

Data File : VU039822.D
Acq On : 10 Aug 2020 13:39
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Quant Time: Aug 11 01:14:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 10 09:26:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	80262	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	76569	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	41236	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23539	5.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.60%
7) Chloroethane-d5	1.92	69	21581	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.58	63	46030	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.40%
20) 2-Butanone-d5	4.65	46	74780	39.23	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.46%
24) Chloroform-d	5.08	84	47354	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.72	65	26921	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
32) Benzene-d6	5.74	84	88816	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.70	67	28418	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.90	98	79136	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	8.18	79	11222	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.64	63	53388	41.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25943	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	33922	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	31277	4.833	ug/L 99
3) Chloromethane	1.53	50	30761	4.519	ug/L 98
5) Vinyl chloride	1.61	62	31761	4.867	ug/L 95
6) Bromomethane	1.86	94	15604	3.779	ug/L 96
8) Chloroethane	1.94	64	21202	4.431	ug/L 95
9) Trichlorofluoromethane	2.14	101	49782	4.905	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	27864	5.060	ug/L 92
12) 1,1-Dichloroethene	2.59	96	24449	5.107	ug/L 93
13) Acetone	2.65	43	52366	46.598	ug/L 96
14) Carbon disulfide	2.80	76	65435	4.371	ug/L 100
15) Methyl Acetate	2.96	43	12931	4.666	ug/L 97
16) Methylene chloride	3.06	84	32991	4.274	ug/L 99
17) Methyl tert-butyl Ether	3.38	73	62973	4.953	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	25230	4.733	ug/L 96
19) 1,1-Dichloroethane	3.89	63	48177	4.896	ug/L 96
21) 2-Butanone	4.73	43	84102	47.489	ug/L 96
22) cis-1,2-Dichloroethene	4.68	96	28693	4.949	ug/L 99

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Quant Time: Aug 11 01:14:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 10 09:26:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	13327	4.894	ug/L	94
25) Chloroform	5.11	83	53360	5.044	ug/L	95
27) 1,2-Dichloroethane	5.81	62	34894	4.787	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	44297	5.186	ug/L	98
30) Cyclohexane	5.40	56	38908	4.734	ug/L	100
31) Carbon tetrachloride	5.54	117	39930	5.095	ug/L	99
33) Benzene	5.79	78	104735	5.020	ug/L	100
34) Trichloroethene	6.55	95	27014	4.986	ug/L	97
35) Methylcyclohexane	6.77	83	40083	4.635	ug/L	96
37) 1,2-Dichloropropane	6.80	63	27083	4.888	ug/L	99
38) Bromodichloromethane	7.11	83	37434	5.164	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	37564	4.971	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	196647	47.491	ug/L	99
42) Toluene	7.97	91	109488	4.994	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	34567	5.077	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	20366	4.886	ug/L	89
47) Tetrachloroethene	8.56	164	21714	4.858	ug/L	94
48) 2-Hexanone	8.69	43	143347	47.941	ug/L	99
49) Dibromochloromethane	8.81	129	25946	5.073	ug/L	97
50) 1,2-Dibromoethane	8.93	107	20176	4.937	ug/L	99
51) Chlorobenzene	9.45	112	73752	5.006	ug/L	96
52) Ethylbenzene	9.57	91	118436	4.827	ug/L	100
53) m,p-Xylene	9.69	106	45703	4.891	ug/L	91
54) o-Xylene	10.10	106	45090	4.928	ug/L	93
55) Styrene	10.11	104	79515	5.161	ug/L	97
56) Isopropylbenzene	10.48	105	121566	4.971	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	26322	4.590	ug/L	93
59) 1,2,3-Trichloropropane	10.82	75	19140	4.789	ug/L	99
61) Bromoform	10.29	173	13439	4.823	ug/L	90
62) 1,3-Dichlorobenzene	11.74	146	62974	5.218	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	61960	4.870	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	58703	4.937	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4614	5.133	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	45642	4.990	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	39007	5.089	ug/L	100
69) Naphthalene	14.08	128	78222	5.708	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	39572	5.754	ug/L	100

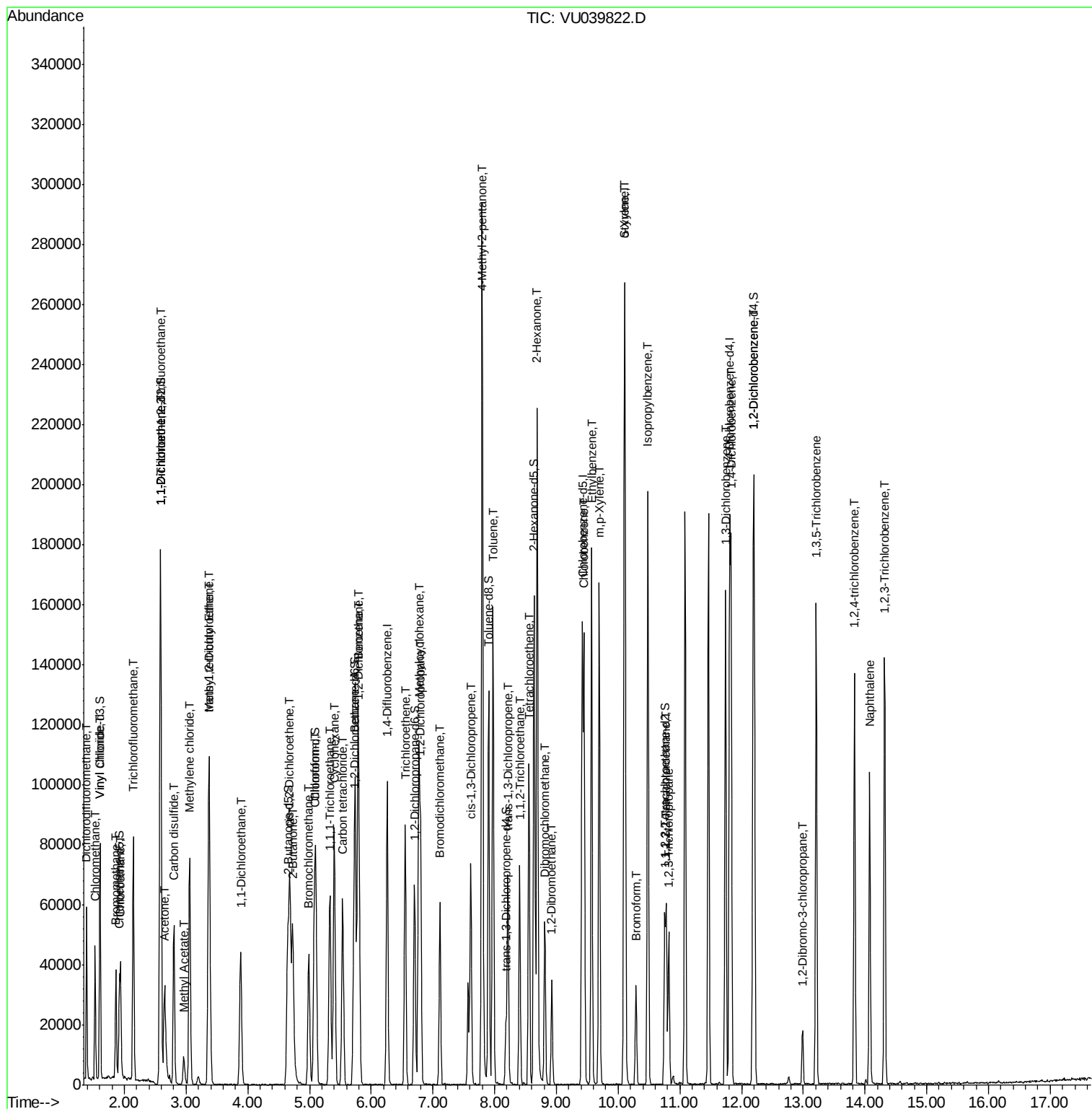
(#) = qualifier out of range (m) = manual integration (+) = signals summed

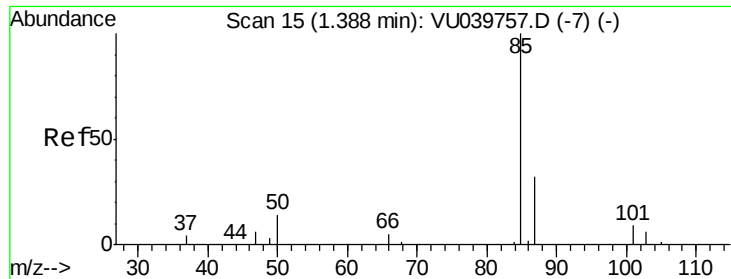
Data File : VU039822.D

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Acq On       : 10 Aug 2020   13:39
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Sample      : VSTDCCC005
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ALS Vial    : 2      Sample Multiplier: 1
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Instrument :
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ClientSampleId :
VSTD00517

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#2

Dichlorodifluoromethane

Concen: 4.833 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

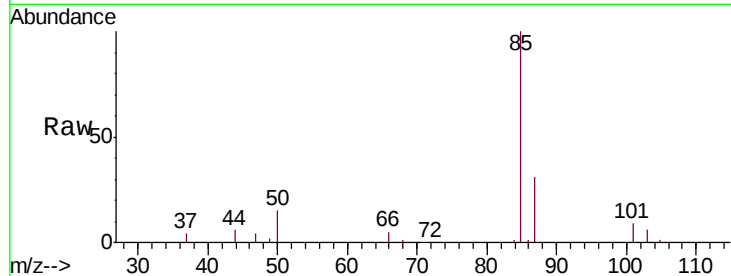
VSTD00517

Tgt Ion: 85 Resp: 31277

Ion Ratio Lower Upper

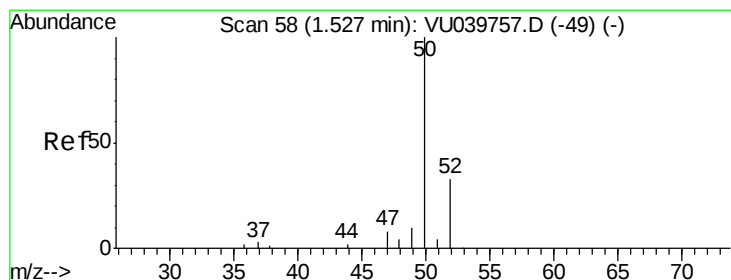
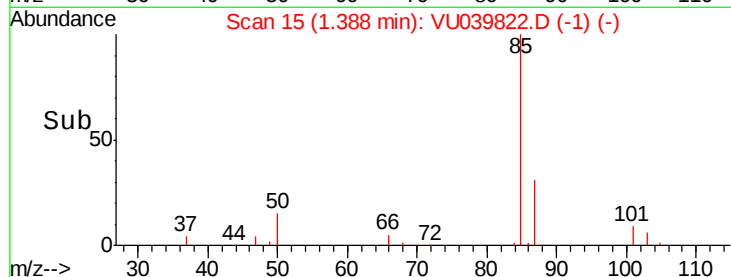
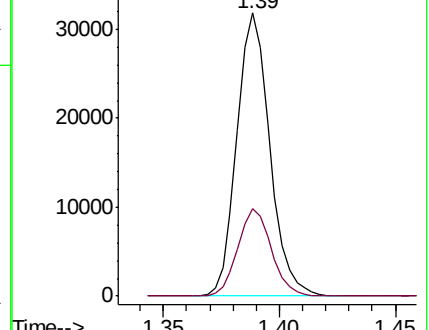
85 100

87 31.2 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU039757.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039757.D (-7) (-)



#3

Chloromethane

Concen: 4.519 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039822.D

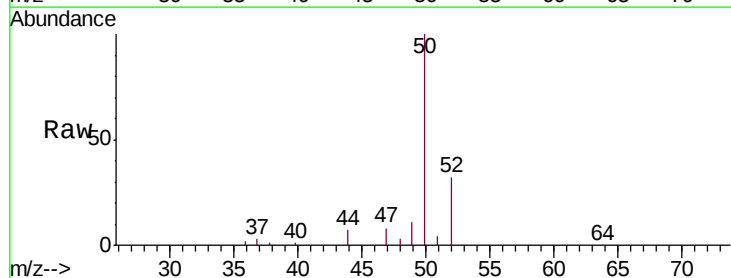
Acq: 10 Aug 2020 13:39

Tgt Ion: 50 Resp: 30761

Ion Ratio Lower Upper

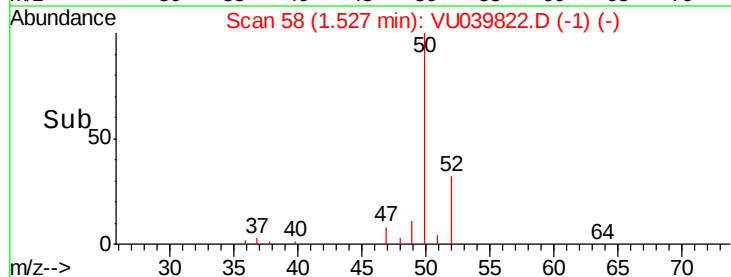
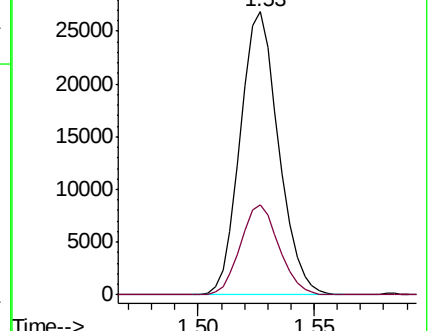
50 100

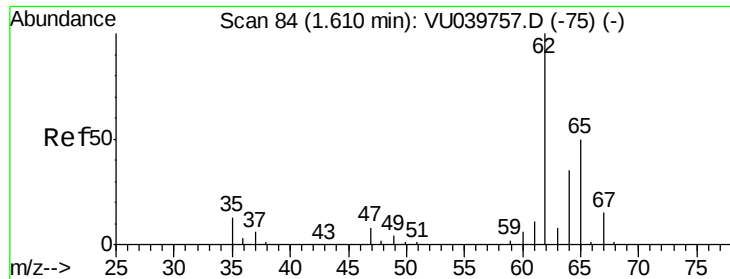
52 31.9 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU039757.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039757.D (-49) (-)





