

Data File : VU036779.D
Acq On : 14 Feb 2020 09:49
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Quant Time: Feb 14 23:27:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 14 15:05:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	137518	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	125512	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	57774	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	52200	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.93	69	48263	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.59	63	93629	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	4.68	46	144931	58.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.88%
24) Chloroform-d	5.11	84	93179	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.74	65	52912	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.76	84	196119	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.73	67	63151	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.93	98	177347	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	8.21	79	24671	5.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.80%
46) 2-Hexanone-d5	8.66	63	119694	55.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.36%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	48618	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	57035	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	44917	4.946 ug/L	100
3) Chloromethane	1.53	50	45704	4.835 ug/L	98
5) Vinyl chloride	1.62	62	52840	4.786 ug/L	96
6) Bromomethane	1.87	94	30716	4.630 ug/L	98
8) Chloroethane	1.95	64	35527	4.606 ug/L	99
9) Trichlorofluoromethane	2.16	101	69540	4.787 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	45259	4.879 ug/L	98
12) 1,1-Dichloroethene	2.60	96	39834	4.762 ug/L	94
13) Acetone	2.68	43	169437	53.428 ug/L	99
14) Carbon disulfide	2.82	76	94213	4.667 ug/L	99
15) Methyl Acetate	2.99	43	21360	5.076 ug/L	100
16) Methylene chloride	3.08	84	51272	3.636 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	126238	5.095 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	42371	4.908 ug/L	98
19) 1,1-Dichloroethane	3.91	63	90830	5.018 ug/L	97
21) 2-Butanone	4.76	43	197935	53.654 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	52675	5.043 ug/L	99

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ClientSampleId :
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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	20688	4.982	ug/L	97
25) Chloroform	5.13	83	90568	4.685	ug/L	98
27) 1,2-Dichloroethane	5.83	62	59910	4.862	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	70347	5.103	ug/L	99
30) Cyclohexane	5.43	56	74744	5.105	ug/L	100
31) Carbon tetrachloride	5.56	117	55276	4.970	ug/L	98
33) Benzene	5.81	78	196137	5.066	ug/L	100
34) Trichloroethene	6.57	95	49833	5.054	ug/L	98
35) Methylcyclohexane	6.79	83	78918	5.044	ug/L	97
37) 1,2-Dichloropropane	6.83	63	53815	5.091	ug/L	100
38) Bromodichloromethane	7.14	83	64765	5.134	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	79319	5.186	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	371398	54.447	ug/L	99
42) Toluene	8.00	91	211691	5.091	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	61437	5.140	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	37338	5.077	ug/L	98
47) Tetrachloroethene	8.58	164	32835	4.895	ug/L	99
48) 2-Hexanone	8.72	43	320340	54.877	ug/L	99
49) Dibromochloromethane	8.84	129	38890	5.114	ug/L	98
50) 1,2-Dibromoethane	8.95	107	33985	5.117	ug/L	100
51) Chlorobenzene	9.47	112	130791	5.085	ug/L	98
52) Ethylbenzene	9.59	91	234489	5.050	ug/L	99
53) m,p-Xylene	9.72	106	84841	4.964	ug/L	93
54) o-Xylene	10.12	106	86184	5.135	ug/L	100
55) Styrene	10.14	104	144557	5.110	ug/L	98
56) Isopropylbenzene	10.50	105	229918	5.119	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	49160	5.107	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	35138	5.035	ug/L	98
61) Bromoform	10.31	173	20404	5.126	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	97358	4.891	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	98397	4.987	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	94675	4.934	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	7424	5.184	ug/L	97
67) 1,3,5-Trichlorobenzene	13.25	180	70411	5.025	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	54925	5.198	ug/L	100
69) Naphthalene	14.12	128	126980	6.632	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	50453	5.320	ug/L	97

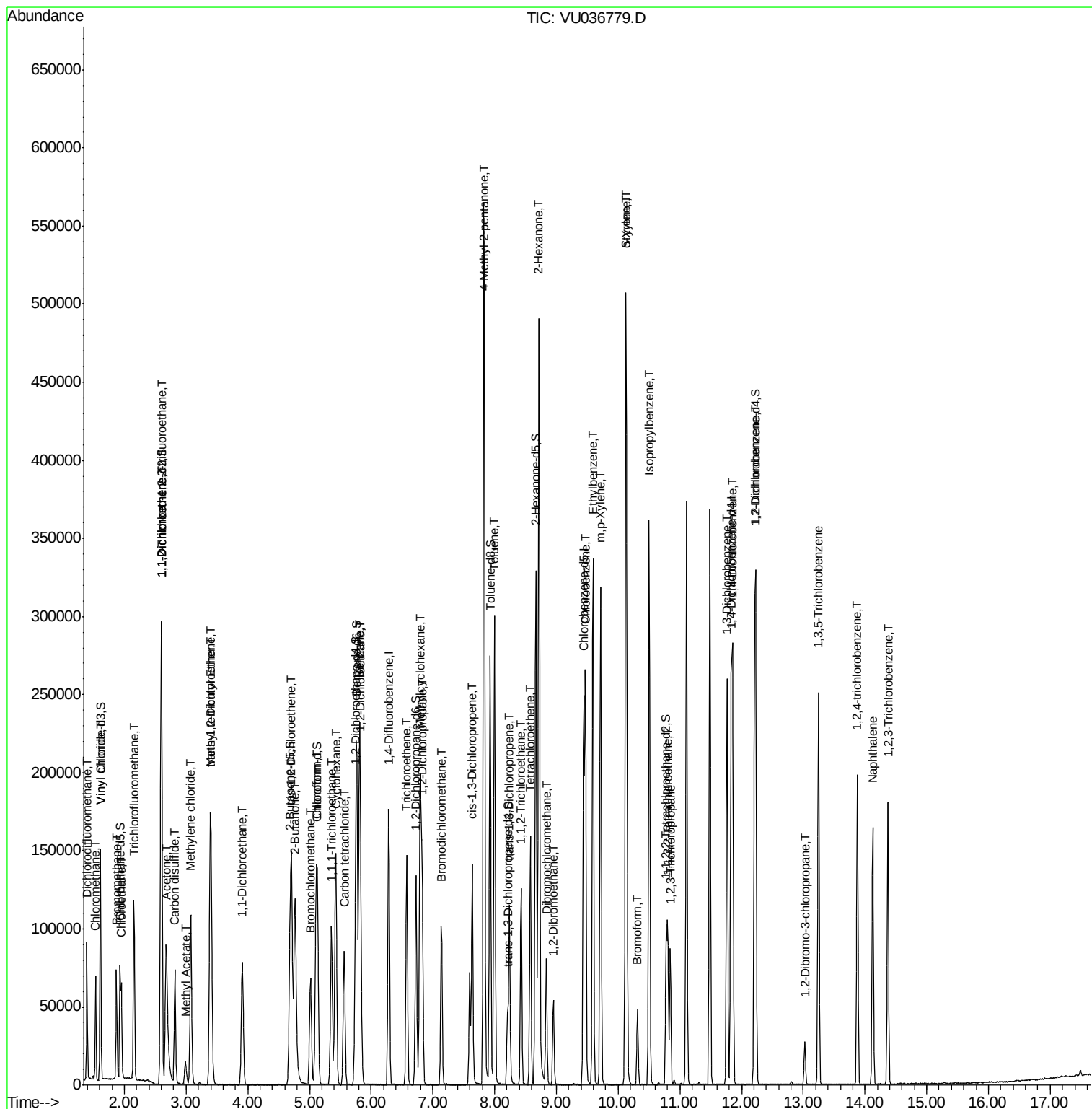
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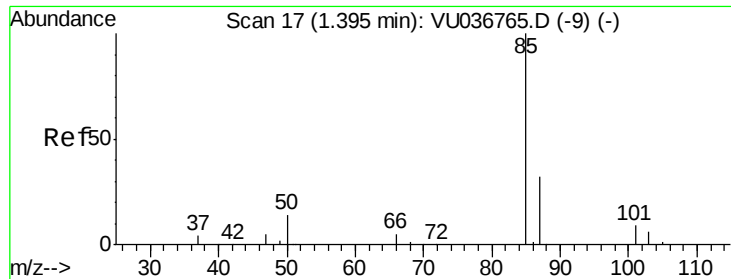
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MSVOA_U
ClientSampleId :
VSTD00518

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#2

Dichlorodifluoromethane

Concen: 4.946 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

MSVOA_U

ClientSampleId :

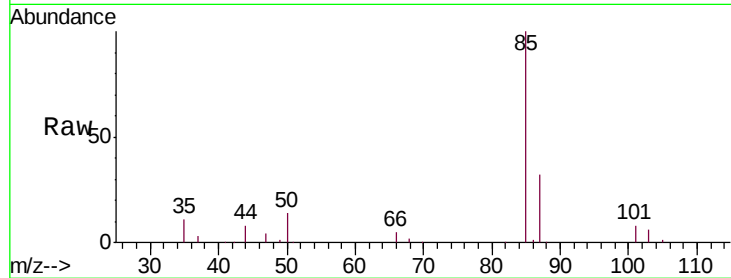
VSTD00518

Tgt Ion: 85 Resp: 44917

Ion Ratio Lower Upper

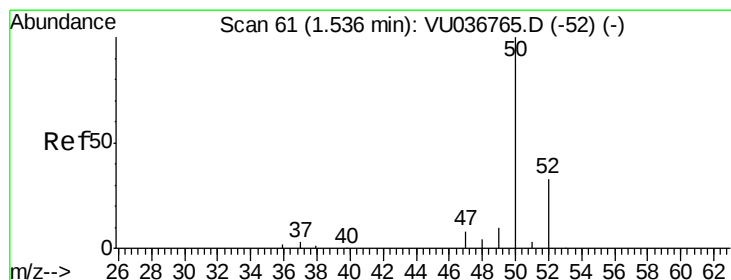
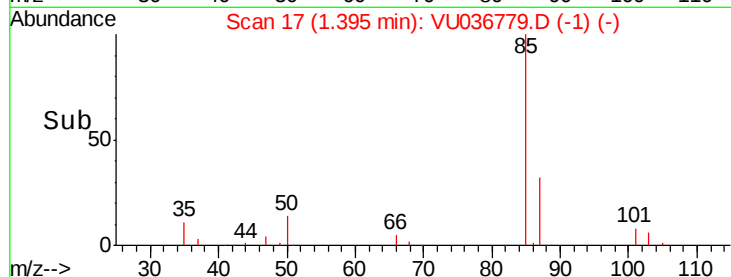
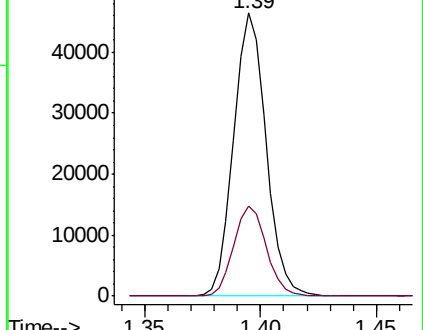
85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036765.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036779.D (-1) (-)



#3

Chloromethane

Concen: 4.835 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU036779.D

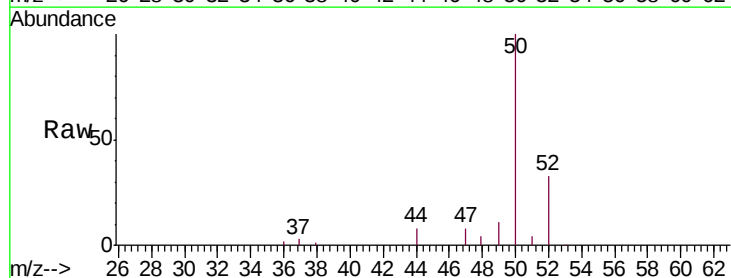
Acq: 14 Feb 2020 09:49

Tgt Ion: 50 Resp: 45704

Ion Ratio Lower Upper

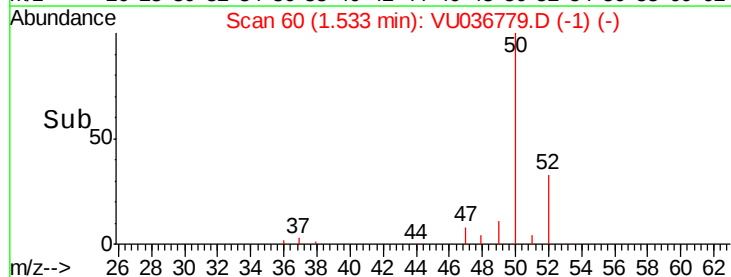
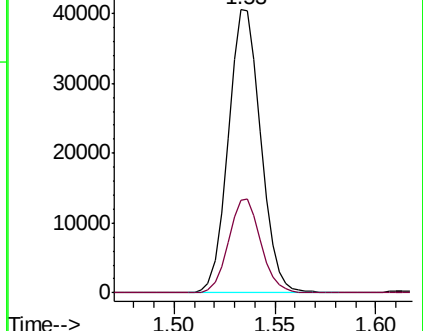
50 100

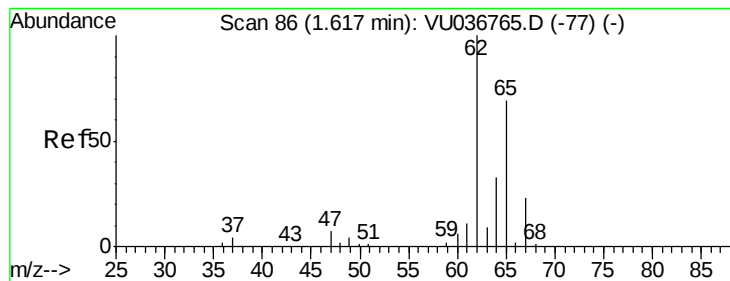
52 32.9 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036765.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036779.D (-1) (-)





#5

Vinyl chloride

Concen: 4.786 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

MSVOA_U

ClientSampleId :

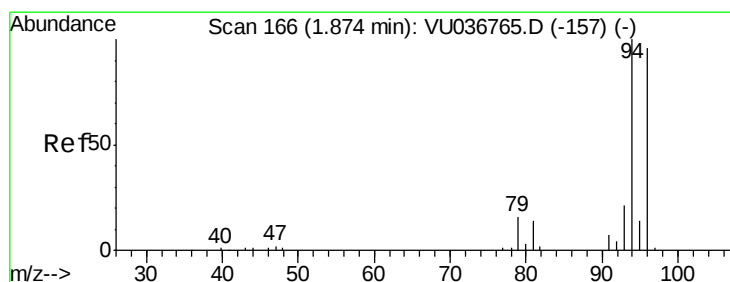
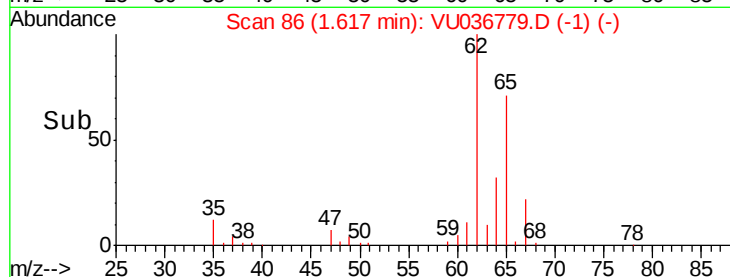
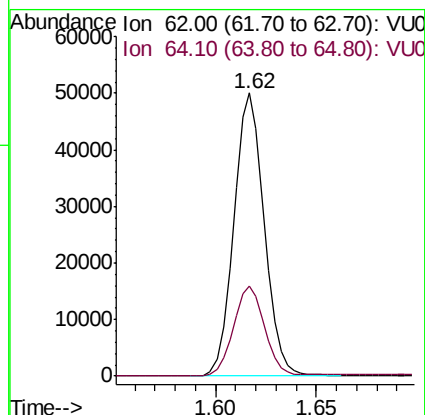
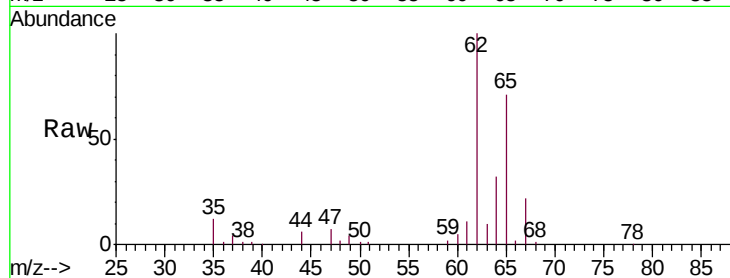
VSTD00518

Tgt Ion: 62 Resp: 52840

Ion Ratio Lower Upper

62 100

64 31.9 24.1 44.7



#6

Bromomethane

Concen: 4.630 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036779.D

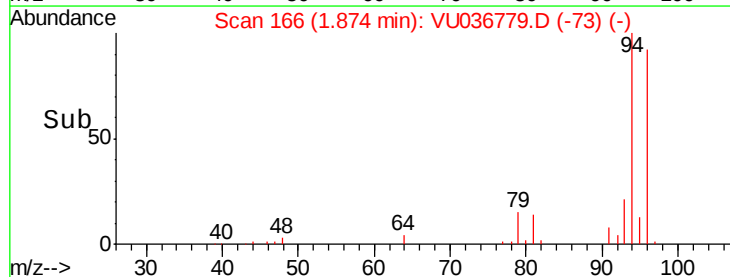
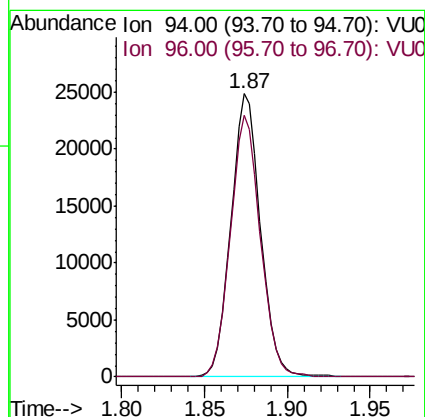
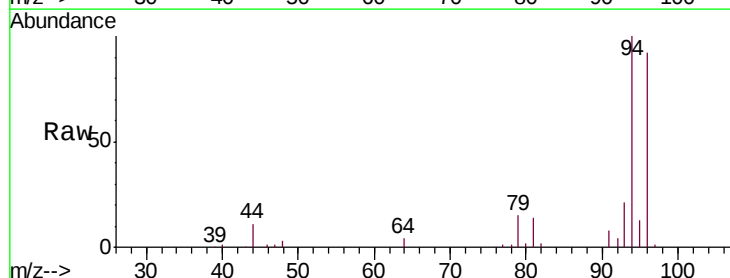
Acq: 14 Feb 2020 09:49

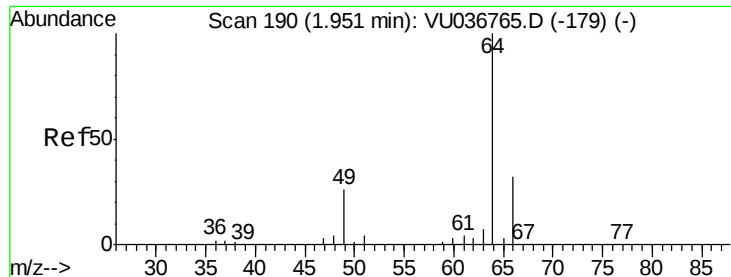
Tgt Ion: 94 Resp: 30716

Ion Ratio Lower Upper

94 100

96 92.5 63.3 117.7





#8

Chloroethane

Concen: 4.606 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

MSVOA_U

ClientSampleId :

