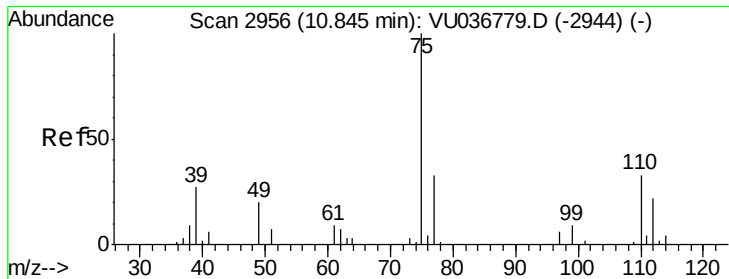


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

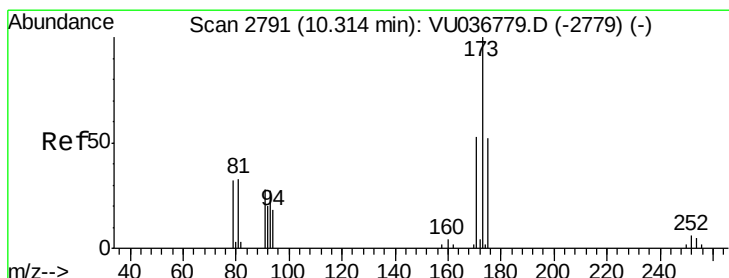
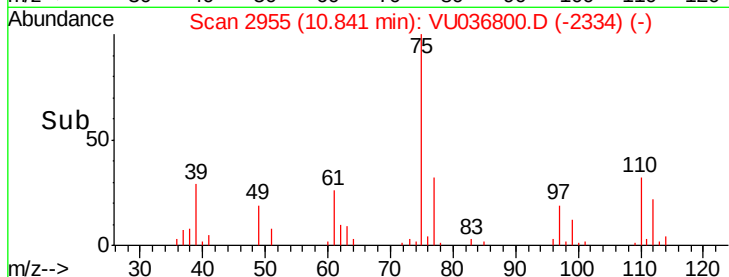
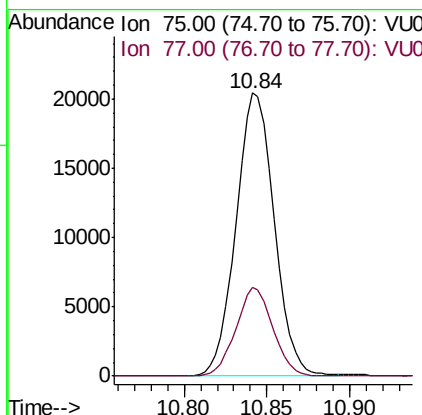
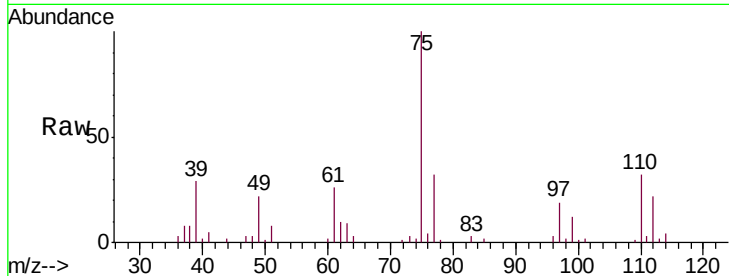




#59
 1,2,3-Trichloropropane
 Concen: 5.238 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. -0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

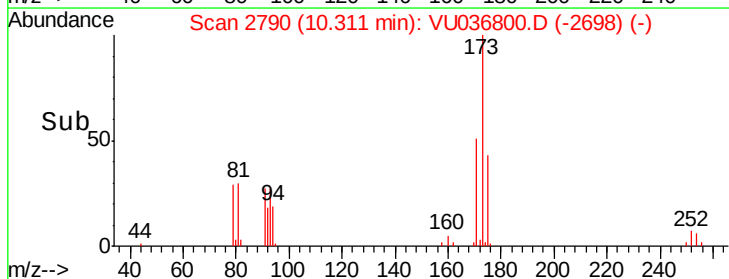
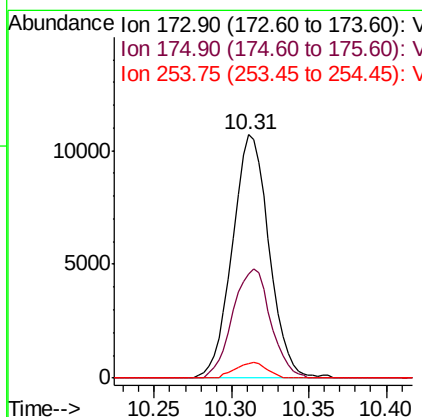
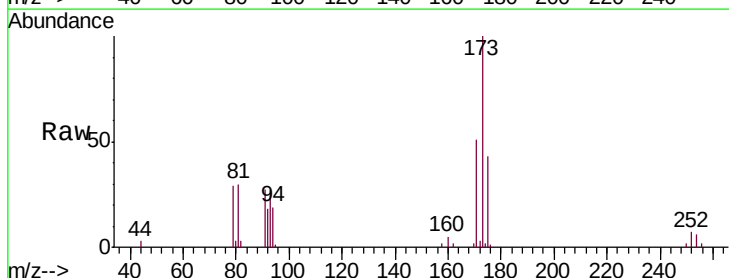
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