#5

Vinyl chloride

Concen: 4.867 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

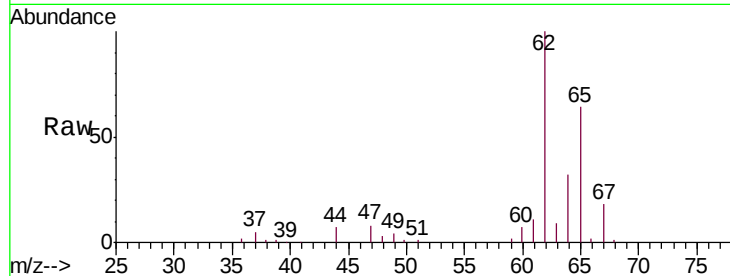
VSTD00517

Tgt Ion: 62 Resp: 31761

Ion Ratio Lower Upper

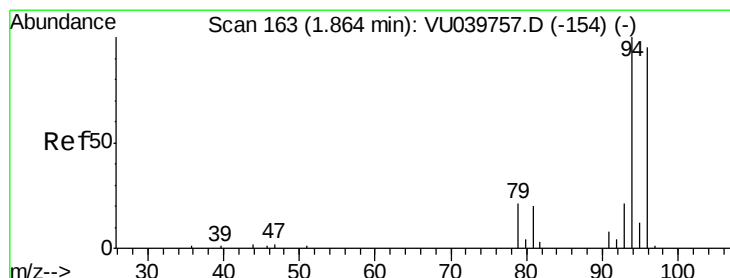
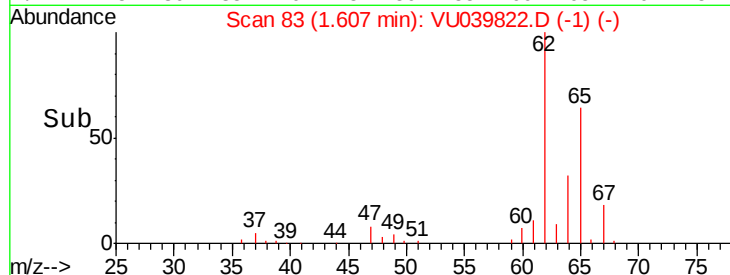
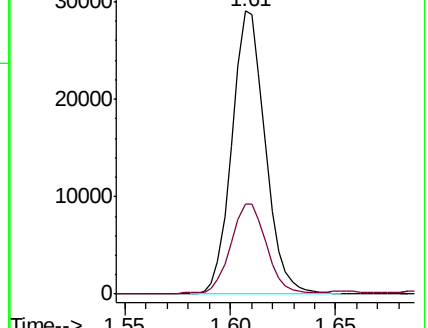
62 100

64 31.6 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039757.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039757.D (-75) (-)



#6

Bromomethane

Concen: 3.779 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039822.D

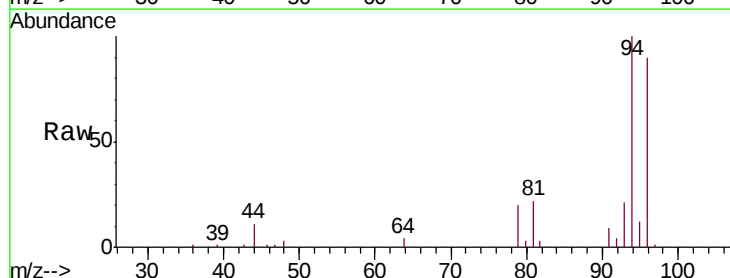
Acq: 10 Aug 2020 13:39

Tgt Ion: 94 Resp: 15604

Ion Ratio Lower Upper

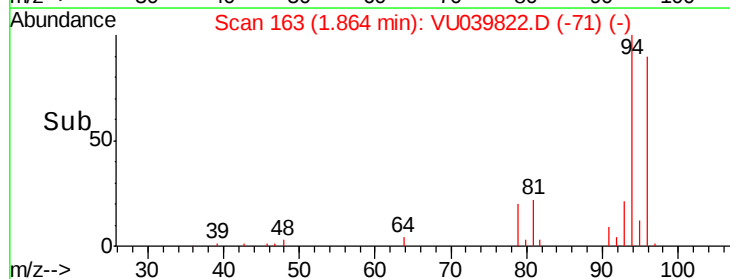
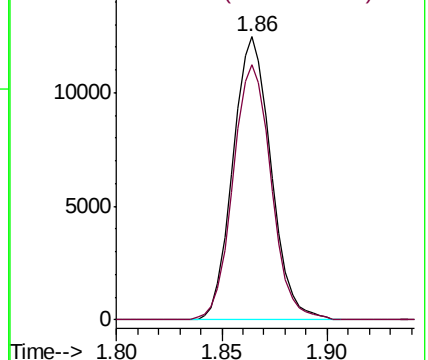
94 100

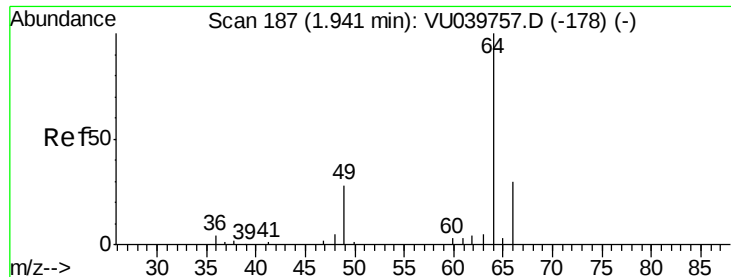
96 90.2 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU039757.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU039757.D (-154) (-)

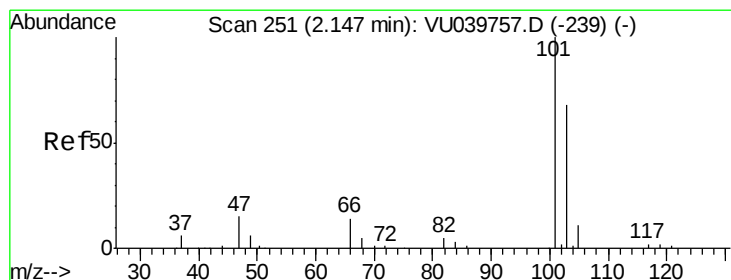
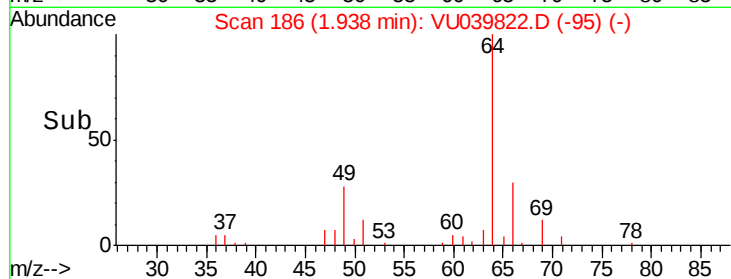
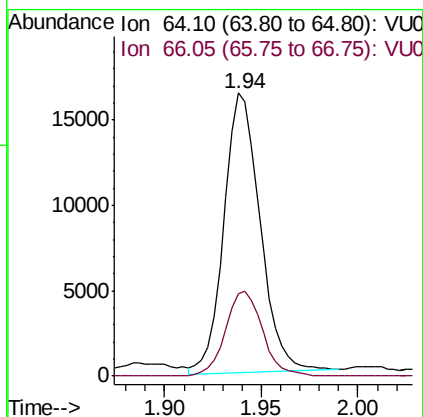
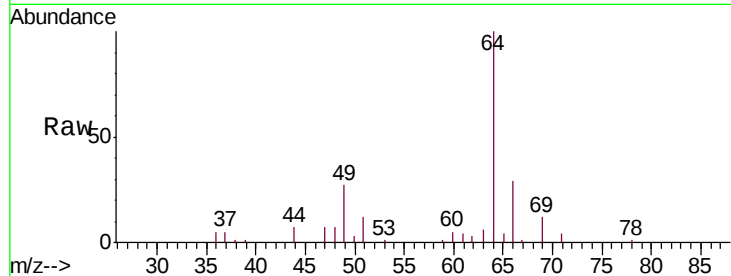




#8
Chloroethane
Concen: 4.431 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.01 min
Lab File: VU039822.D
Acq: 10 Aug 2020 13:39

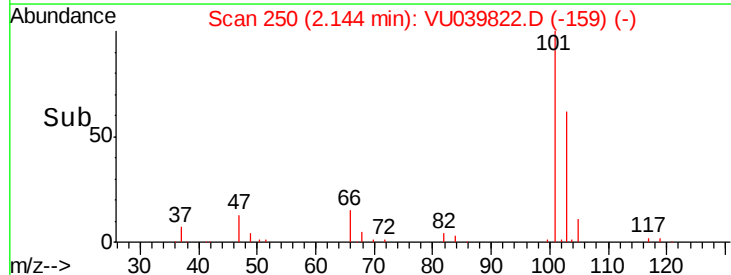
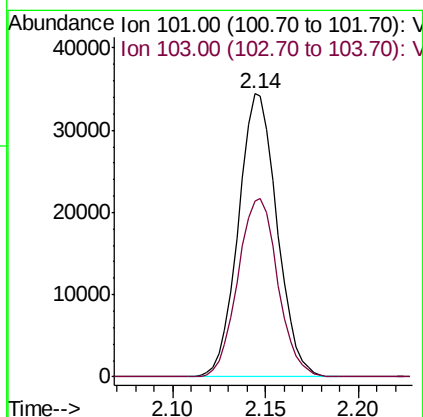
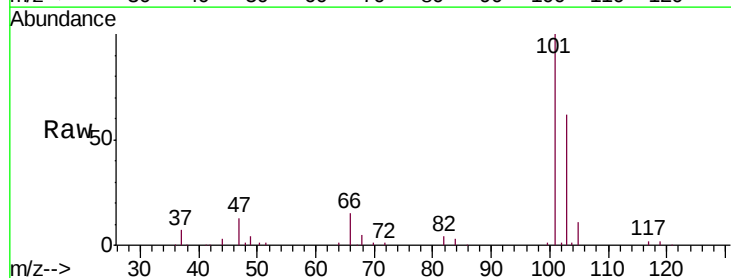
Instrument :
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VSTD00517

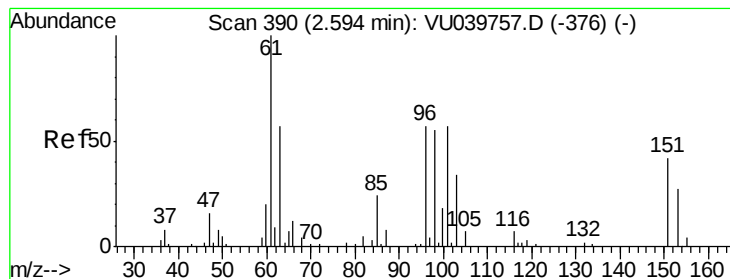
Tgt Ion: 64 Resp: 21202
Ion Ratio Lower Upper
64 100
66 29.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.905 ug/L
RT: 2.14 min Scan# 250
Delta R.T. -0.01 min
Lab File: VU039822.D
Acq: 10 Aug 2020 13:39

Tgt Ion: 101 Resp: 49782
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.2





#10

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

Concen: 5.060 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

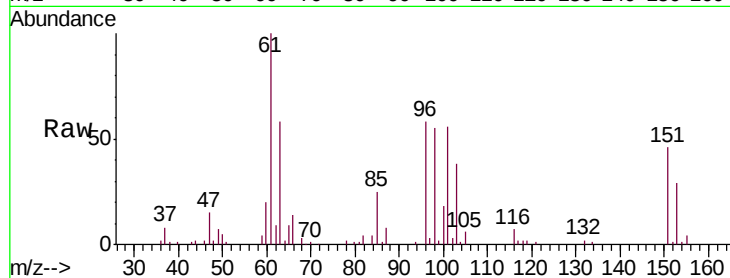
Tgt Ion:101 Resp: 27864

Ion Ratio Lower Upper

101 100

85 46.4 37.9 56.9

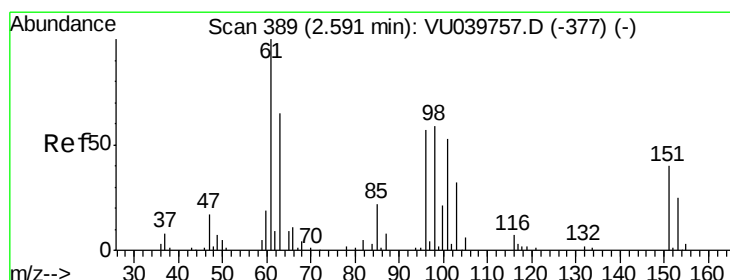
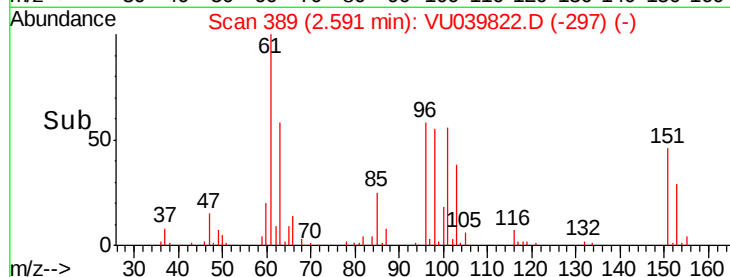
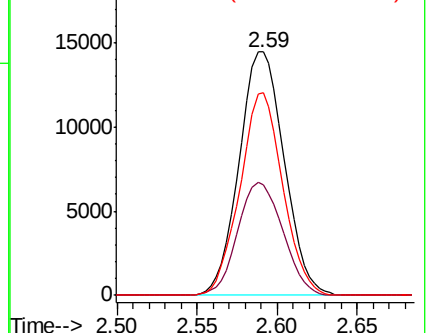
151 78.7 54.7 82.1