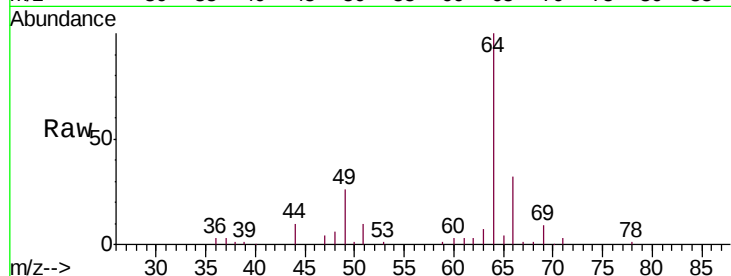
VSTD00518

Tgt Ion: 64 Resp: 35527

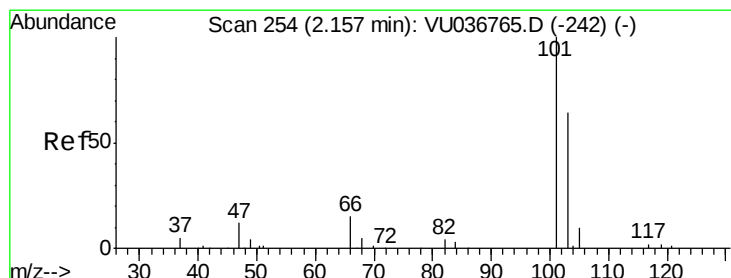
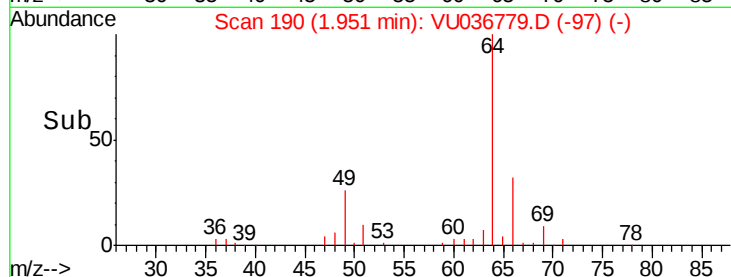
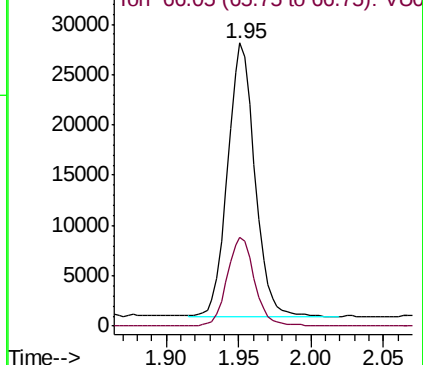
Ion Ratio Lower Upper

64 100

66 31.6 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU036779.D (-97) (-)



#9

Trichlorofluoromethane

Concen: 4.787 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036779.D

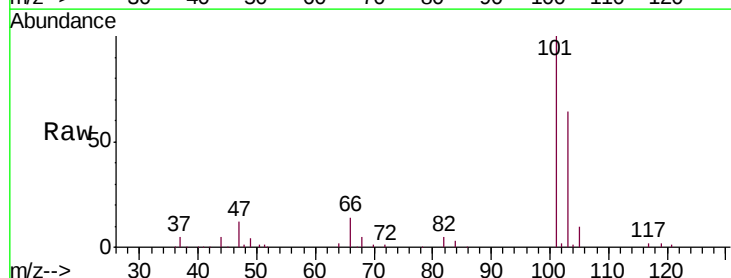
Acq: 14 Feb 2020 09:49

Tgt Ion: 101 Resp: 69540

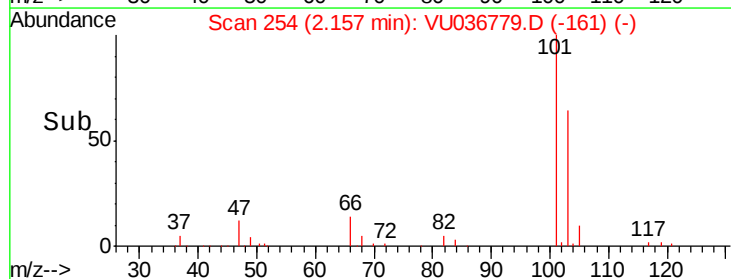
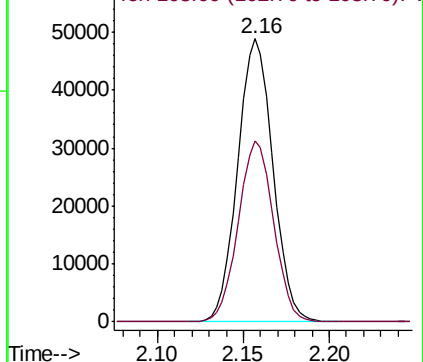
Ion Ratio Lower Upper

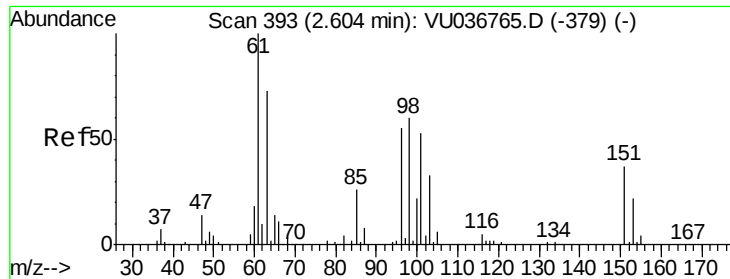
101 100

103 64.0 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU036779.D (-161) (-)





#10

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

Concen: 4.879 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

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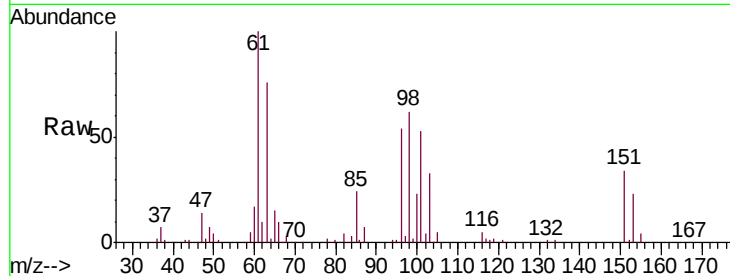
Tgt Ion: 101 Resp: 45259

Ion Ratio Lower Upper

101 100

85 44.4 36.4 54.6

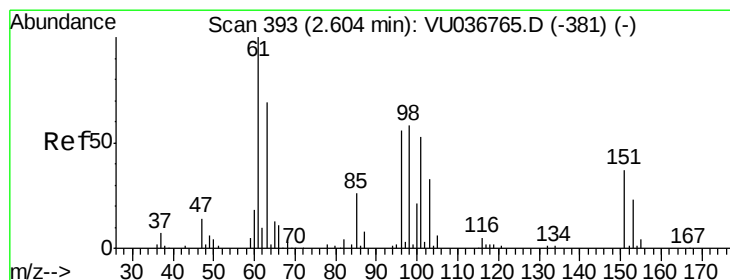
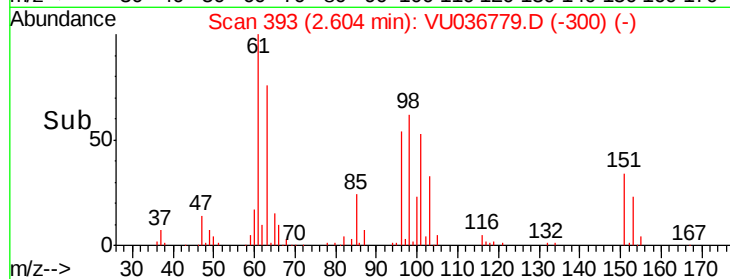
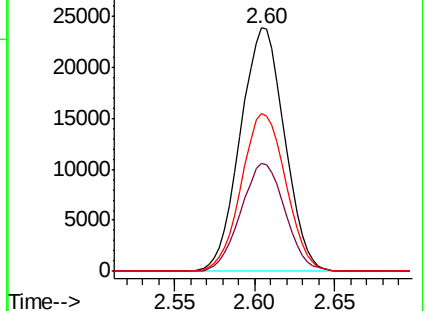
151 65.3 54.0 81.0



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: 4.762 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

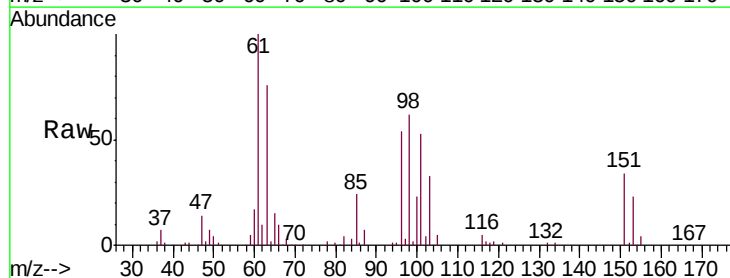
Tgt Ion: 96 Resp: 39834

Ion Ratio Lower Upper

96 100

61 184.3 126.4 234.8

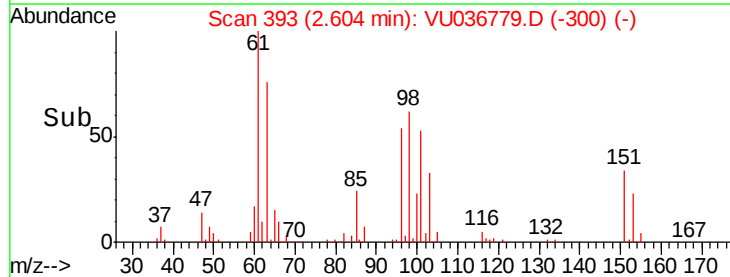
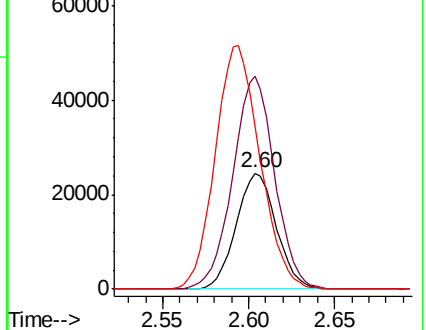
63 140.4 89.5 166.3

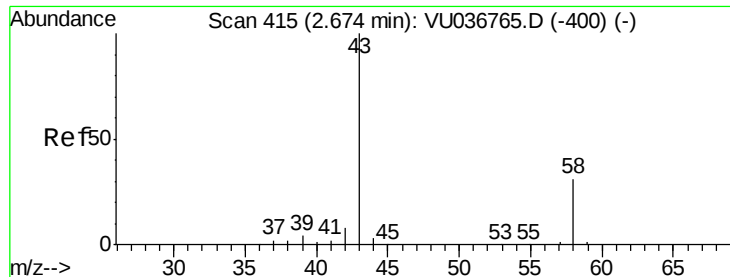


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.428 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

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ClientSampleId :

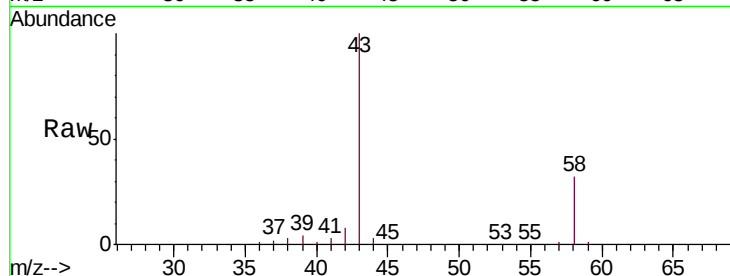
VSTD00518

Tgt Ion: 43 Resp: 169437

Ion Ratio Lower Upper

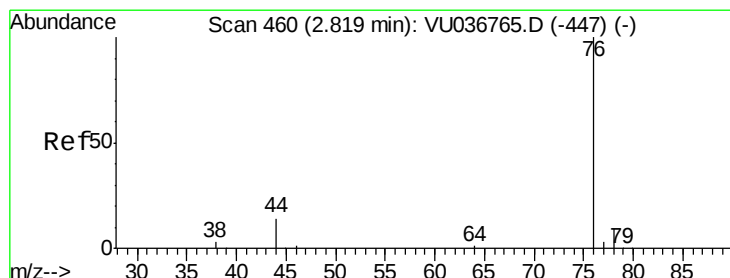
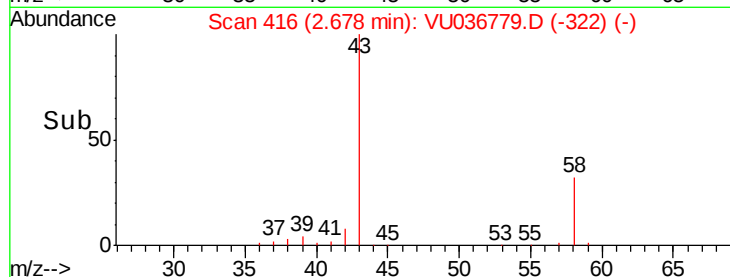
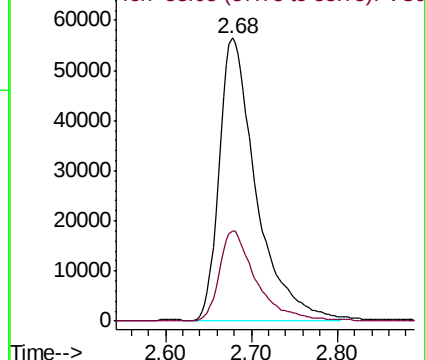
43 100

58 31.5 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036779.D (-322) (-)

Ion 58.05 (57.75 to 58.75): VU036779.D (-322) (-)



#14

Carbon disulfide

Concen: 4.667 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036779.D

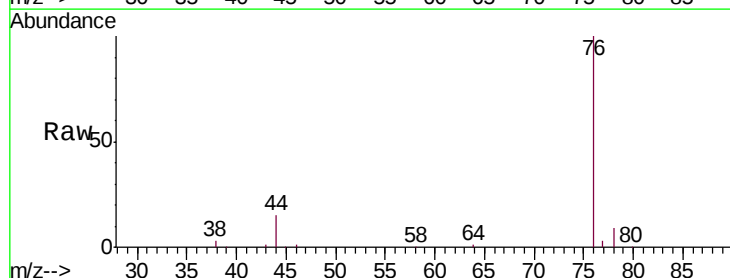
Acq: 14 Feb 2020 09:49

Tgt Ion: 76 Resp: 94213

Ion Ratio Lower Upper

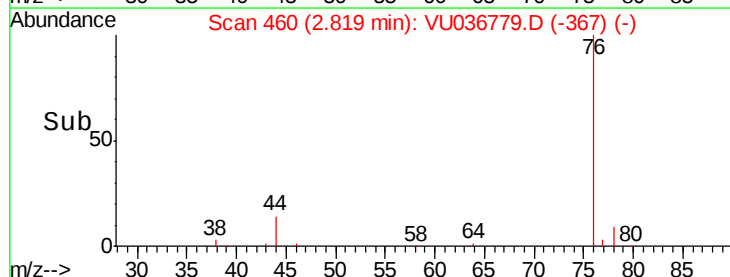
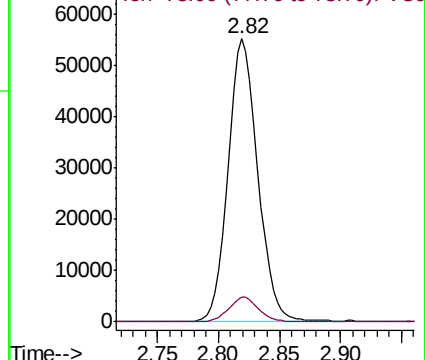
76 100

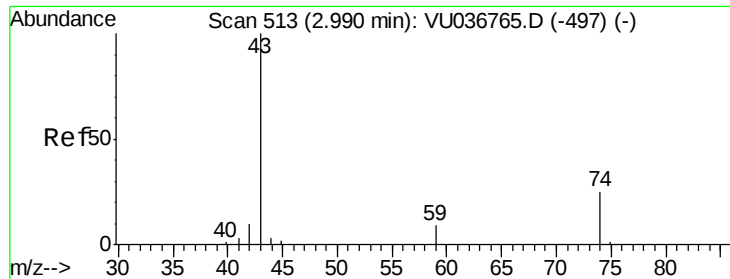
78 8.8 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036779.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036779.D (-367) (-)

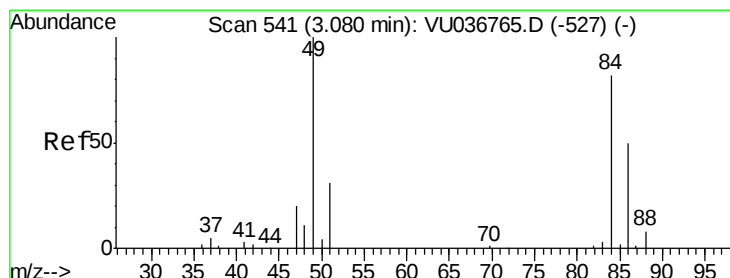
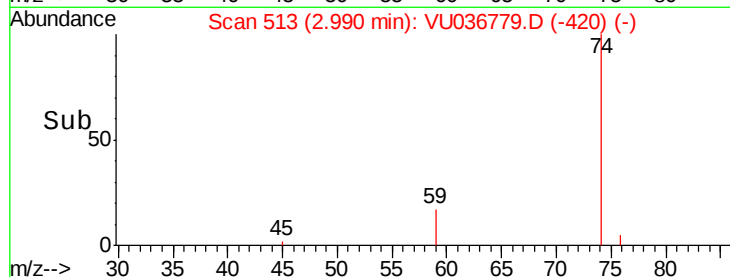
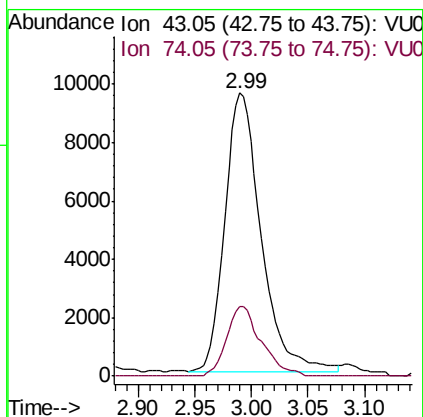
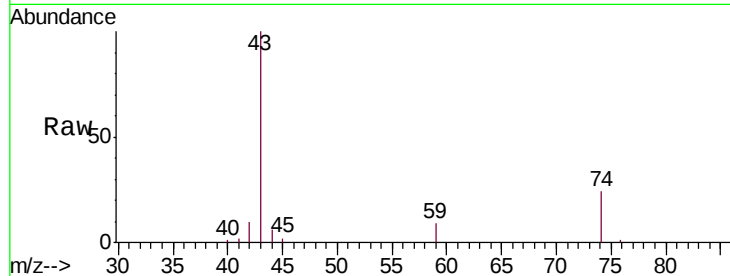




