

Data File : VU036777.D
Acq On : 13 Feb 2020 17:23
Operator : JC/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Quant Time: Feb 14 00:20:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 14 00:15:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	132881	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	123323	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	57997	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	45817	4.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.20%
7) Chloroethane-d5	1.93	69	42838	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.59	63	85356	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	4.67	46	127920	53.38	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.76%
24) Chloroform-d	5.11	84	85502	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.74	65	47173	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.76	84	178768	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.73	67	58018	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.92	98	166795	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	8.20	79	21042	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.66	63	110333	52.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.46%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	44699	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	55479	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	42578	4.852	ug/L 100
3) Chloromethane	1.54	50	43387	4.750	ug/L 97
5) Vinyl chloride	1.62	62	48470	4.543	ug/L 100
6) Bromomethane	1.87	94	26925	4.200	ug/L 96
8) Chloroethane	1.95	64	30891	4.145	ug/L 96
9) Trichlorofluoromethane	2.16	101	66389	4.730	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	42494	4.741	ug/L 99
12) 1,1-Dichloroethene	2.60	96	39533	4.891	ug/L 93
13) Acetone	2.66	43	109519	35.739	ug/L 100
14) Carbon disulfide	2.82	76	86555	4.438	ug/L 98
15) Methyl Acetate	2.98	43	20775	5.109	ug/L 99
16) Methylene chloride	3.08	84	46240	3.394	ug/L 100
17) Methyl tert-butyl Ether	3.41	73	119336	4.985	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	40947	4.909	ug/L 99
19) 1,1-Dichloroethane	3.91	63	85973	4.915	ug/L 98
21) 2-Butanone	4.75	43	154232	43.267	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	49967	4.950	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	19955	4.973	ug/L	94
25) Chloroform	5.13	83	88334	4.729	ug/L	98
27) 1,2-Dichloroethane	5.83	62	57977	4.869	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	67643	4.994	ug/L	99
30) Cyclohexane	5.43	56	72141	5.014	ug/L	98
31) Carbon tetrachloride	5.56	117	52048	4.763	ug/L	98
33) Benzene	5.81	78	186925	4.914	ug/L	100
34) Trichloroethene	6.57	95	47286	4.881	ug/L	97
35) Methylcyclohexane	6.79	83	75083	4.884	ug/L	96
37) 1,2-Dichloropropane	6.83	63	51076	4.918	ug/L	99
38) Bromodichloromethane	7.14	83	60302	4.865	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	75677	5.036	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	344891	51.459	ug/L	99
42) Toluene	8.00	91	203923	4.992	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	58760	5.003	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	36395	5.037	ug/L	97
47) Tetrachloroethene	8.58	164	32237	4.891	ug/L	97
48) 2-Hexanone	8.71	43	268772	46.860	ug/L	99
49) Dibromochloromethane	8.83	129	38023	5.088	ug/L	96
50) 1,2-Dibromoethane	8.95	107	32141	4.925	ug/L	98
51) Chlorobenzene	9.47	112	126983	5.024	ug/L	99
52) Ethylbenzene	9.59	91	229032	5.020	ug/L	100
53) m,p-Xylene	9.72	106	84522	5.033	ug/L	97
54) o-Xylene	10.12	106	82693	5.015	ug/L	95
55) Styrene	10.13	104	139096	5.004	ug/L	99
56) Isopropylbenzene	10.50	105	227519	5.156	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	47436	5.015	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	33899	4.943	ug/L	100
61) Bromoform	10.31	173	19816	4.959	ug/L	95
62) 1,3-Dichlorobenzene	11.76	146	96197	4.814	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	96056	4.849	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	94168	4.888	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	6997	4.867	ug/L #	84
67) 1,3,5-Trichlorobenzene	13.24	180	70757	5.030	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	59857	5.643	ug/L	98
69) Naphthalene	14.12	128	421400	21.926	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	54696	5.745	ug/L	99

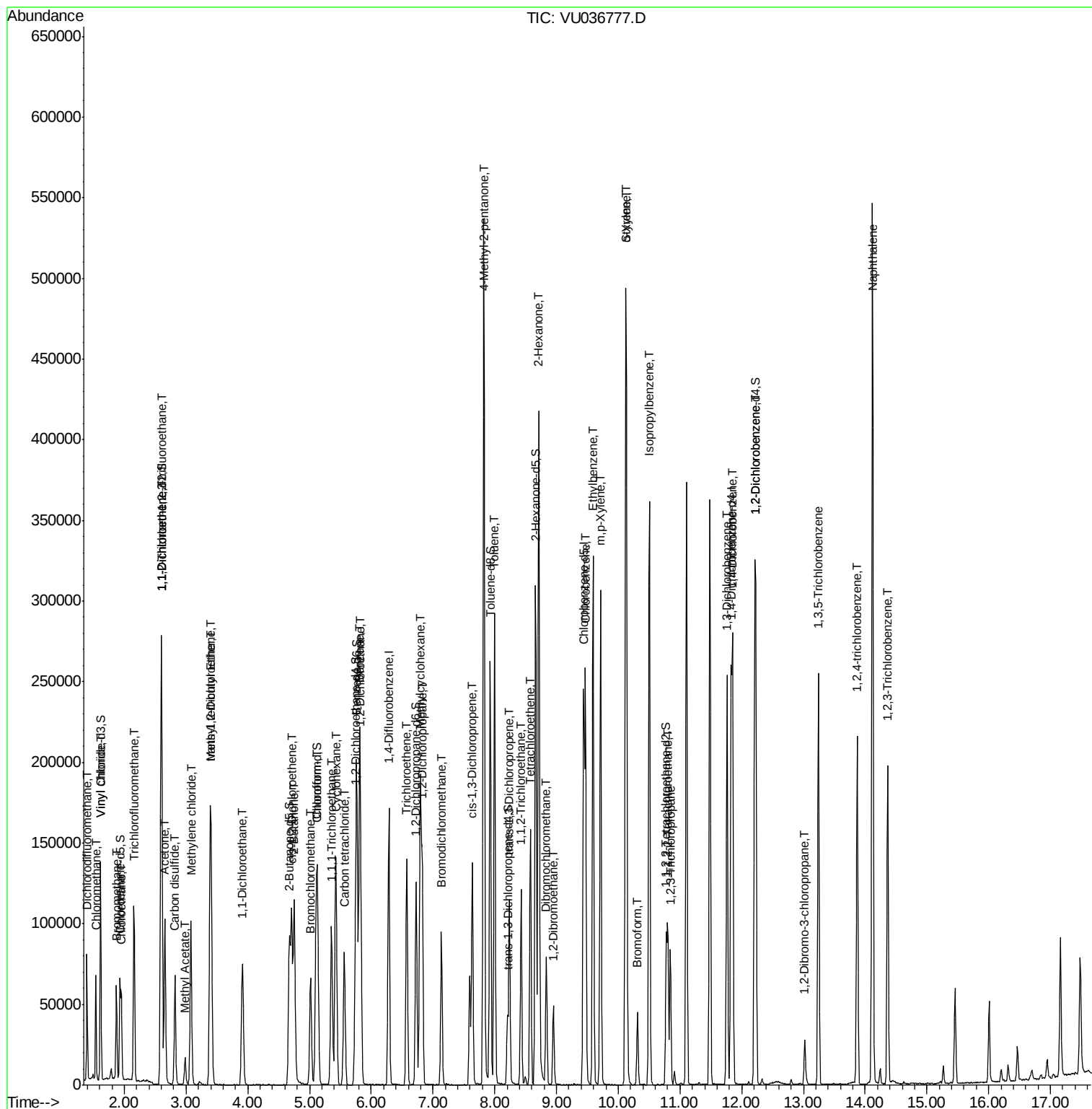
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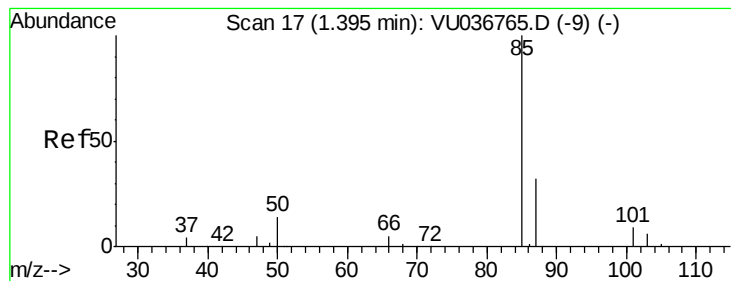
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#2

Dichlorodifluoromethane

Concen: 4.852 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

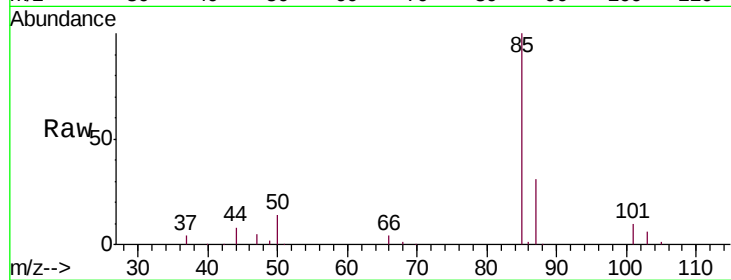
VSTD00517

Tgt Ion: 85 Resp: 42578

Ion Ratio Lower Upper

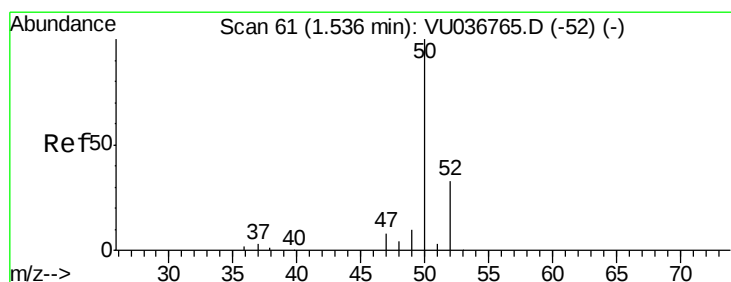
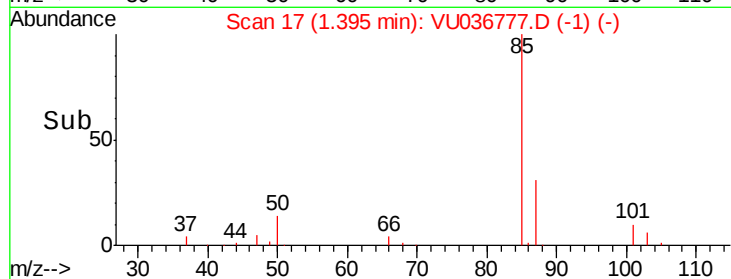
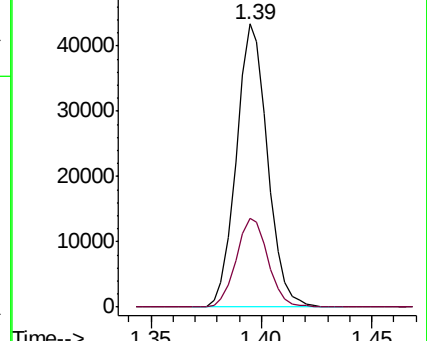
85 100

87 31.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036777.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036777.D (-1) (-)



#3

Chloromethane

Concen: 4.750 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036777.D

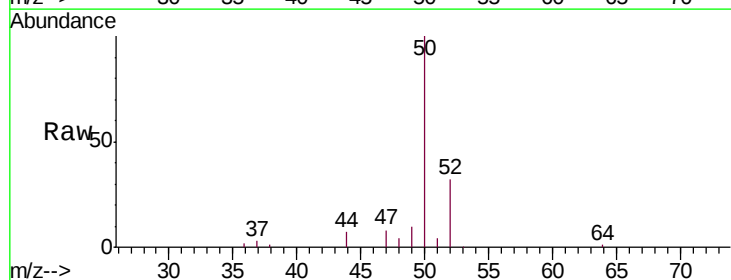
Acq: 13 Feb 2020 17:23

Tgt Ion: 50 Resp: 43387

Ion Ratio Lower Upper

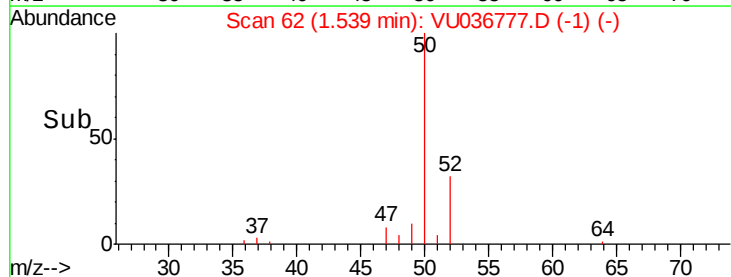
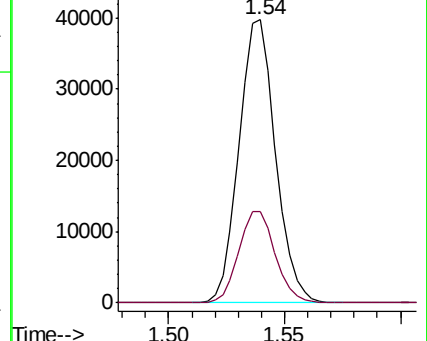
50 100

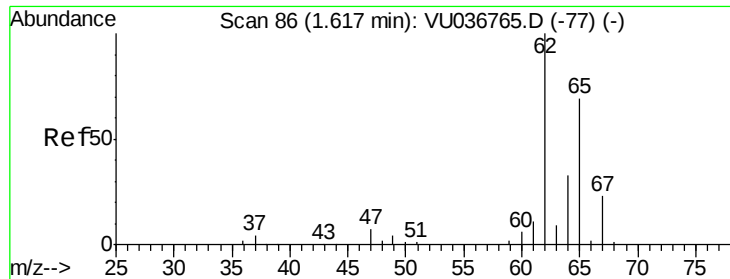
52 32.2 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036777.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU036777.D (-1) (-)





#5

Vinyl chloride

Concen: 4.543 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

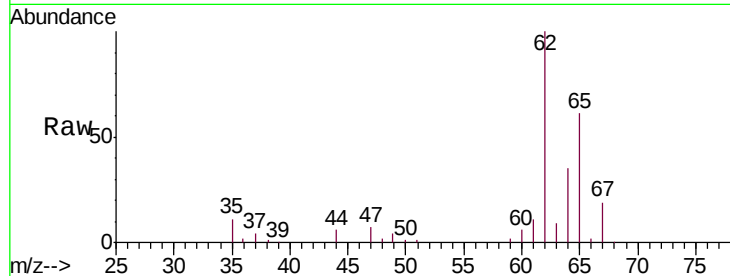
VSTD00517

Tgt Ion: 62 Resp: 48470

Ion Ratio Lower Upper

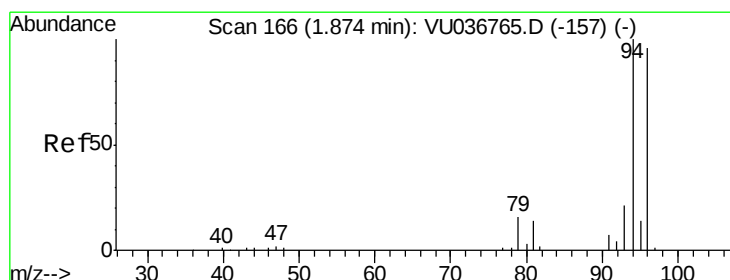
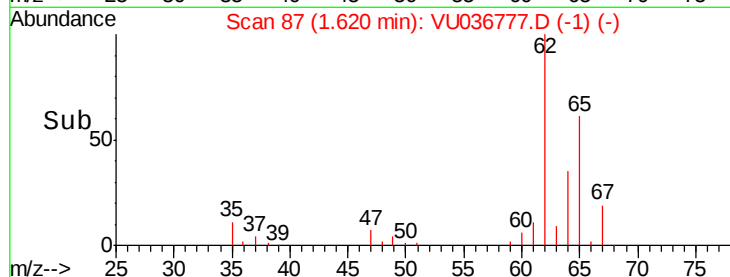
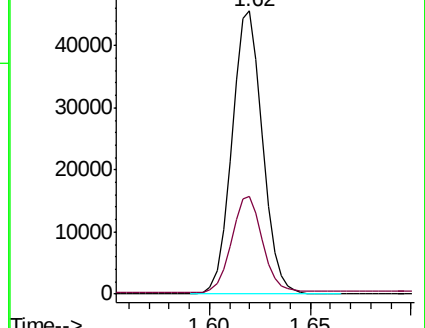
62 100

64 34.7 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU036777.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036777.D (-77) (-)



#6

Bromomethane

Concen: 4.200 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036777.D

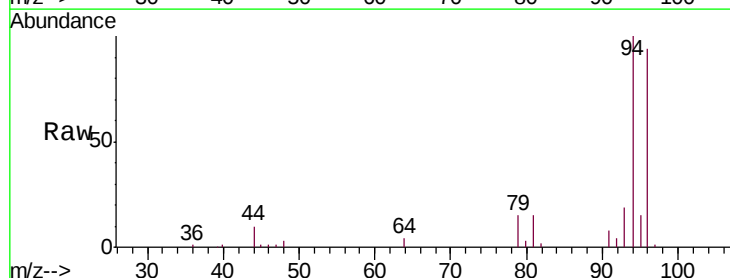
Acq: 13 Feb 2020 17:23

Tgt Ion: 94 Resp: 26925

Ion Ratio Lower Upper

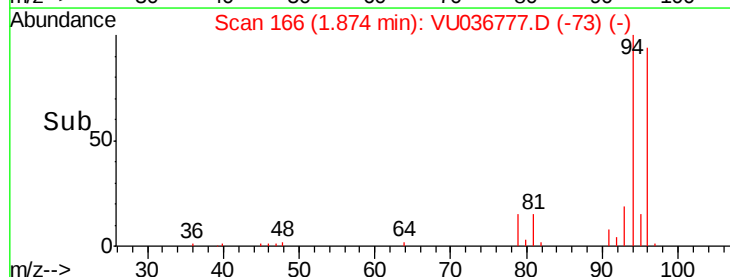
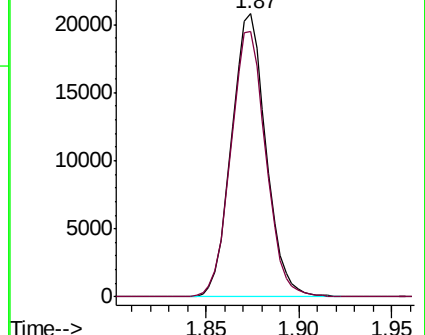
94 100

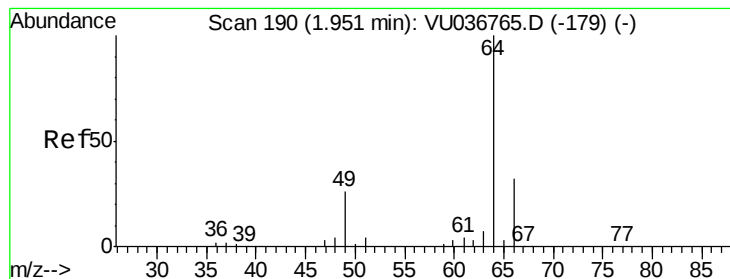
96 94.0 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU036777.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU036777.D (-157) (-)