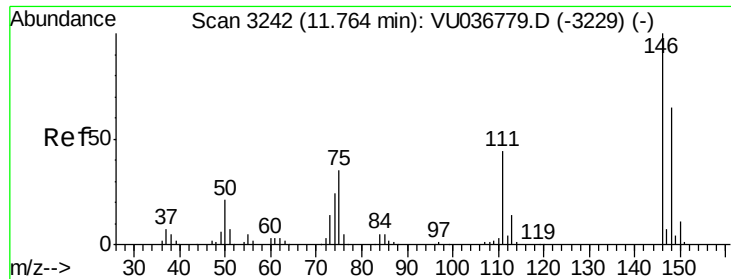
Tgt Ion: 75 Resp: 32821
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.6 38.4



#61
 Bromoform
 Concen: 5.048 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

Tgt Ion: 173 Resp: 17646
 Ion Ratio Lower Upper
 173 100
 175 46.2 39.9 59.9
 254 5.5 4.6 6.8

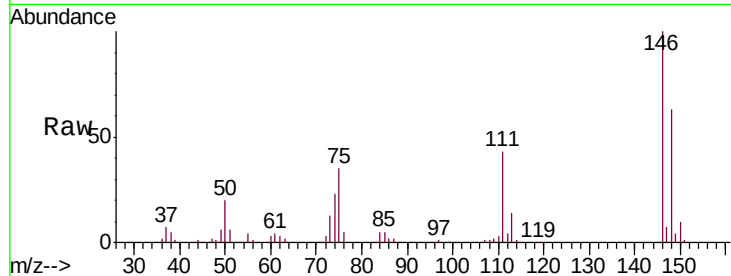




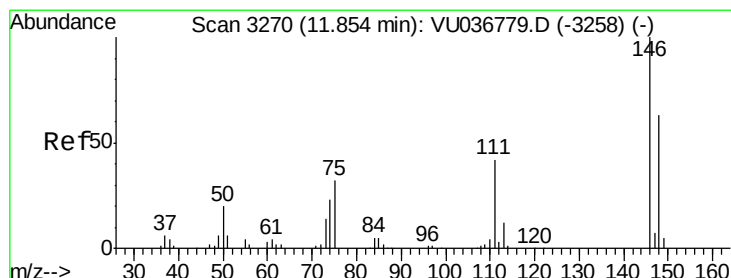
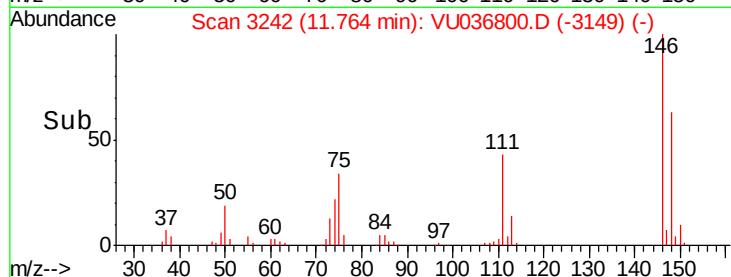
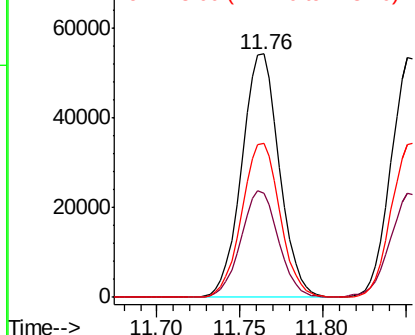
#62
 1,3-Dichlorobenzene
 Concen: 4.887 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tgt Ion:146 Resp: 85429
 Ion Ratio Lower Upper
 146 100
 111 42.6 30.0 55.8
 148 63.3 44.5 82.7