#15
Methyl Acetate
Concen: 5.076 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU036779.D
Acq: 14 Feb 2020 09:49

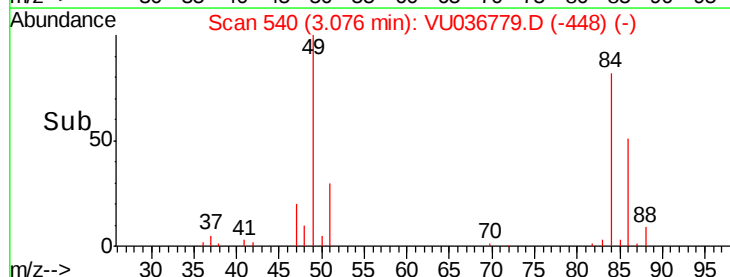
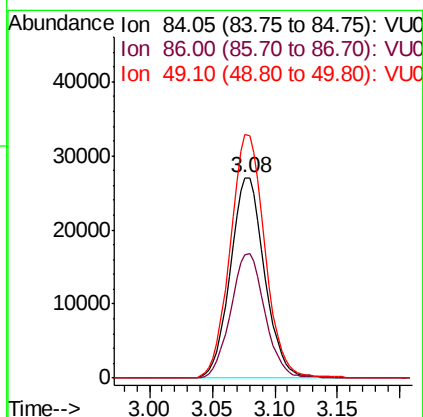
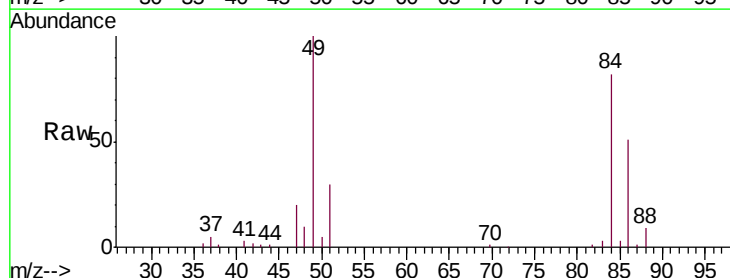
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

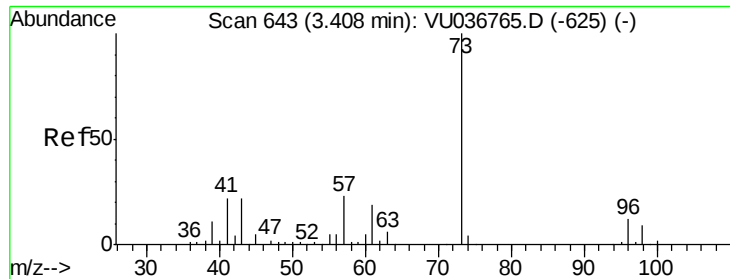
Tgt Ion: 43 Resp: 21360
Ion Ratio Lower Upper
43 100
74 23.8 19.0 28.4



#16
Methylene chloride
Concen: 3.636 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU036779.D
Acq: 14 Feb 2020 09:49

Tgt Ion: 84 Resp: 51272
Ion Ratio Lower Upper
84 100
86 61.7 44.7 82.9
49 121.4 86.7 160.9

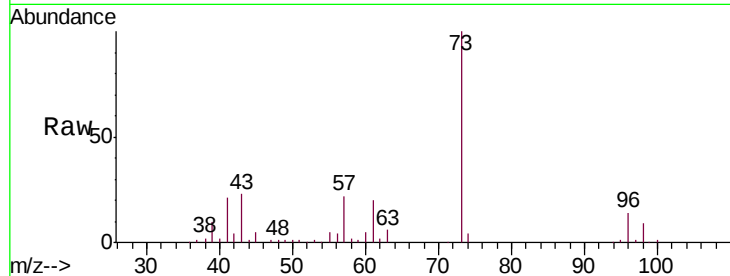




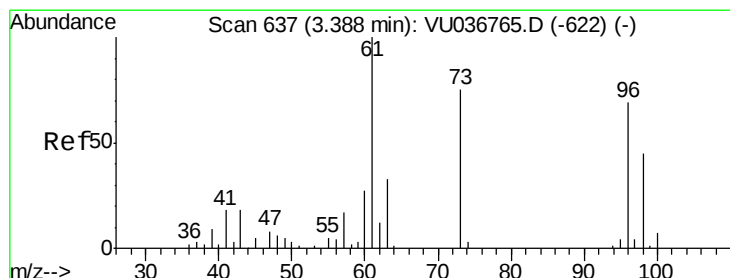
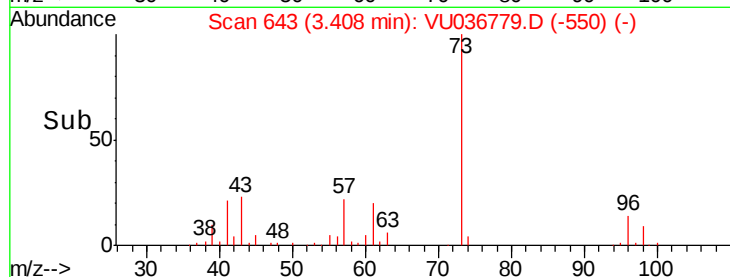
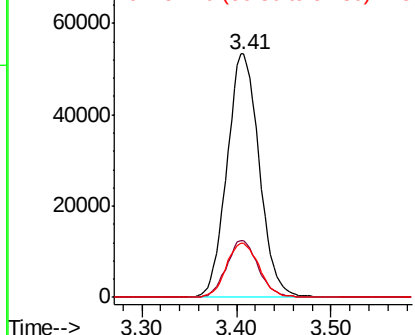
#17
Methyl tert-butyl Ether
Concen: 5.095 ug/L
RT: 3.41 min Scan# 643
Delta R.T. 0.00 min
Lab File: VU036779.D
Acq: 14 Feb 2020 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tgt Ion: 73 Resp: 126238
Ion Ratio Lower Upper
73 100
43 23.0 18.7 28.1
57 22.6 17.9 26.9

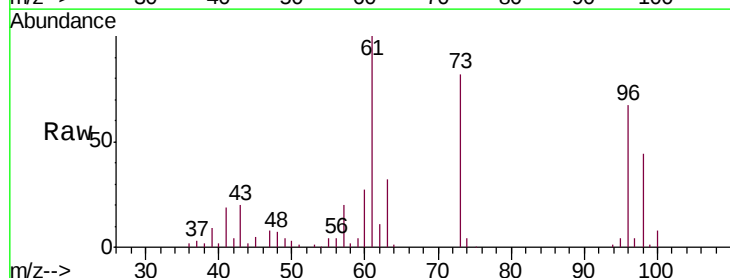


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

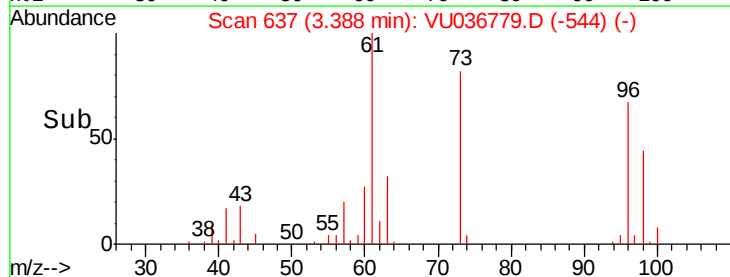
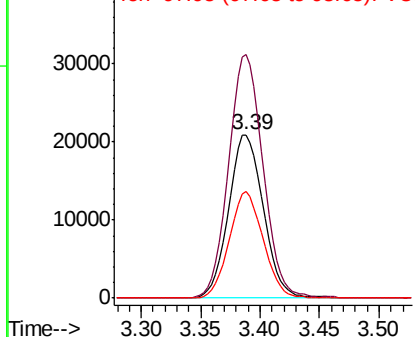


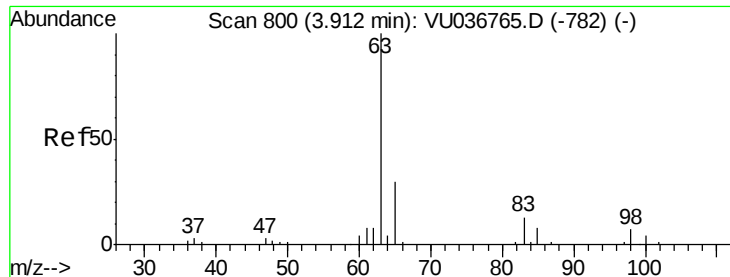
#18
trans-1,2-Dichloroethene
Concen: 4.908 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU036779.D
Acq: 14 Feb 2020 09:49

Tgt Ion: 96 Resp: 42371
Ion Ratio Lower Upper
96 100
61 149.1 102.6 190.5
98 65.3 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

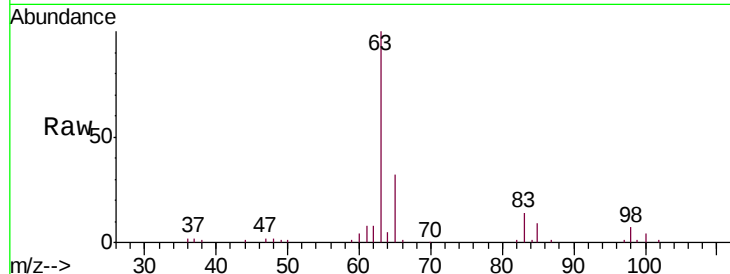




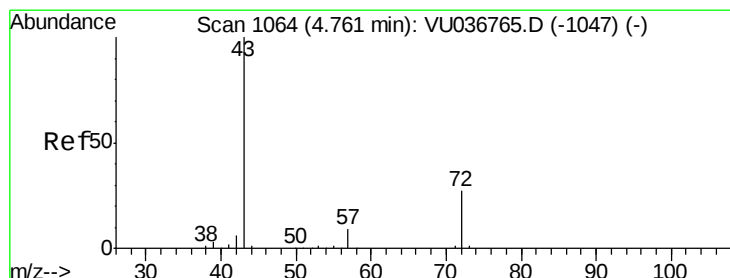
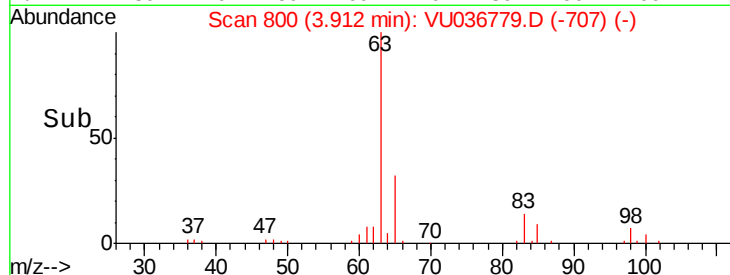
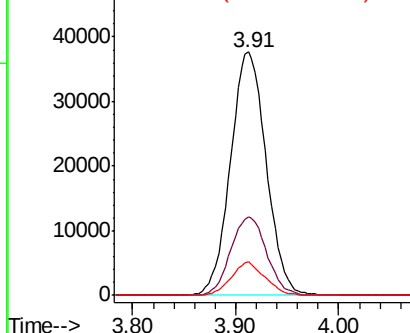
#19
 1,1-Dichloroethane
 Concen: 5.018 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU036779.D
 Acq: 14 Feb 2020 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tgt Ion: 63 Resp: 90830
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.6 40.2
 83 13.7 8.8 16.3

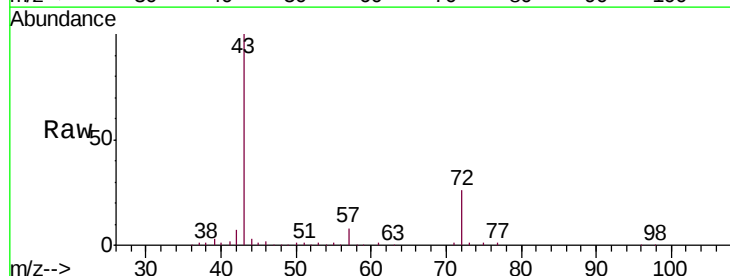


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

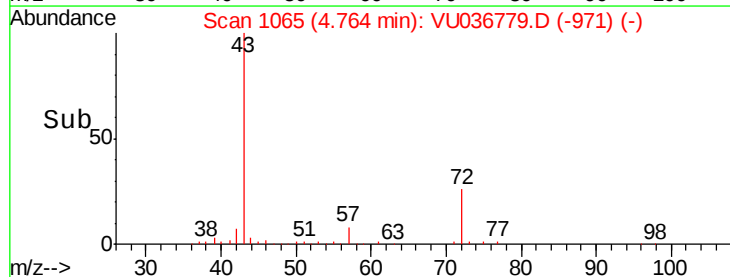
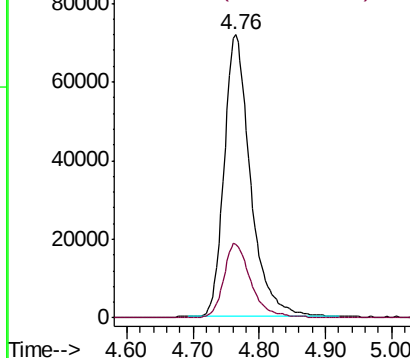


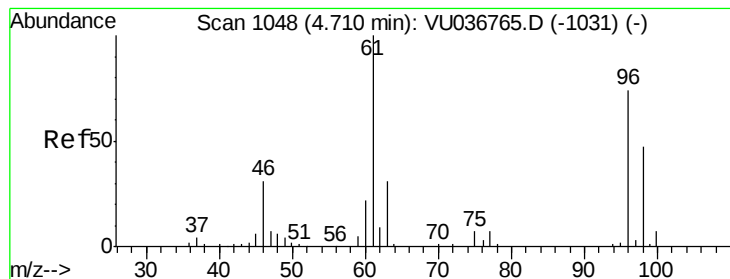
#21
 2-Butanone
 Concen: 53.654 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VU036779.D
 Acq: 14 Feb 2020 09:49

Tgt Ion: 43 Resp: 197935
 Ion Ratio Lower Upper
 43 100
 72 27.6 14.0 41.9



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.043 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

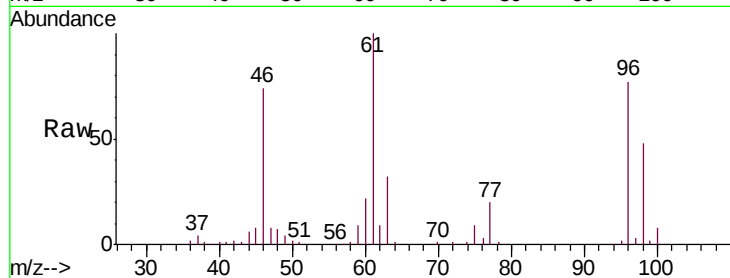
Tgt Ion: 96 Resp: 52675

Ion Ratio Lower Upper

96 100

61 129.4 91.2 169.4

68 0.0 0.0 0.0

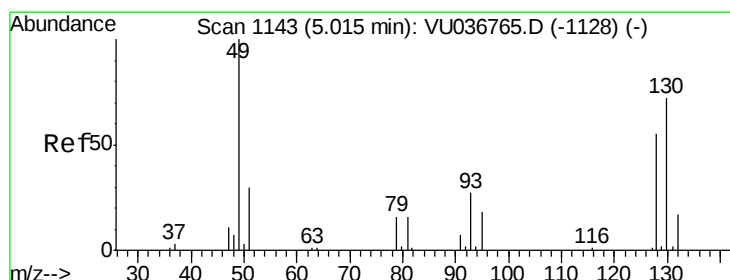
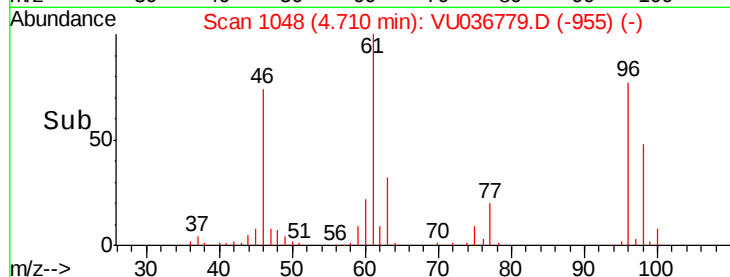
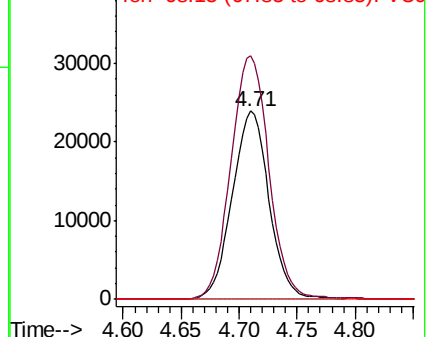


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.982 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Tgt Ion: 128 Resp: 20688

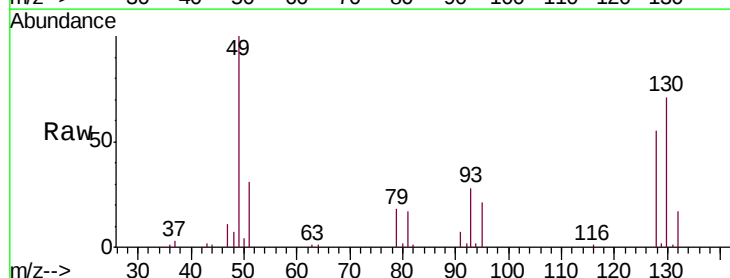
Ion Ratio Lower Upper

128 100

49 181.8 132.4 245.8

130 129.1 89.0 165.2

51 56.5 45.6 68.4



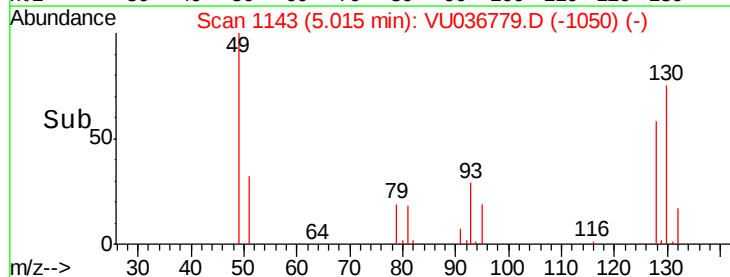
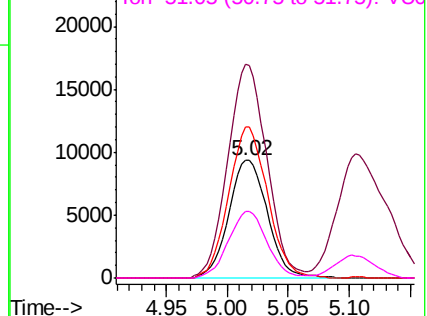
Abundance

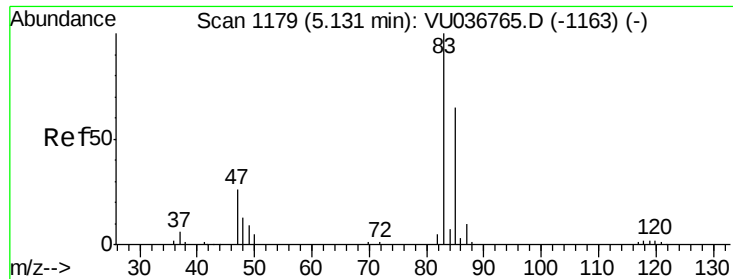
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