#8

Chloroethane

Concen: 4.145 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

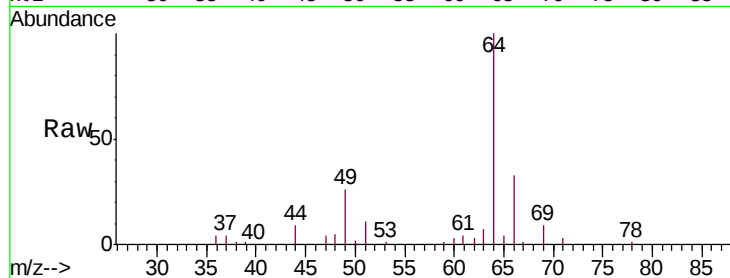
VSTD00517

Tgt Ion: 64 Resp: 30891

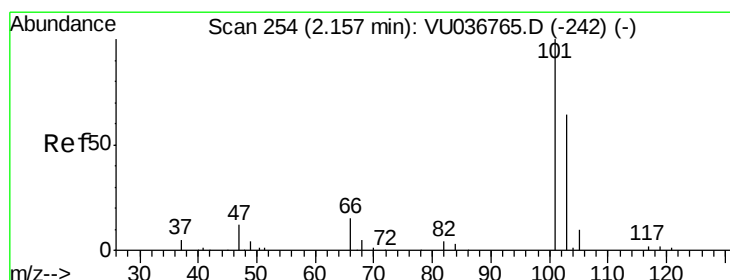
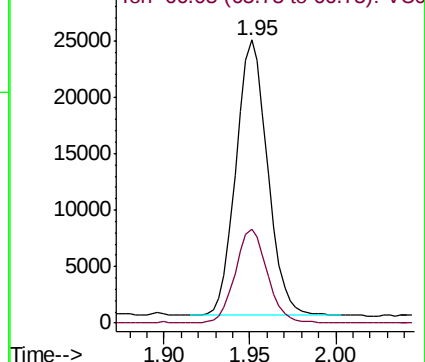
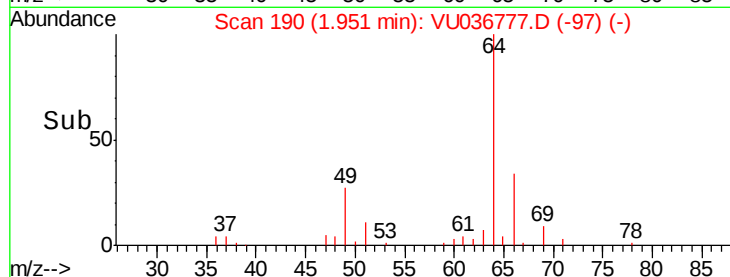
Ion Ratio Lower Upper

64 100

66 33.3 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU036777.D (-97) (-)



#9

Trichlorofluoromethane

Concen: 4.730 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036777.D

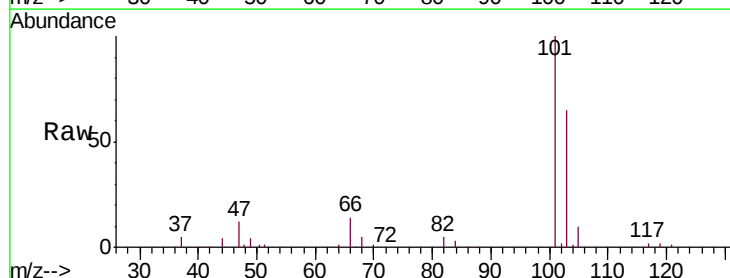
Acq: 13 Feb 2020 17:23

Tgt Ion: 101 Resp: 66389

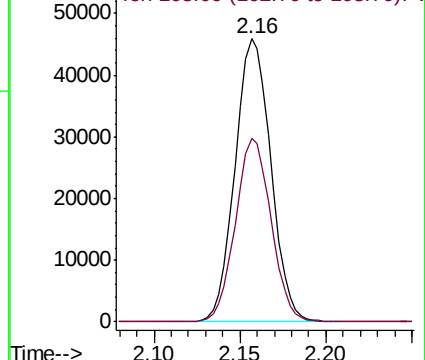
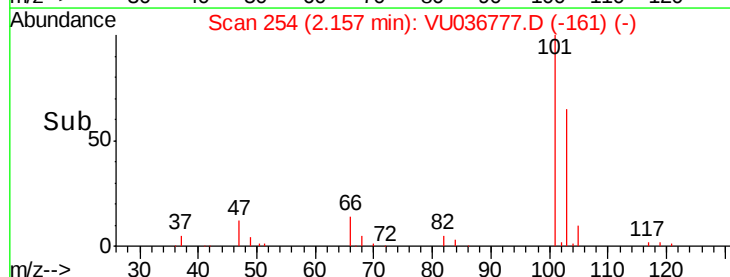
Ion Ratio Lower Upper

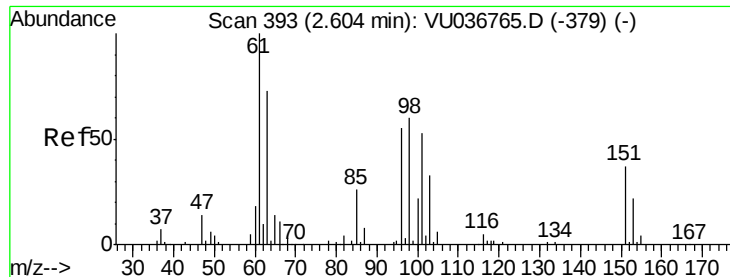
101 100

103 64.4 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU036777.D (-161) (-)





#10

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

Concen: 4.741 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036777.D

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ClientSampleId :

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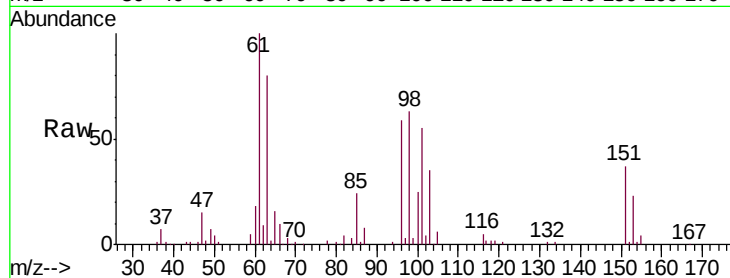
Tgt Ion: 101 Resp: 42494

Ion Ratio Lower Upper

101 100

85 44.2 36.4 54.6

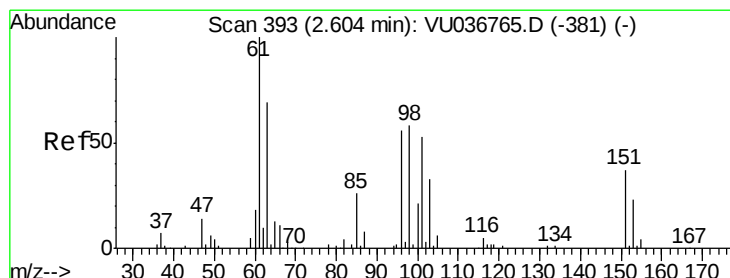
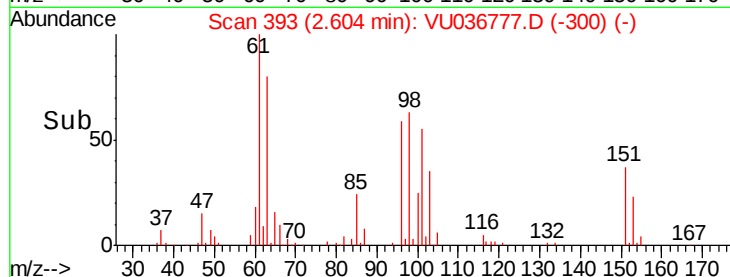
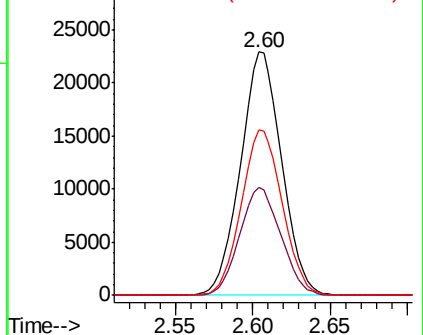
151 67.3 54.0 81.0



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: 4.891 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

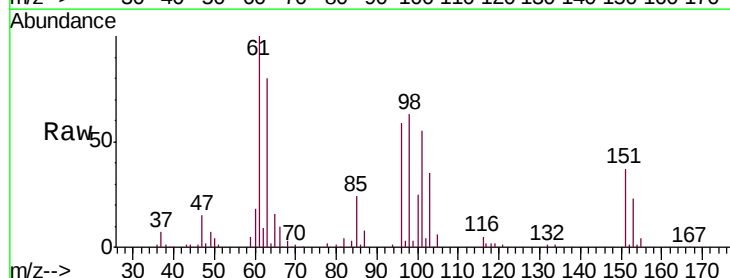
Tgt Ion: 96 Resp: 39533

Ion Ratio Lower Upper

96 100

61 169.1 126.4 234.8

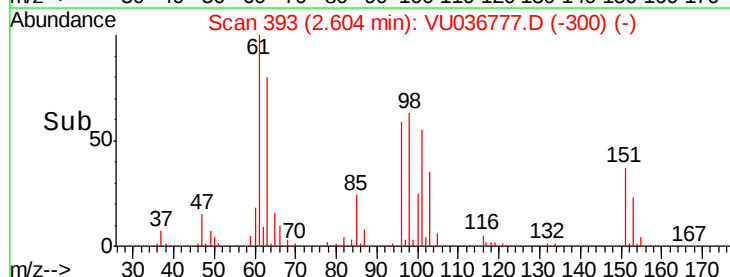
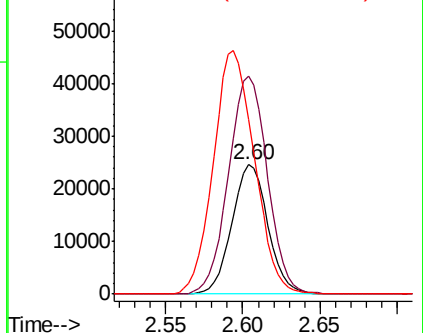
63 134.7 89.5 166.3

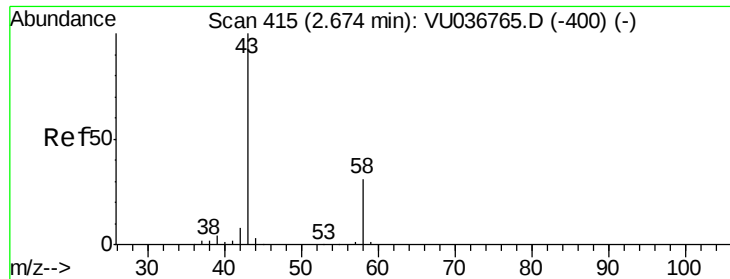


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 35.739 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

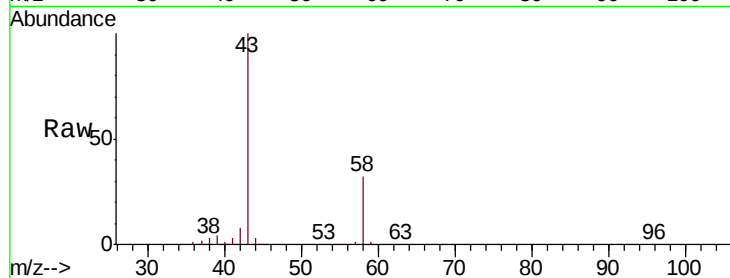
VSTD00517

Tgt Ion: 43 Resp: 109519

Ion Ratio Lower Upper

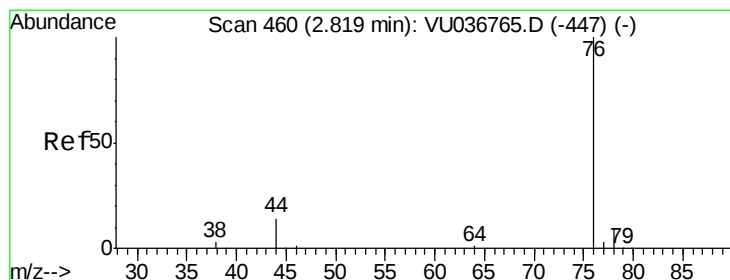
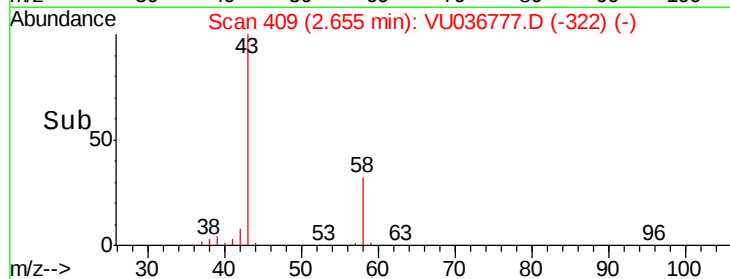
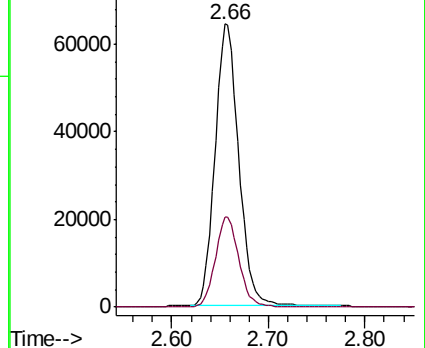
43 100

58 32.0 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036777.D (-322) (-)

Ion 58.05 (57.75 to 58.75): VU036777.D (-322) (-)



#14

Carbon disulfide

Concen: 4.438 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036777.D

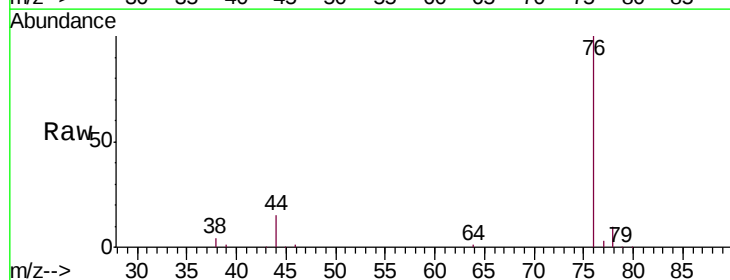
Acq: 13 Feb 2020 17:23

Tgt Ion: 76 Resp: 86555

Ion Ratio Lower Upper

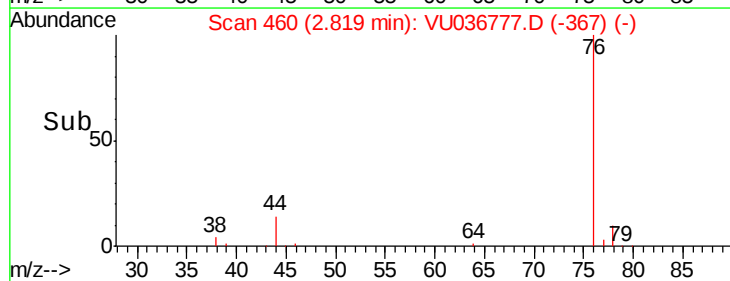
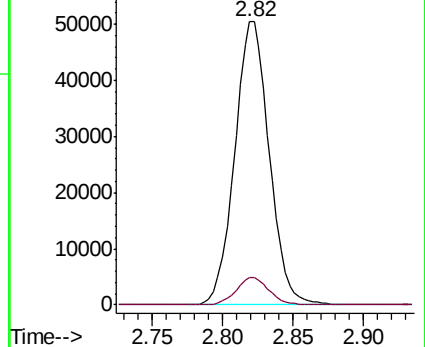
76 100

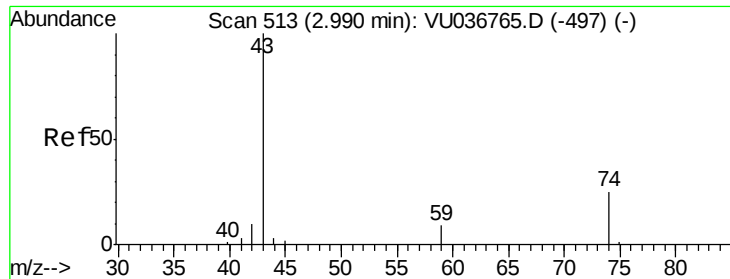
78 9.7 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036777.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036777.D (-367) (-)





#15

Methyl Acetate

Concen: 5.109 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.01 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

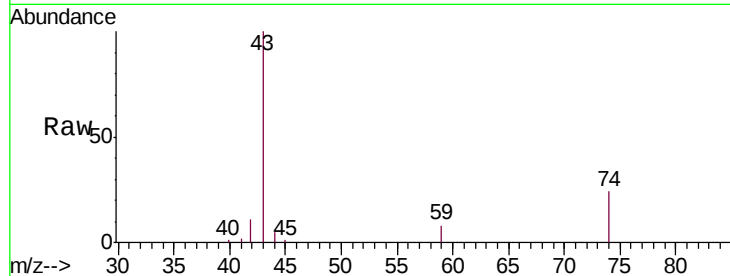
VSTD00517

Tgt Ion: 43 Resp: 20775

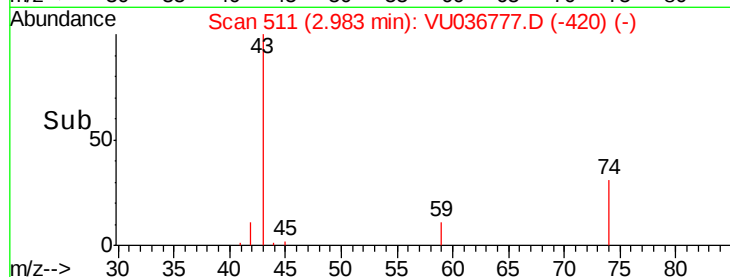
Ion Ratio Lower Upper

43 100

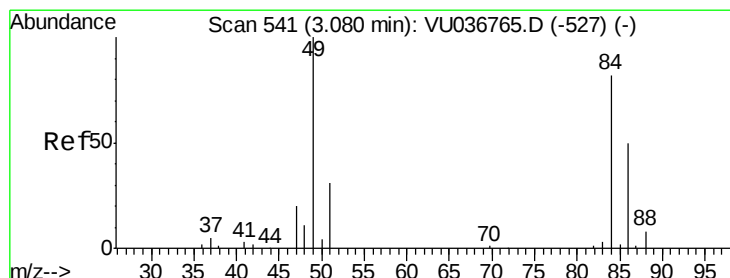
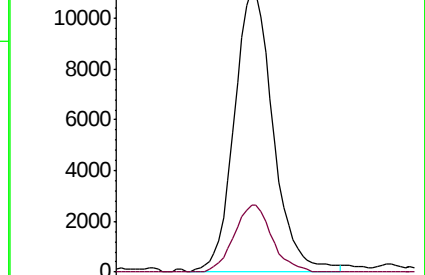
74 23.0 19.0 28.4



Abundance Ion 43.05 (42.75 to 43.75): VU036777.D (-420) (-)



Ion 74.05 (73.75 to 74.75): VU036777.D (-420) (-)