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: 5.107 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

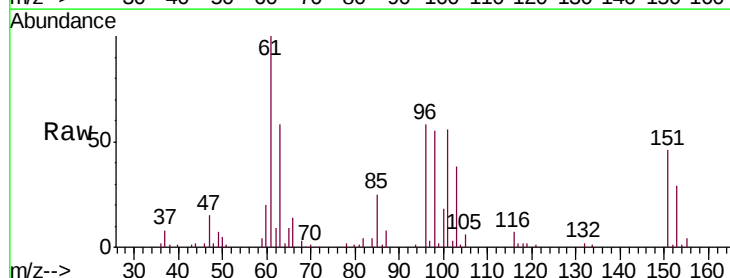
Tgt Ion: 96 Resp: 24449

Ion Ratio Lower Upper

96 100

61 172.1 121.7 225.9

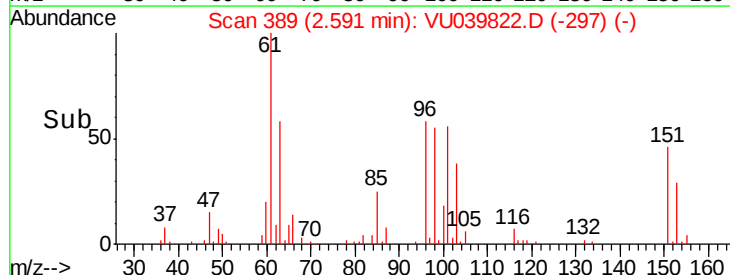
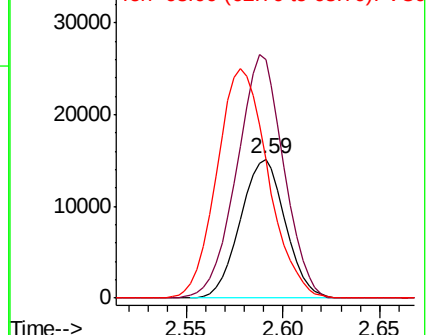
63 99.6 82.1 152.5

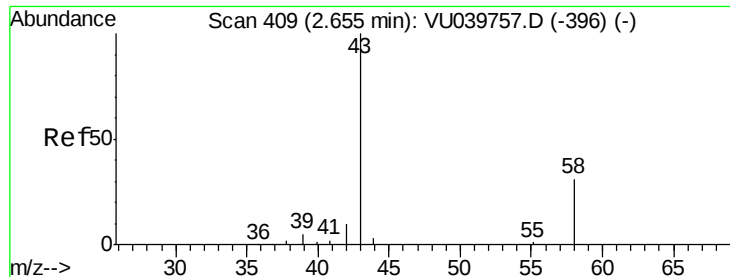


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.598 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.02 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

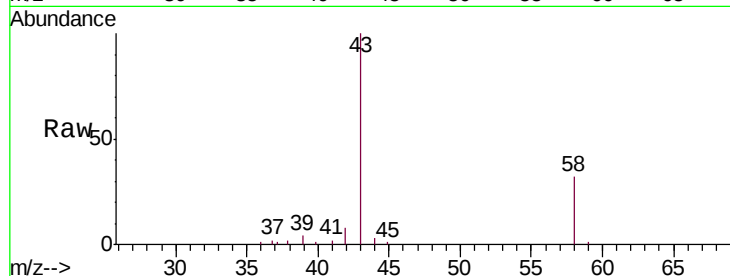
VSTD00517

Tgt Ion: 43 Resp: 52366

Ion Ratio Lower Upper

43 100

58 33.1 0.0 61.8



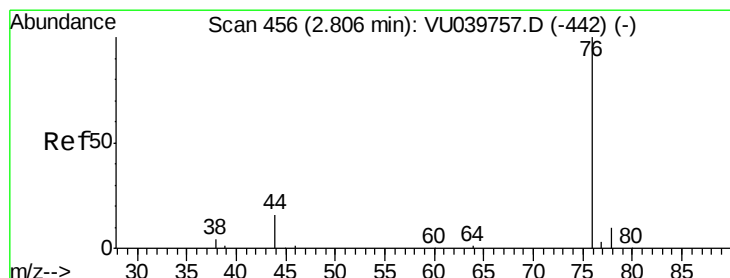
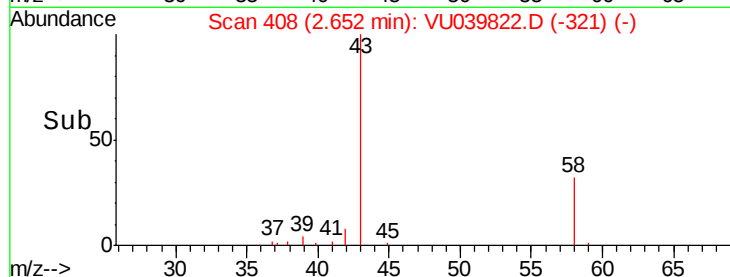
Abundance Ion 43.05 (42.75 to 43.75): VU039757.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU039757.D (-396) (-)

2.65

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 4.371 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU039822.D

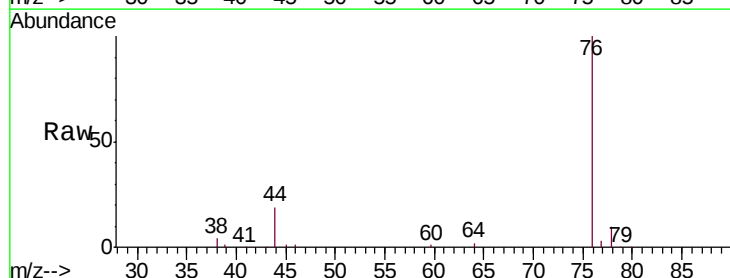
Acq: 10 Aug 2020 13:39

Tgt Ion: 76 Resp: 65435

Ion Ratio Lower Upper

76 100

78 9.9 7.8 11.6



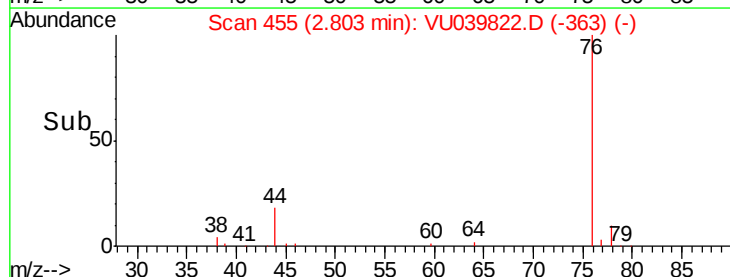
Abundance Ion 76.05 (75.75 to 76.75): VU039757.D (-442) (-)

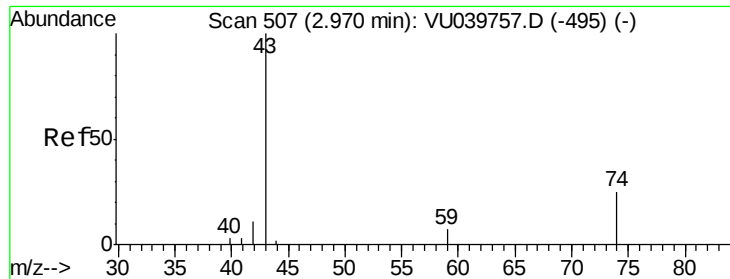
Ion 78.00 (77.70 to 78.70): VU039757.D (-442) (-)

2.80

2.75 2.85

Time-->





#15

Methyl Acetate

Concen: 4.666 ug/L

RT: 2.96 min Scan# 505

Delta R.T. -0.01 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

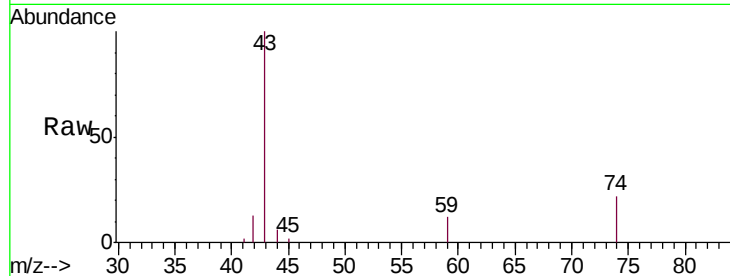
VSTD00517

Tgt Ion: 43 Resp: 12931

Ion Ratio Lower Upper

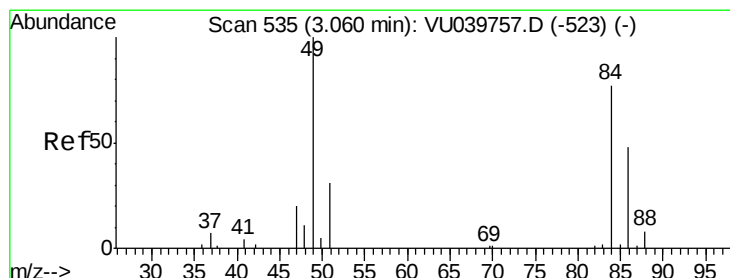
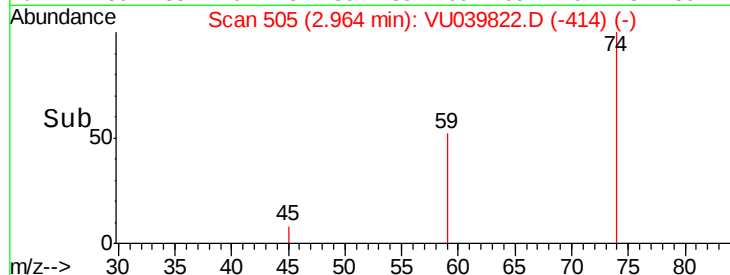
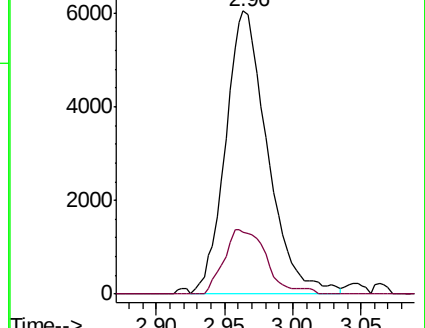
43 100

74 22.4 16.6 25.0



Abundance Ion 43.05 (42.75 to 43.75): VU039757.D (-495) (-)

Ion 74.05 (73.75 to 74.75): VU039757.D (-495) (-)



#16

Methylene chloride

Concen: 4.274 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.01 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

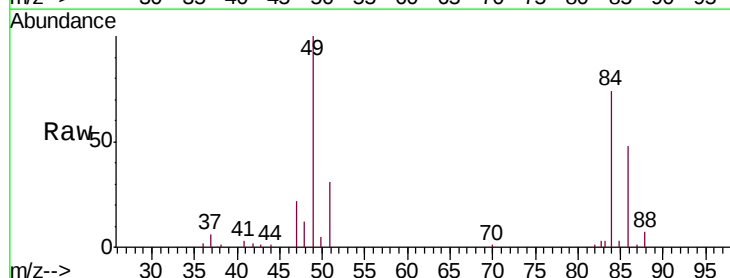
Tgt Ion: 84 Resp: 32991

Ion Ratio Lower Upper

84 100

86 65.0 43.9 81.5

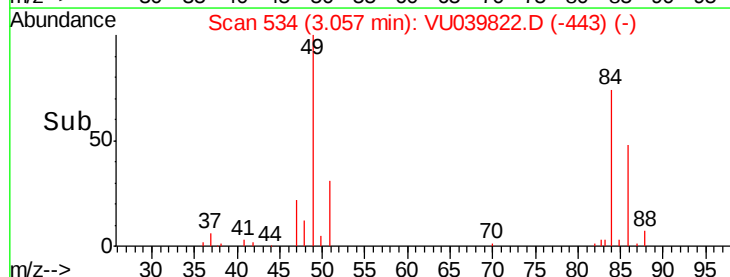
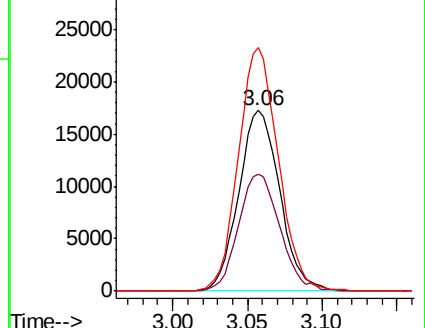
49 135.0 94.4 175.4

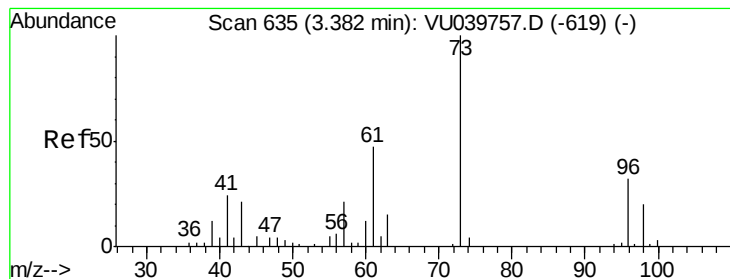


Abundance Ion 84.05 (83.75 to 84.75): VU039757.D (-523) (-)

Ion 86.00 (85.70 to 86.70): VU039757.D (-523) (-)

Ion 49.10 (48.80 to 49.80): VU039757.D (-523) (-)