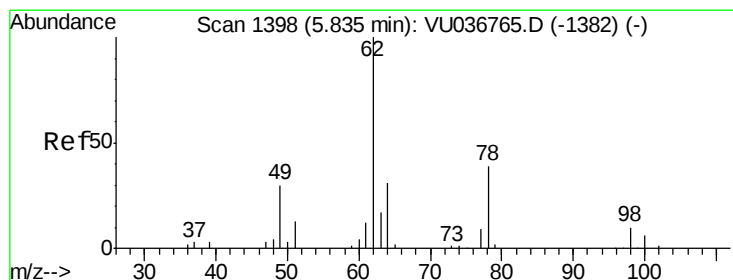
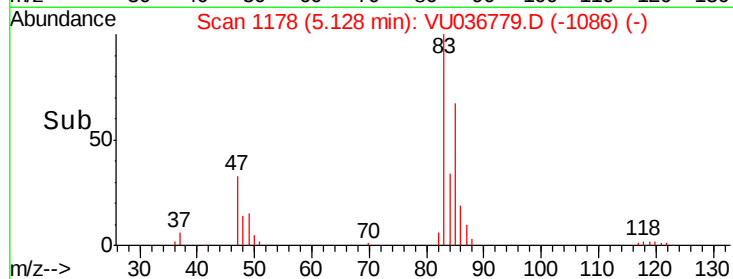
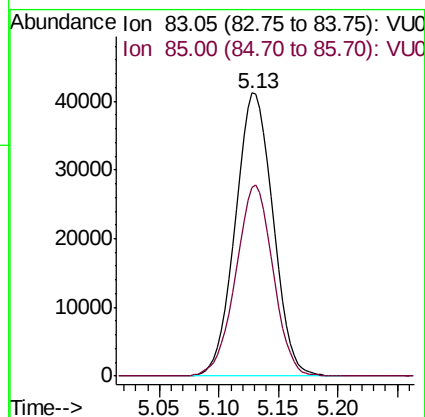
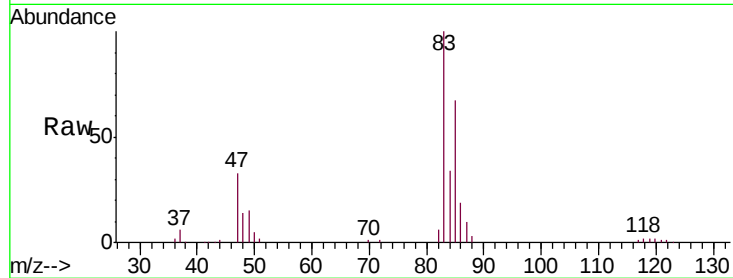




#25
Chloroform
Concen: 4.685 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU036779.D
Acq: 14 Feb 2020 09:49

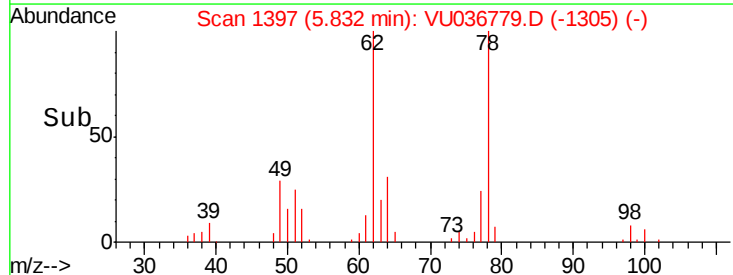
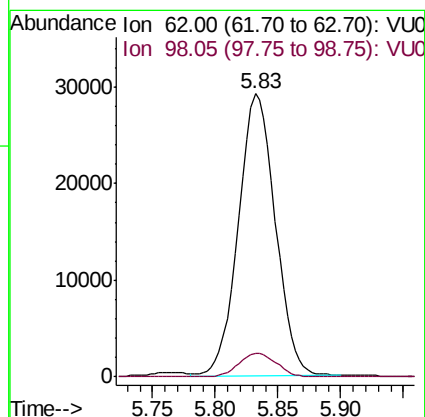
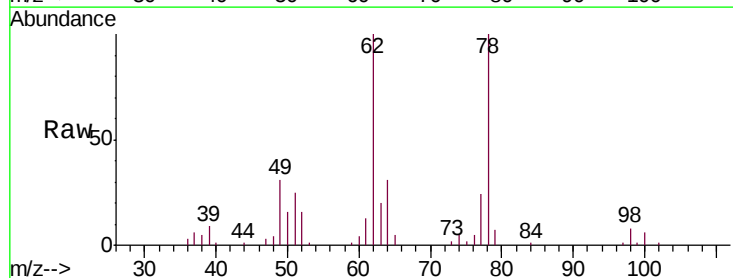
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

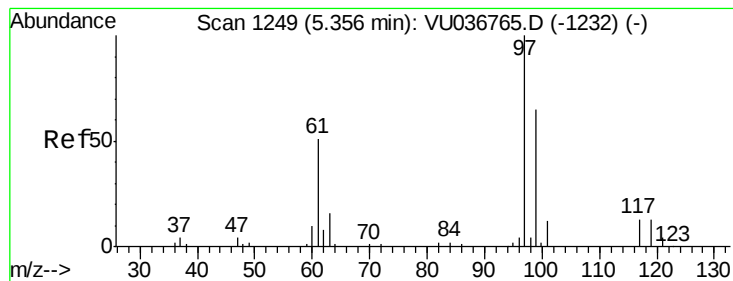
Tgt Ion: 83 Resp: 90568
Ion Ratio Lower Upper
83 100
85 66.6 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.862 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU036779.D
Acq: 14 Feb 2020 09:49

Tgt Ion: 62 Resp: 59910
Ion Ratio Lower Upper
62 100
98 8.2 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 5.103 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

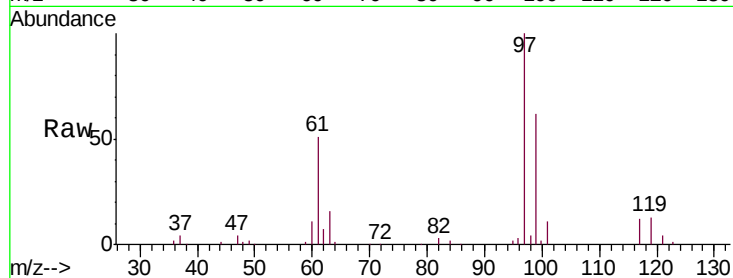
Tgt Ion: 97 Resp: 70347

Ion Ratio Lower Upper

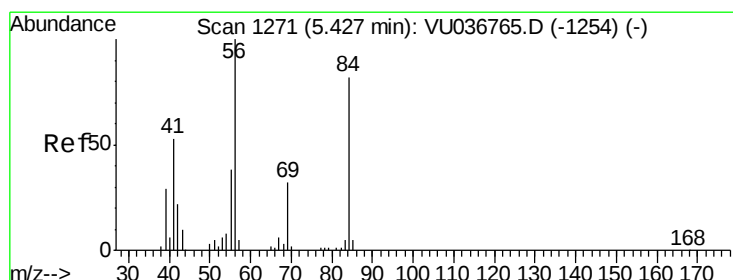
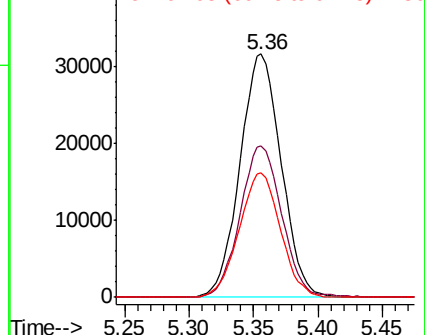
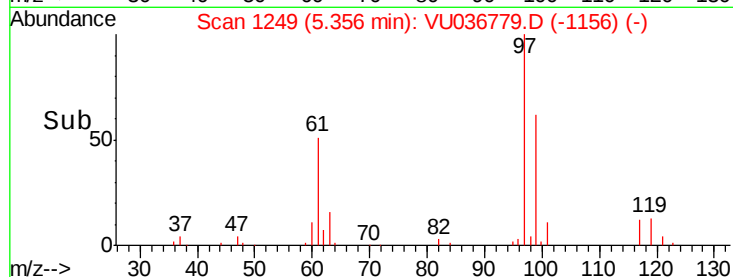
97 100

99 63.2 51.0 76.4

61 51.1 41.6 62.4



Abundance Ion 96.95 (96.65 to 97.65): VU036779.D (-1156) (-)



#30

Cyclohexane

Concen: 5.105 ug/L

RT: 5.43 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

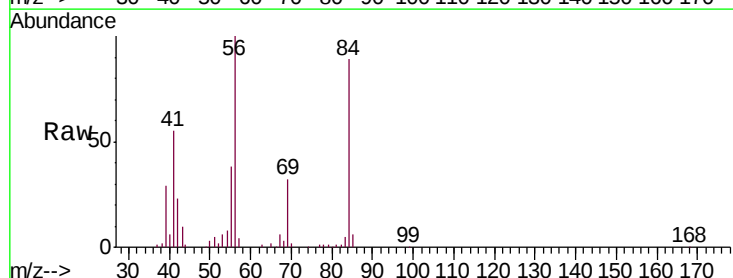
Tgt Ion: 56 Resp: 74744

Ion Ratio Lower Upper

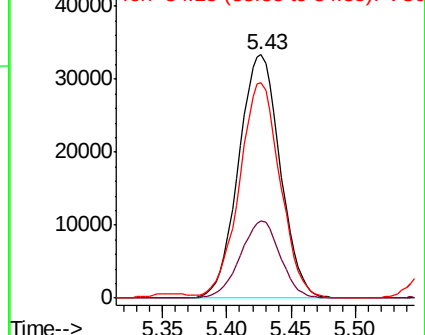
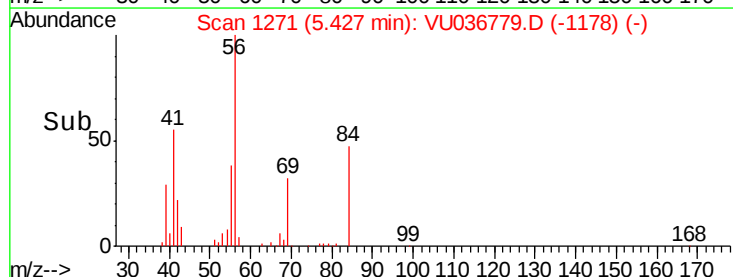
56 100

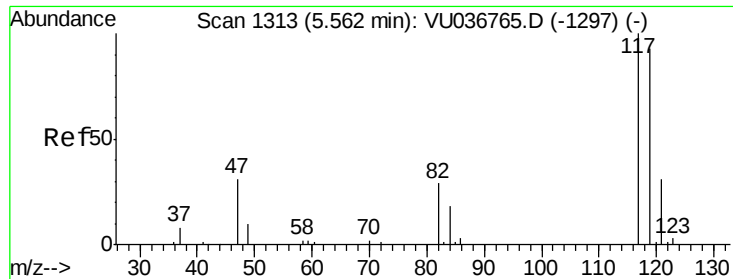
69 30.6 24.6 37.0

84 87.2 70.0 105.0



Abundance Ion 56.10 (55.80 to 56.80): VU036779.D (-1178) (-)





#31

Carbon tetrachloride

Concen: 4.970 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

MSVOA_U

ClientSampled :

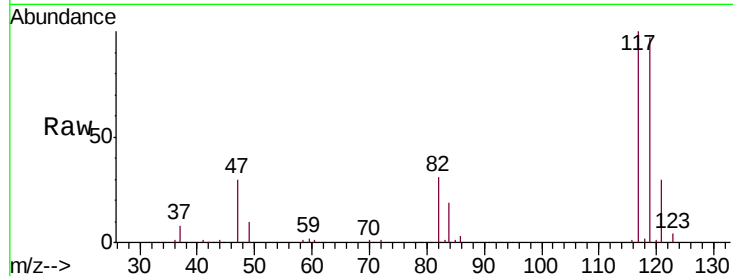
VSTD00518

Tgt Ion:117 Resp: 55276

Ion Ratio Lower Upper

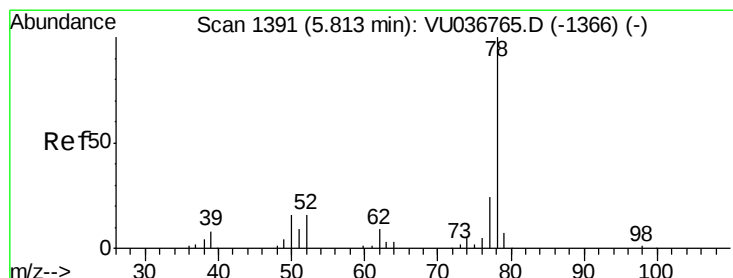
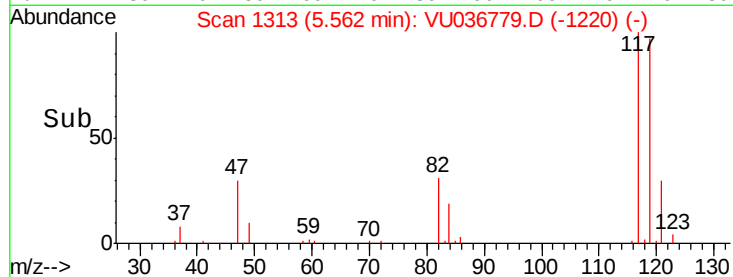
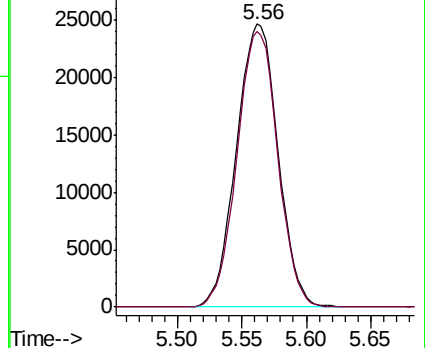
117 100

119 95.2 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: 5.066 ug/L

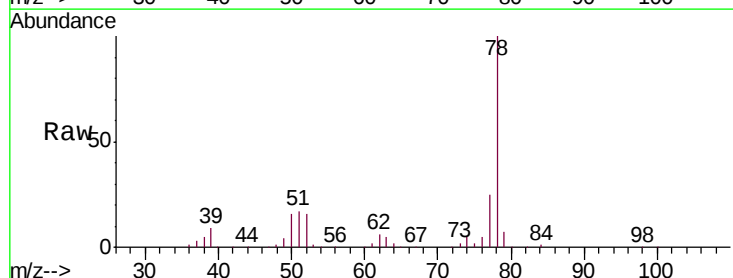
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

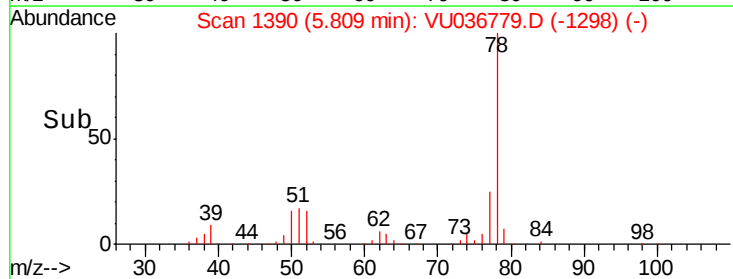
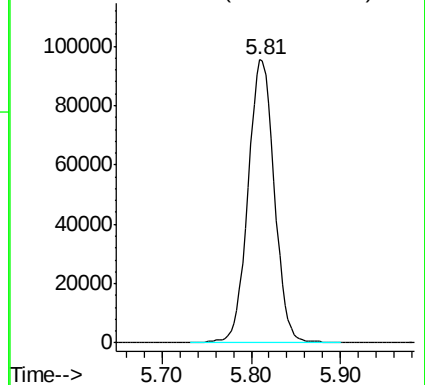
Lab File: VU036779.D

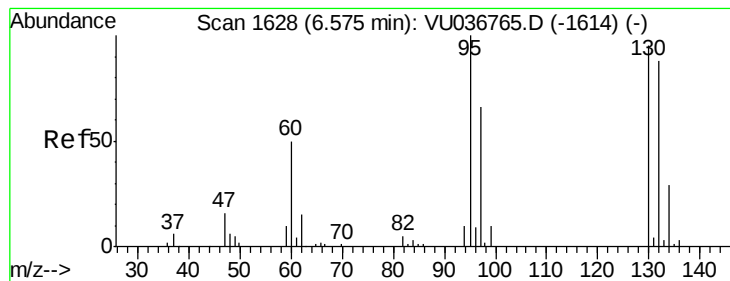
Acq: 14 Feb 2020 09:49

Tgt Ion: 78 Resp: 196137



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.054 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

Tgt Ion: 95 Resp: 49833

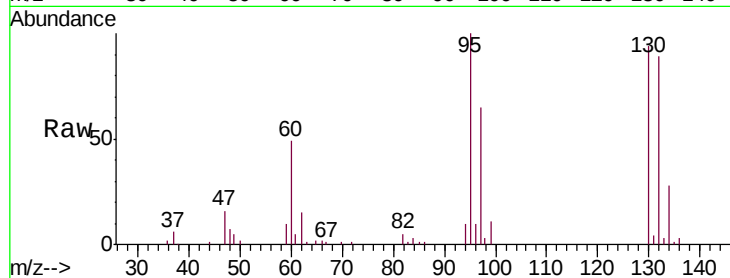
Ion Ratio Lower Upper

95 100

97 64.6 45.6 84.8

132 88.6 62.8 116.6

130 93.5 63.8 118.4

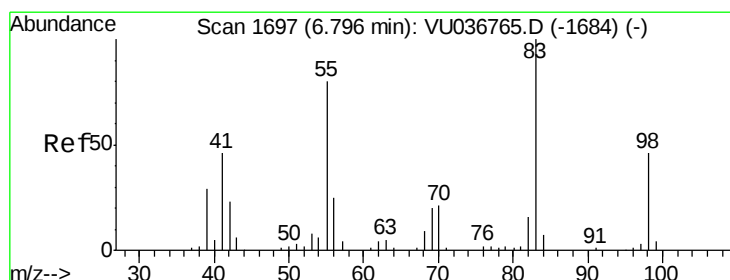
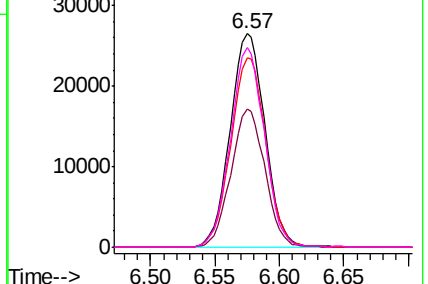
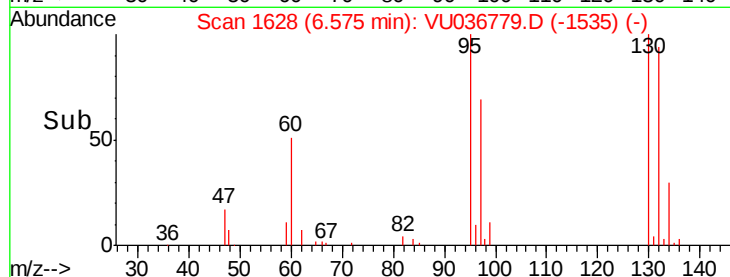