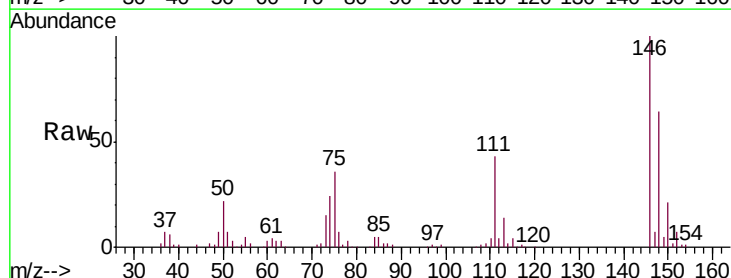


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

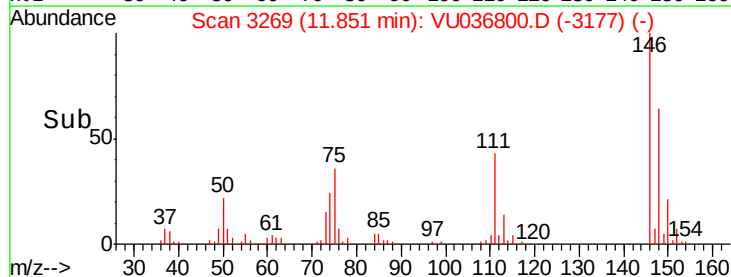
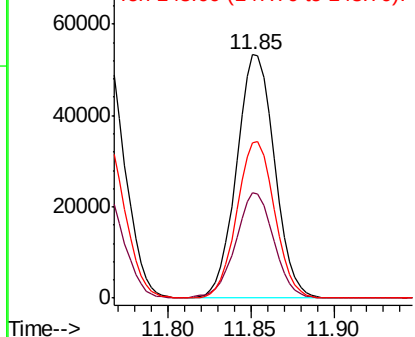


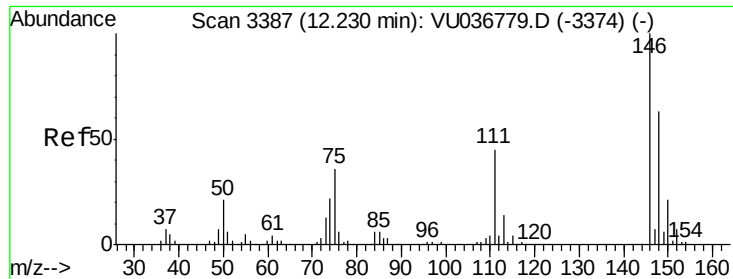
#63
 1,4-Dichlorobenzene
 Concen: 4.927 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

Tgt Ion:146 Resp: 85374
 Ion Ratio Lower Upper
 146 100
 111 43.5 29.2 54.2
 148 64.0 44.3 82.3



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

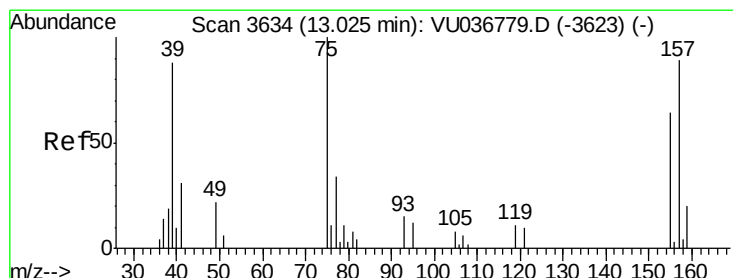
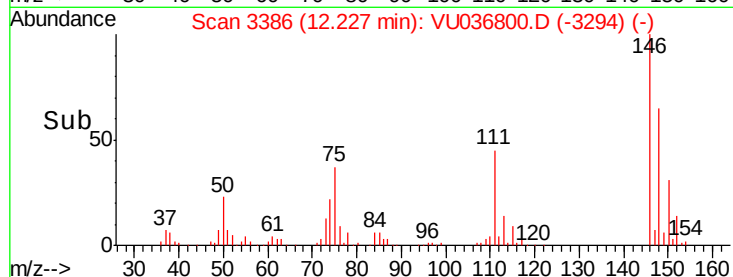
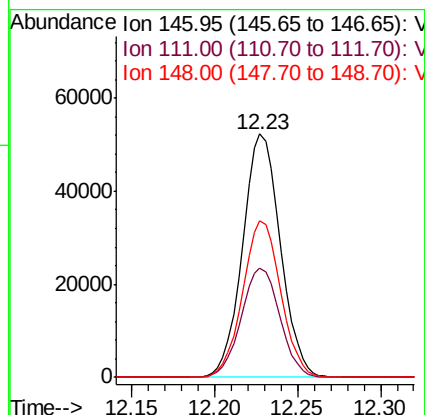
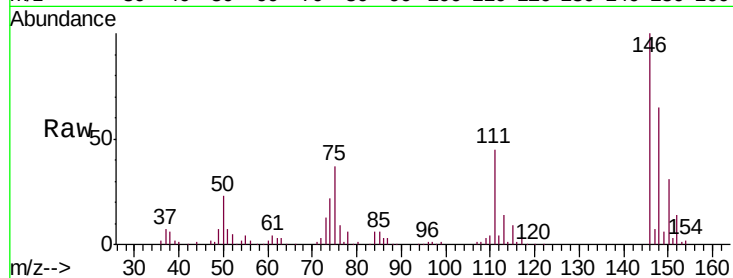