#16

Methylene chloride

Concen: 3.394 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

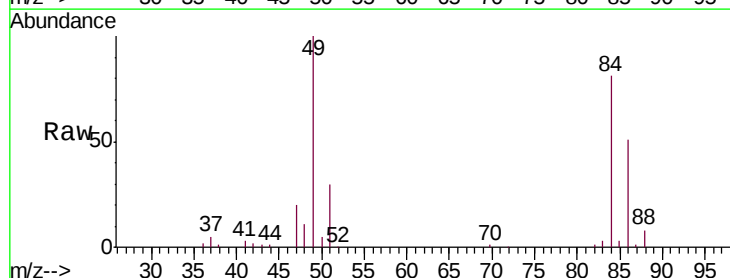
Tgt Ion: 84 Resp: 46240

Ion Ratio Lower Upper

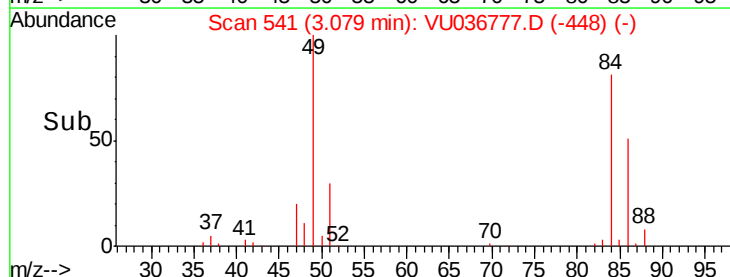
84 100

86 63.8 44.7 82.9

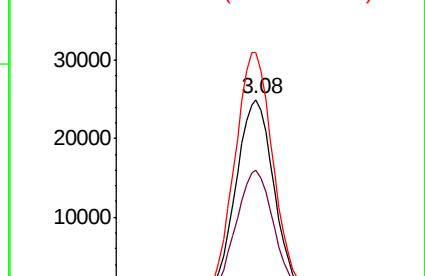
49 124.0 86.7 160.9

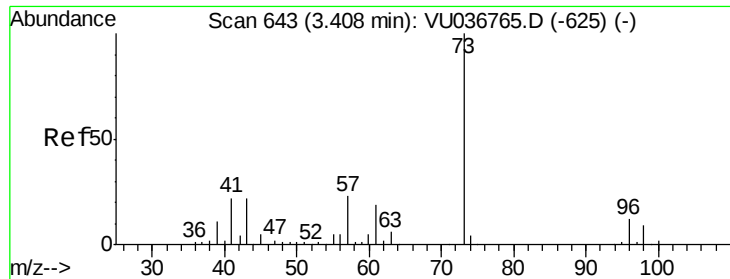


Abundance Ion 84.05 (83.75 to 84.75): VU036777.D (-448) (-)



Ion 86.00 (85.70 to 86.70): VU036777.D (-448) (-)

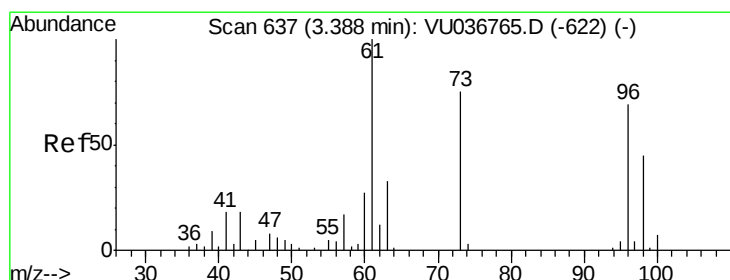
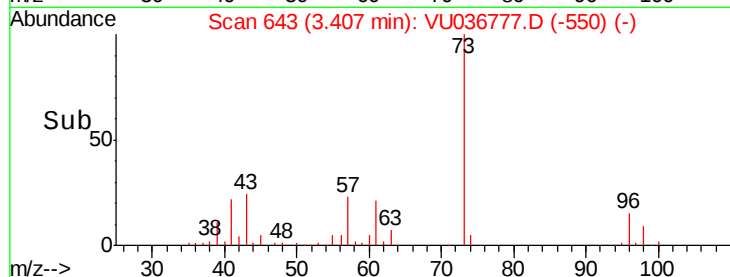
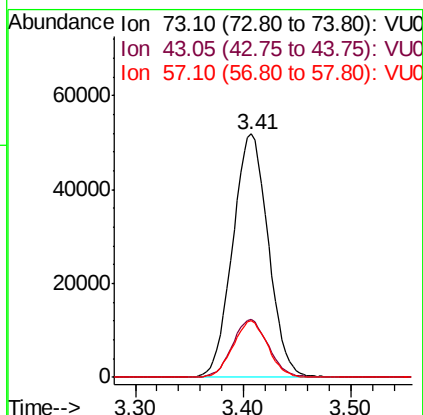
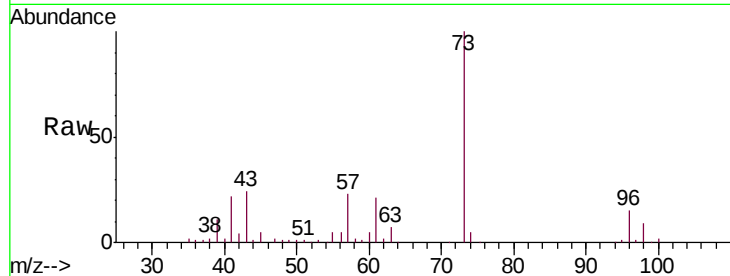




#17
Methyl tert-butyl Ether
Concen: 4.985 ug/L
RT: 3.41 min Scan# 643
Delta R.T. -0.00 min
Lab File: VU036777.D
Acq: 13 Feb 2020 17:23

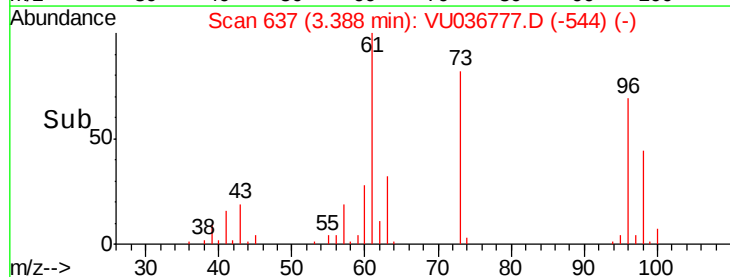
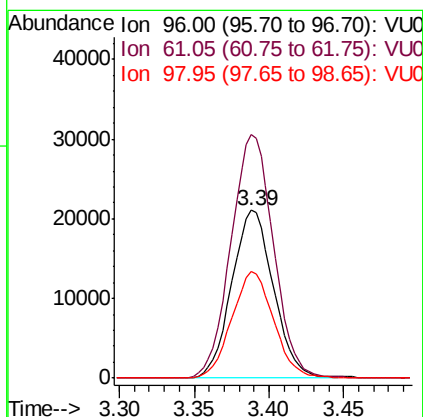
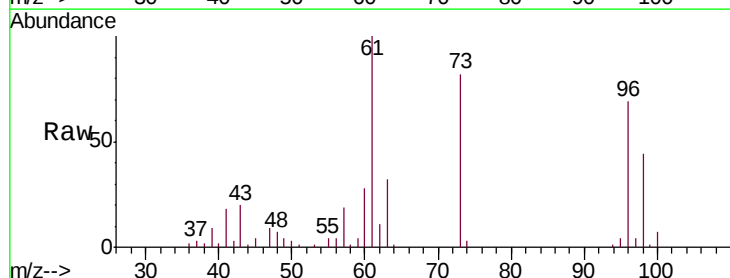
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

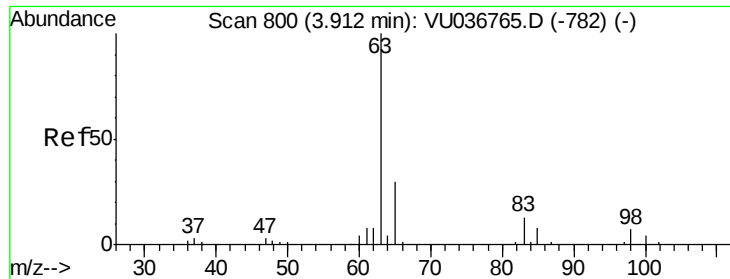
Tgt Ion: 73 Resp: 119336
Ion Ratio Lower Upper
73 100
43 23.9 18.7 28.1
57 22.6 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.909 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU036777.D
Acq: 13 Feb 2020 17:23

Tgt Ion: 96 Resp: 40947
Ion Ratio Lower Upper
96 100
61 145.0 102.6 190.5
98 63.4 44.5 82.7

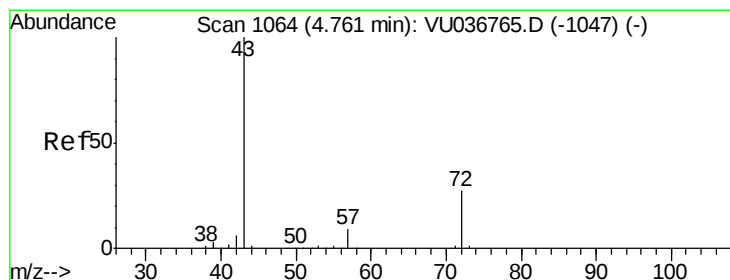
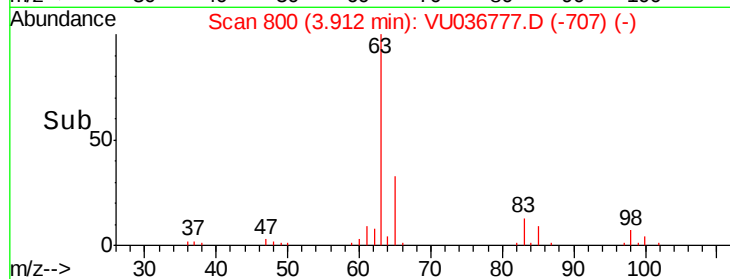
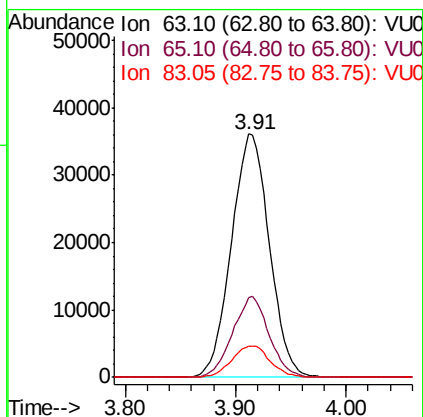
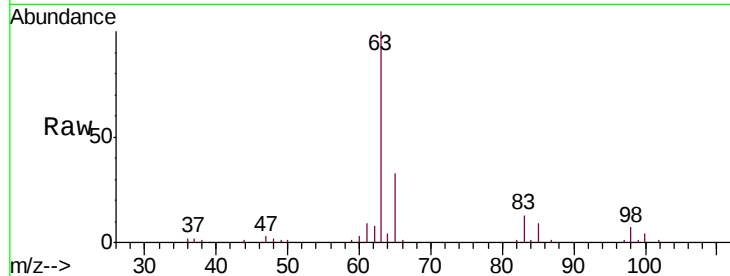




#19
 1,1-Dichloroethane
 Concen: 4.915 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

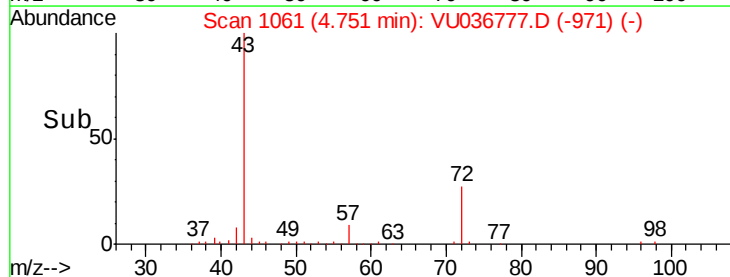
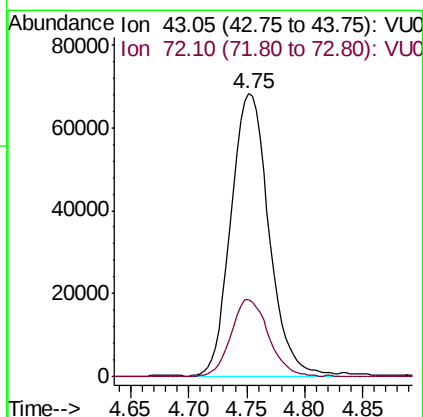
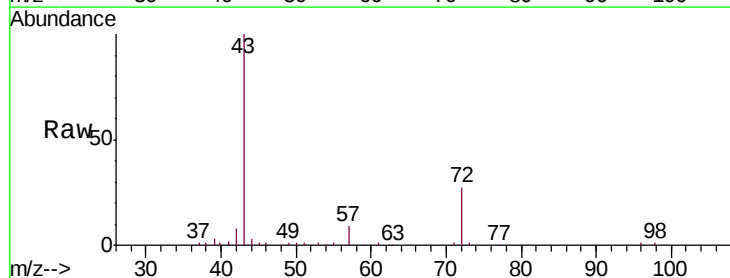
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

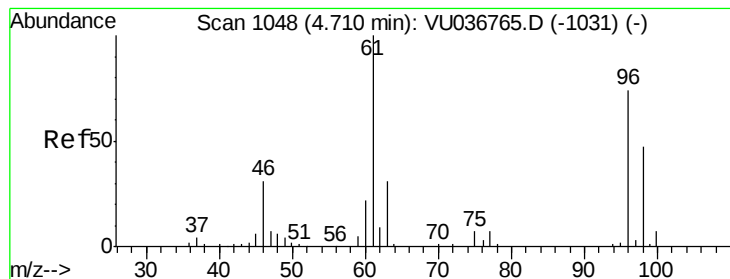
Tgt Ion: 63 Resp: 85973
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.6 40.2
 83 12.9 8.8 16.3



#21
 2-Butanone
 Concen: 43.267 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

Tgt Ion: 43 Resp: 154232
 Ion Ratio Lower Upper
 43 100
 72 27.5 14.0 41.9





#22

cis-1,2-Dichloroethene

Concen: 4.950 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

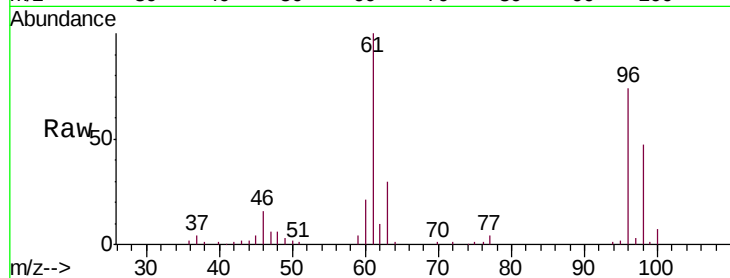
Tgt Ion: 96 Resp: 49967

Ion Ratio Lower Upper

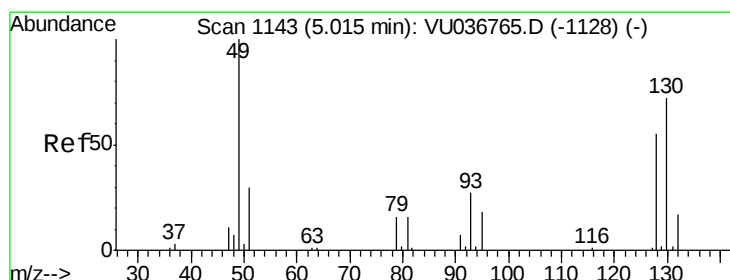
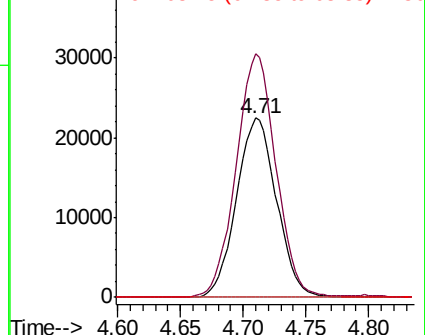
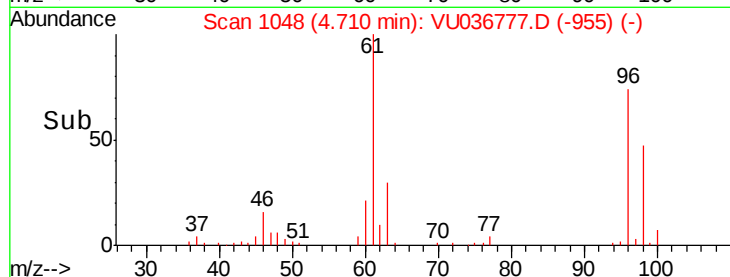
96 100

61 136.0 91.2 169.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036777.D (-955) (-)



#23

Bromochloromethane

Concen: 4.973 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Tgt Ion: 128 Resp: 19955

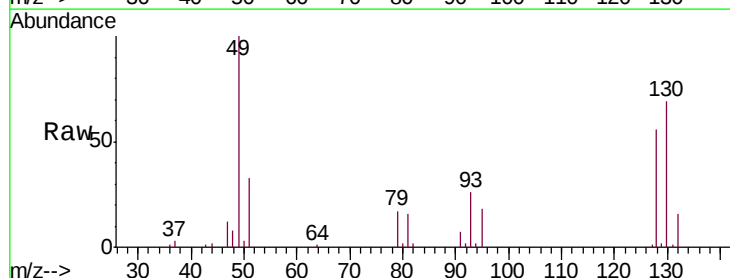
Ion Ratio Lower Upper

128 100

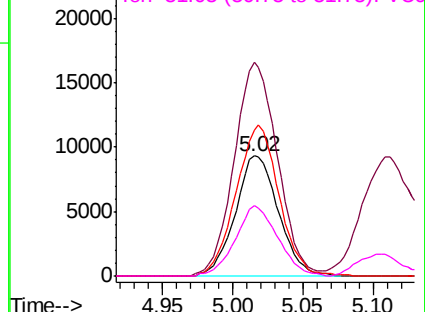
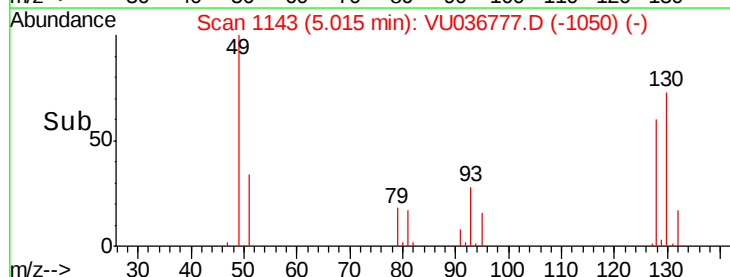
49 177.6 132.4 245.8

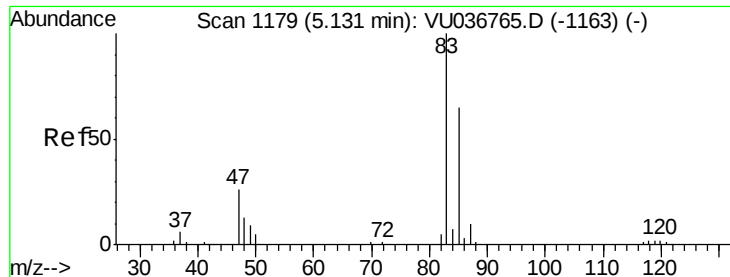
130 121.8 89.0 165.2

51 58.4 45.6 68.4



Abundance Ion 127.90 (127.60 to 128.60): VU036777.D (-1050) (-)