#17

Methyl tert-butyl Ether

Concen: 4.953 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

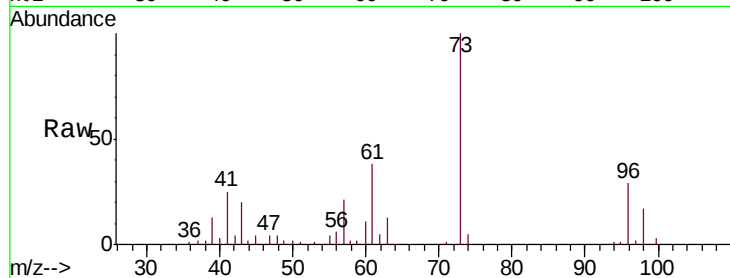
Tgt Ion: 73 Resp: 62973

Ion Ratio Lower Upper

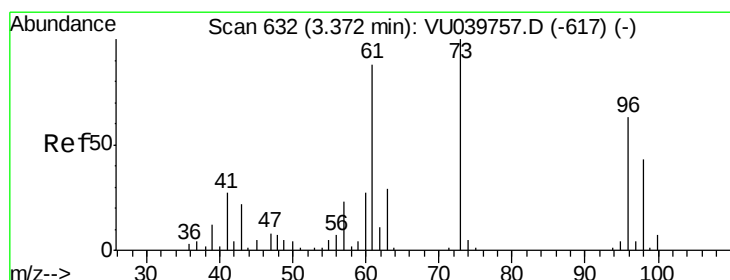
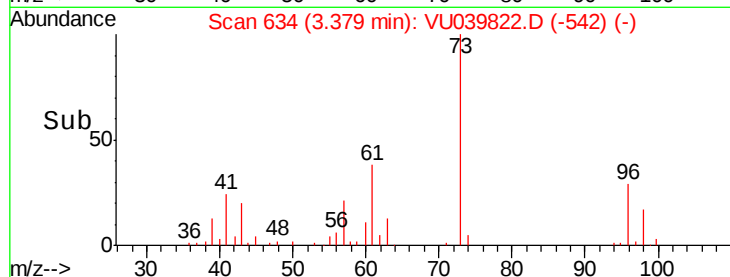
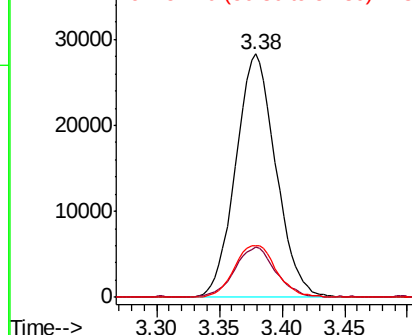
73 100

43 21.2 18.2 27.4

57 22.3 17.8 26.8



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: 4.733 ug/L

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

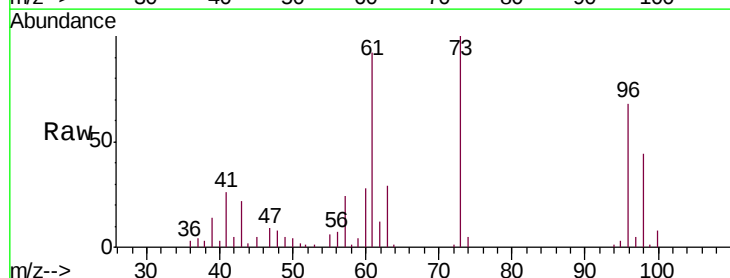
Tgt Ion: 96 Resp: 25230

Ion Ratio Lower Upper

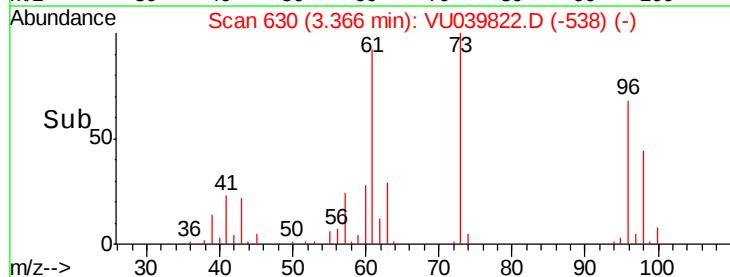
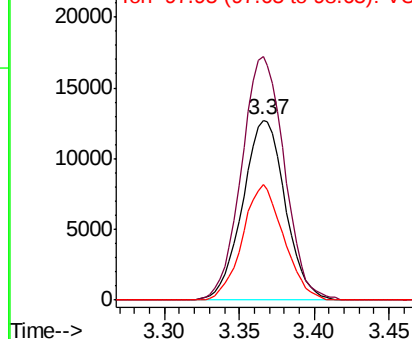
96 100

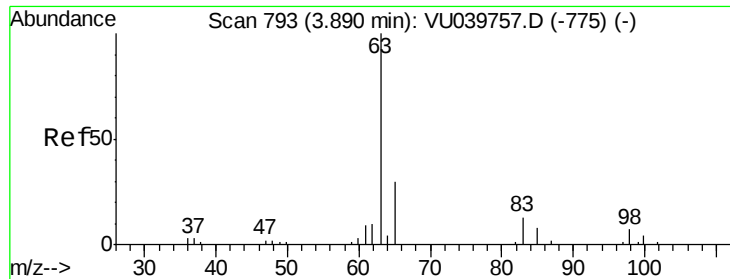
61 135.4 96.5 179.1

98 64.0 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

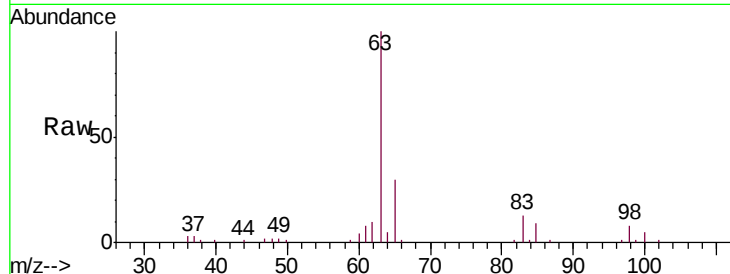




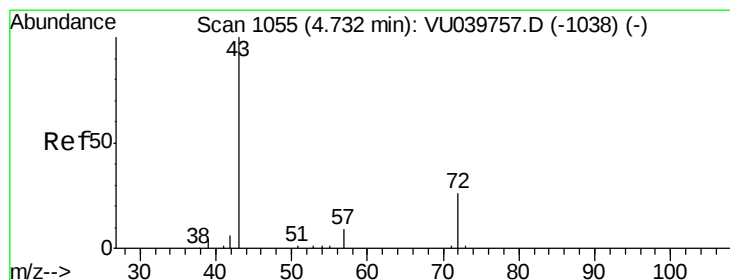
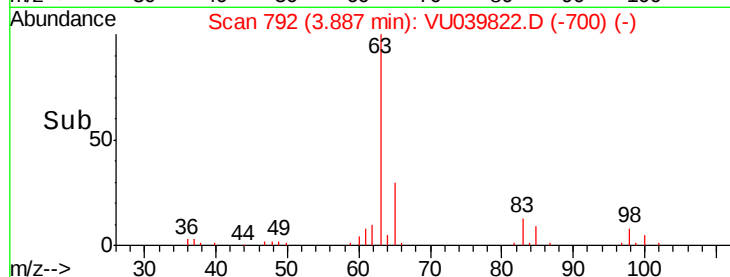
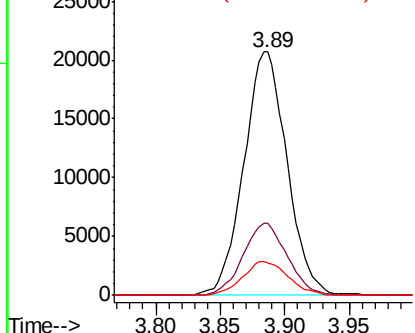
#19
 1,1-Dichloroethane
 Concen: 4.896 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion: 63 Resp: 48177
 Ion Ratio Lower Upper
 63 100
 65 29.6 22.0 41.0
 83 13.2 10.9 20.2

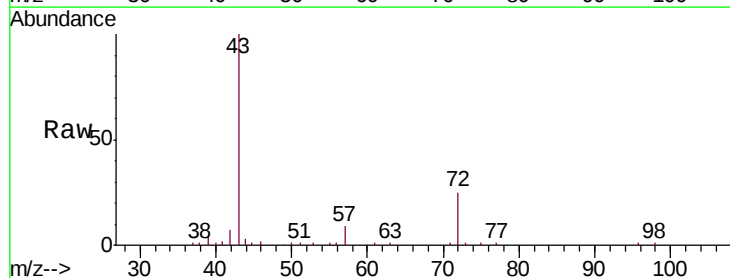


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

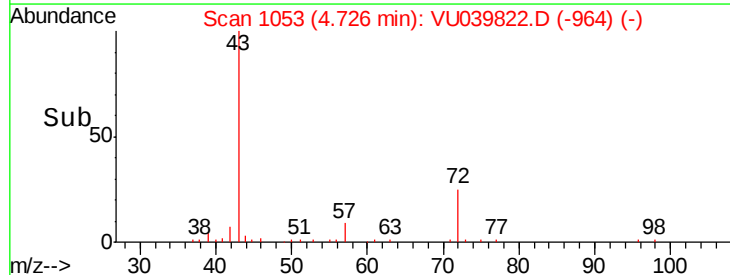
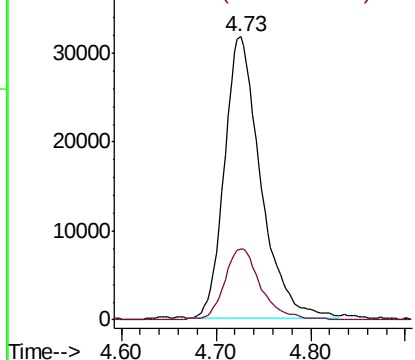


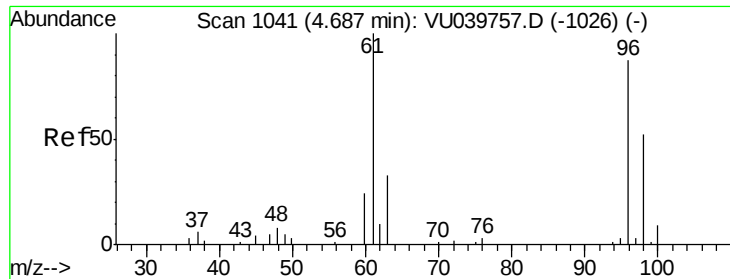
#21
 2-Butanone
 Concen: 47.489 ug/L
 RT: 4.73 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

Tgt Ion: 43 Resp: 84102
 Ion Ratio Lower Upper
 43 100
 72 24.0 13.0 39.0



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

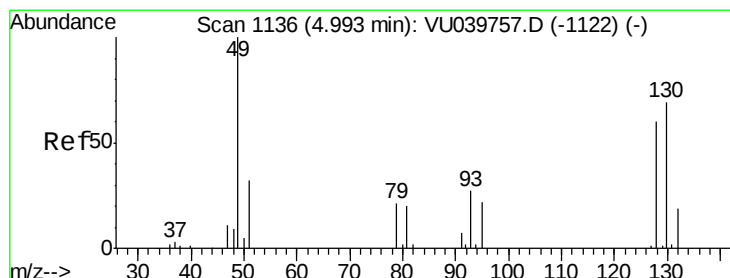
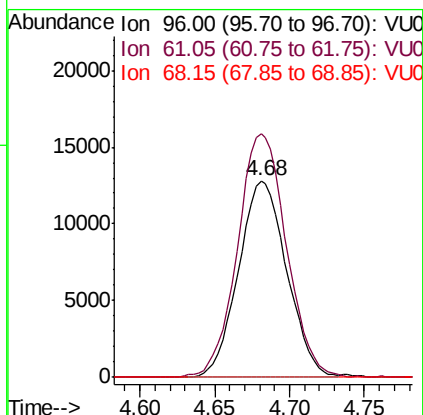
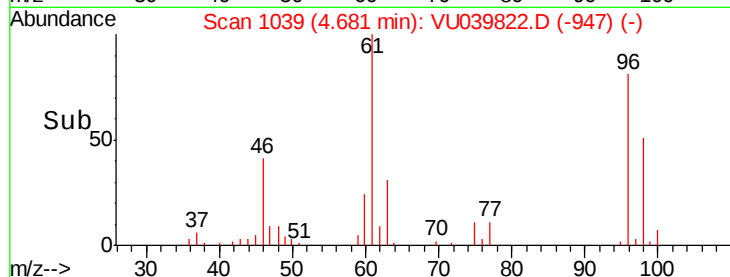
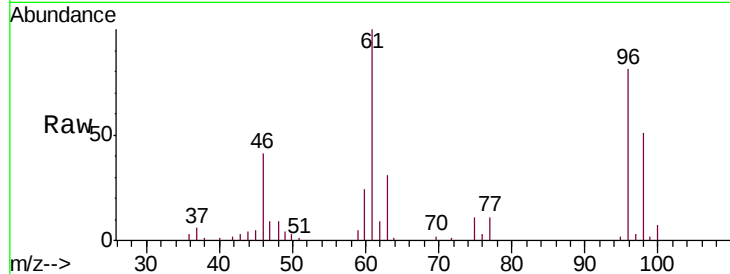




#22
 cis-1,2-Dichloroethene
 Concen: 4.949 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