#65
 1,2-Dichlorobenzene
 Concen: 4.908 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

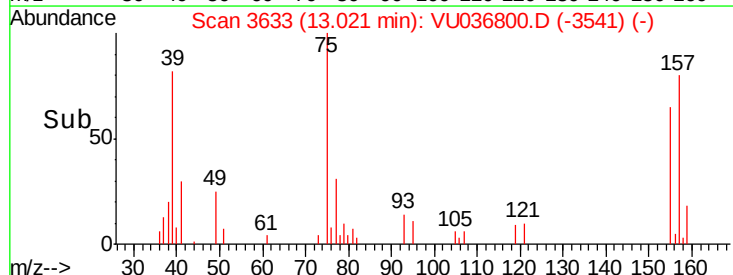
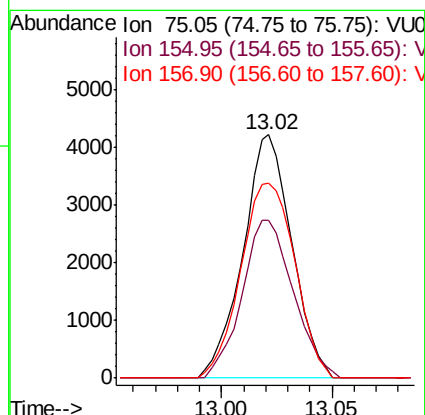
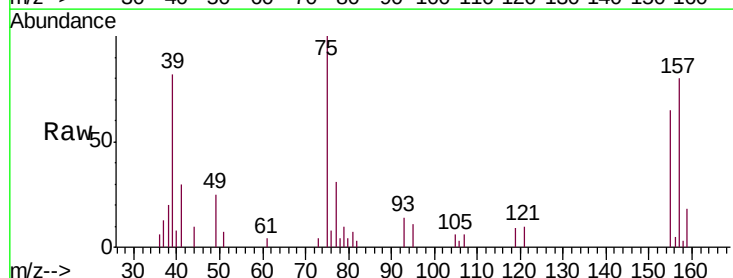
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

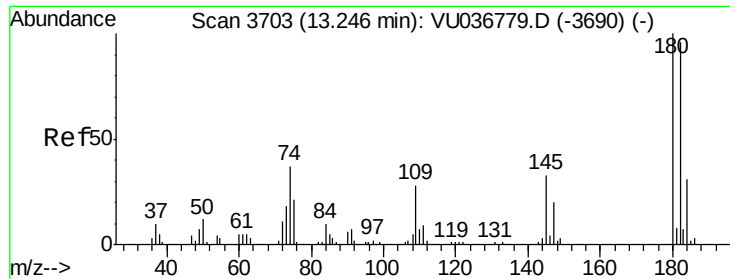
Tgt Ion: 146 Resp: 82713
 Ion Ratio Lower Upper
 146 100
 111 44.8 35.9 53.9
 148 64.5 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.151 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

Tgt Ion: 75 Resp: 6478
 Ion Ratio Lower Upper
 75 100
 155 65.0 52.9 79.3
 157 80.3 69.2 103.8