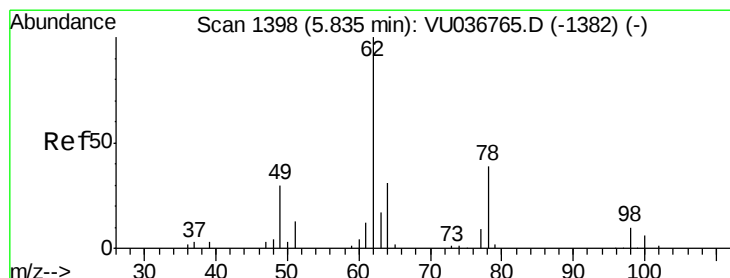
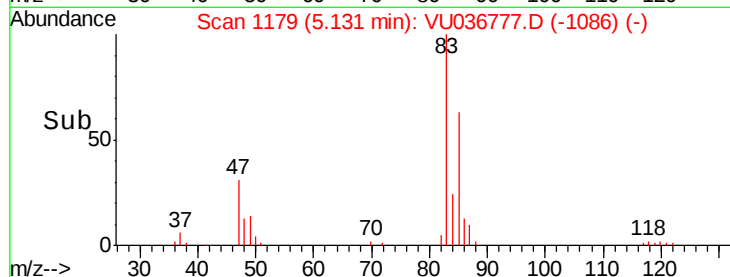
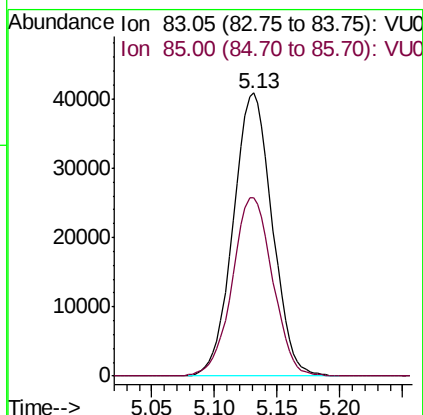
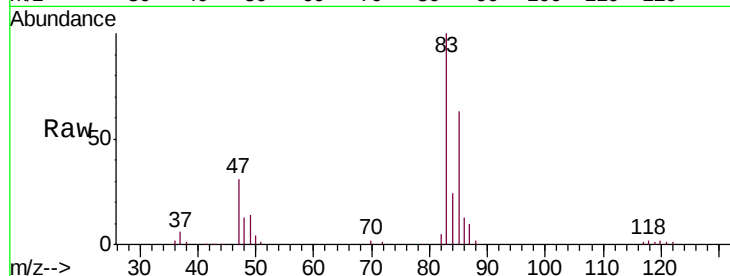




#25
Chloroform
Concen: 4.729 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036777.D
Acq: 13 Feb 2020 17:23

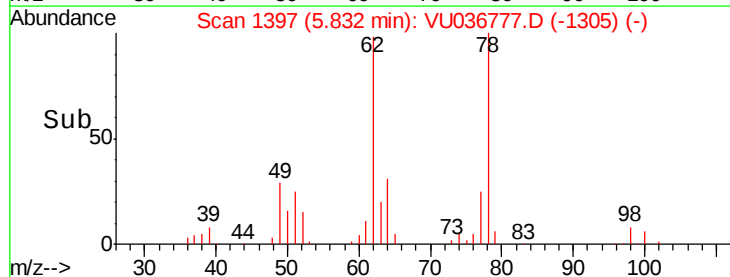
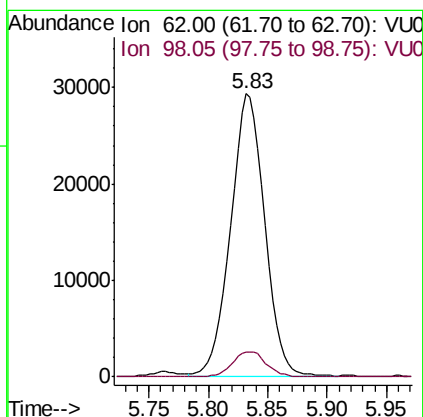
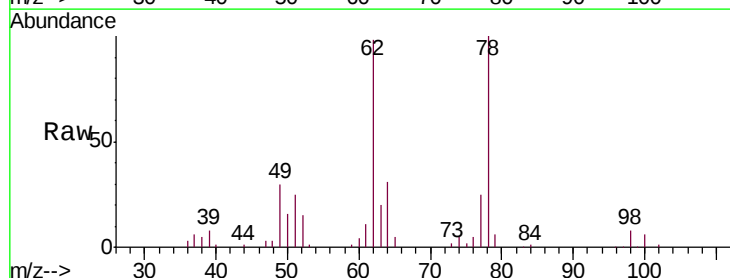
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

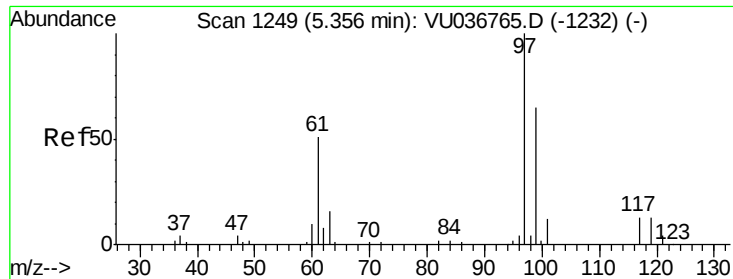
Tgt Ion: 83 Resp: 88334
Ion Ratio Lower Upper
83 100
85 63.2 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.869 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU036777.D
Acq: 13 Feb 2020 17:23

Tgt Ion: 62 Resp: 57977
Ion Ratio Lower Upper
62 100
98 8.6 7.0 10.4

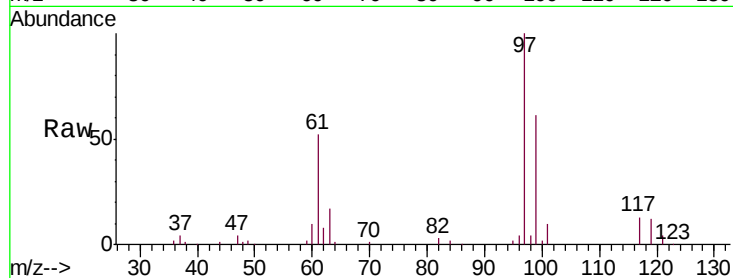




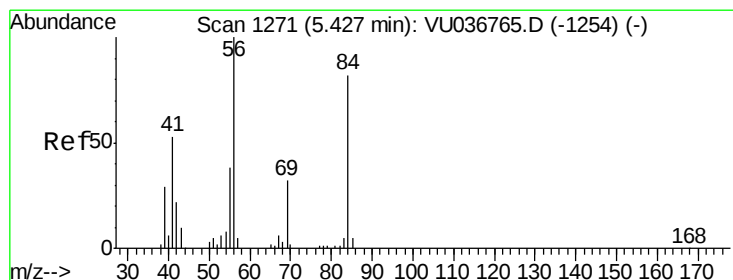
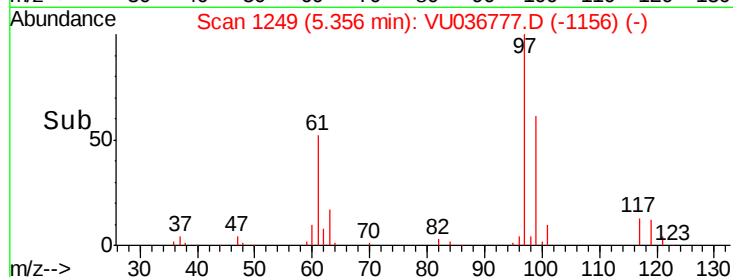
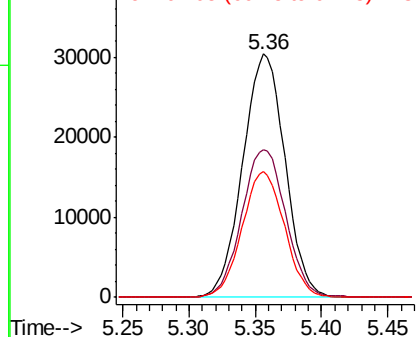
#29
 1,1,1-Trichloroethane
 Concen: 4.994 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion: 97 Resp: 67643
 Ion Ratio Lower Upper
 97 100
 99 63.1 51.0 76.4
 61 51.6 41.6 62.4

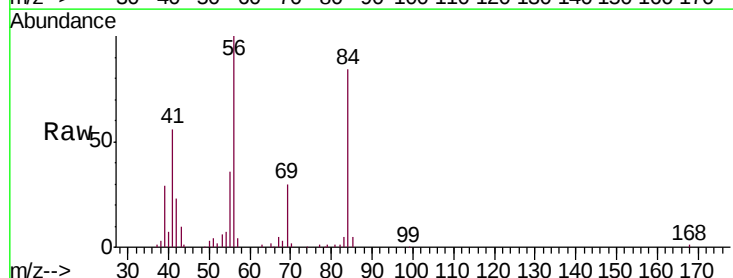


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

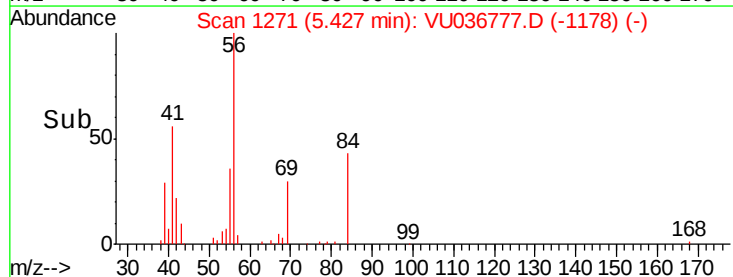
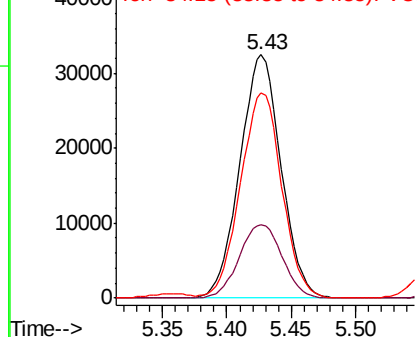


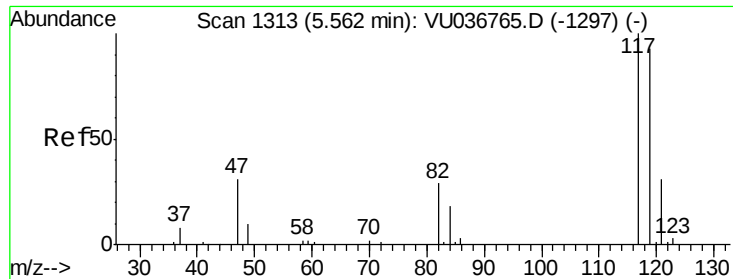
#30
 Cyclohexane
 Concen: 5.014 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

Tgt Ion: 56 Resp: 72141
 Ion Ratio Lower Upper
 56 100
 69 31.4 24.6 37.0
 84 85.1 70.0 105.0



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





#31

Carbon tetrachloride

Concen: 4.763 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Instrument :

MSVOA_U

ClientSampled :

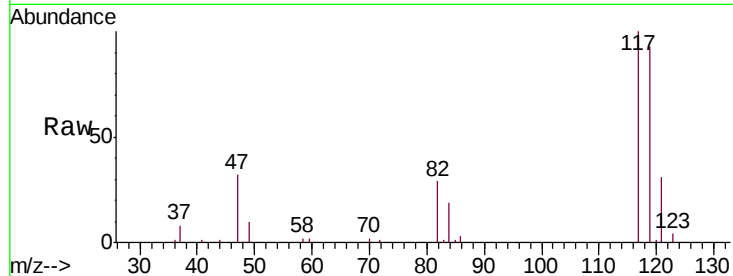
VSTD00517

Tgt Ion:117 Resp: 52048

Ion Ratio Lower Upper

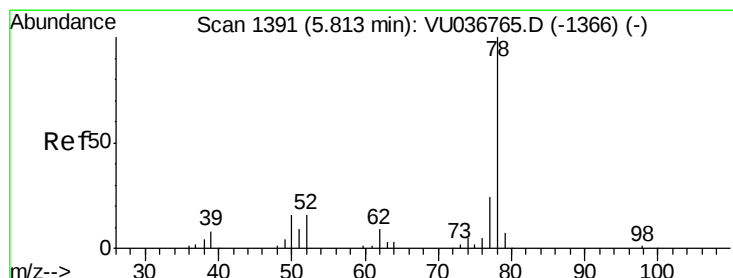
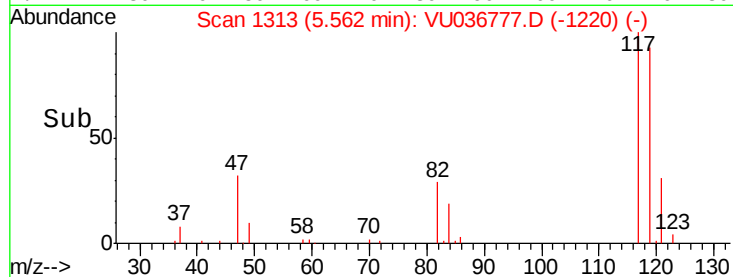
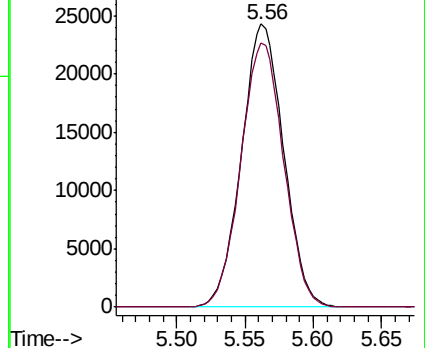
117 100

119 94.8 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: 4.914 ug/L

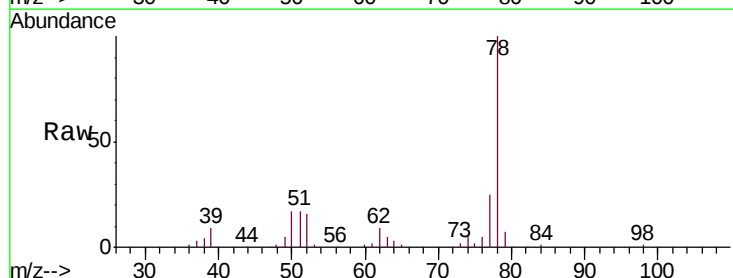
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

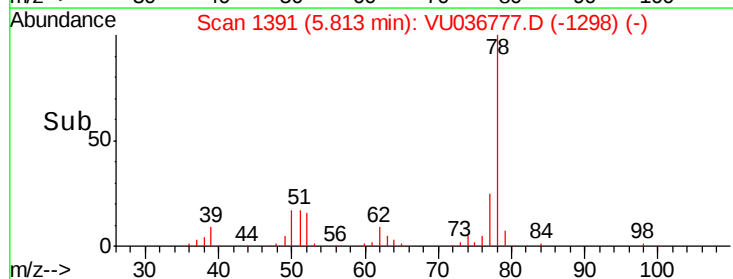
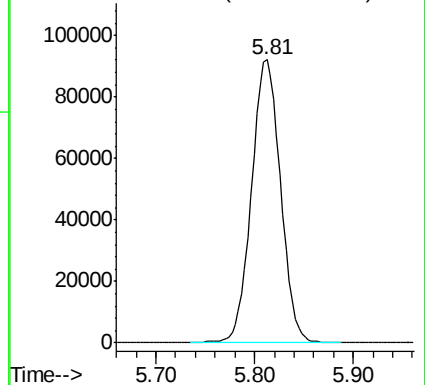
Lab File: VU036777.D

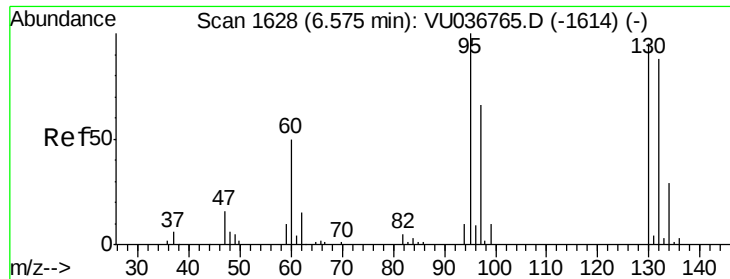
Acq: 13 Feb 2020 17:23

Tgt Ion: 78 Resp: 186925



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.881 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

Tgt Ion: 95 Resp: 47286

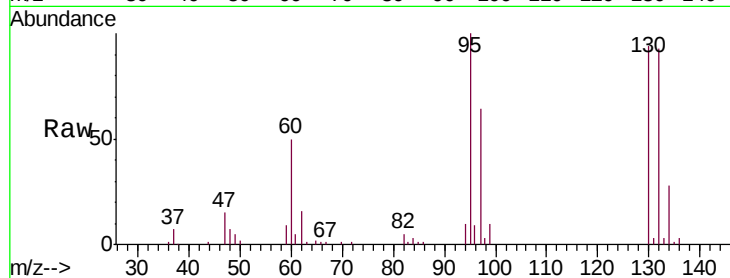
Ion Ratio Lower Upper

95 100

97 63.8 45.6 84.8

132 93.0 62.8 116.6

130 93.7 63.8 118.4

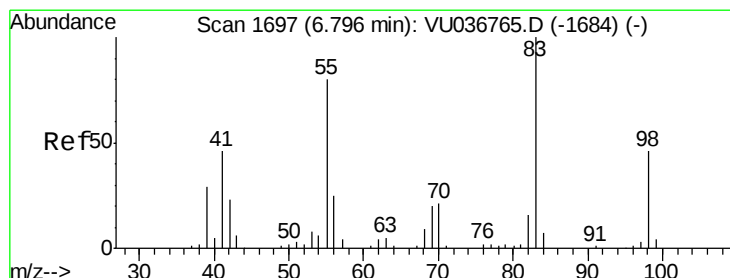
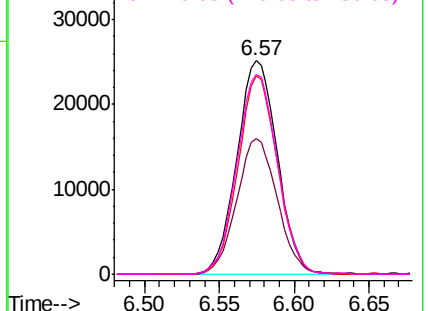
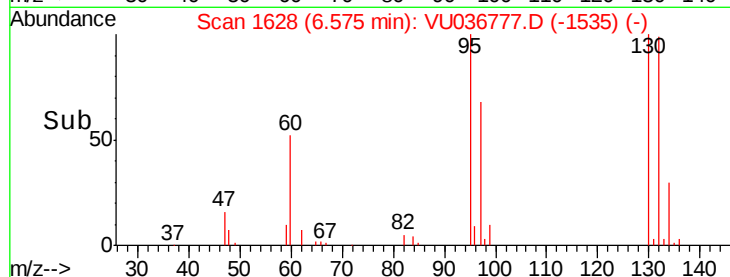


Abundance Ion 95.00 (94.70 to 95.70): VU036777.D (-1535) (-)

Ion 96.95 (96.65 to 97.65): VU036777.D (-1535) (-)

Ion 131.95 (131.65 to 132.65): VU036777.D (-1535) (-)