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.044 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

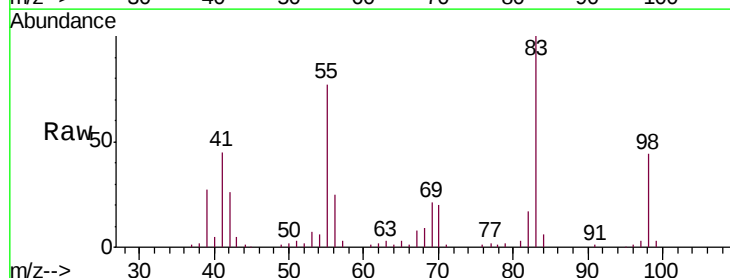
Tgt Ion: 83 Resp: 78918

Ion Ratio Lower Upper

83 100

55 78.3 61.0 91.4

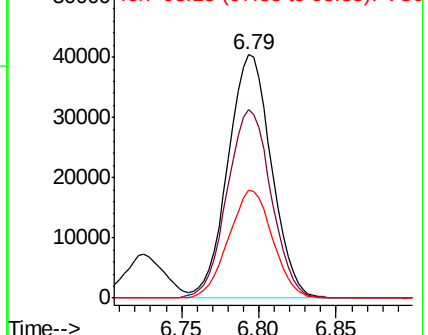
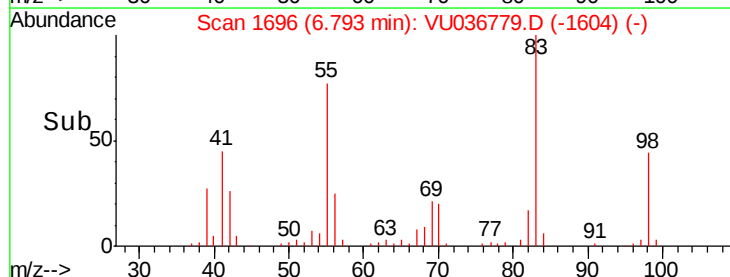
98 44.8 34.2 51.4

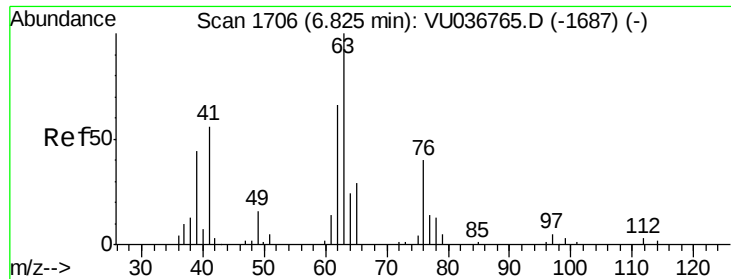


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

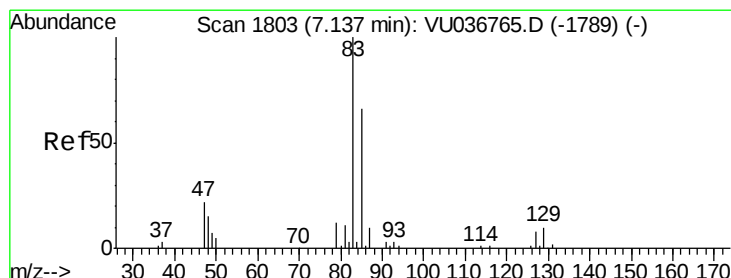
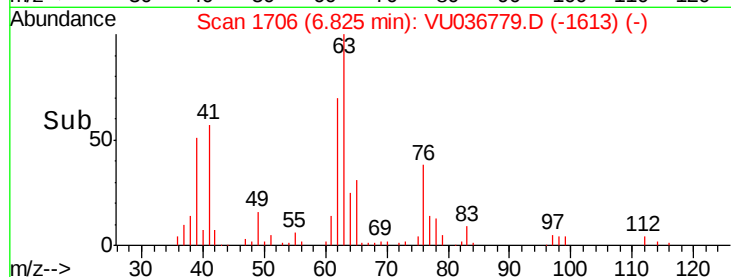
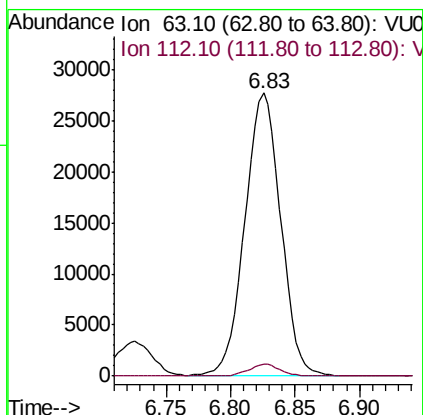
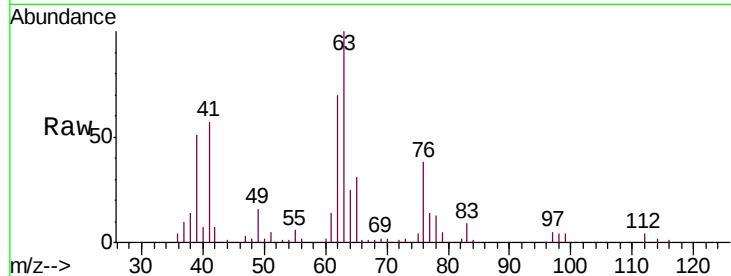




#37
 1,2-Dichloropropane
 Concen: 5.091 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VU036779.D
 Acq: 14 Feb 2020 09:49

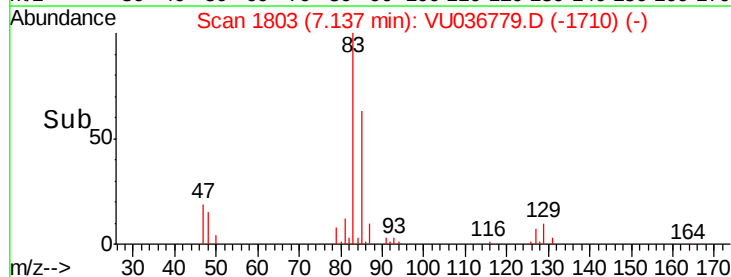
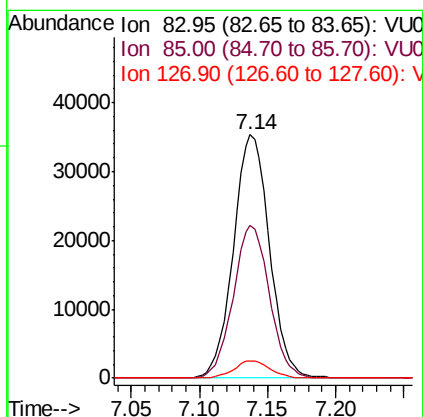
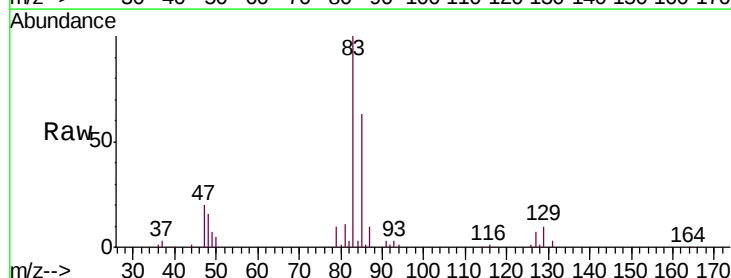
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

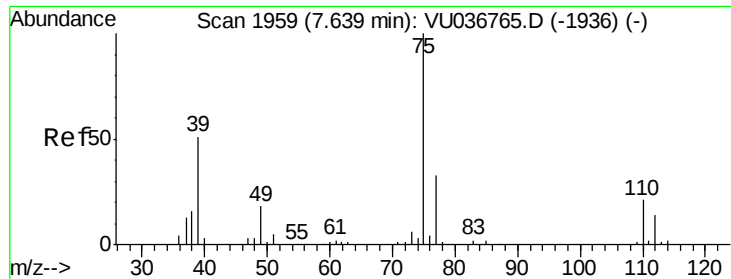
Tgt Ion: 63 Resp: 53815
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.4



#38
 Bromodichloromethane
 Concen: 5.134 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU036779.D
 Acq: 14 Feb 2020 09:49

Tgt Ion: 83 Resp: 64765
 Ion Ratio Lower Upper
 83 100
 85 62.9 43.0 80.0
 127 7.2 6.3 9.5

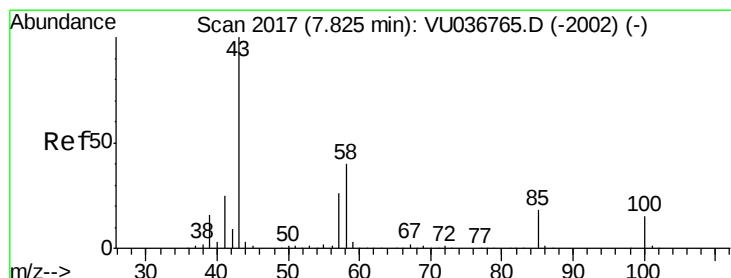
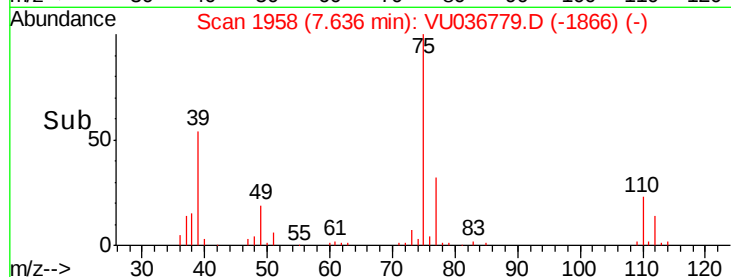
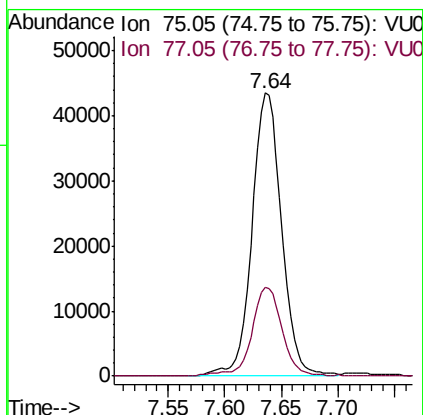
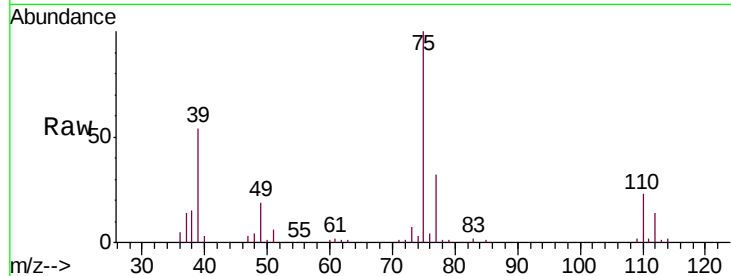




#39
 cis-1,3-Dichloropropene
 Concen: 5.186 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU036779.D
 Acq: 14 Feb 2020 09:49

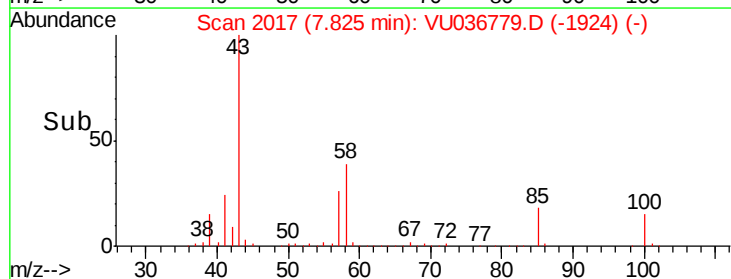
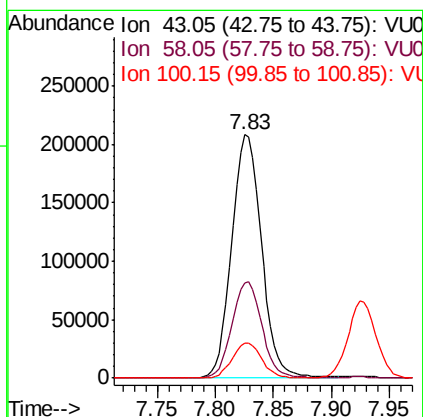
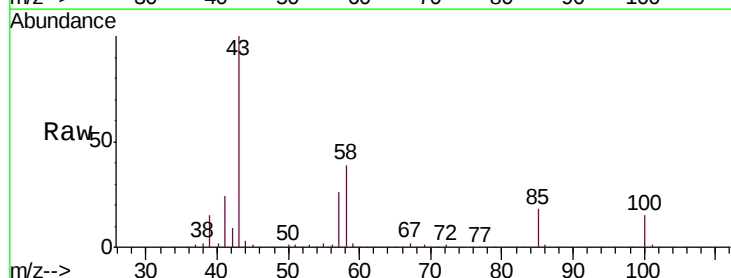
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

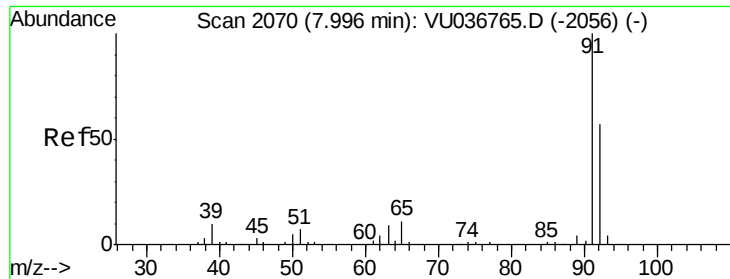
Tgt Ion: 75 Resp: 79319
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 54.447 ug/L
 RT: 7.83 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VU036779.D
 Acq: 14 Feb 2020 09:49

Tgt Ion: 43 Resp: 371398
 Ion Ratio Lower Upper
 43 100
 58 39.5 32.0 48.0
 100 14.4 11.8 17.8





#42

Toluene

Concen: 5.091 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

MSVOA_U

ClientSampleId :

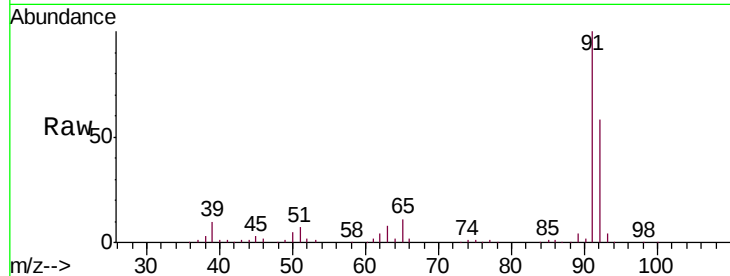
VSTD00518

Tgt Ion: 91 Resp: 211691

Ion Ratio Lower Upper

91 100

92 57.6 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036765.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036765.D (-2056) (-)

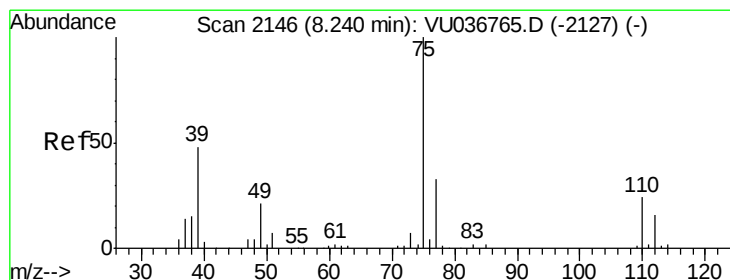
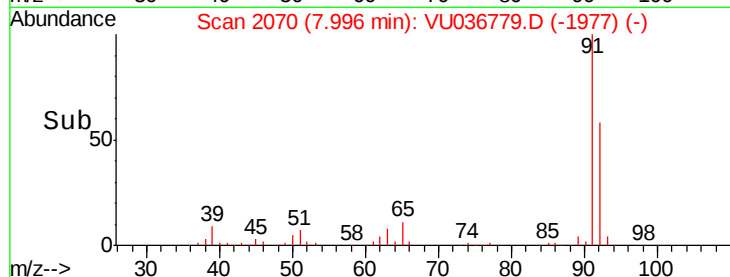
8.00

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.140 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU036779.D

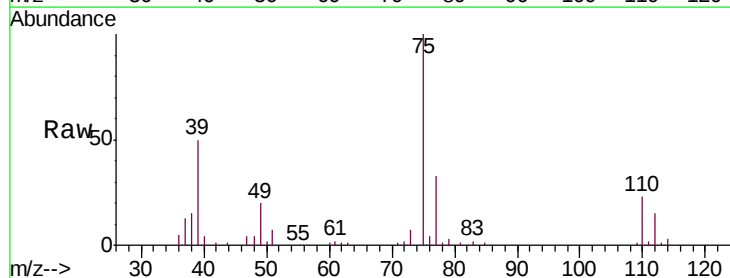
Acq: 14 Feb 2020 09:49

Tgt Ion: 75 Resp: 61437

Ion Ratio Lower Upper

75 100

77 32.6 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036765.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU036765.D (-2127) (-)