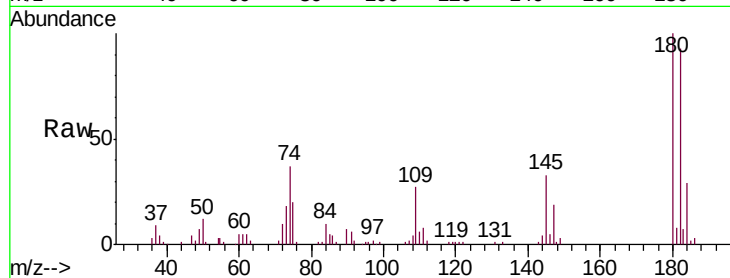




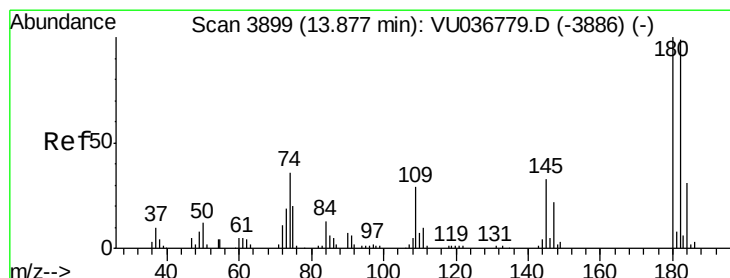
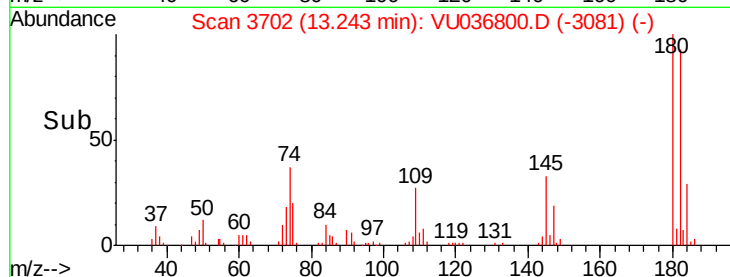
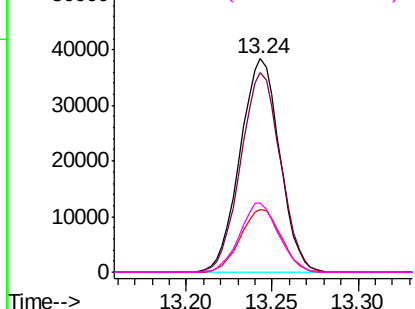
#67
 1,3,5-Trichlorobenzene
 Concen: 4.988 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tgt Ion:180 Resp: 61383
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.4 114.6
 184 30.1 24.6 37.0
 145 31.9 25.3 37.9

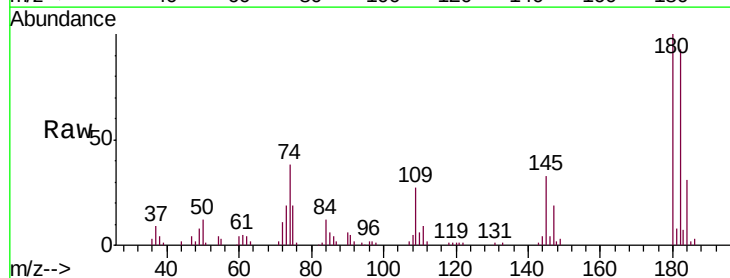


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

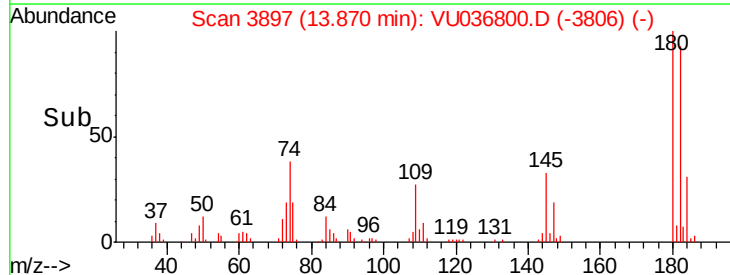
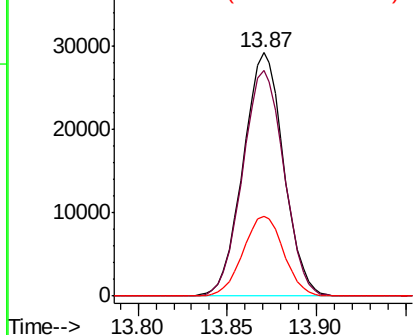