Ion 129.95 (129.65 to 130.65): VU036777.D (-1535) (-)



#35

Methylcyclohexane

Concen: 4.884 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

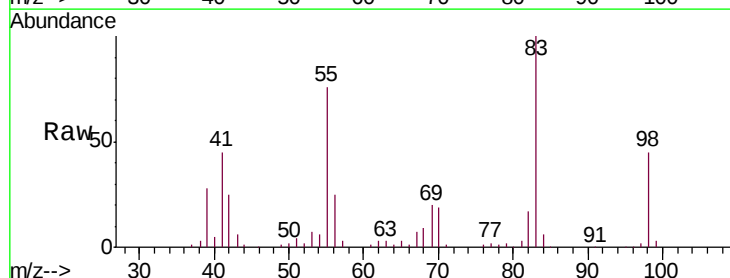
Tgt Ion: 83 Resp: 75083

Ion Ratio Lower Upper

83 100

55 79.0 61.0 91.4

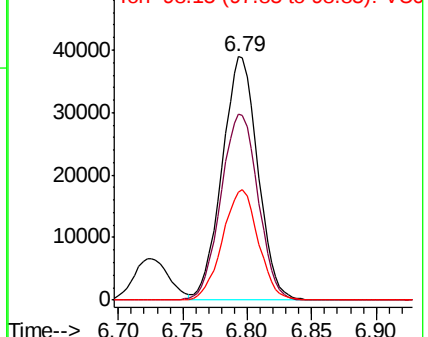
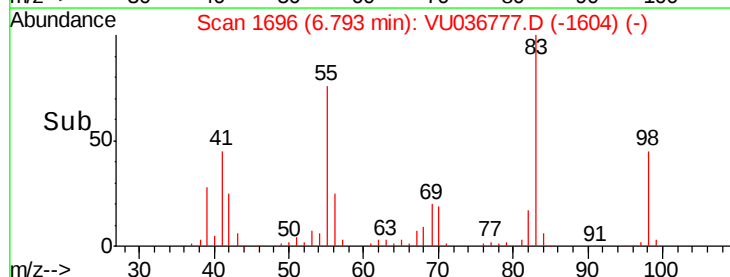
98 45.3 34.2 51.4

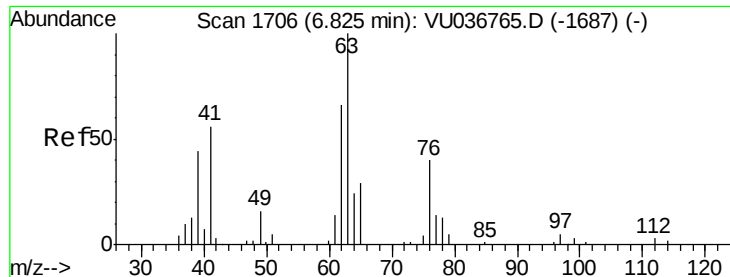


Abundance Ion 83.15 (82.85 to 83.85): VU036777.D (-1604) (-)

Ion 55.10 (54.80 to 55.80): VU036777.D (-1604) (-)

Ion 98.15 (97.85 to 98.85): VU036777.D (-1604) (-)

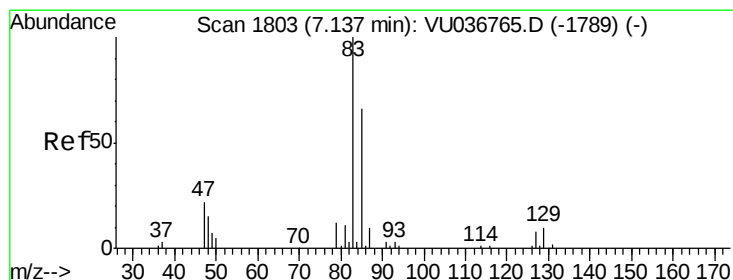
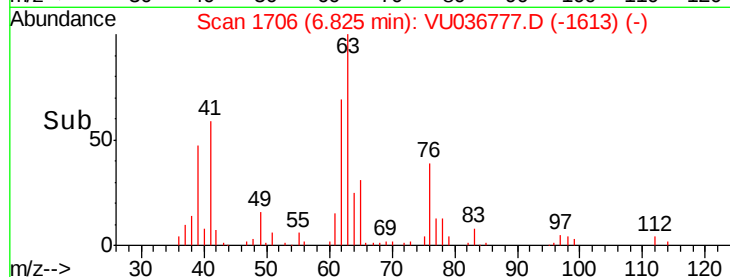
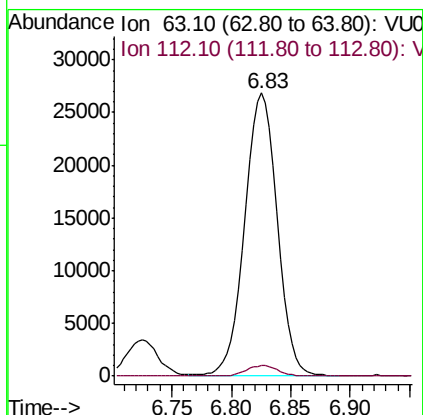
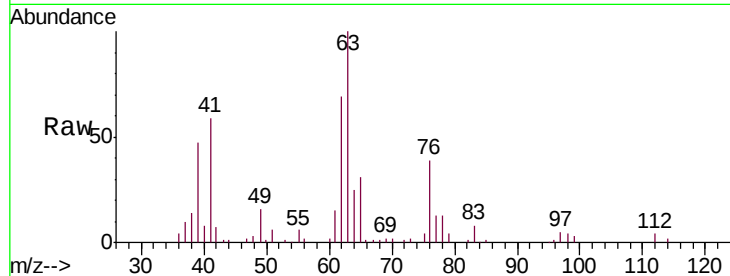




#37
 1,2-Dichloropropane
 Concen: 4.918 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

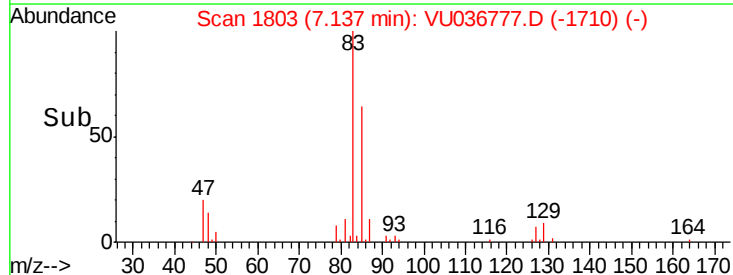
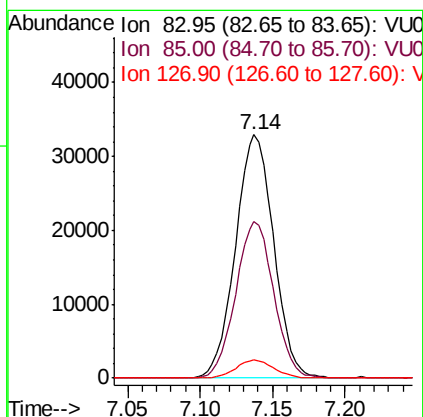
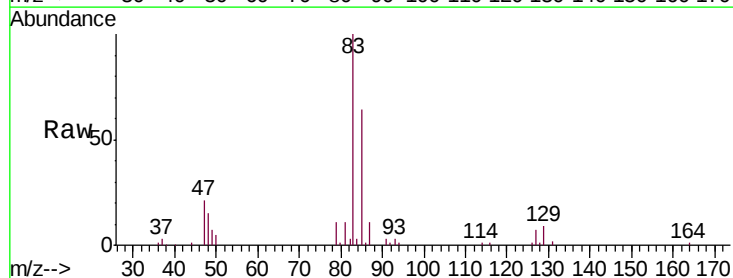
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

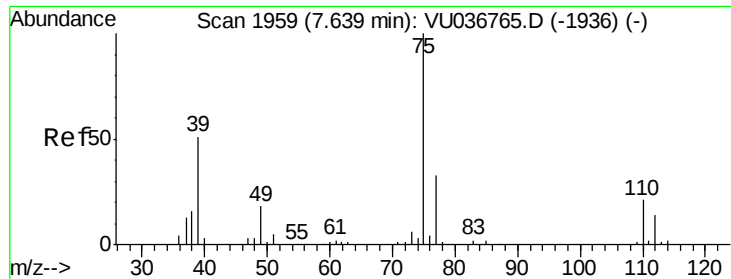
Tgt Ion: 63 Resp: 51076
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.0 4.4



#38
 Bromodichloromethane
 Concen: 4.865 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

Tgt Ion: 83 Resp: 60302
 Ion Ratio Lower Upper
 83 100
 85 64.2 43.0 80.0
 127 7.4 6.3 9.5

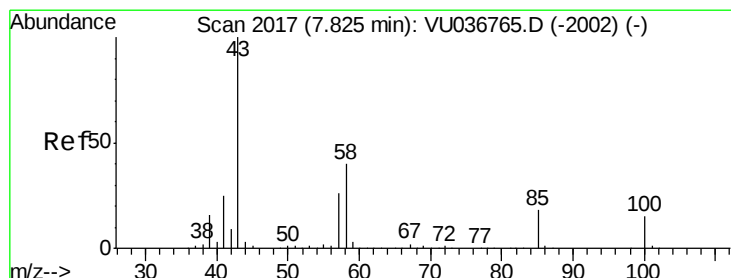
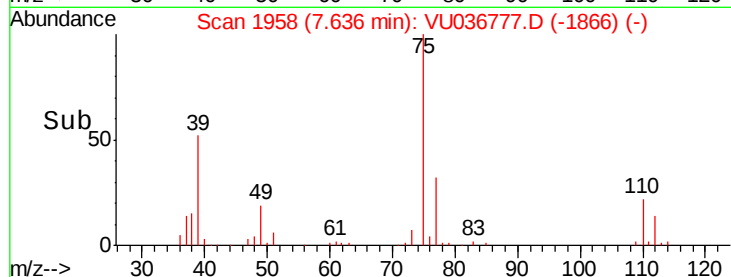
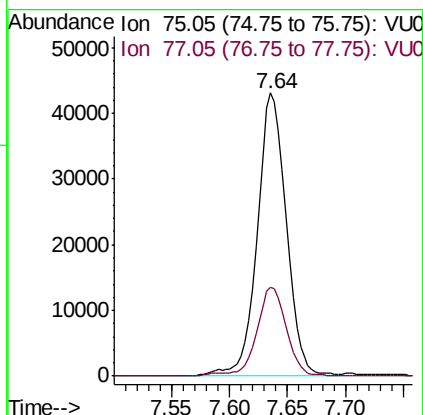
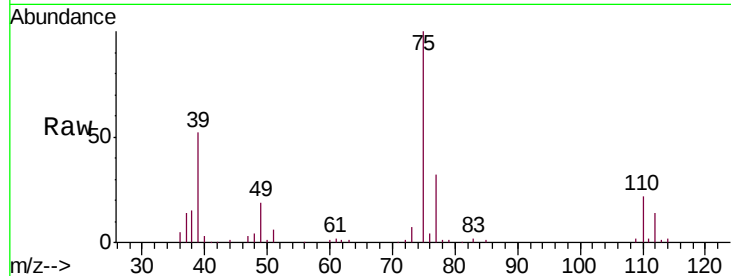




#39
 cis-1,3-Dichloropropene
 Concen: 5.036 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

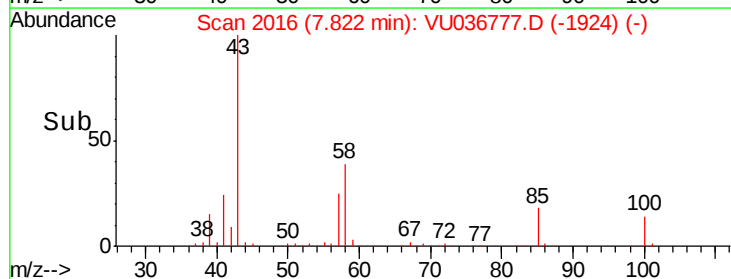
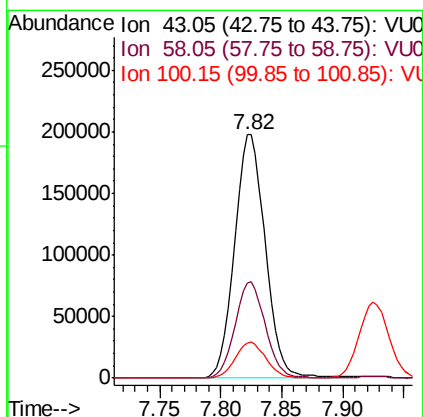
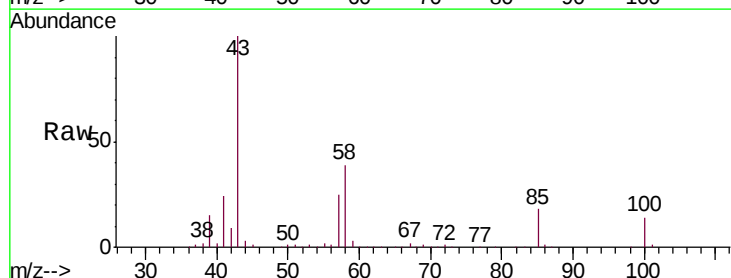
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

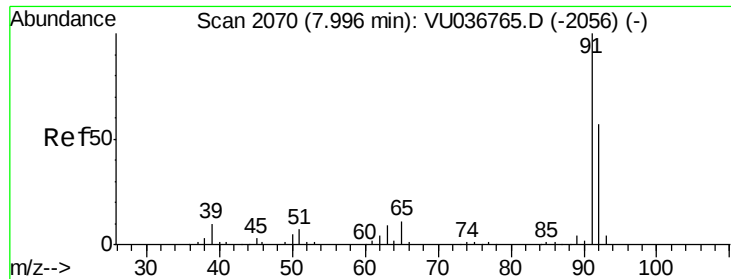
Tgt Ion: 75 Resp: 75677
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 51.459 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

Tgt Ion: 43 Resp: 344891
 Ion Ratio Lower Upper
 43 100
 58 39.1 32.0 48.0
 100 14.7 11.8 17.8





#42

Toluene

Concen: 4.992 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

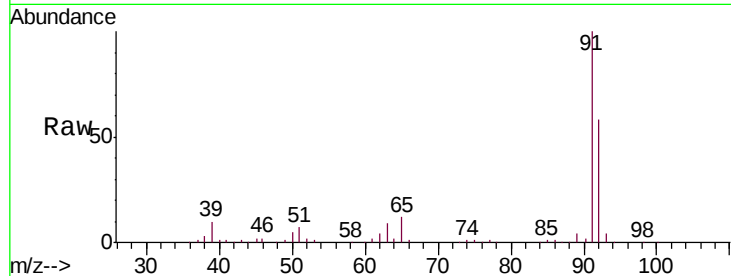
VSTD00517

Tgt Ion: 91 Resp: 203923

Ion Ratio Lower Upper

91 100

92 58.0 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) (-)

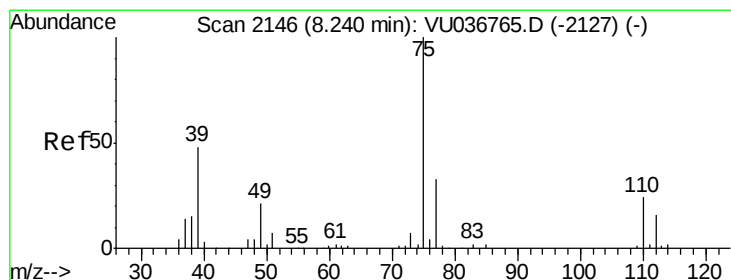
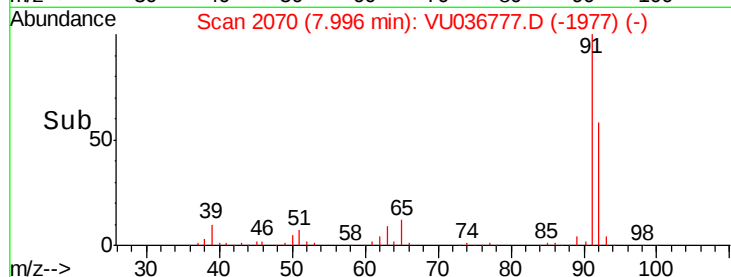
8.00

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.003 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU036777.D

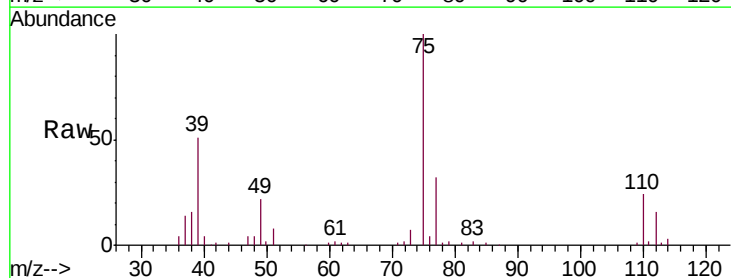
Acq: 13 Feb 2020 17:23

Tgt Ion: 75 Resp: 58760

Ion Ratio Lower Upper

75 100

77 32.5 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

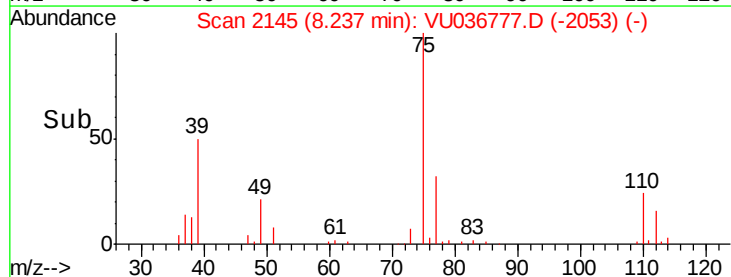
30000

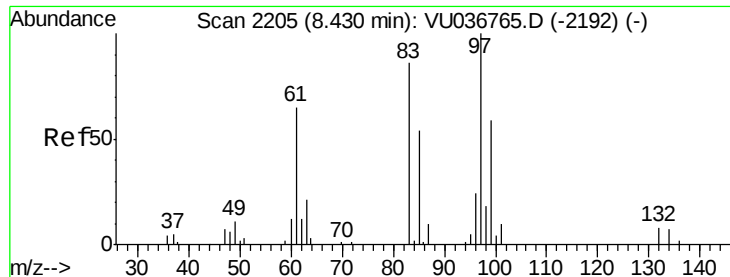
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.037 ug/L