8.24

40000

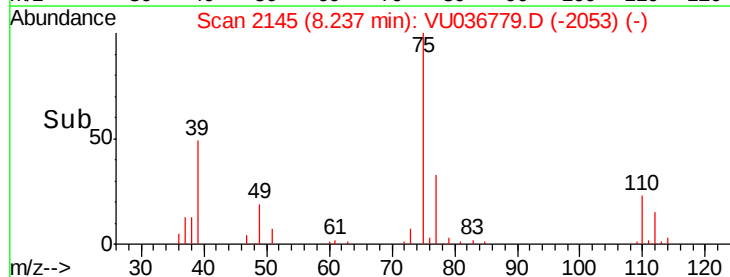
30000

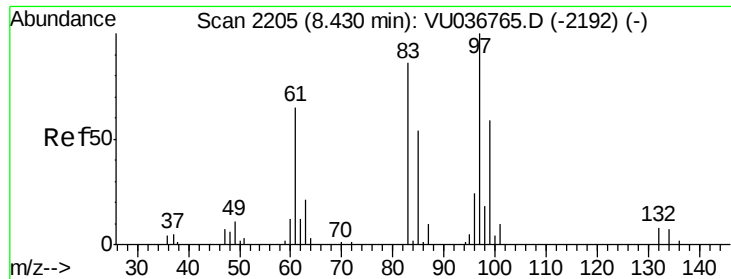
20000

10000

0

Time-->

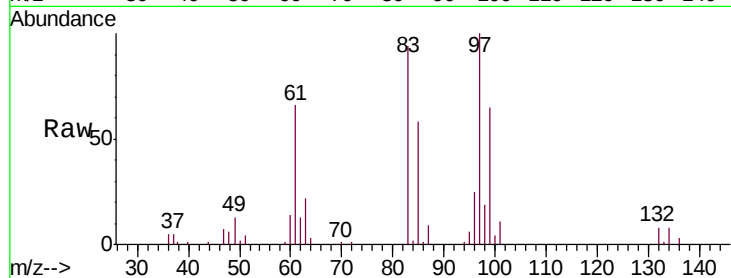




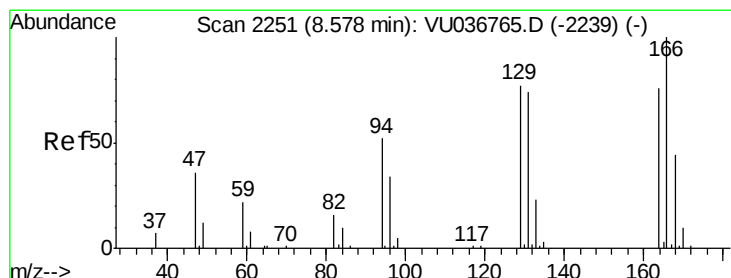
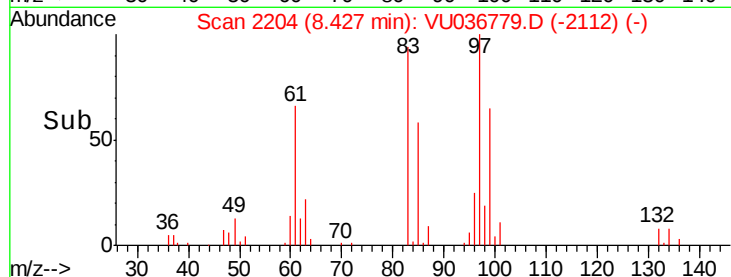
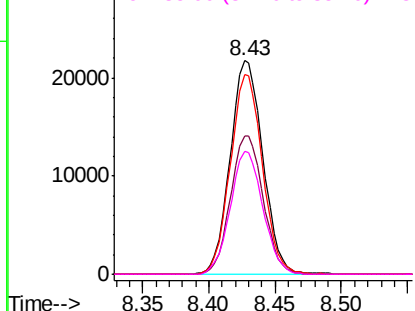
#45
 1,1,2-Trichloroethane
 Concen: 5.077 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU036779.D
 Acq: 14 Feb 2020 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tgt Ion:	97	Resp:	37338
Ion	Ratio	Lower	Upper
97	100		
99	64.7	44.1	81.9
83	93.7	63.5	117.9
85	57.8	41.2	76.4

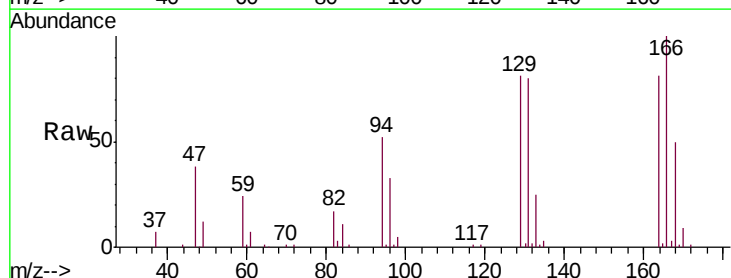


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

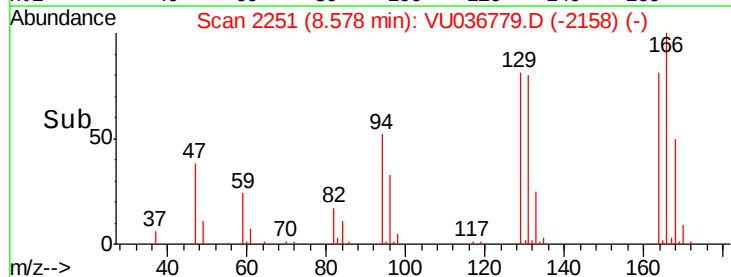
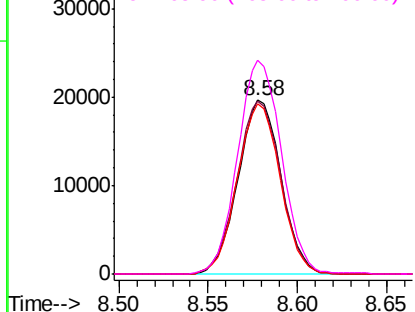


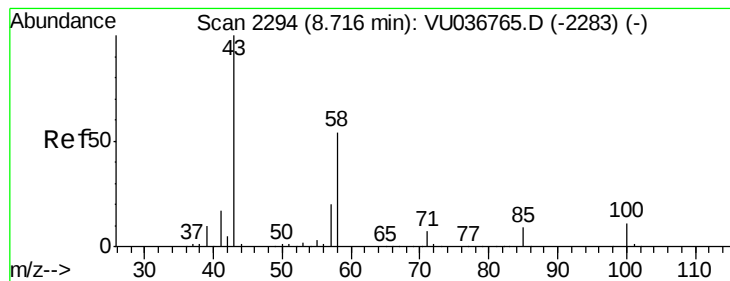
#47
 Tetrachloroethene
 Concen: 4.895 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU036779.D
 Acq: 14 Feb 2020 09:49

Tgt Ion:	164	Resp:	32835
Ion	Ratio	Lower	Upper
164	100		
129	99.5	68.0	126.4
131	98.1	69.4	128.8
166	123.1	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: 54.877 ug/L

RT: 8.72 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

Tgt Ion: 43 Resp: 320340

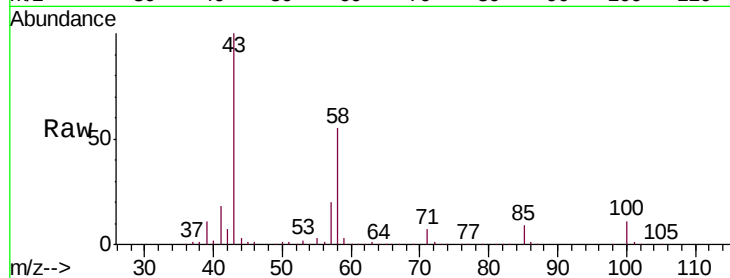
Ion Ratio Lower Upper

43 100

58 55.0 43.6 65.4

57 19.0 15.0 22.4

100 11.4 9.0 13.6

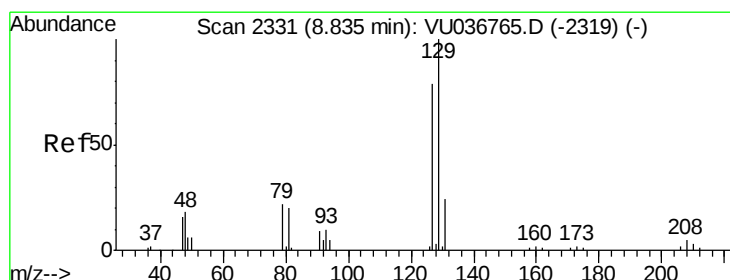
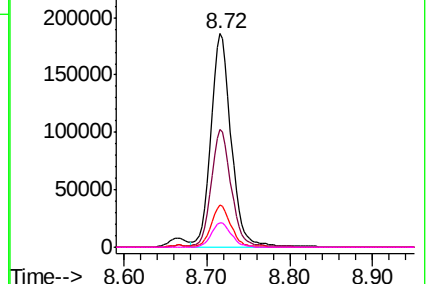
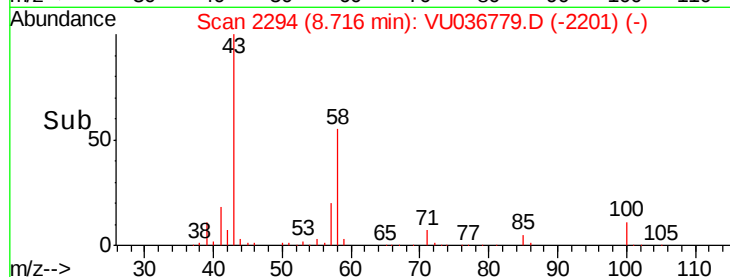


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 5.114 ug/L

RT: 8.84 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU036779.D

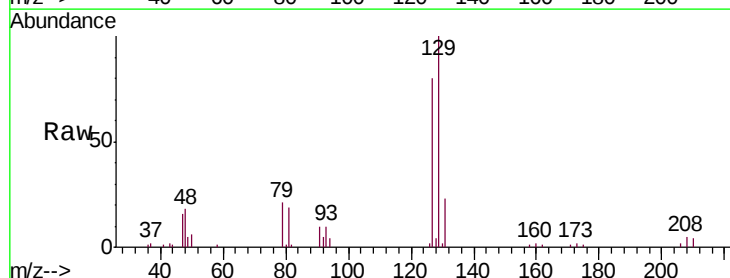
Acq: 14 Feb 2020 09:49

Tgt Ion: 129 Resp: 38890

Ion Ratio Lower Upper

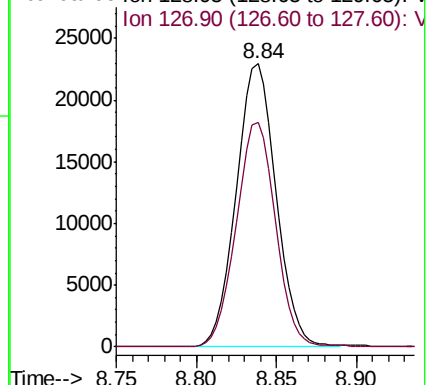
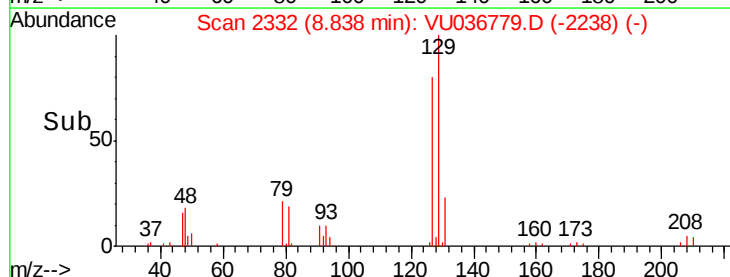
129 100

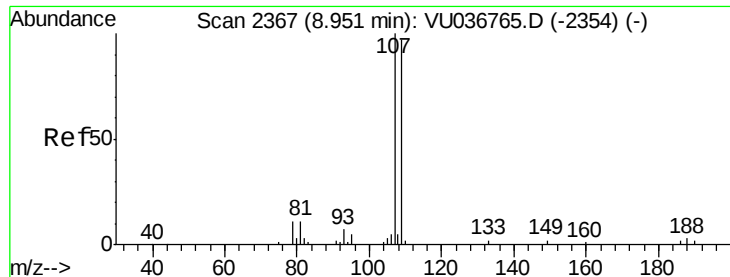
127 79.5 56.7 105.3



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

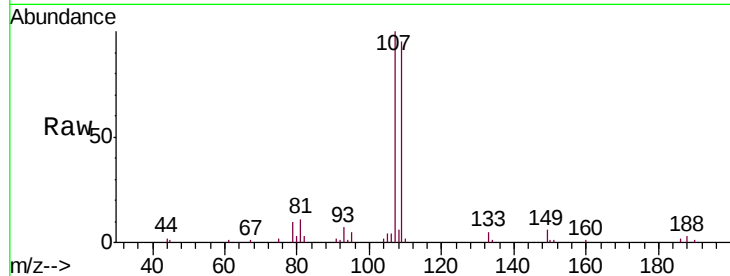




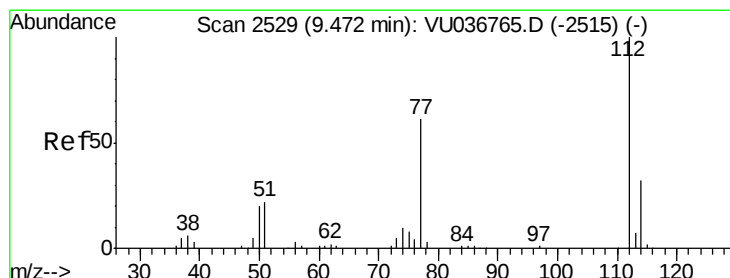
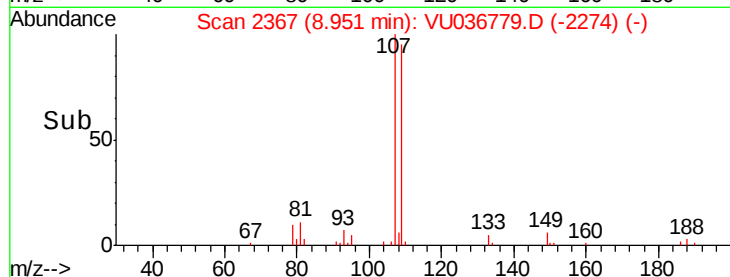
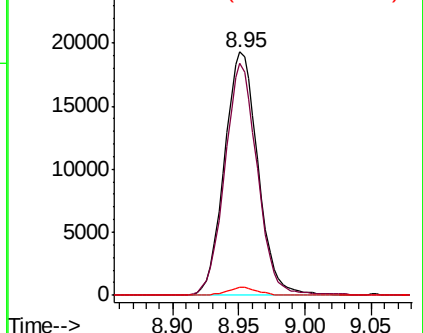
#50
1,2-Dibromoethane
Concen: 5.117 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VU036779.D
Acq: 14 Feb 2020 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tgt Ion:107 Resp: 33985
Ion Ratio Lower Upper
107 100
109 95.2 66.4 123.2
188 3.4 2.4 3.6

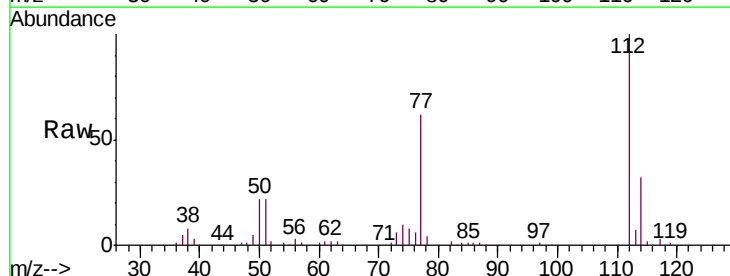


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

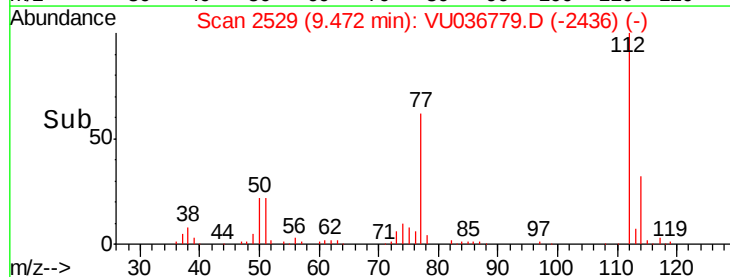
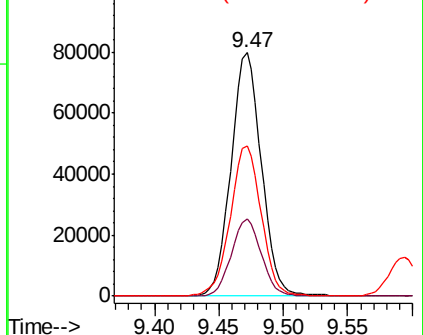


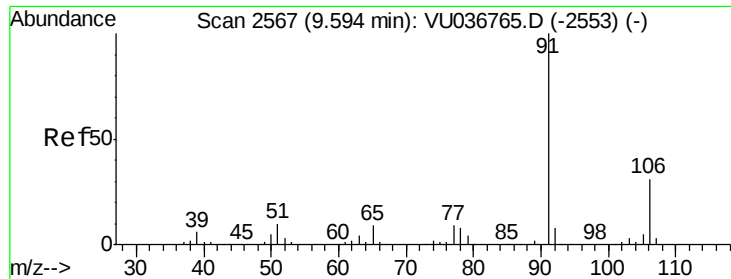
#51
Chlorobenzene
Concen: 5.085 ug/L
RT: 9.47 min Scan# 2529
Delta R.T. 0.00 min
Lab File: VU036779.D
Acq: 14 Feb 2020 09:49

Tgt Ion:112 Resp: 130791
Ion Ratio Lower Upper
112 100
114 31.5 22.9 42.5
77 61.8 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: 5.050 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

MSVOA_U

ClientSampleId :

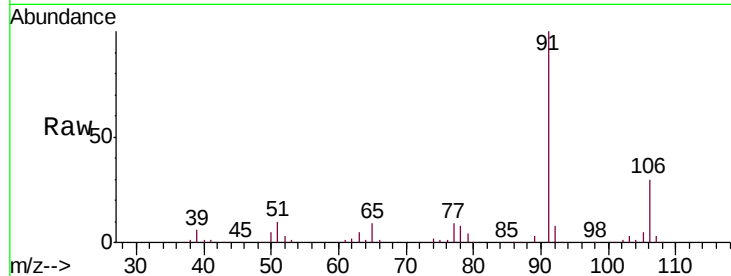
VSTD00518

Tgt Ion: 91 Resp: 234489

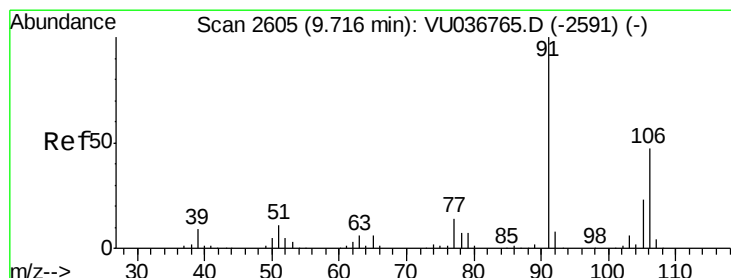
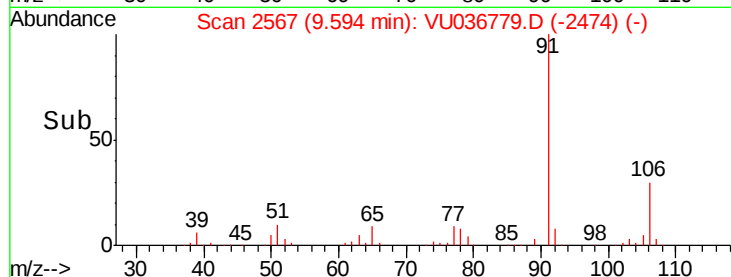
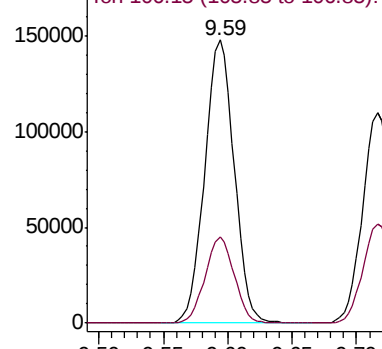
Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036779.D (-2512) (-)