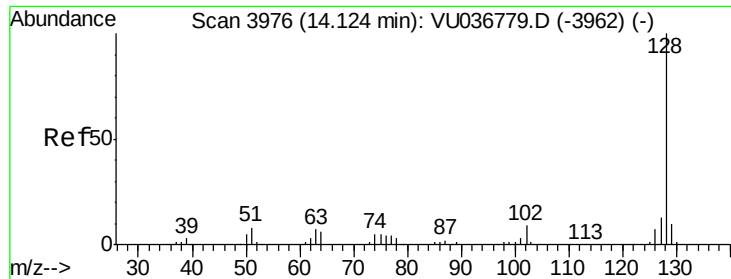
#68
 1,2,4-trichlorobenzene
 Concen: 4.983 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.01 min
 Lab File: VU036800.D
 Acq: 14 Feb 2020 20:38

Tgt Ion:180 Resp: 46241
 Ion Ratio Lower Upper
 180 100
 182 94.5 77.0 115.6
 145 32.9 26.5 39.7



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: 5.211 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.01 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

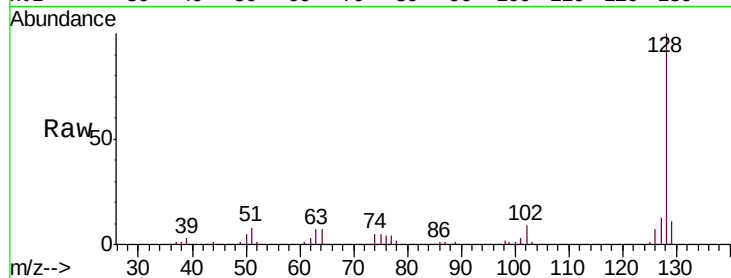
Tgt Ion:128 Resp: 87621

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

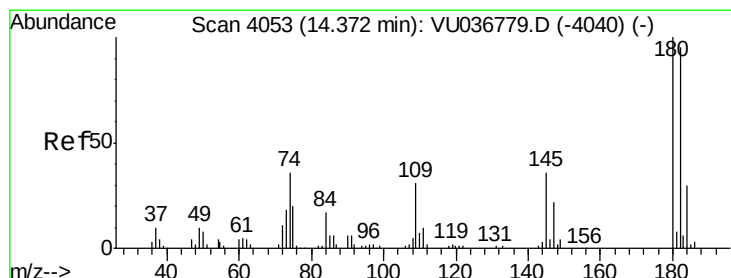
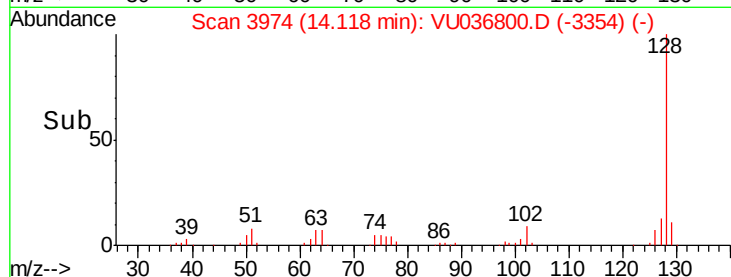
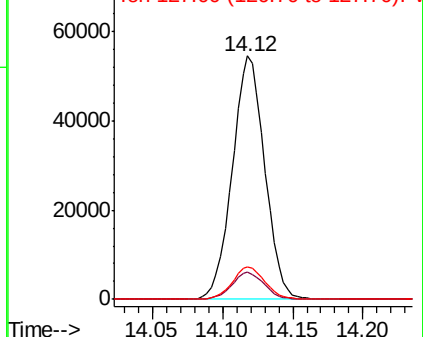
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.141 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. -0.01 min

Lab File: VU036800.D

Acq: 14 Feb 2020 20:38

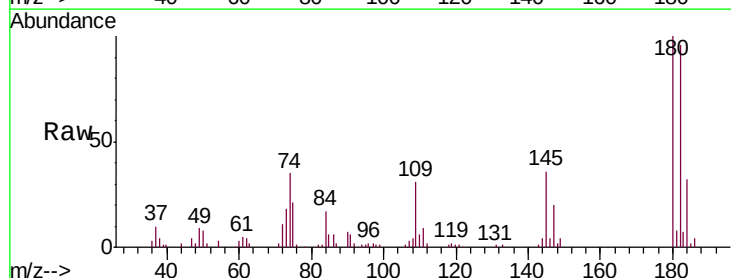
Tgt Ion:180 Resp: 42819

Ion Ratio Lower Upper

180 100

182 95.2 78.2 117.4

145 35.8 27.0 40.6



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