RT: 8.43 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

Tgt Ion: 97 Resp: 36395

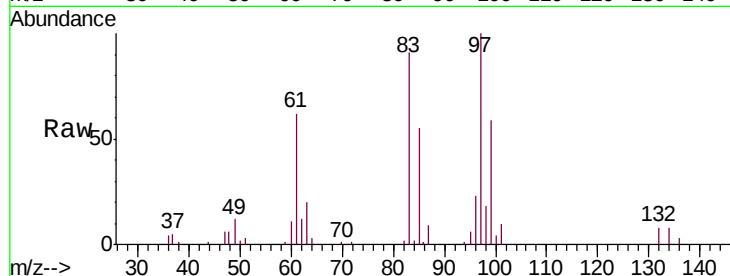
Ion Ratio Lower Upper

97 100

99 58.6 44.1 81.9

83 90.8 63.5 117.9

85 55.1 41.2 76.4

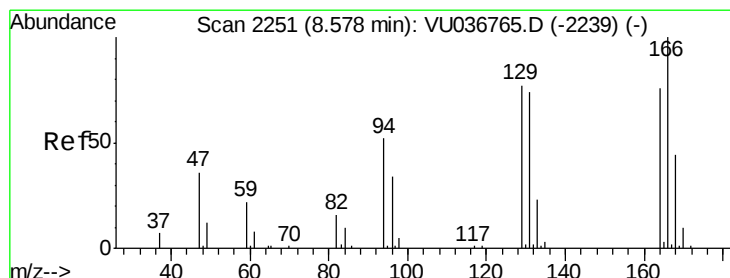
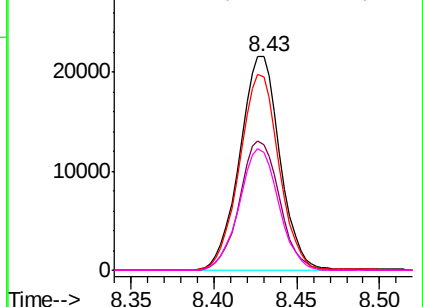
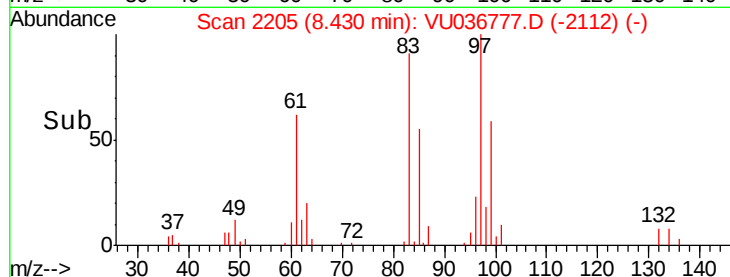


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.891 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Tgt Ion: 164 Resp: 32237

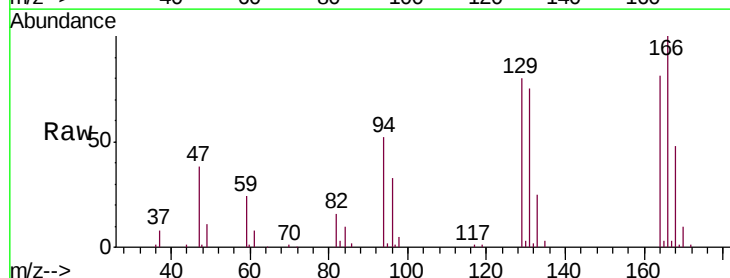
Ion Ratio Lower Upper

164 100

129 99.5 68.0 126.4

131 92.8 69.4 128.8

166 124.1 86.6 160.8

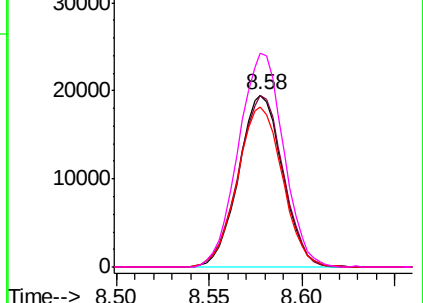
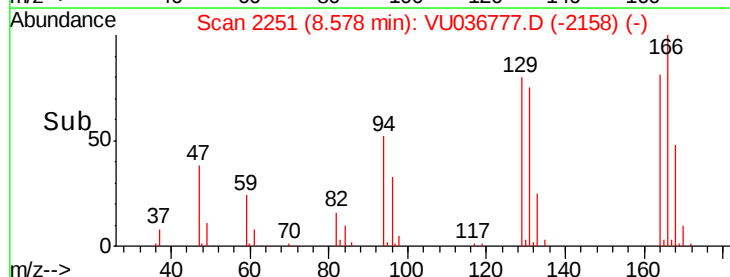


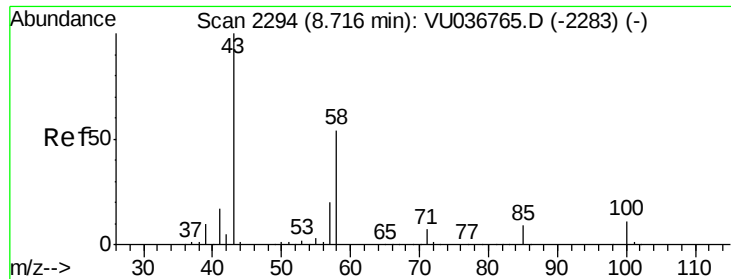
Abundance Ion 163.90 (163.60 to 164.60): V

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

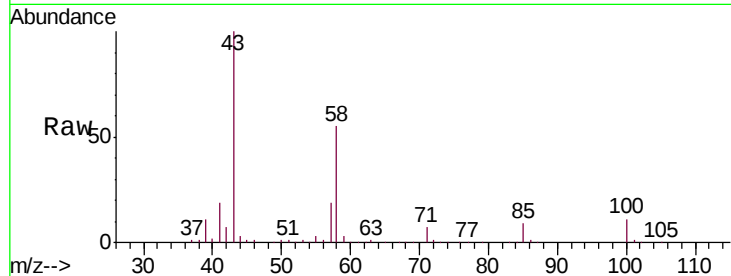




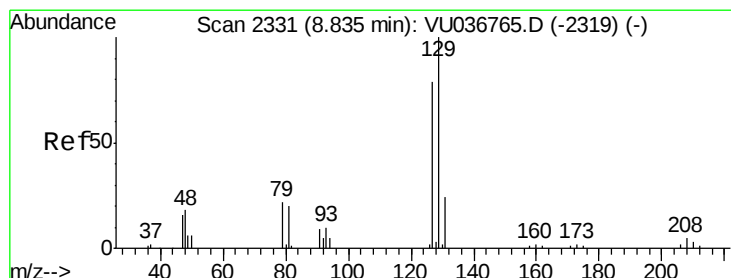
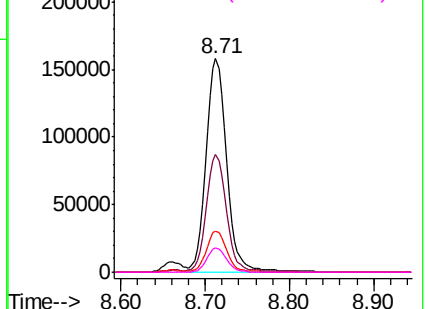
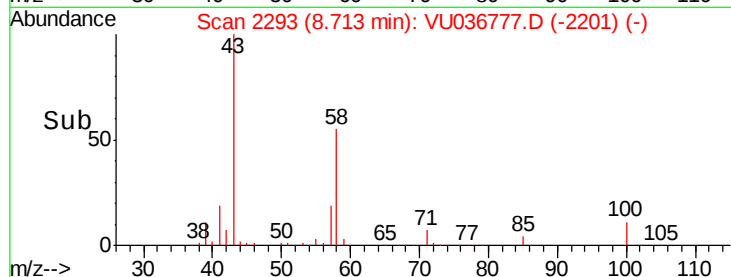
#48
2-Hexanone
Concen: 46.860 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VU036777.D
Acq: 13 Feb 2020 17:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Tgt Ion:	43	Resp:	268772
Ion	Ratio	Lower	Upper
43	100		
58	53.2	43.6	65.4
57	18.6	15.0	22.4
100	11.1	9.0	13.6

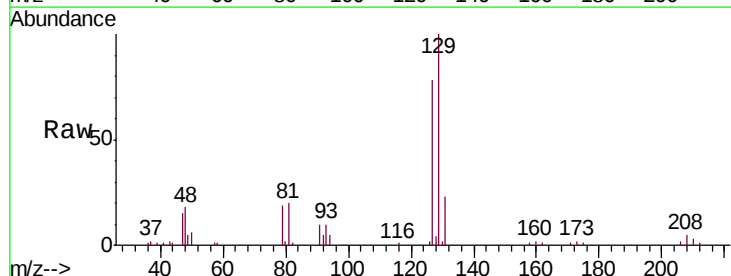


Abundance Ion 43.05 (42.75 to 43.75): VU036777.D (-2201) (-)
Ion 58.05 (57.75 to 58.75): VU036777.D (-2201) (-)
Ion 57.20 (56.90 to 57.90): VU036777.D (-2201) (-)
Ion 100.15 (99.85 to 100.85): VU036777.D (-2201) (-)

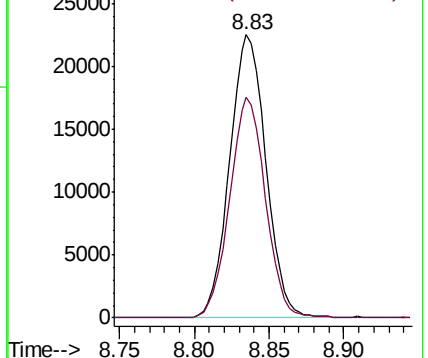
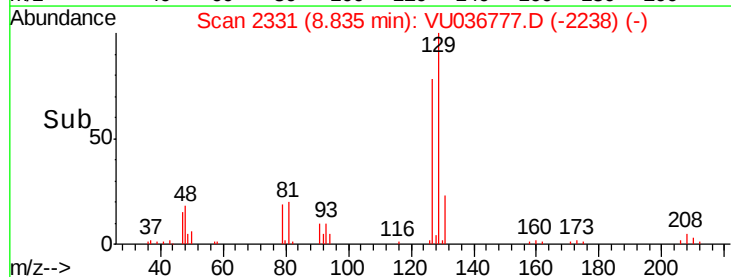


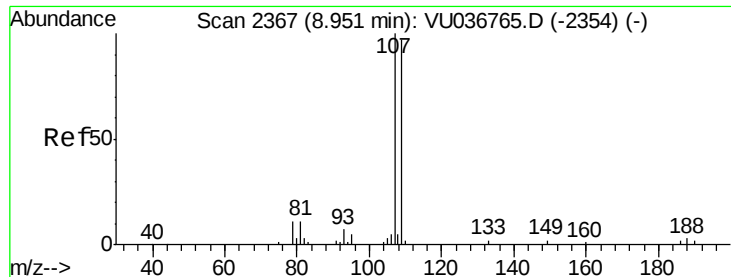
#49
Dibromochloromethane
Concen: 5.088 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU036777.D
Acq: 13 Feb 2020 17:23

Tgt Ion:	129	Resp:	38023
Ion	Ratio	Lower	Upper
129	100		
127	77.9	56.7	105.3



Abundance Ion 128.95 (128.65 to 129.65): VU036777.D (-2238) (-)
Ion 126.90 (126.60 to 127.60): VU036777.D (-2238) (-)

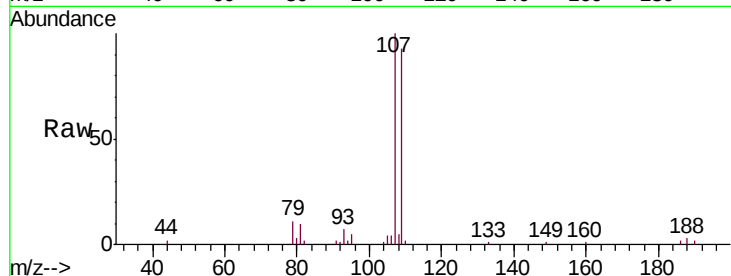




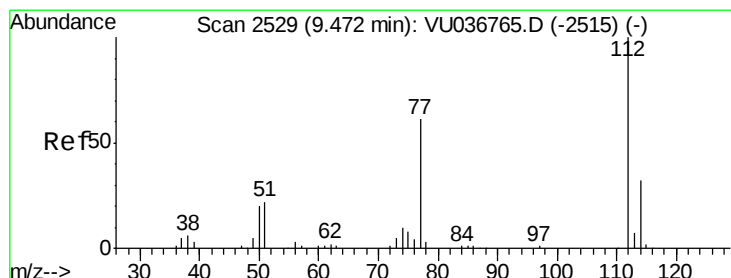
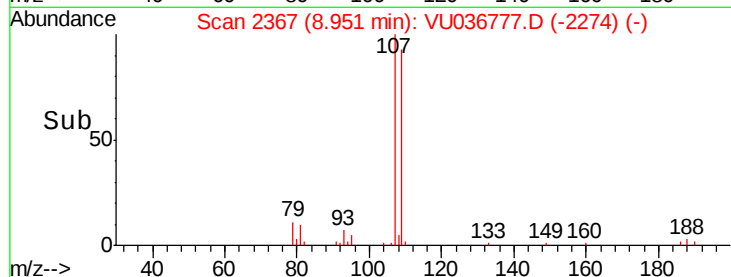
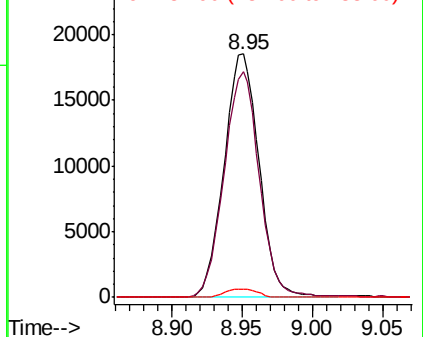
#50
 1,2-Dibromoethane
 Concen: 4.925 ug/L
 RT: 8.95 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion:107 Resp: 32141
 Ion Ratio Lower Upper
 107 100
 109 92.5 66.4 123.2
 188 3.5 2.4 3.6

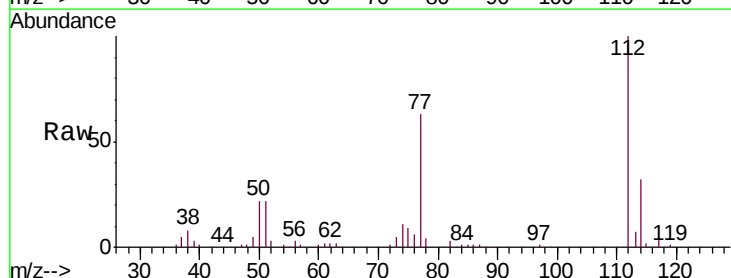


Abundance Ion 106.95 (106.65 to 107.65): V
 25000 Ion 109.00 (108.70 to 109.70): V
 20000 Ion 187.90 (187.60 to 188.60): V

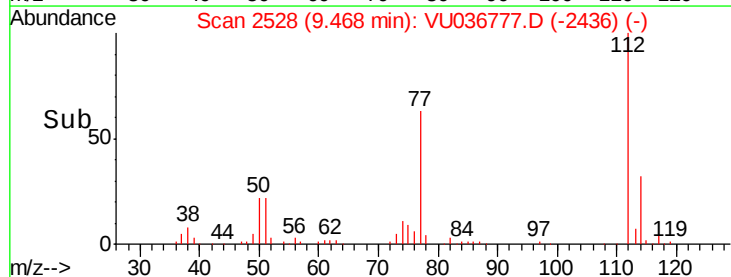
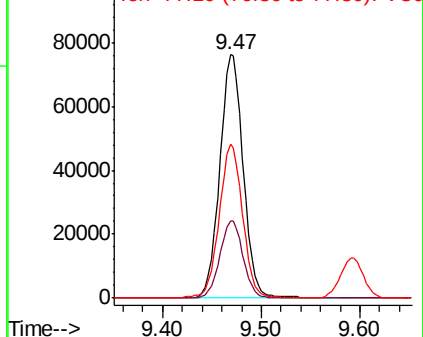


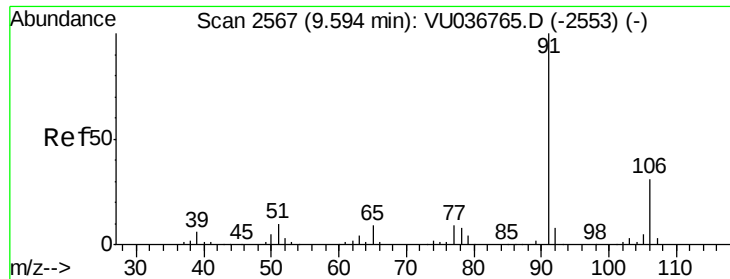
#51
 Chlorobenzene
 Concen: 5.024 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

Tgt Ion:112 Resp: 126983
 Ion Ratio Lower Upper
 112 100
 114 31.6 22.9 42.5
 77 63.3 51.0 76.4



Abundance Ion 112.10 (111.80 to 112.80): V
 100000 Ion 114.05 (113.75 to 114.75): V
 80000 Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 5.020 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

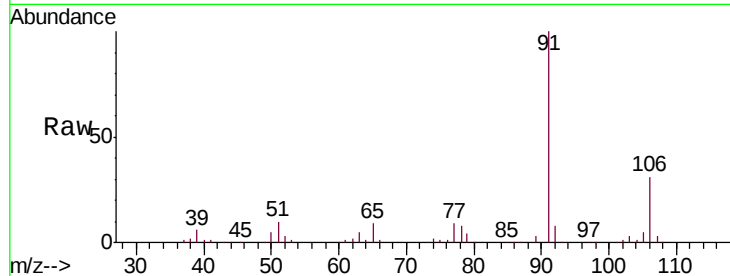
VSTD00517

Tgt Ion: 91 Resp: 229032

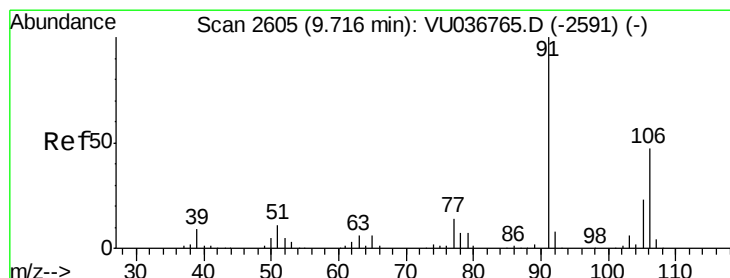
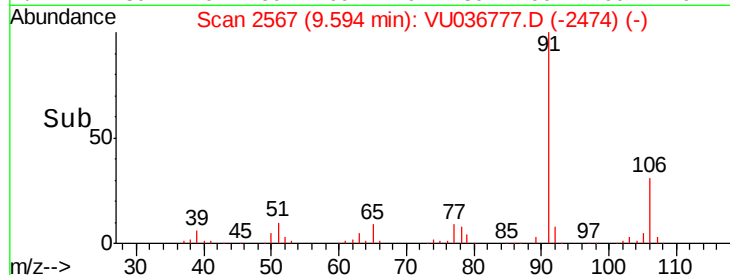
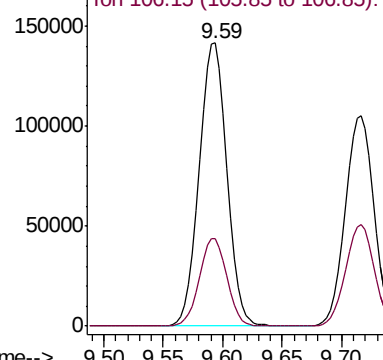
Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036777.D (-2474) (-)