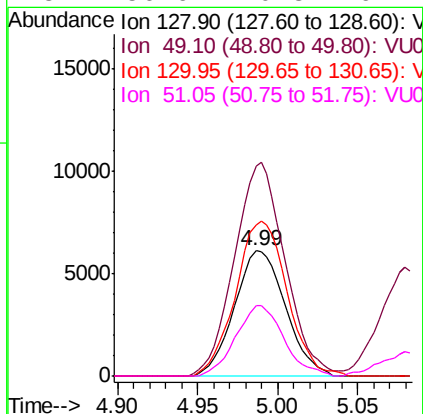
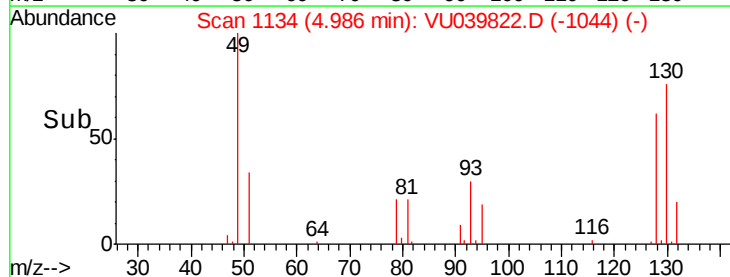
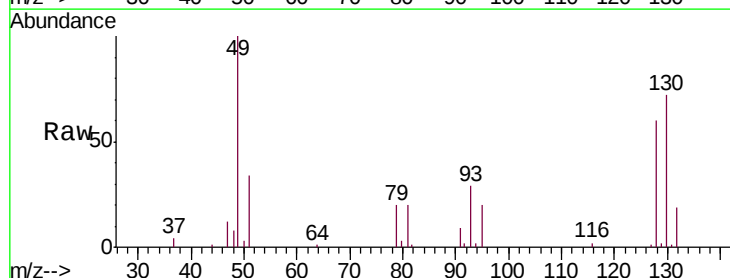
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

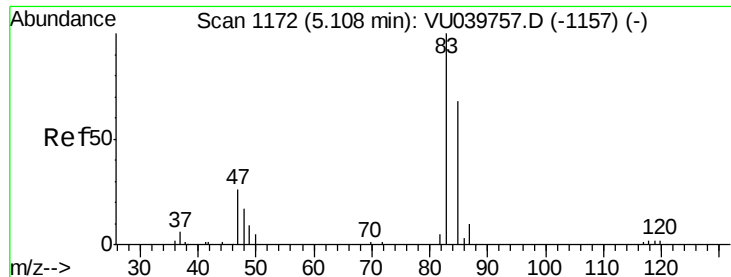
Tgt Ion: 96 Resp: 28693
 Ion Ratio Lower Upper
 96 100
 61 123.7 87.4 162.2
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.894 ug/L
 RT: 4.99 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

Tgt Ion: 128 Resp: 13327
 Ion Ratio Lower Upper
 128 100
 49 167.9 110.3 204.9
 130 121.3 82.0 152.4
 51 56.6 40.8 61.2

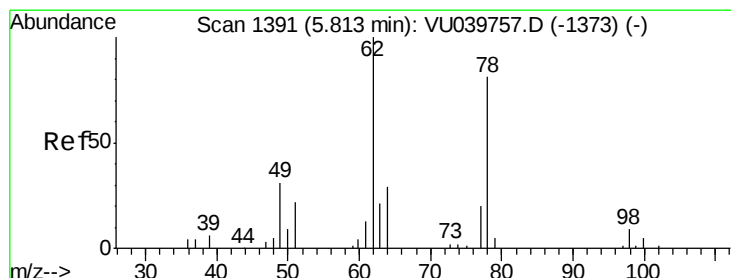
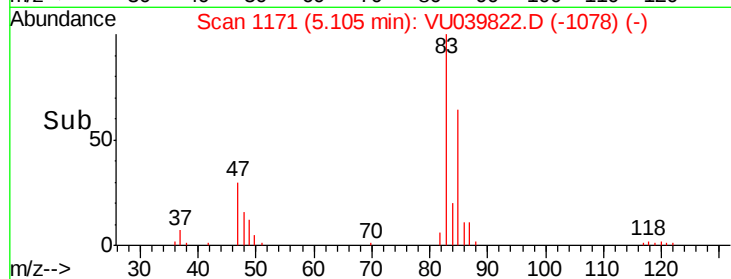
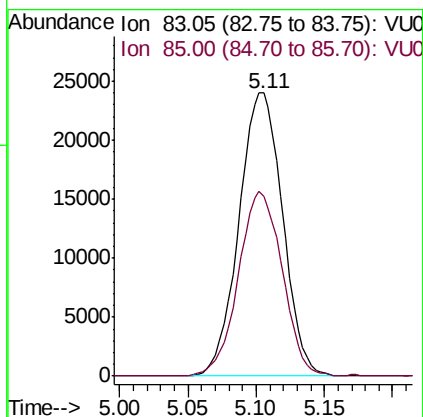
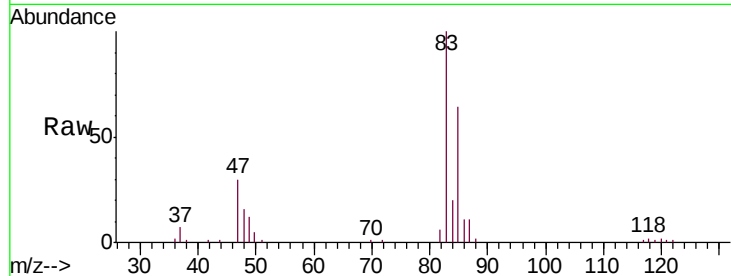




#25
Chloroform
Concen: 5.044 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU039822.D
Acq: 10 Aug 2020 13:39

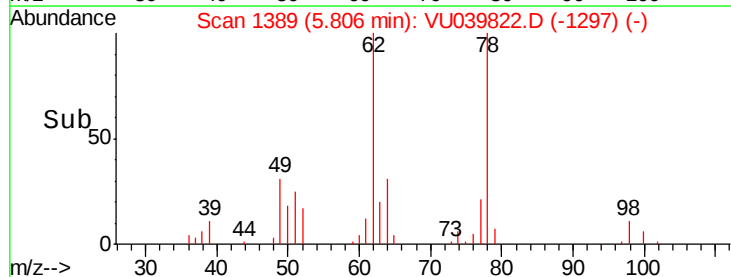
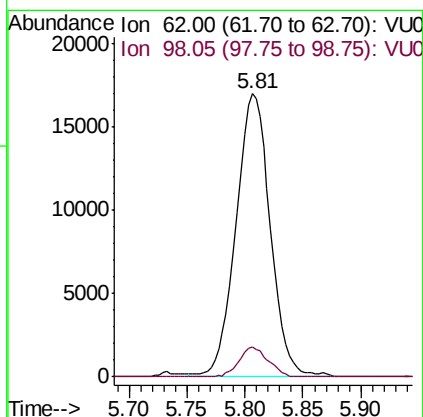
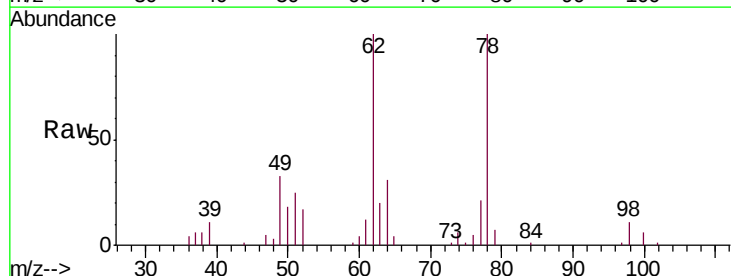
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

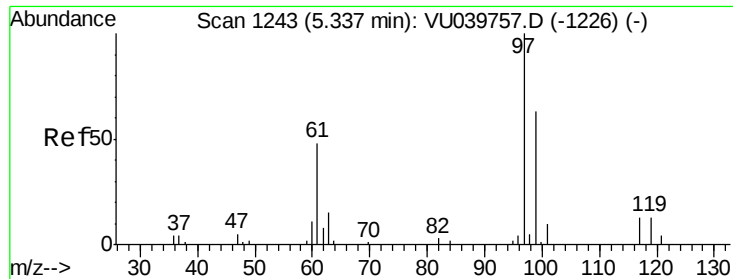
Tgt Ion: 83 Resp: 53360
Ion Ratio Lower Upper
83 100
85 63.7 42.1 78.3



#27
1,2-Dichloroethane
Concen: 4.787 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU039822.D
Acq: 10 Aug 2020 13:39

Tgt Ion: 62 Resp: 34894
Ion Ratio Lower Upper
62 100
98 10.6 7.3 10.9

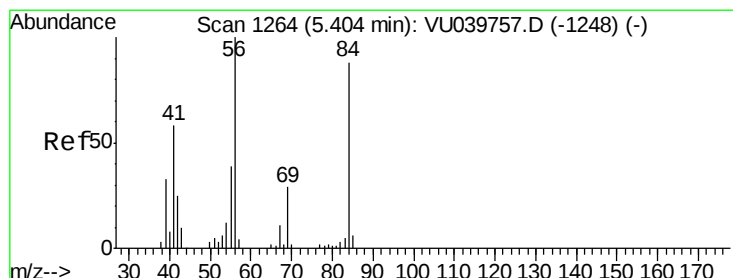
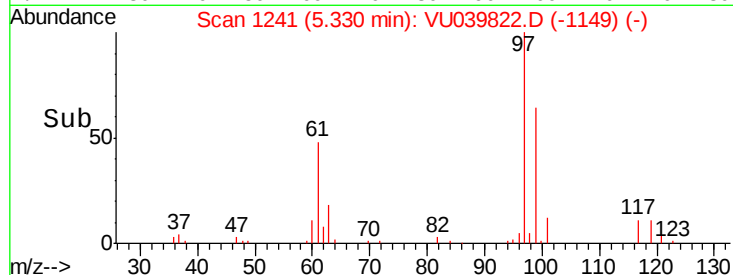
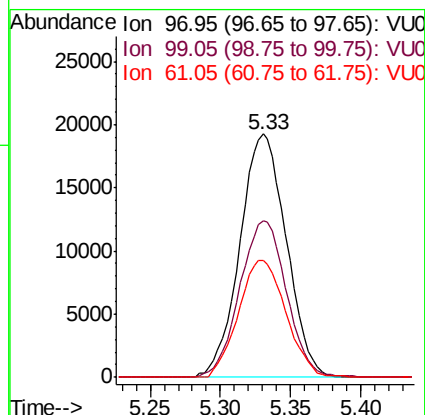
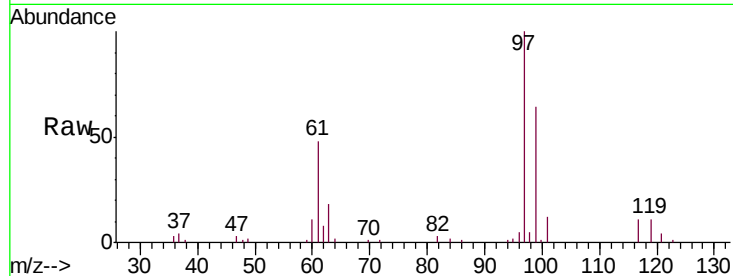




#29
 1,1,1-Trichloroethane
 Concen: 5.186 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

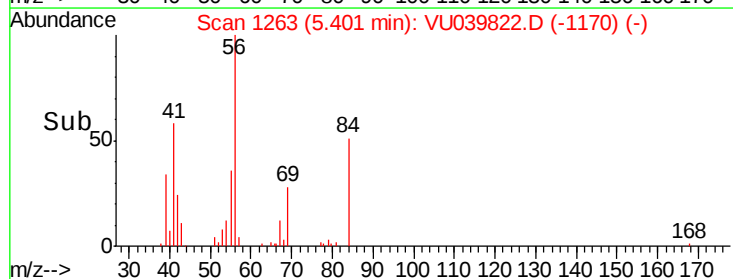
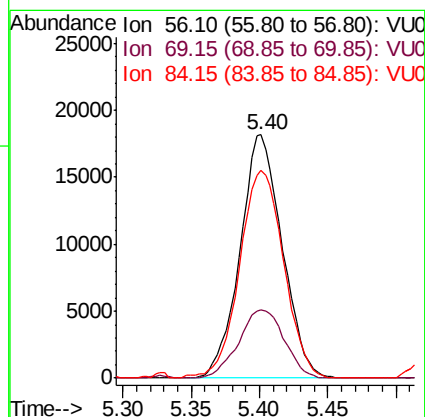
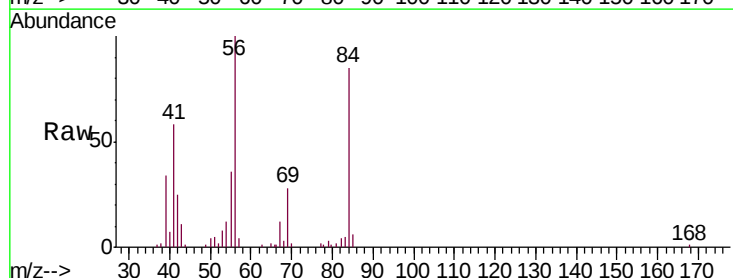
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

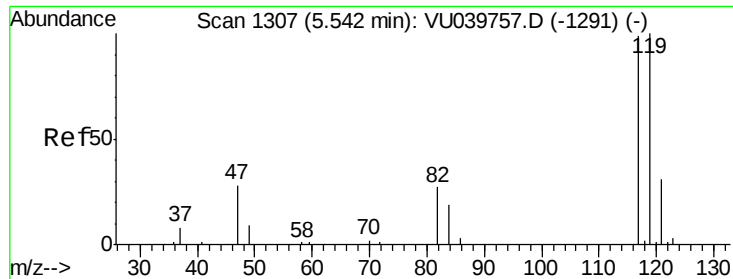
Tgt Ion: 97 Resp: 44297
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.8 79.2
 61 49.0 40.5 60.7



#30
 Cyclohexane
 Concen: 4.734 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

Tgt Ion: 56 Resp: 38908
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.4 36.6
 84 89.6 71.3 106.9