#53

m,p-Xylene

Concen: 4.964 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU036779.D

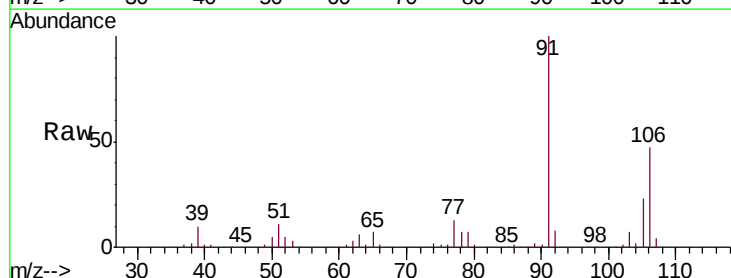
Acq: 14 Feb 2020 09:49

Tgt Ion: 106 Resp: 84841

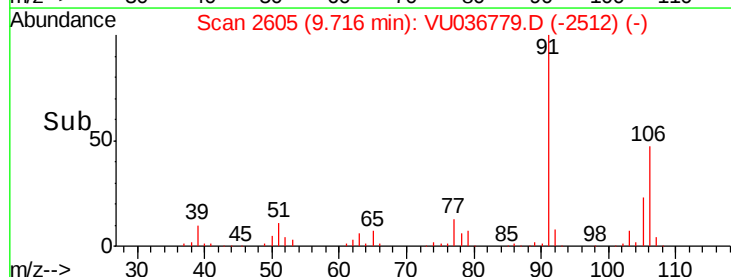
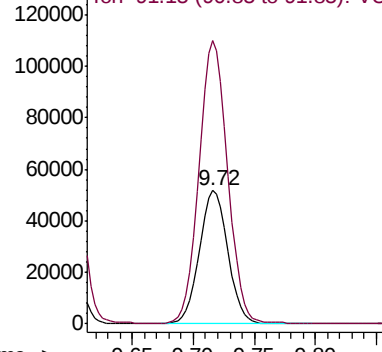
Ion Ratio Lower Upper

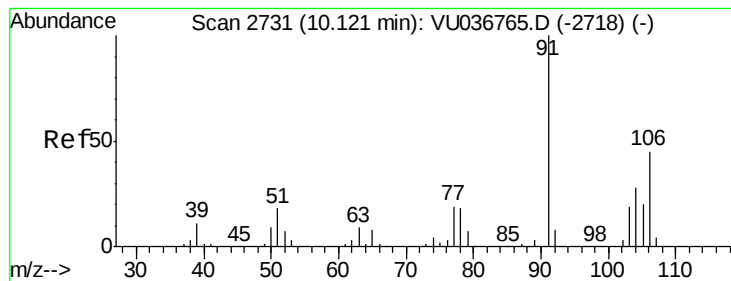
106 100

91 212.1 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036779.D (-2512) (-)





#54

o-Xylene

Concen: 5.135 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

MSVOA_U

ClientSampleId :

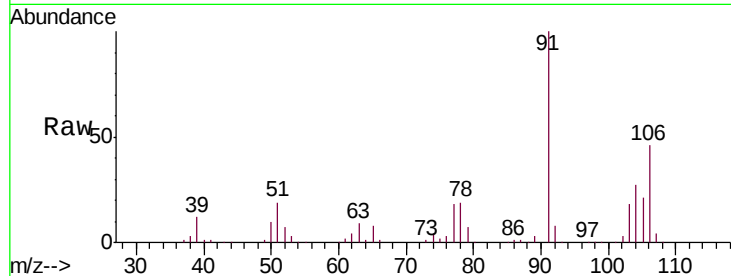
VSTD00518

Tgt Ion:106 Resp: 86184

Ion Ratio Lower Upper

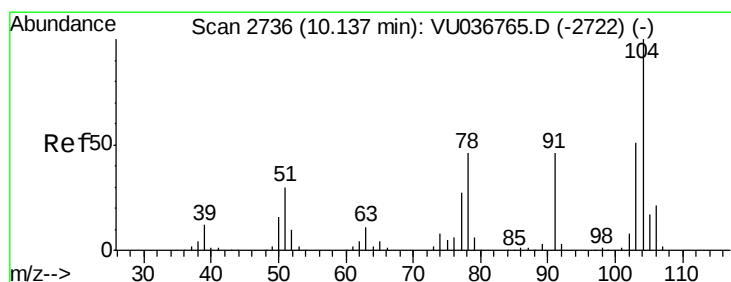
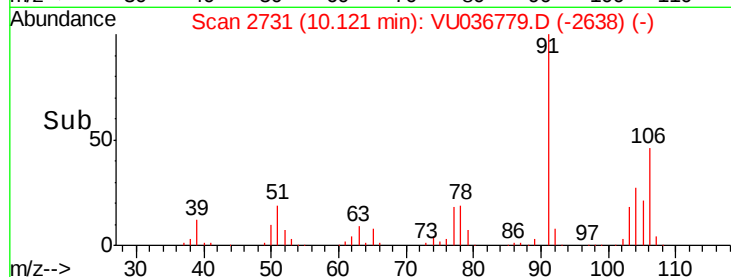
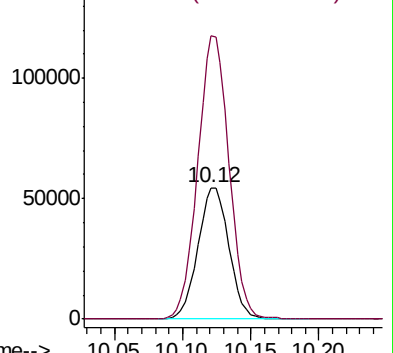
106 100

91 215.4 151.1 280.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.110 ug/L

RT: 10.14 min Scan# 2736

Delta R.T. 0.00 min

Lab File: VU036779.D

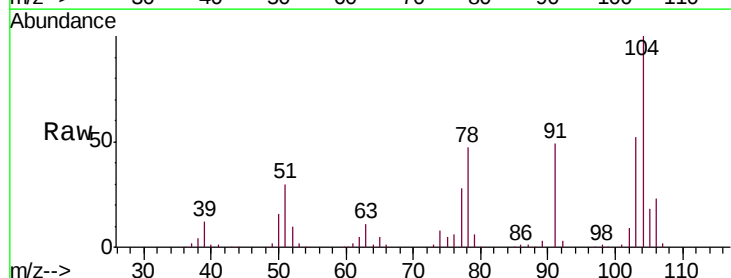
Acq: 14 Feb 2020 09:49

Tgt Ion:104 Resp: 144557

Ion Ratio Lower Upper

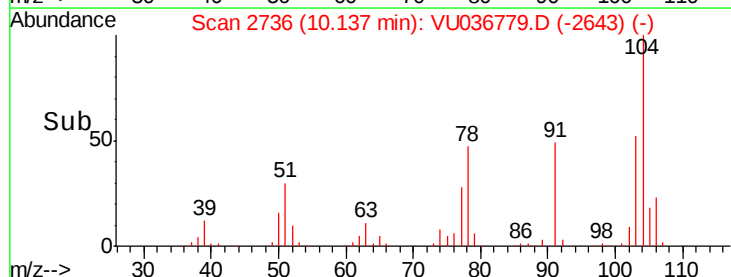
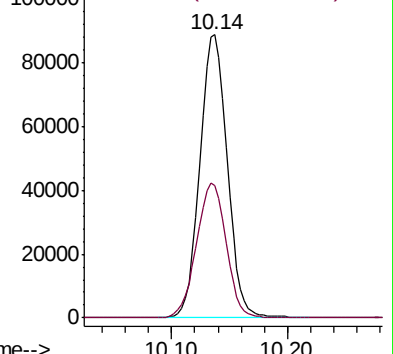
104 100

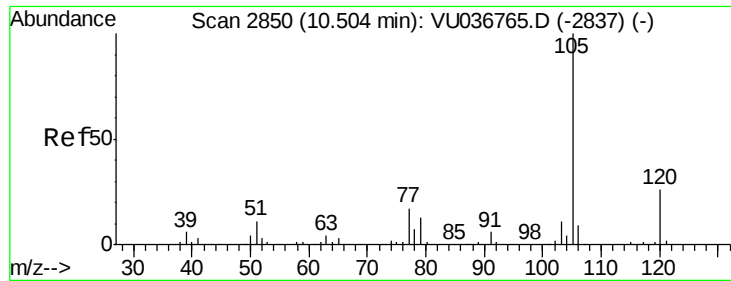
78 46.7 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.119 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

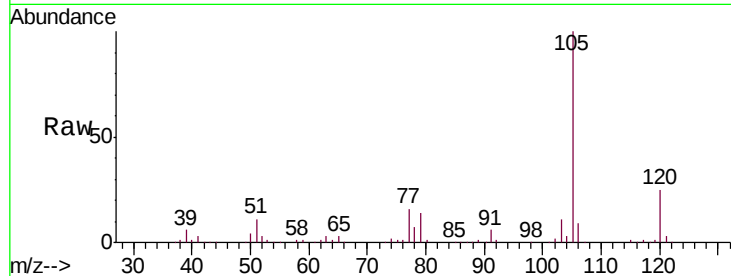
Tgt Ion: 105 Resp: 229918

Ion Ratio Lower Upper

105 100

120 25.3 20.5 30.7

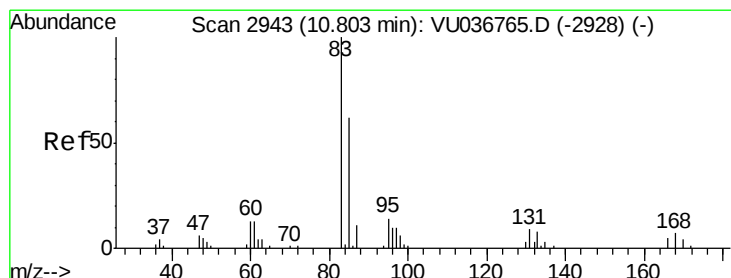
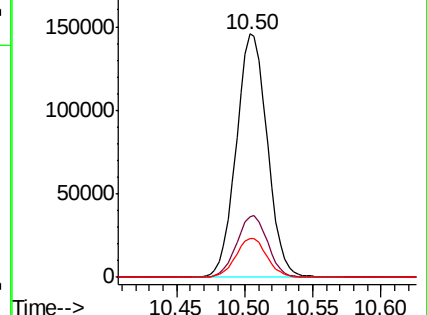
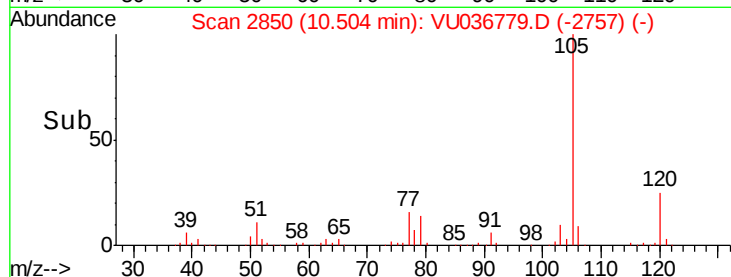
77 16.1 13.0 19.6



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: 5.107 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

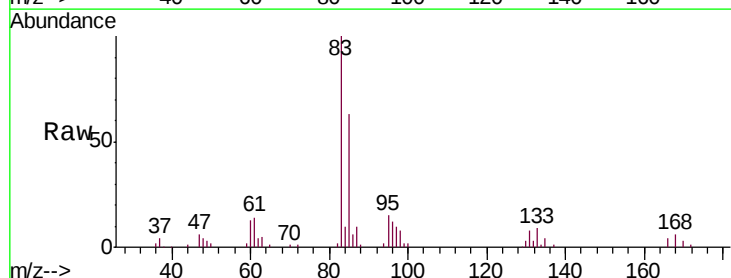
Tgt Ion: 83 Resp: 49160

Ion Ratio Lower Upper

83 100

85 63.1 45.6 84.6

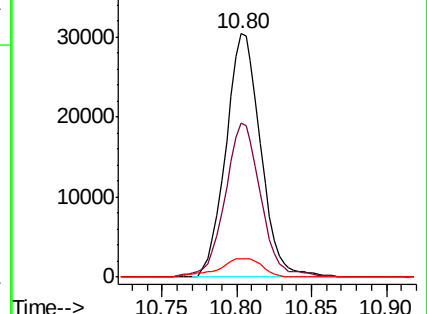
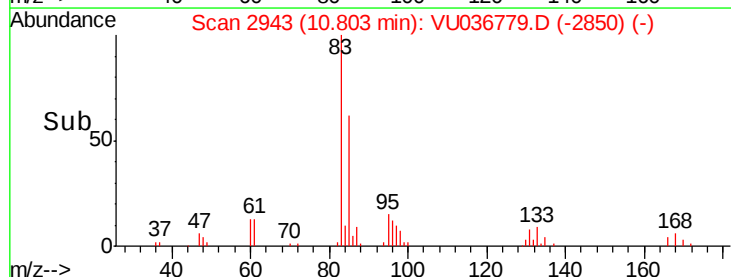
131 7.7 6.8 10.2

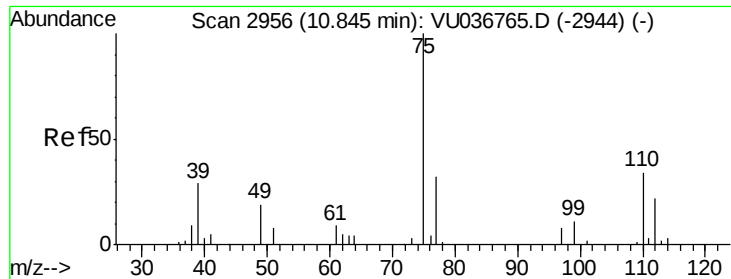


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

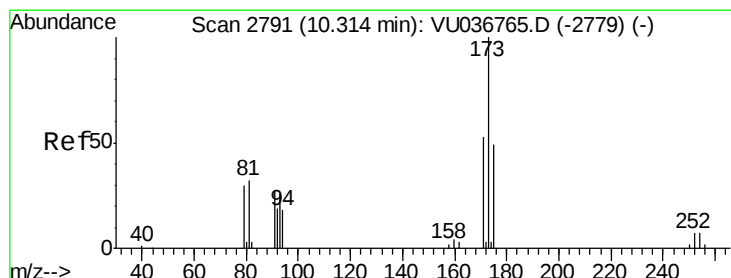
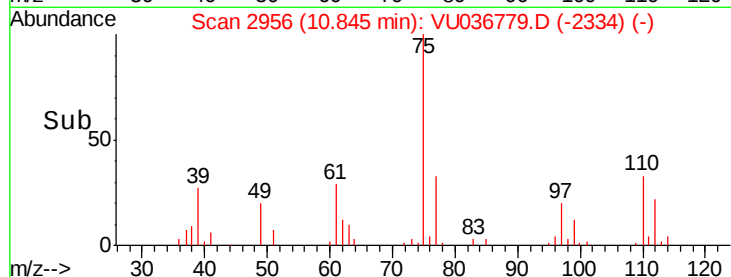
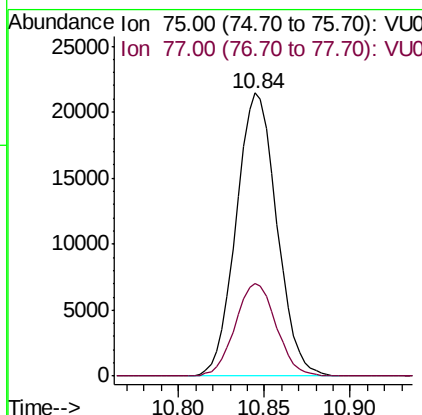
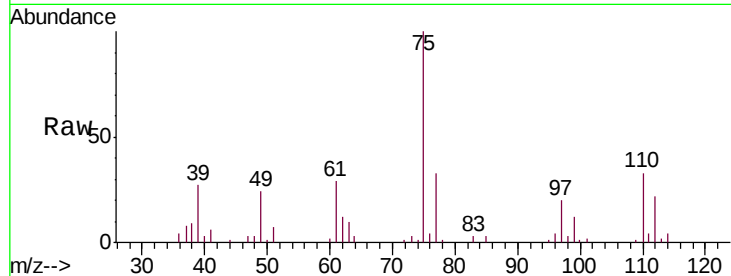




#59
 1,2,3-Trichloropropane
 Concen: 5.035 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.00 min
 Lab File: VU036779.D
 Acq: 14 Feb 2020 09:49

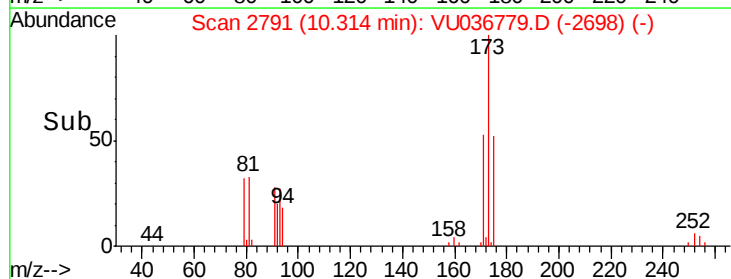
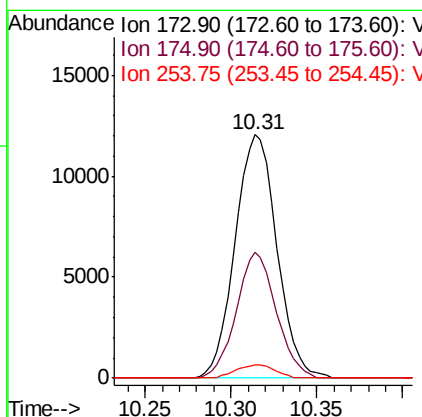
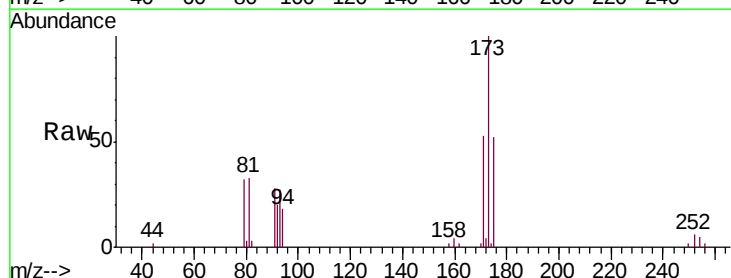
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

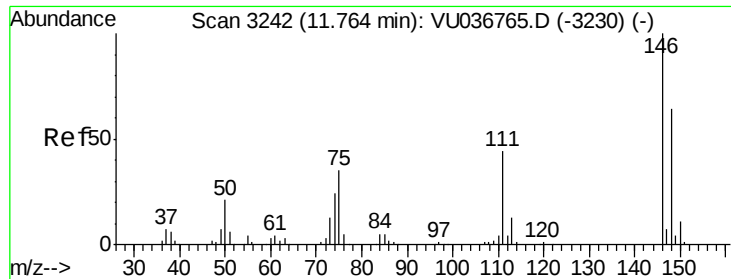
Tgt Ion: 75 Resp: 35138
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.6 38.4



#61
 Bromoform
 Concen: 5.126 ug/L
 RT: 10.31 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VU036779.D
 Acq: 14 Feb 2020 09:49

Tgt Ion: 173 Resp: 20404
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.9 59.9
 254 5.0 4.6 6.8