#53

m,p-Xylene

Concen: 5.033 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU036777.D

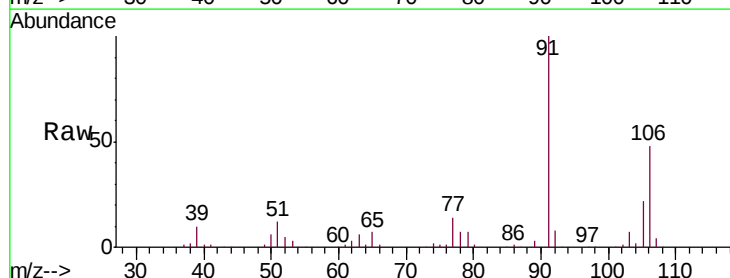
Acq: 13 Feb 2020 17:23

Tgt Ion: 106 Resp: 84522

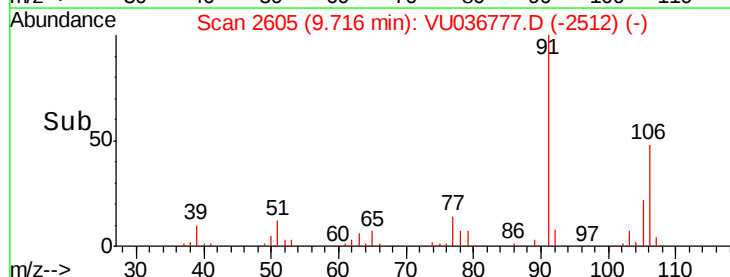
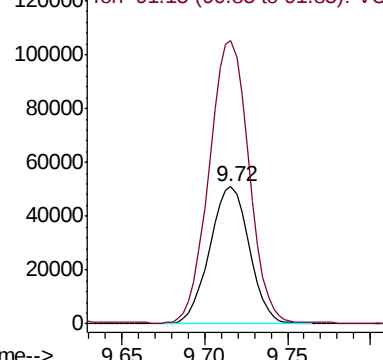
Ion Ratio Lower Upper

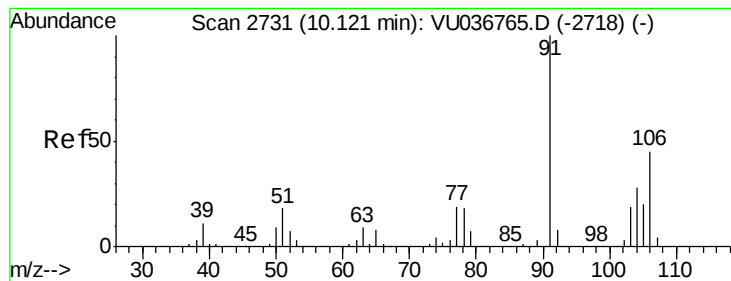
106 100

91 206.4 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036777.D (-2512) (-)





#54

o-Xylene

Concen: 5.015 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

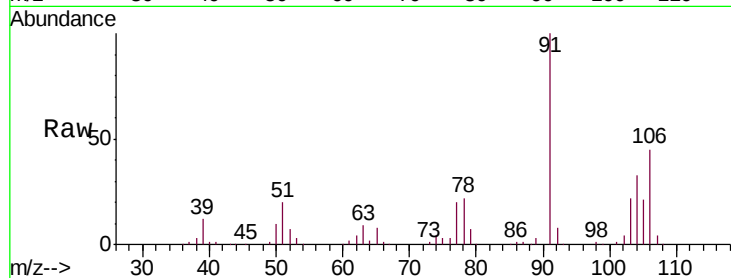
VSTD00517

Tgt Ion:106 Resp: 82693

Ion Ratio Lower Upper

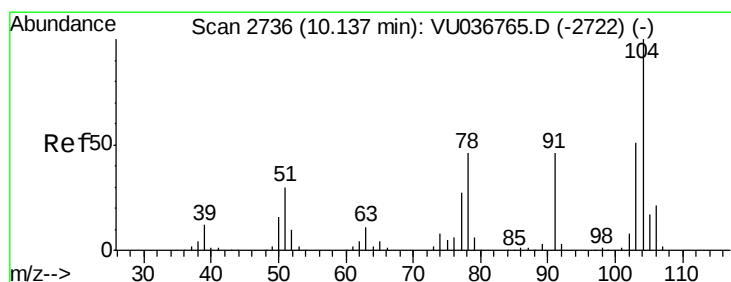
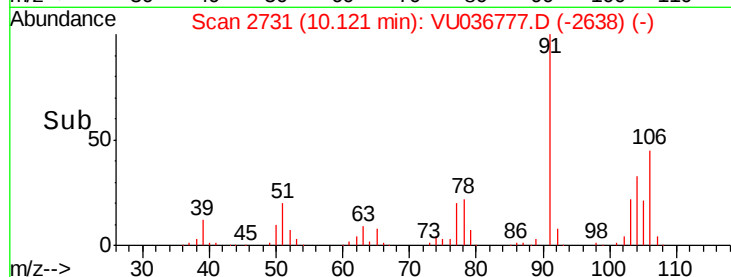
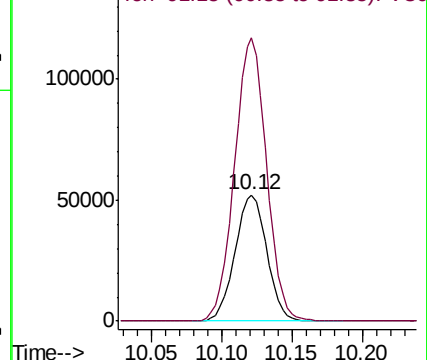
106 100

91 223.9 151.1 280.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.004 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VU036777.D

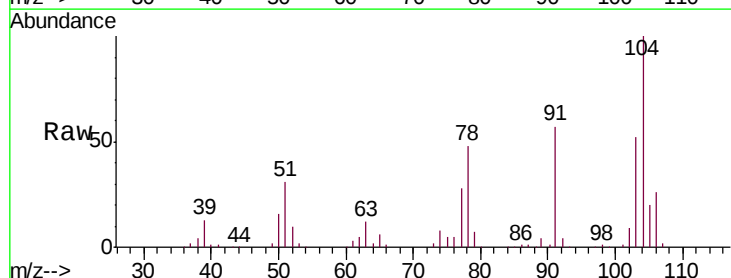
Acq: 13 Feb 2020 17:23

Tgt Ion:104 Resp: 139096

Ion Ratio Lower Upper

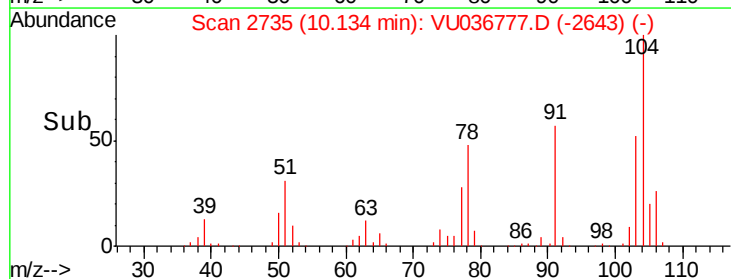
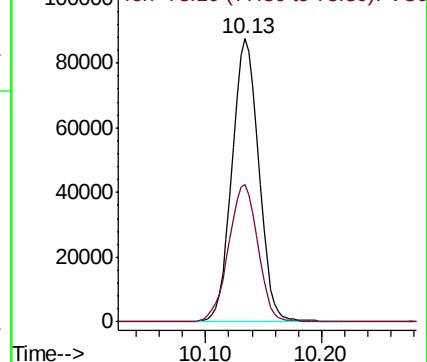
104 100

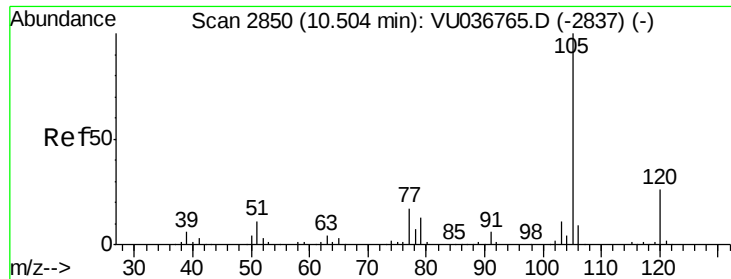
78 48.4 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.156 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

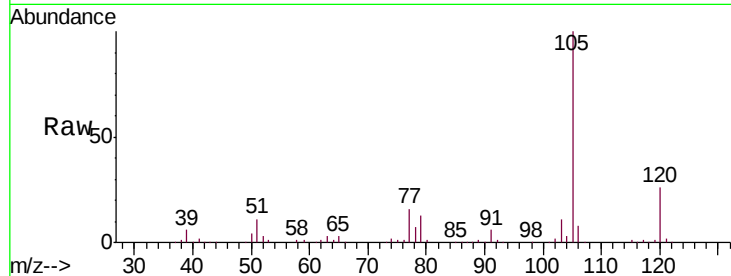
Tgt Ion: 105 Resp: 227519

Ion Ratio Lower Upper

105 100

120 25.7 20.5 30.7

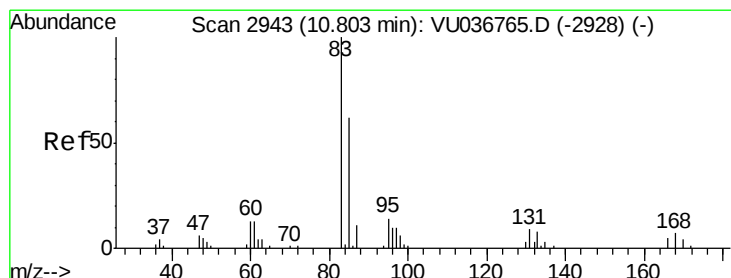
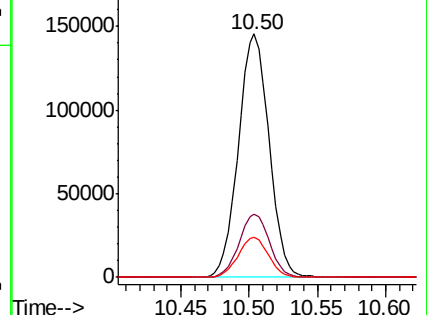
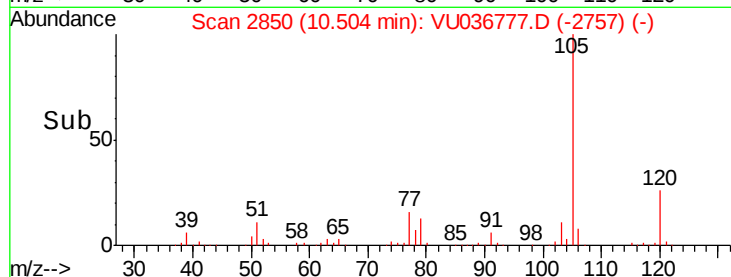
77 16.3 13.0 19.6



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: 5.015 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

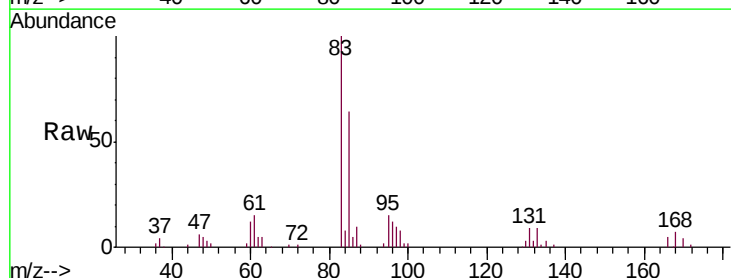
Tgt Ion: 83 Resp: 47436

Ion Ratio Lower Upper

83 100

85 64.5 45.6 84.6

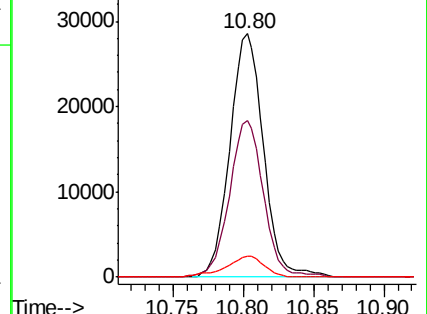
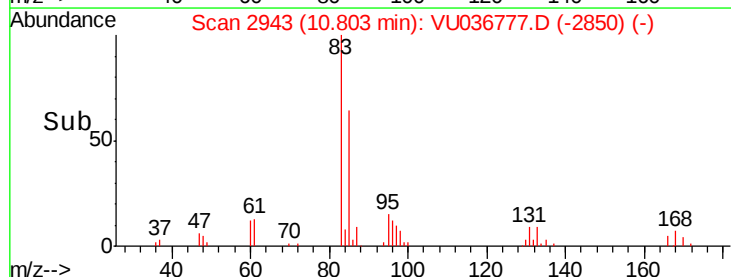
131 8.5 6.8 10.2

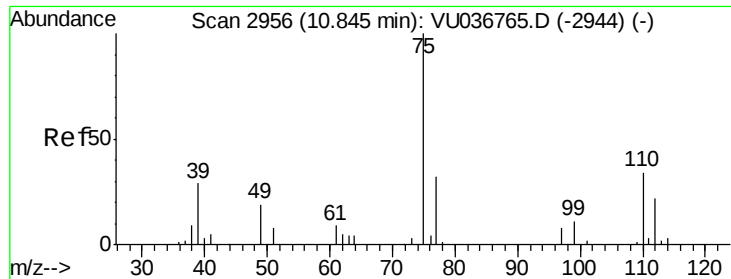


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

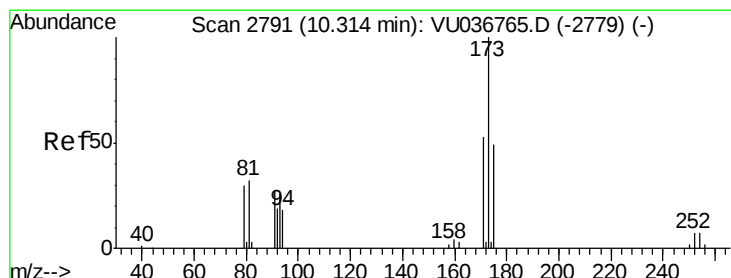
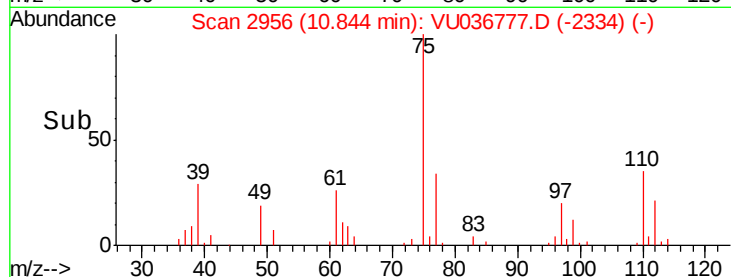
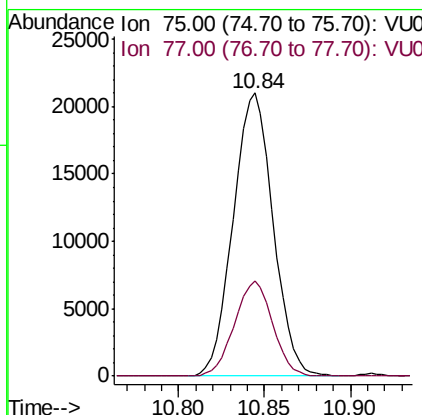
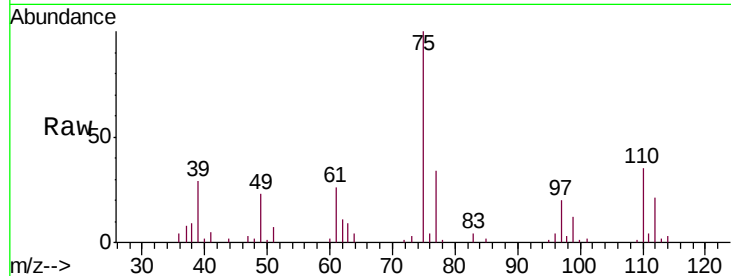




#59
 1,2,3-Trichloropropane
 Concen: 4.943 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. -0.00 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

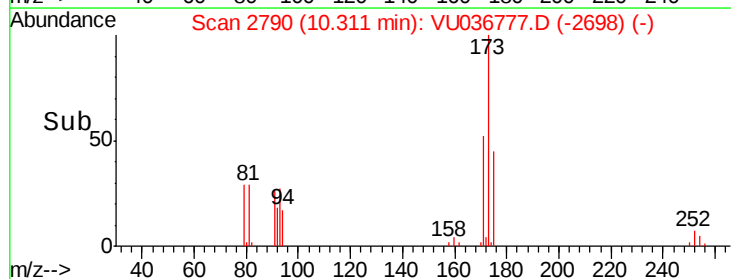
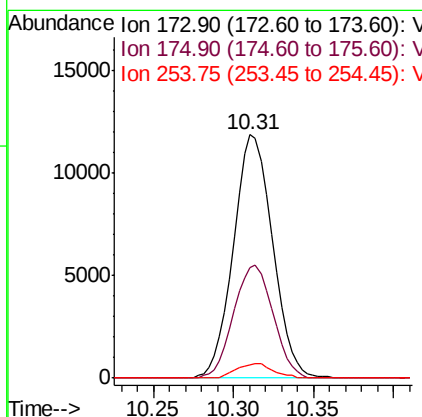
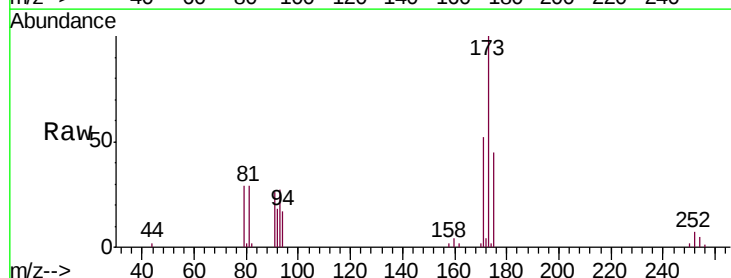
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

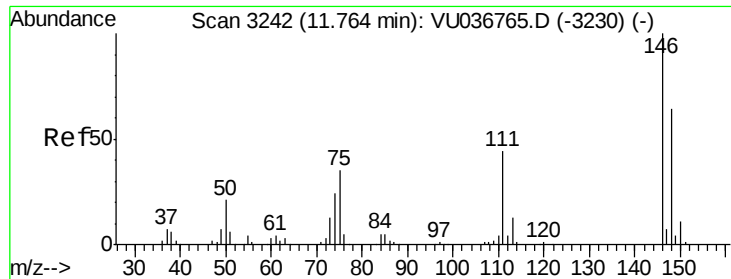
Tgt Ion: 75 Resp: 33899
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.6 38.4



#61
 Bromoform
 Concen: 4.959 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

Tgt Ion: 173 Resp: 19816
 Ion Ratio Lower Upper
 173 100
 175 46.4 39.9 59.9
 254 5.4 4.6 6.8