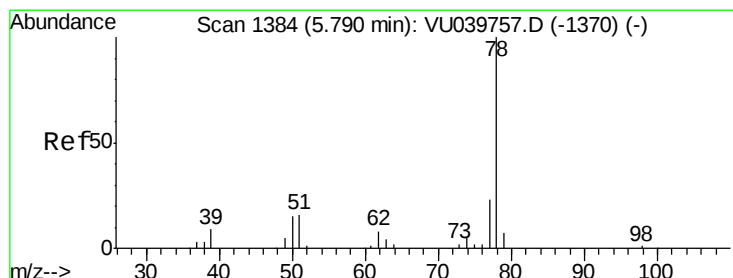
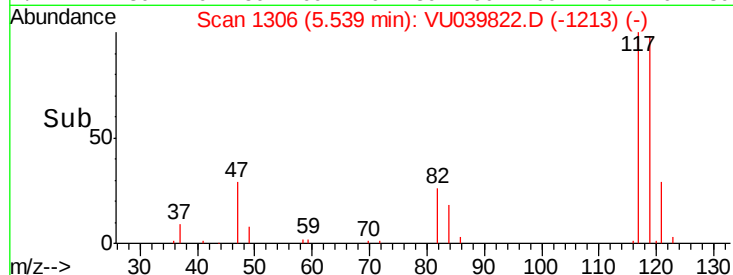
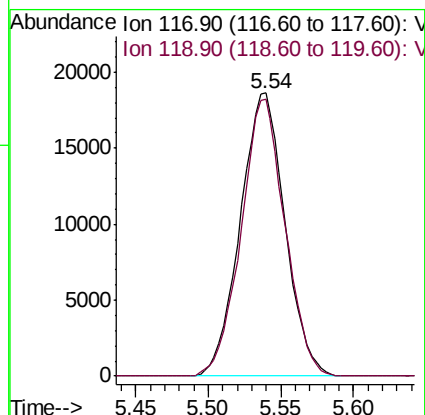
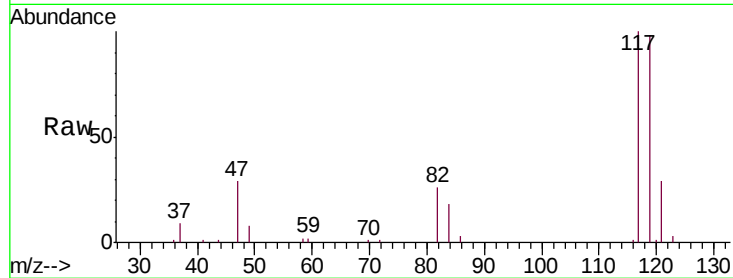




#31
Carbon tetrachloride
Concen: 5.095 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU039822.D
Acq: 10 Aug 2020 13:39

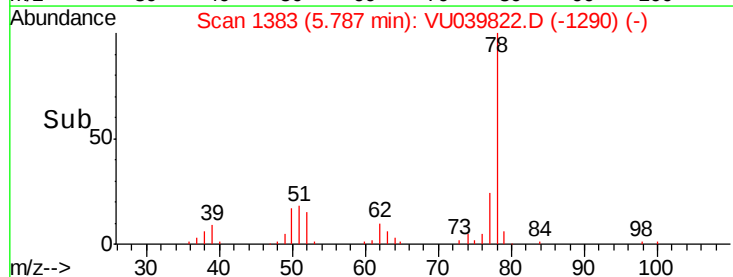
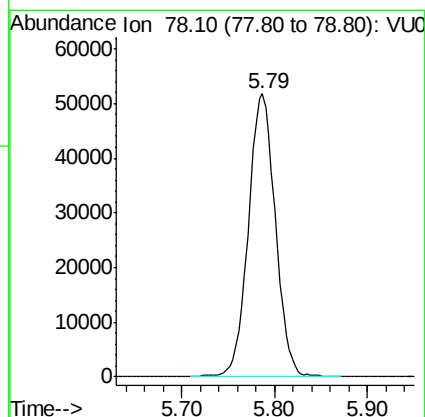
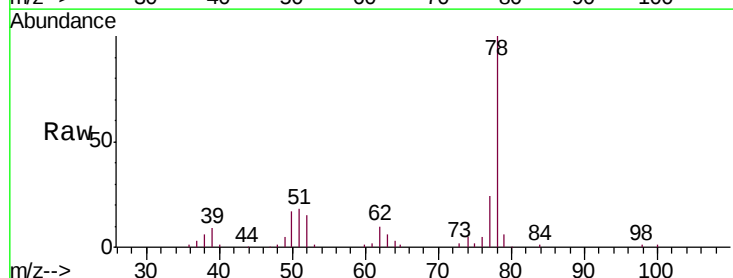
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

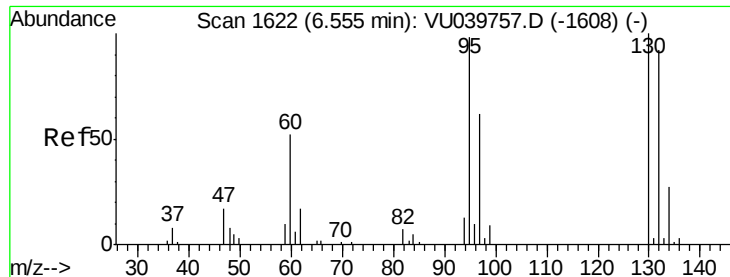
Tgt Ion:117 Resp: 39930
Ion Ratio Lower Upper
117 100
119 95.8 75.5 113.3



#33
Benzene
Concen: 5.020 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU039822.D
Acq: 10 Aug 2020 13:39

Tgt Ion: 78 Resp: 104735





#34

Trichloroethene

Concen: 4.986 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

Tgt Ion: 95 Resp: 27014

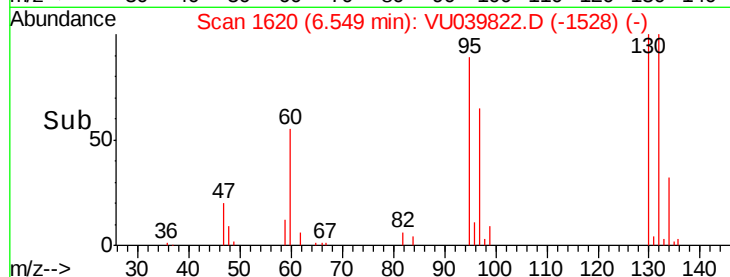
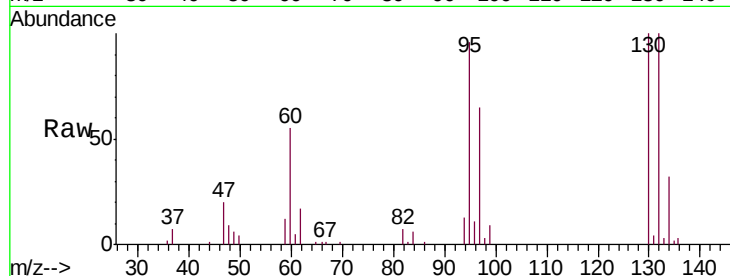
Ion Ratio Lower Upper

95 100

97 67.4 44.0 81.8

132 103.8 71.7 133.3

130 103.6 71.1 132.1

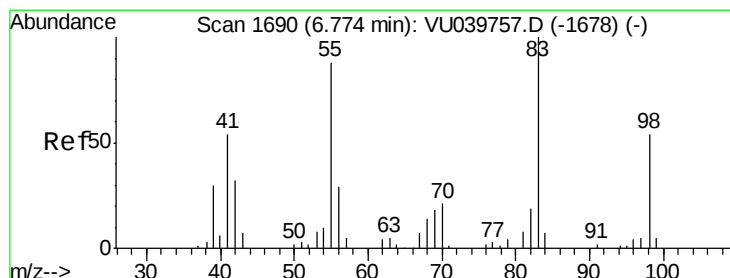
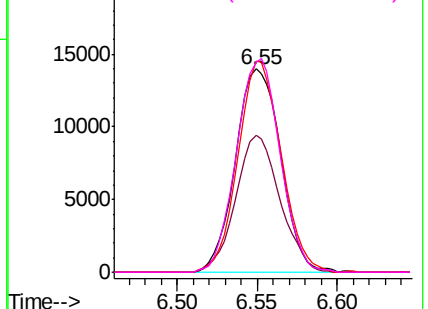


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.635 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

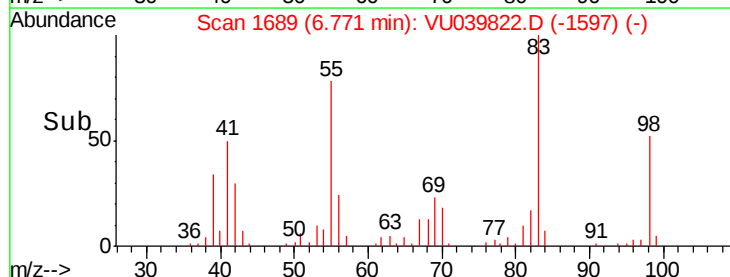
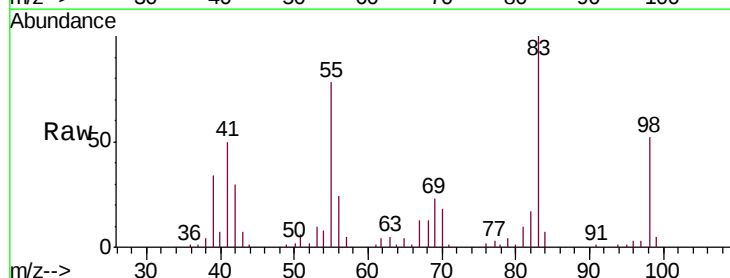
Tgt Ion: 83 Resp: 40083

Ion Ratio Lower Upper

83 100

55 78.0 59.4 89.0

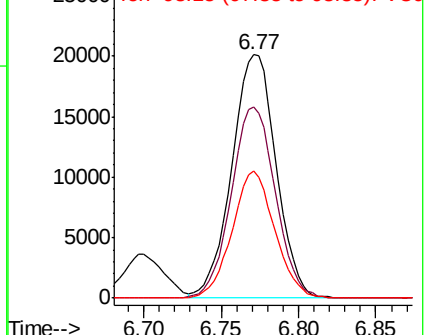
98 50.1 39.0 58.4

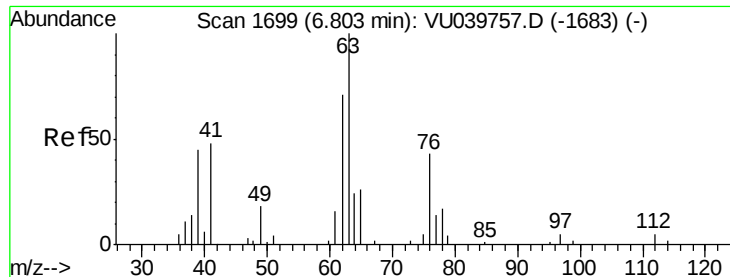


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.888 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

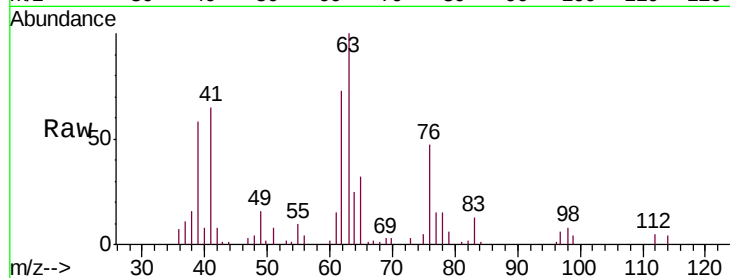
VSTD00517

Tgt Ion: 63 Resp: 27083

Ion Ratio Lower Upper

63 100

112 4.3 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VU039757.D (-1683) (-)

Ion 112.10 (111.80 to 112.80): VU039757.D (-1683) (-)

6.80

15000

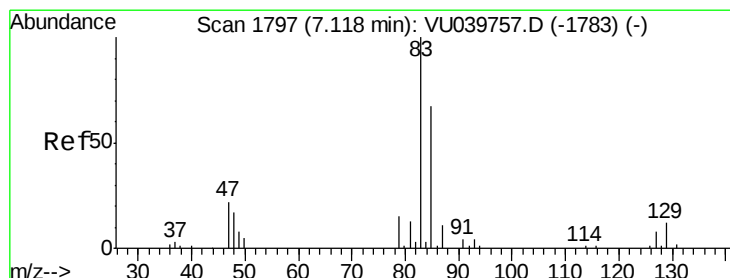
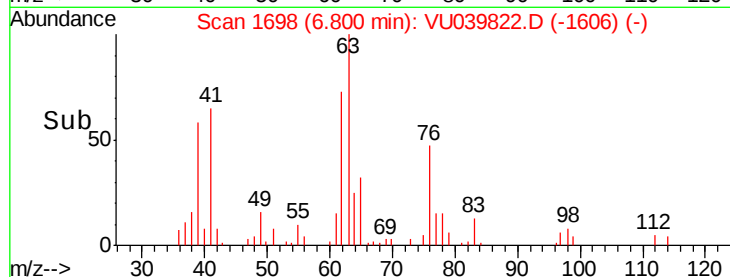
10000

5000

0

6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 5.164 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

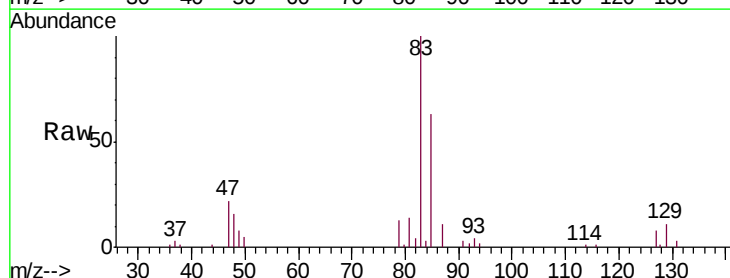
Tgt Ion: 83 Resp: 37434

Ion Ratio Lower Upper

83 100

85 63.2 45.3 84.1

127 8.3 7.5 11.3



Abundance Ion 82.95 (82.65 to 83.65): VU039757.D (-1783) (-)

Ion 85.00 (84.70 to 85.70): VU039757.D (-1783) (-)

Ion 126.90 (126.60 to 127.60): VU039757.D (-1783) (-)