#62

1,3-Dichlorobenzene

Concen: 4.891 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

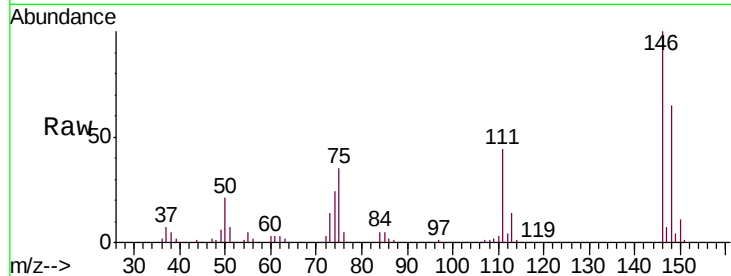
Tgt Ion:146 Resp: 97358

Ion Ratio Lower Upper

146 100

111 44.1 30.0 55.8

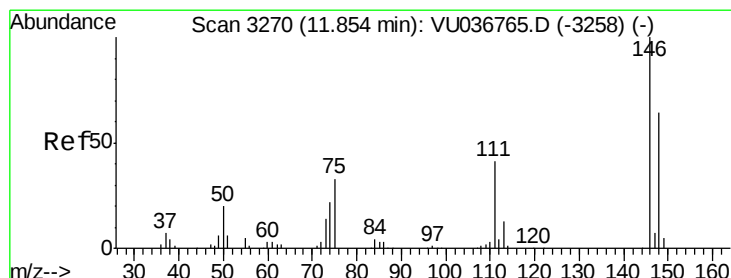
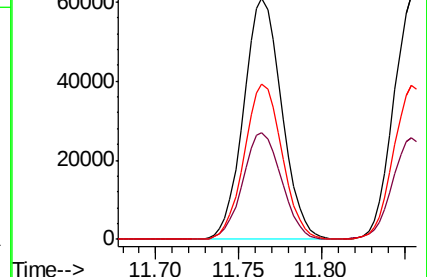
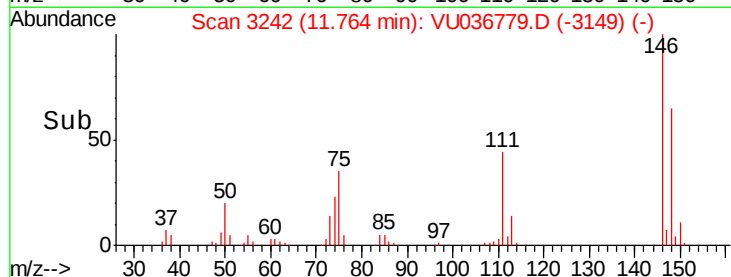
148 64.5 44.5 82.7



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: 4.987 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

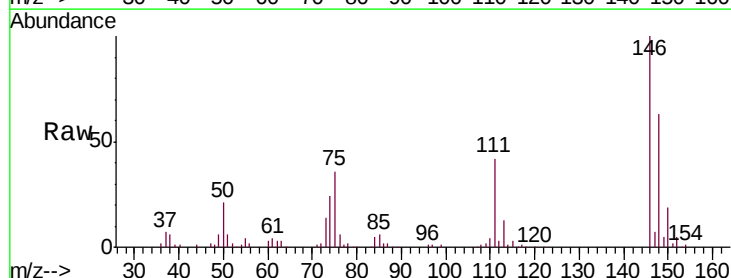
Tgt Ion:146 Resp: 98397

Ion Ratio Lower Upper

146 100

111 41.9 29.2 54.2

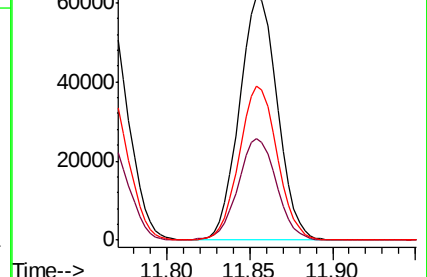
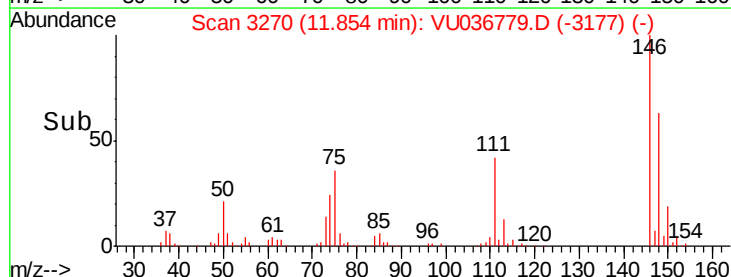
148 63.3 44.3 82.3

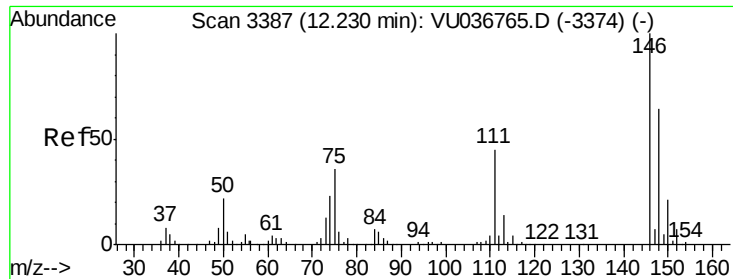


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.934 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

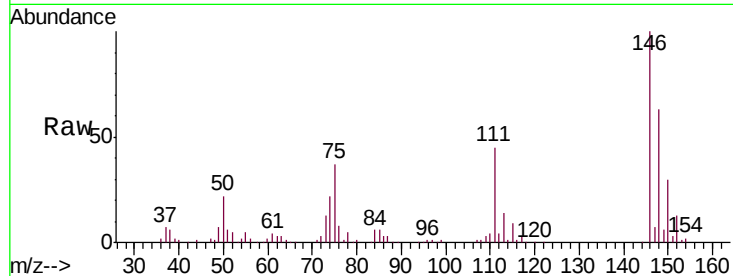
Tgt Ion:146 Resp: 94675

Ion Ratio Lower Upper

146 100

111 44.7 35.9 53.9

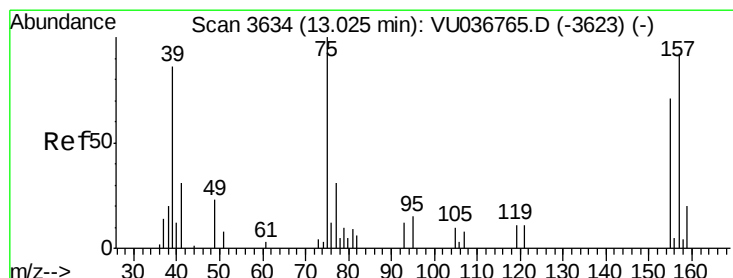
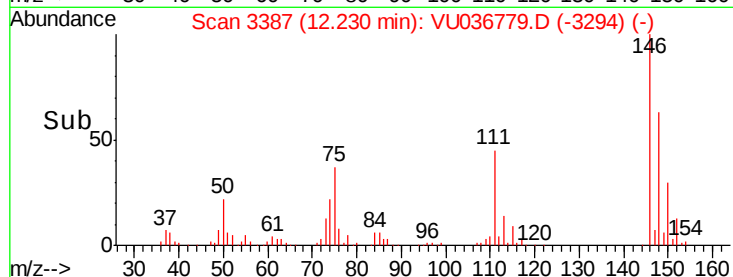
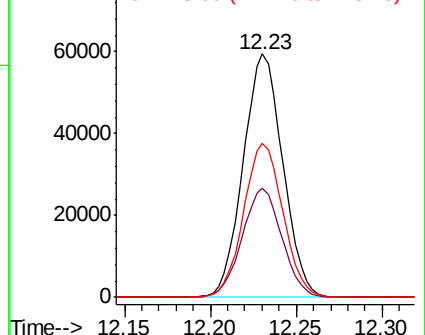
148 63.2 50.4 75.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.184 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

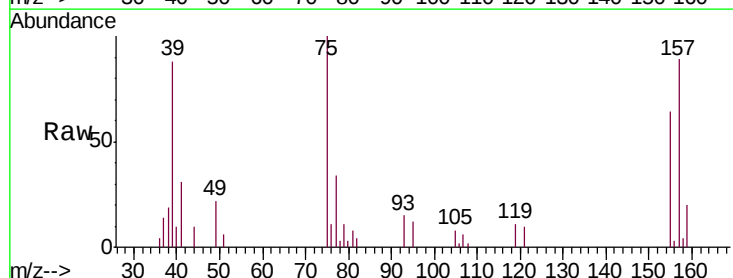
Tgt Ion: 75 Resp: 7424

Ion Ratio Lower Upper

75 100

155 63.8 52.9 79.3

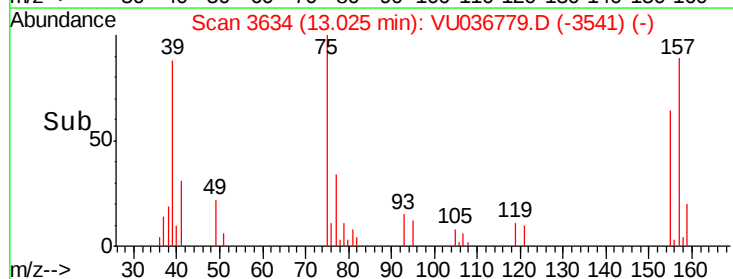
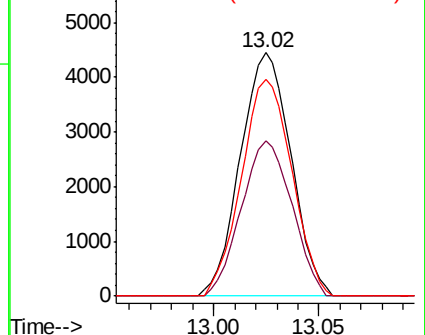
157 89.0 69.2 103.8

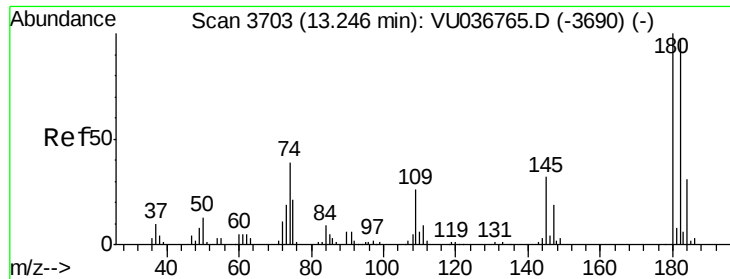


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

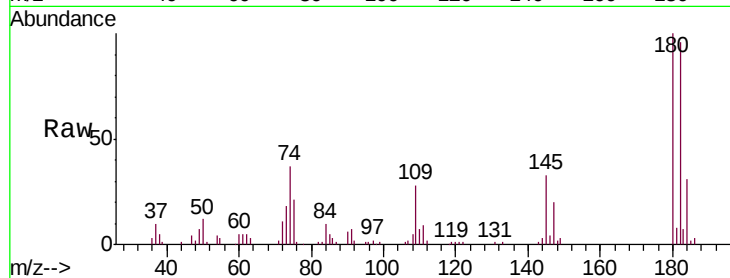




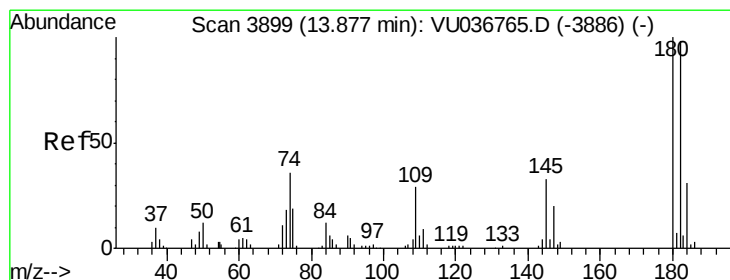
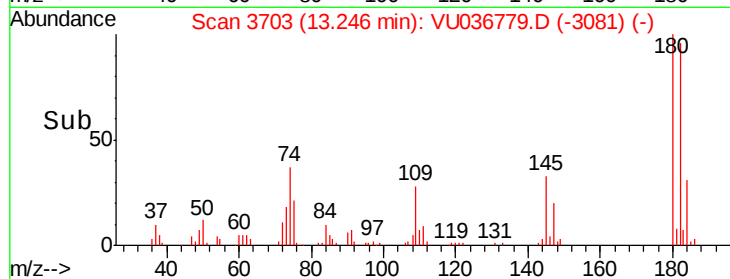
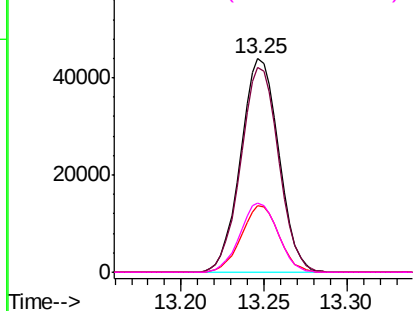
#67
 1,3,5-Trichlorobenzene
 Concen: 5.025 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU036779.D
 Acq: 14 Feb 2020 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tgt Ion:180 Resp: 70411
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.4 114.6
 184 30.5 24.6 37.0
 145 32.2 25.3 37.9

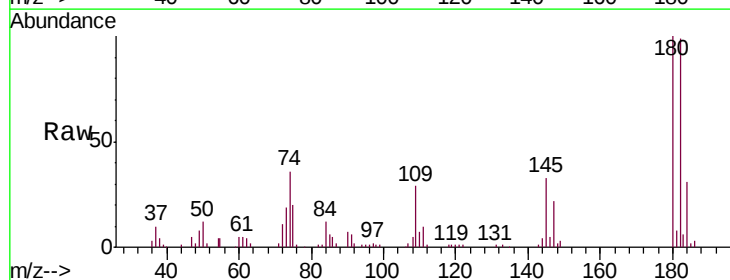


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

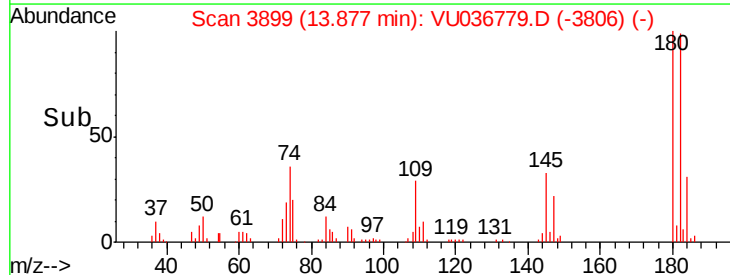
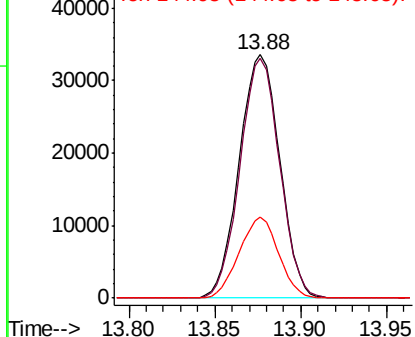


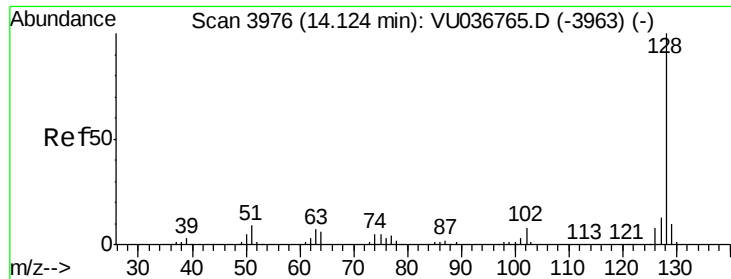
#68
 1,2,4-trichlorobenzene
 Concen: 5.198 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.00 min
 Lab File: VU036779.D
 Acq: 14 Feb 2020 09:49

Tgt Ion:180 Resp: 54925
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.0 115.6
 145 32.2 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: 6.632 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

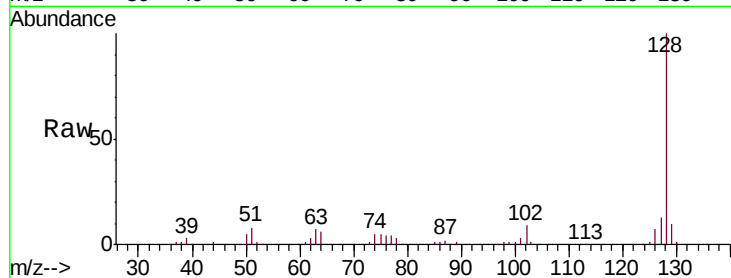
Tgt Ion:128 Resp: 126980

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

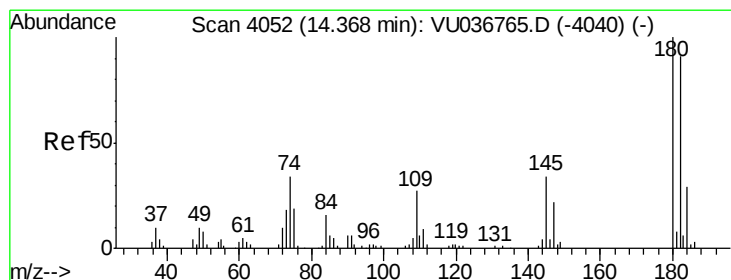
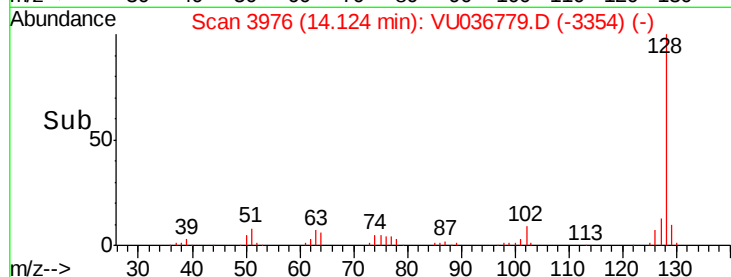
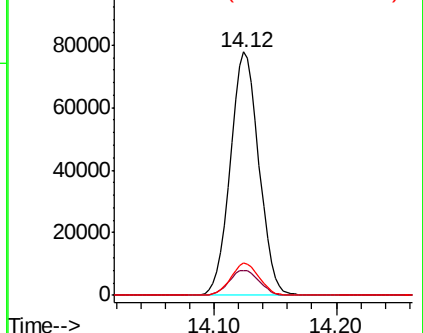
127 13.2 10.8 16.2



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: 5.320 ug/L

RT: 14.37 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VU036779.D

Acq: 14 Feb 2020 09:49

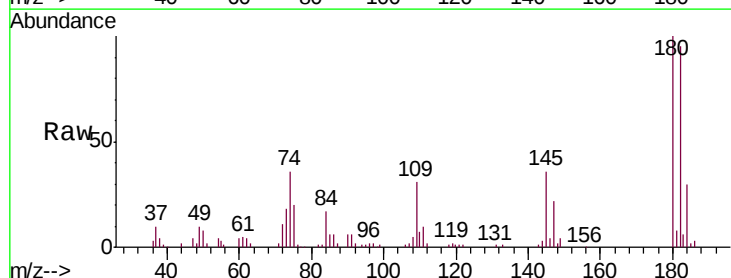
Tgt Ion:180 Resp: 50453

Ion Ratio Lower Upper

180 100

182 94.6 78.2 117.4

145 35.1 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