#62

1,3-Dichlorobenzene

Concen: 4.814 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

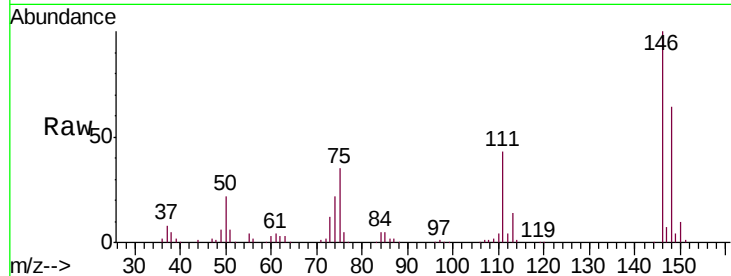
Tgt Ion:146 Resp: 96197

Ion Ratio Lower Upper

146 100

111 43.1 30.0 55.8

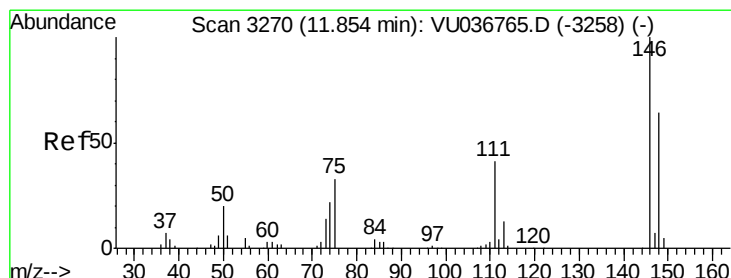
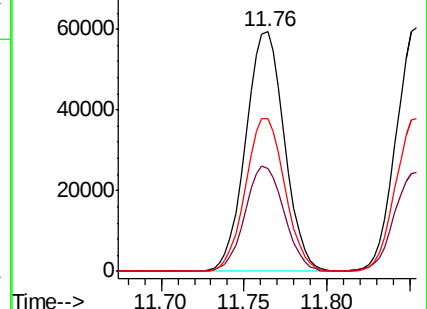
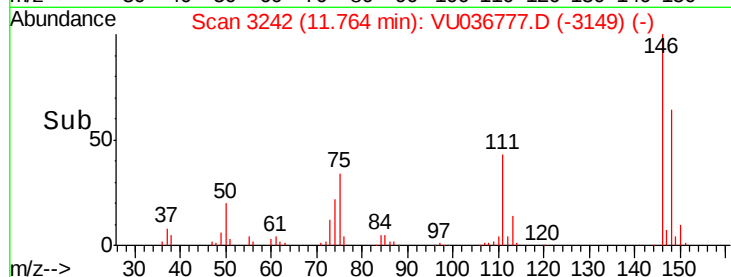
148 63.6 44.5 82.7



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: 4.849 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

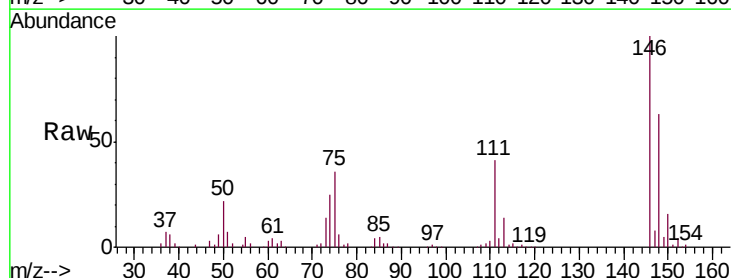
Tgt Ion:146 Resp: 96056

Ion Ratio Lower Upper

146 100

111 40.6 29.2 54.2

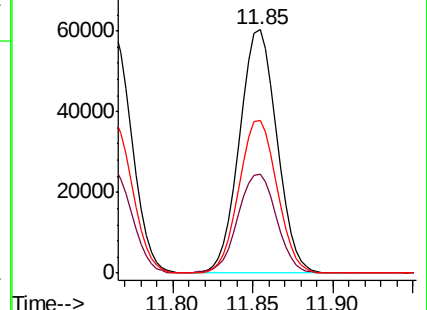
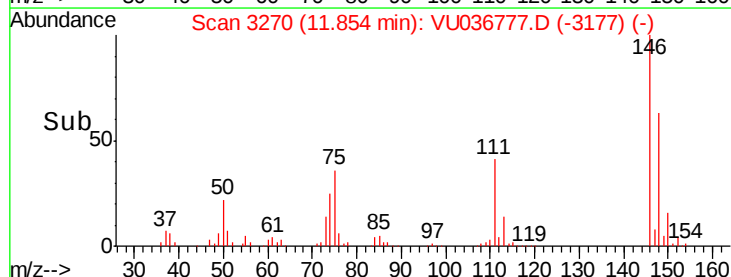
148 62.7 44.3 82.3

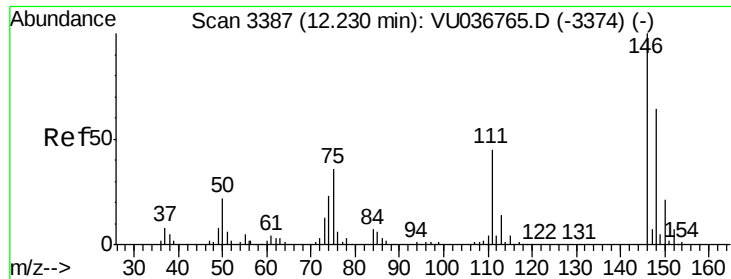


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

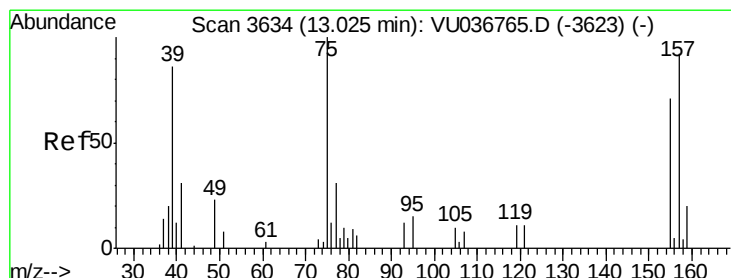
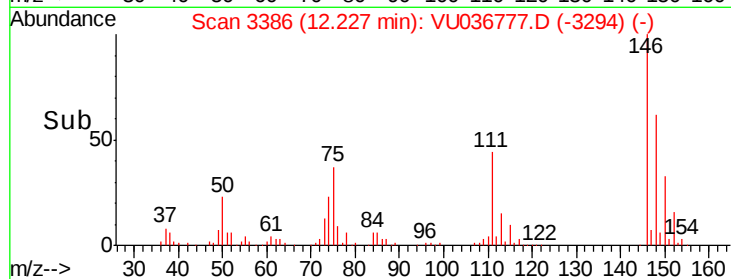
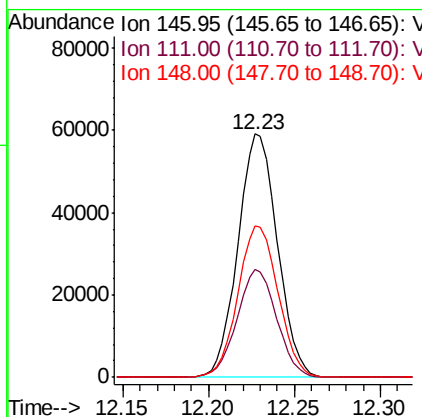
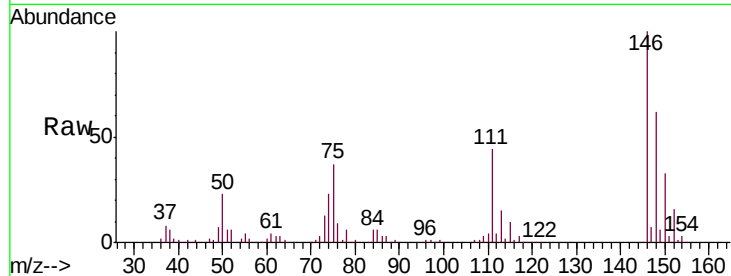




#65
 1,2-Dichlorobenzene
 Concen: 4.888 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

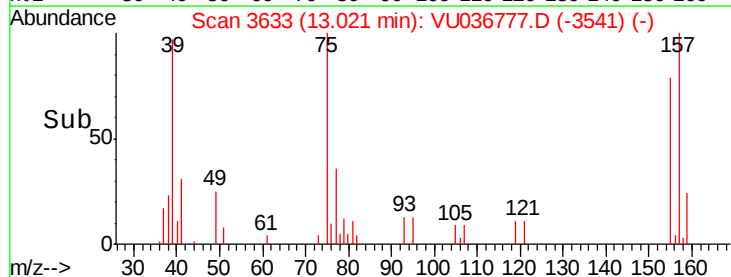
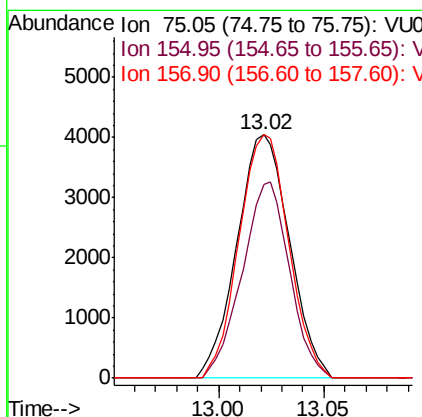
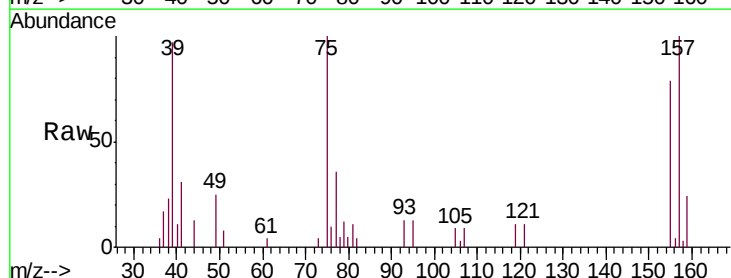
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

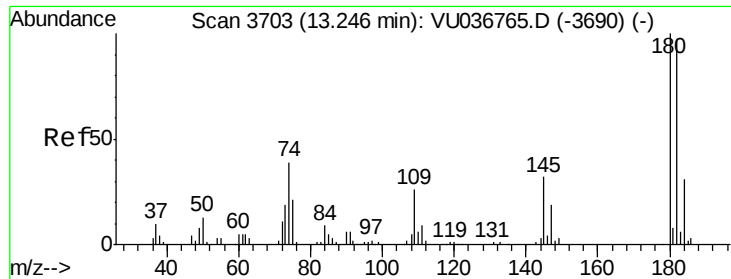
Tgt Ion: 146 Resp: 94168
 Ion Ratio Lower Upper
 146 100
 111 44.5 35.9 53.9
 148 62.2 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.867 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

Tgt Ion: 75 Resp: 6997
 Ion Ratio Lower Upper
 75 100
 155 79.5 52.9 79.3#
 157 100.0 69.2 103.8

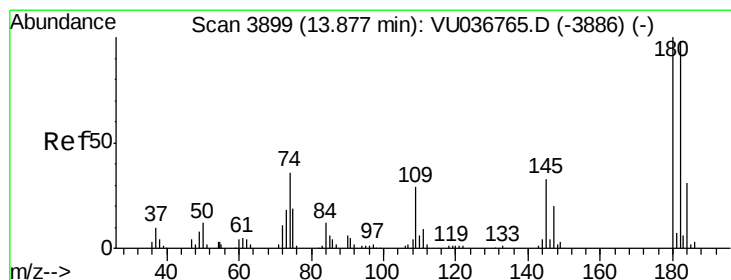
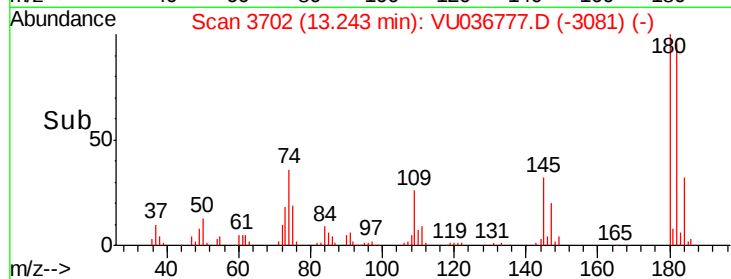
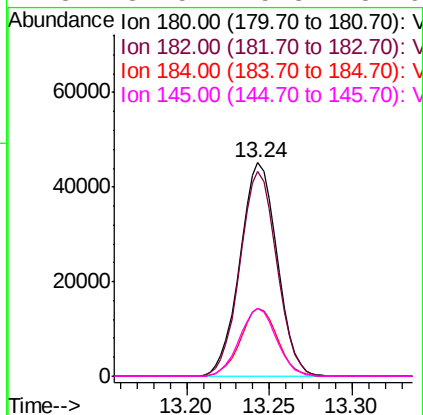
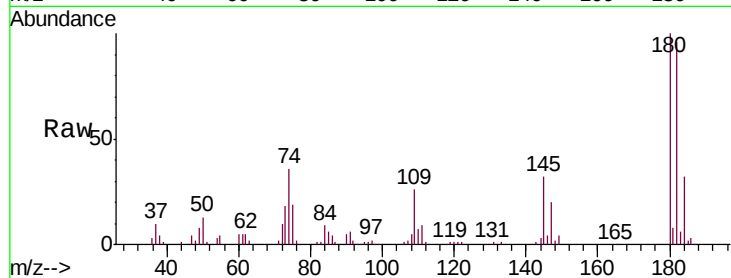




#67
 1,3,5-Trichlorobenzene
 Concen: 5.030 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

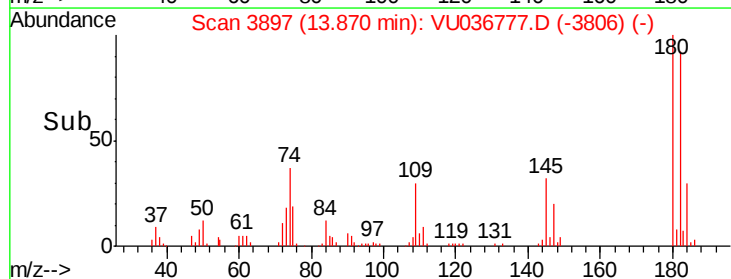
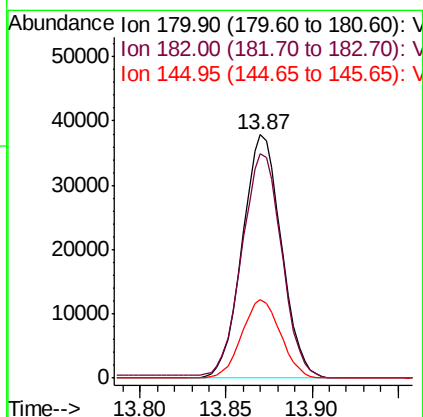
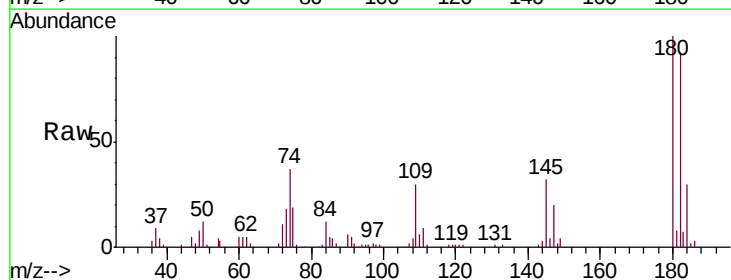
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

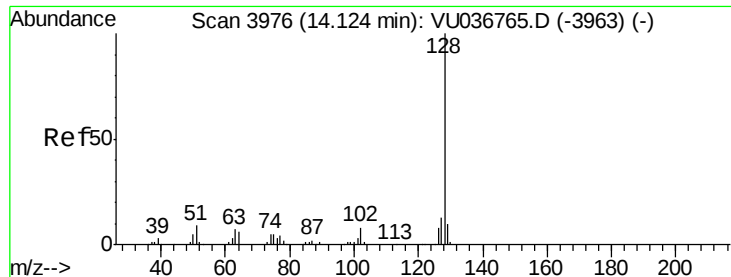
Tgt Ion:	180	Resp:	70757
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.4	114.6
184	31.6	24.6	37.0
145	31.5	25.3	37.9



#68
 1,2,4-trichlorobenzene
 Concen: 5.643 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.01 min
 Lab File: VU036777.D
 Acq: 13 Feb 2020 17:23

Tgt Ion:	180	Resp:	59857
Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.0	115.6
145	31.8	26.5	39.7





#69

Naphthalene

Concen: 21.926 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

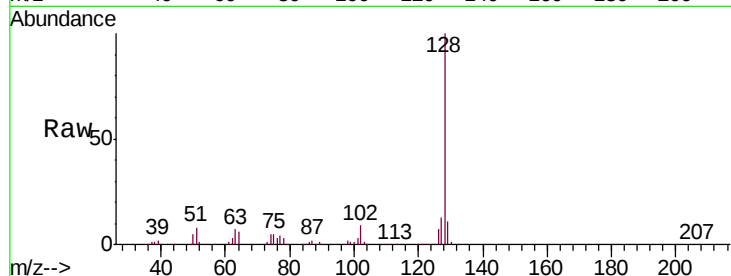
Tgt Ion:128 Resp: 421400

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

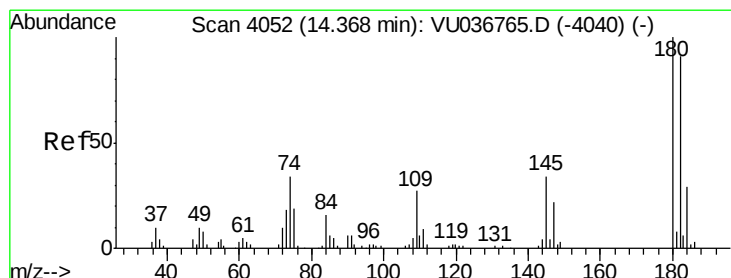
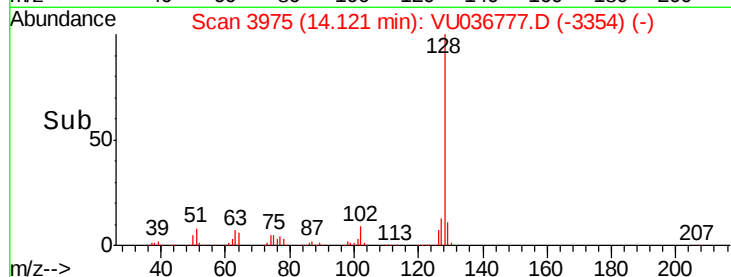
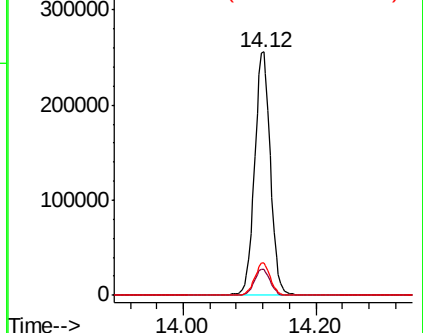
127 13.3 10.8 16.2



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: 5.745 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VU036777.D

Acq: 13 Feb 2020 17:23

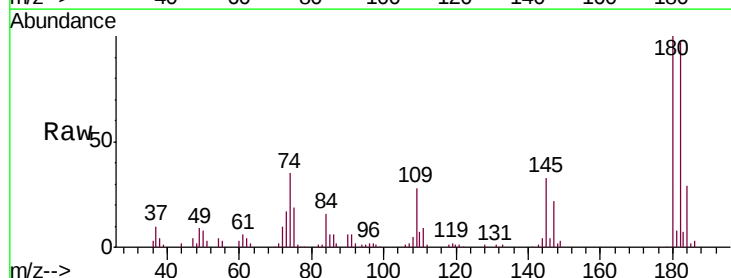
Tgt Ion:180 Resp: 54696

Ion Ratio Lower Upper

180 100

182 96.4 78.2 117.4

145 33.5 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