7.11

25000

20000

15000

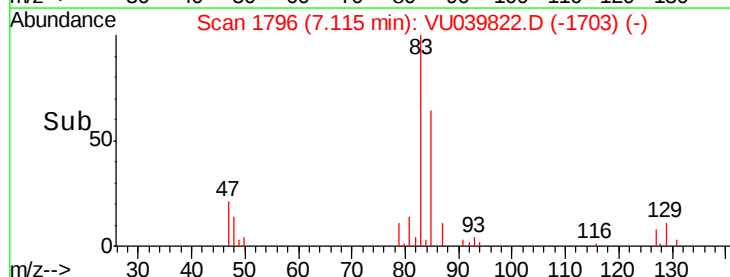
10000

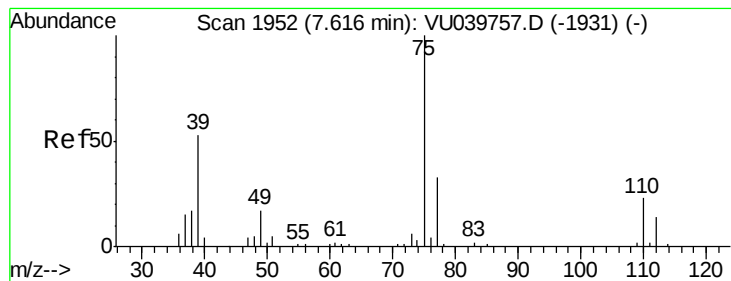
5000

0

7.05 7.10 7.15 7.20

Time-->



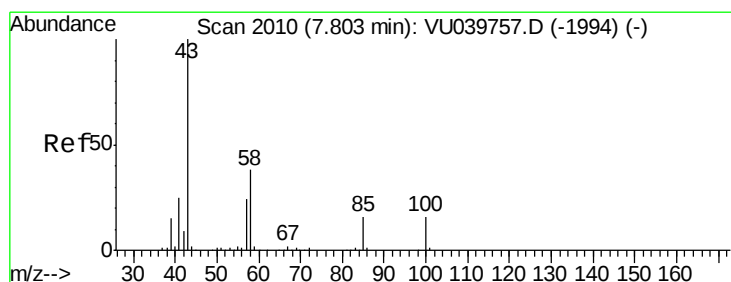
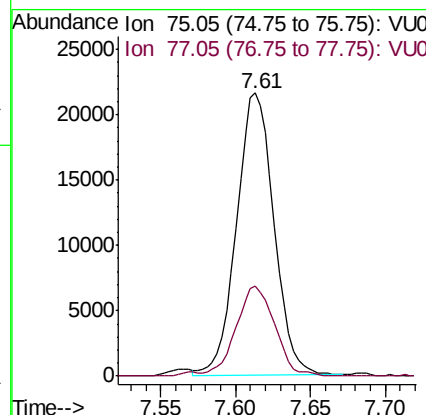
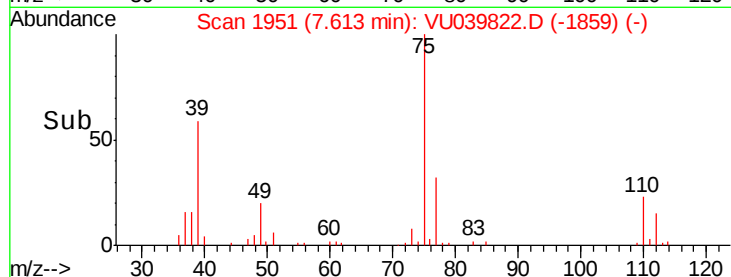
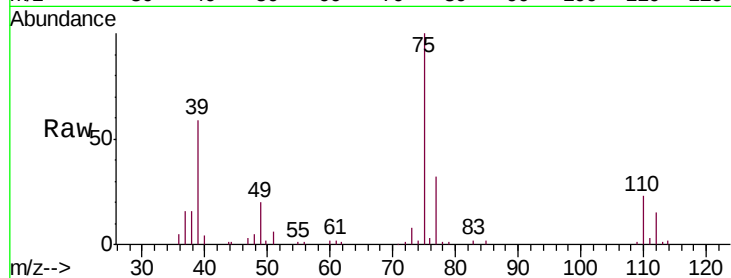


#39

cis-1,3-Dichloropropene
 Concen: 4.971 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

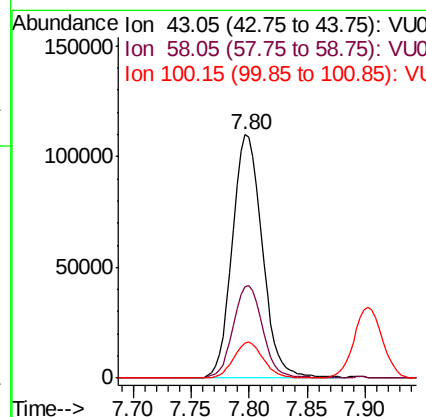
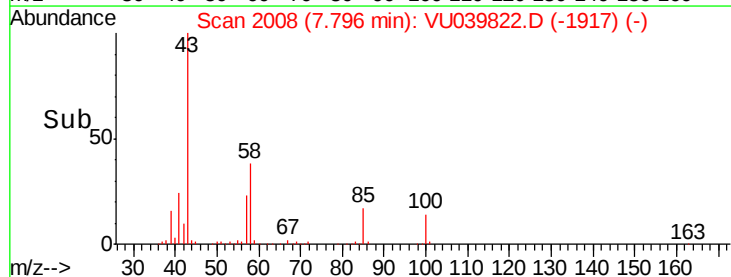
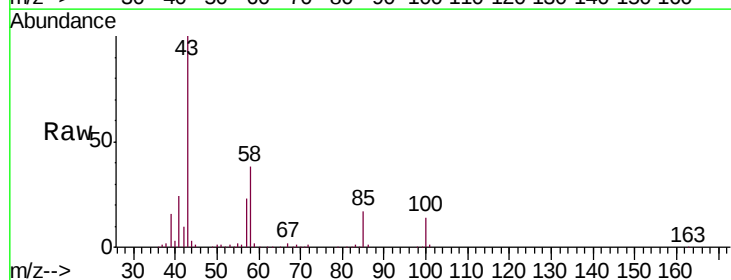
Tgt Ion: 75 Resp: 37564
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.4 41.6

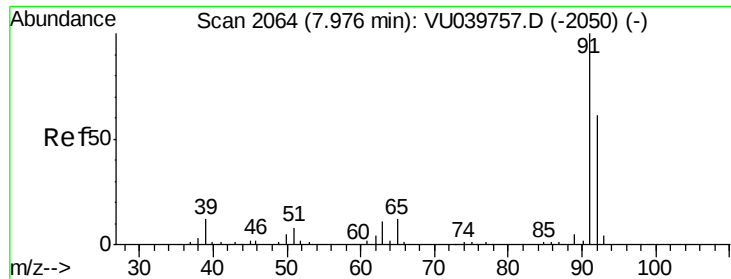


#40

4-Methyl-2-pentanone
 Concen: 47.491 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

Tgt Ion: 43 Resp: 196647
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.4 44.2
 100 14.5 11.7 17.5





#42

Toluene

Concen: 4.994 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

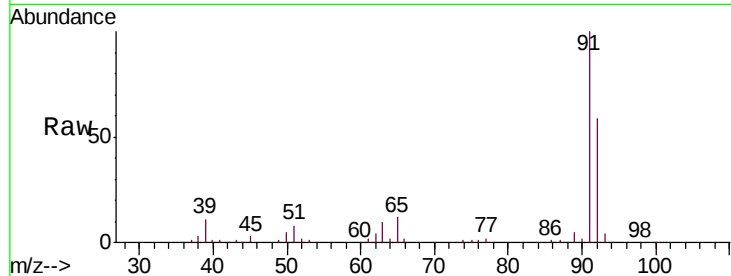
VSTD00517

Tgt Ion: 91 Resp: 109488

Ion Ratio Lower Upper

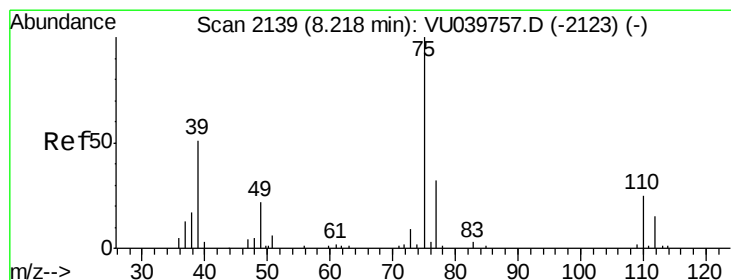
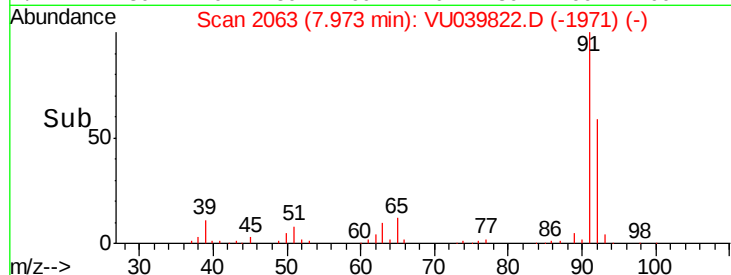
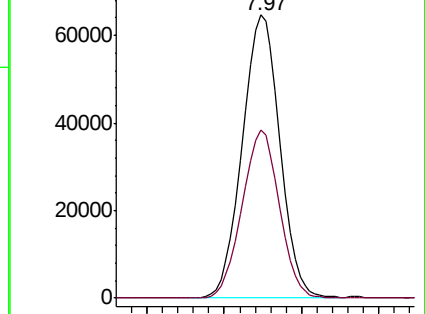
91 100

92 59.3 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039757.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039757.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.077 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU039822.D

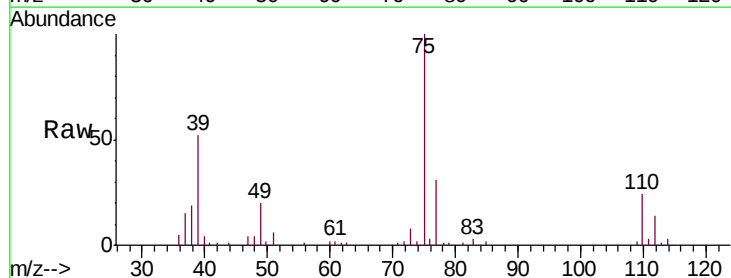
Acq: 10 Aug 2020 13:39

Tgt Ion: 75 Resp: 34567

Ion Ratio Lower Upper

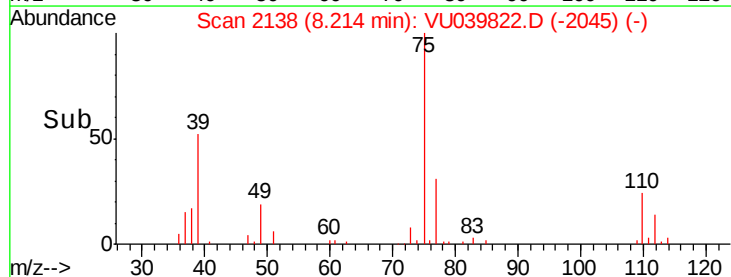
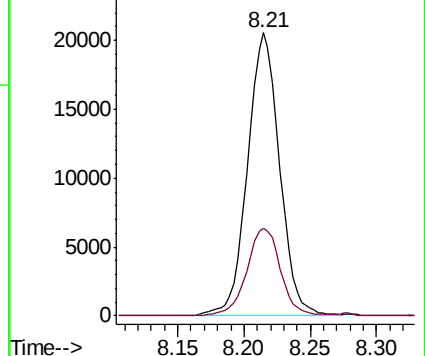
75 100

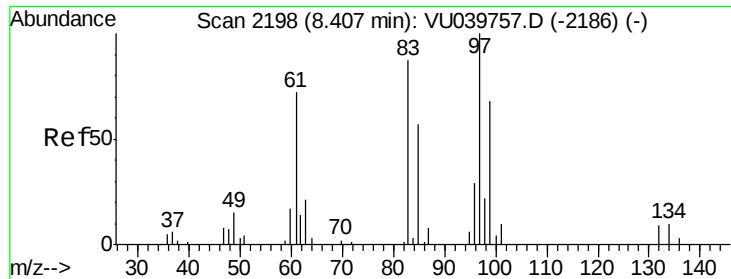
77 30.8 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU039757.D (-2123) (-)

Ion 77.05 (76.75 to 77.75): VU039757.D (-2123) (-)

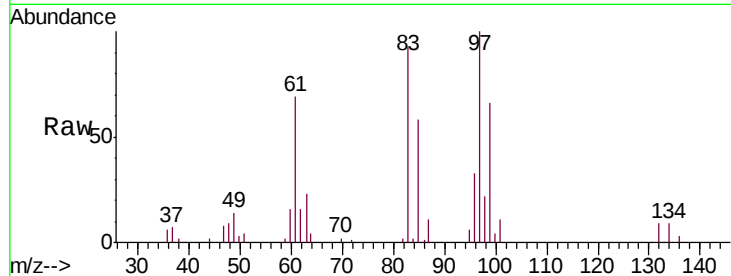




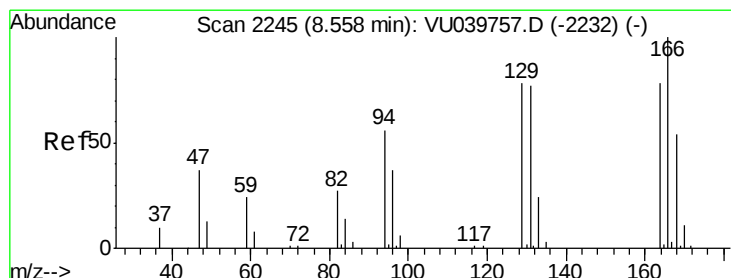
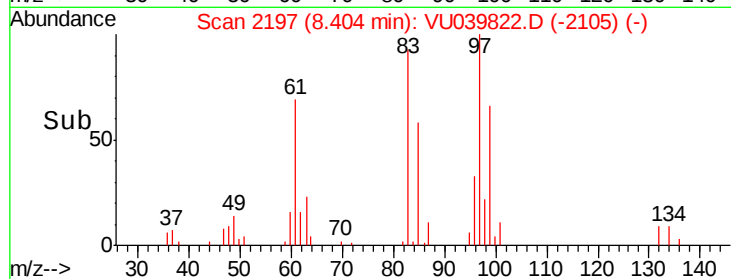
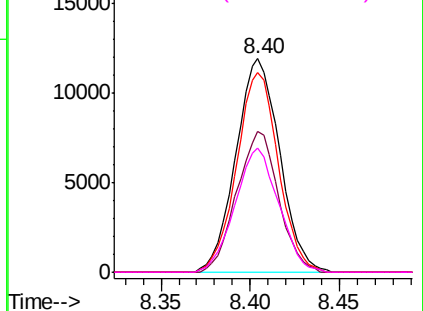
#45
 1,1,2-Trichloroethane
 Concen: 4.886 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion:	97	Resp:	20366
Ion	Ratio	Lower	Upper
97	100		
99	66.1	42.0	78.0
83	93.4	55.2	102.4
85	57.9	37.0	68.6

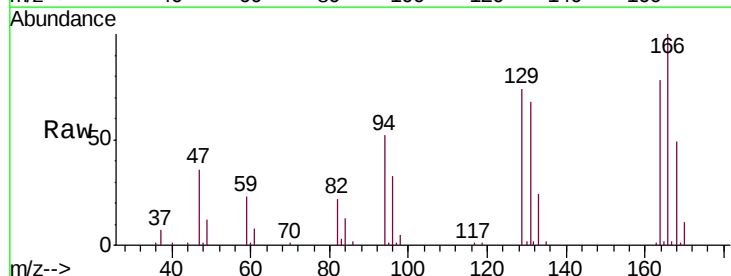


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

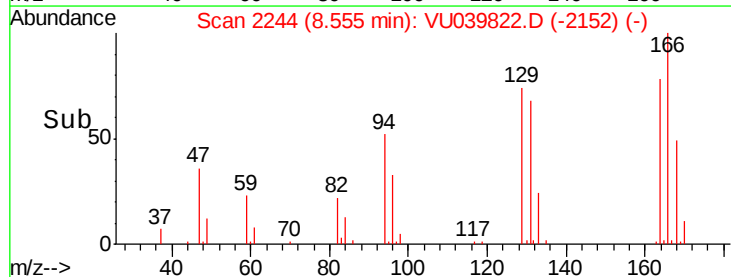
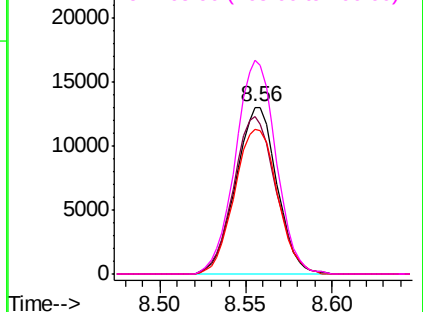


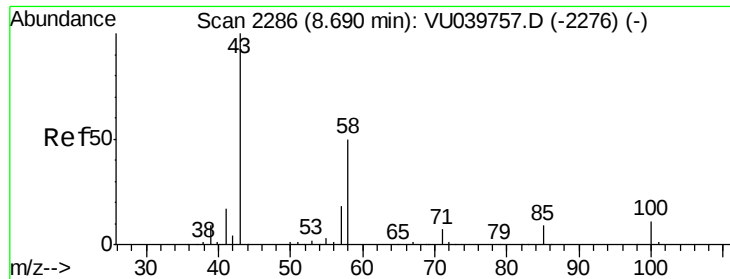
#47
 Tetrachloroethene
 Concen: 4.858 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

Tgt Ion:	164	Resp:	21714
Ion	Ratio	Lower	Upper
164	100		
129	94.7	65.9	122.5
131	87.1	68.1	126.5
166	128.1	84.5	156.9



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

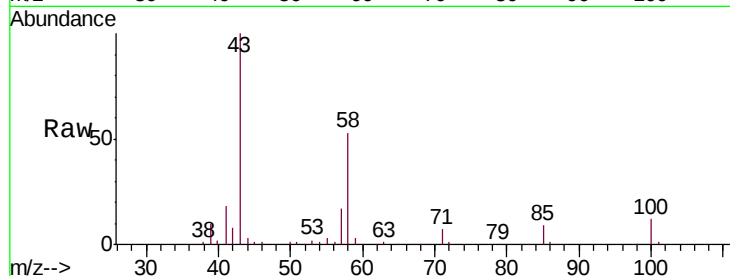




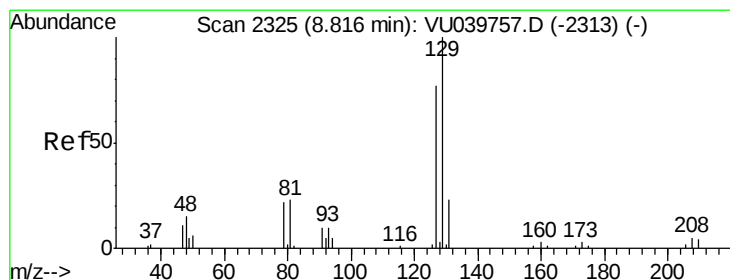
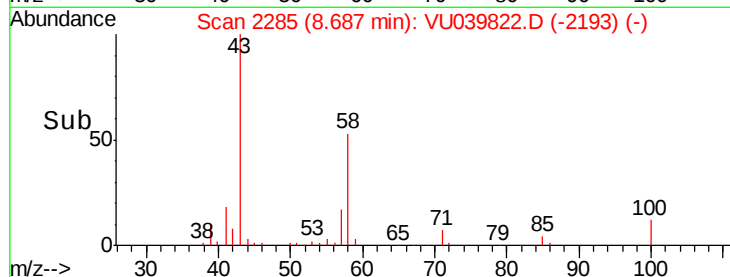
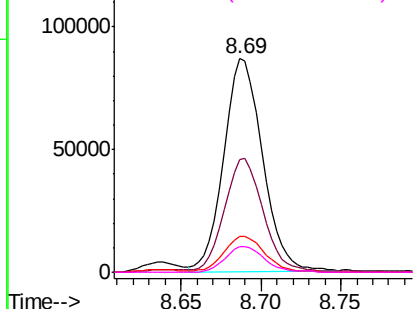
#48
2-Hexanone
Concen: 47.941 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU039822.D
Acq: 10 Aug 2020 13:39

Instrument :
MSVOA_U
ClientSampled :
VSTD00517

Tgt Ion:	43	Resp:	143347
Ion	Ratio	Lower	Upper
43	100		
58	53.5	41.8	62.8
57	18.2	14.2	21.4
100	12.1	9.4	14.2

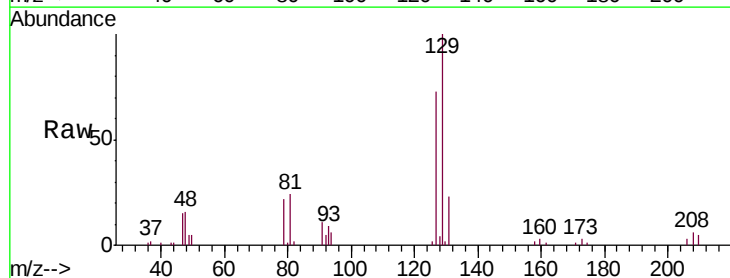


Abundance Ion 43.05 (42.75 to 43.75): VU039757.D (-2276) (-)
Ion 58.05 (57.75 to 58.75): VU039757.D (-2276) (-)
Ion 57.20 (56.90 to 57.90): VU039757.D (-2276) (-)
Ion 100.15 (99.85 to 100.85): VU039757.D (-2276) (-)

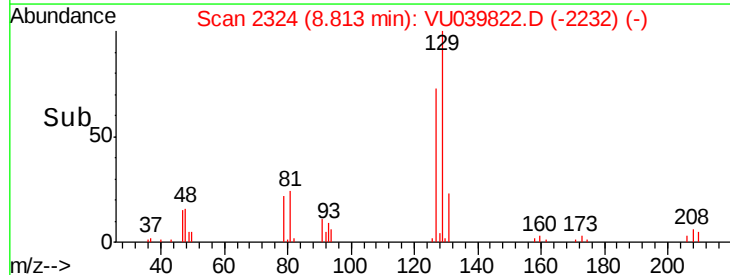
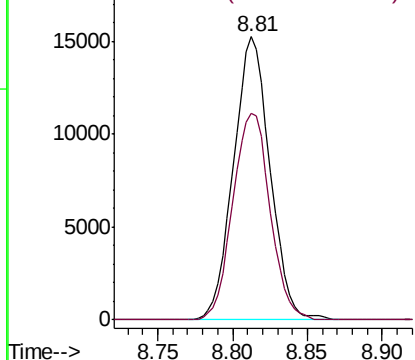


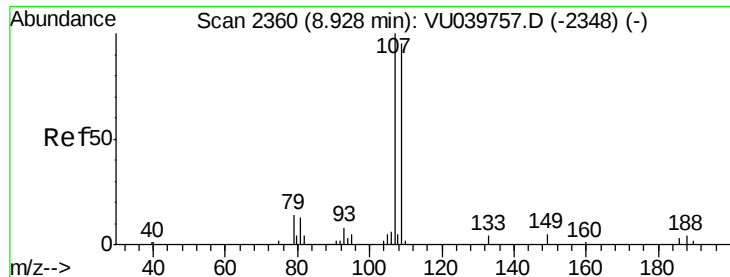
#49
Dibromochloromethane
Concen: 5.073 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU039822.D
Acq: 10 Aug 2020 13:39

Tgt Ion:	129	Resp:	25946
Ion	Ratio	Lower	Upper
129	100		
127	73.2	53.0	98.4



Abundance Ion 128.95 (128.65 to 129.65): VU039757.D (-2313) (-)
Ion 126.90 (126.60 to 127.60): VU039757.D (-2313) (-)

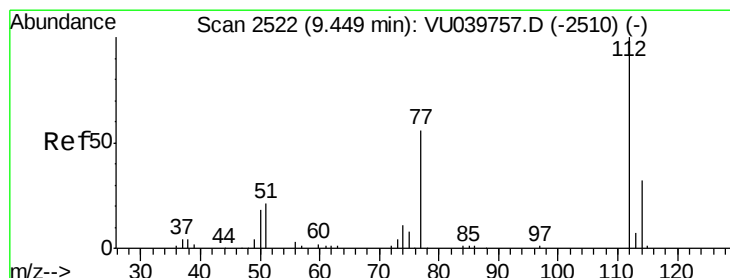
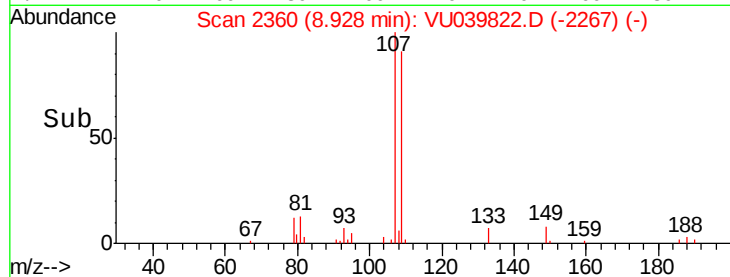
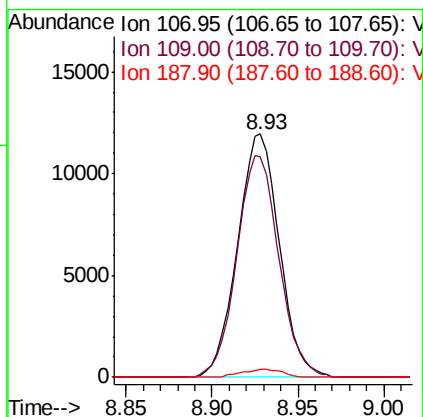
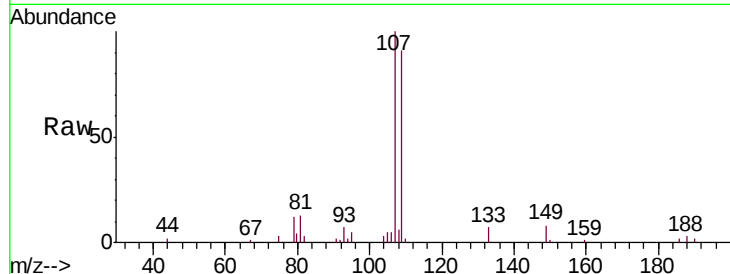




#50
 1,2-Dibromoethane
 Concen: 4.937 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

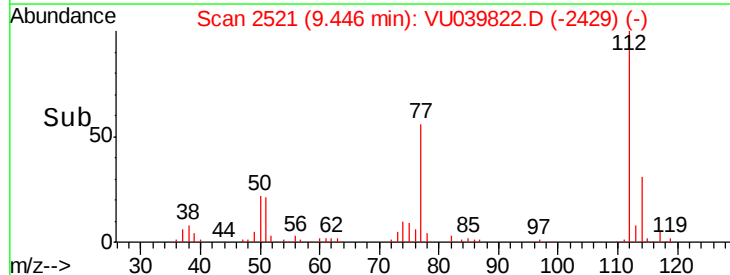
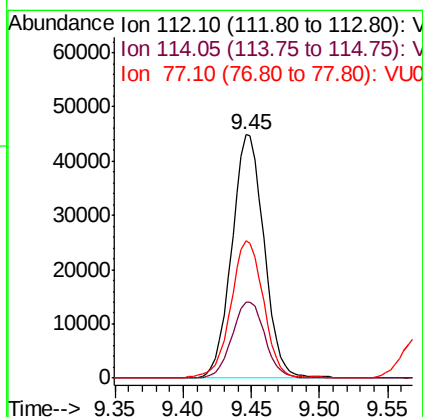
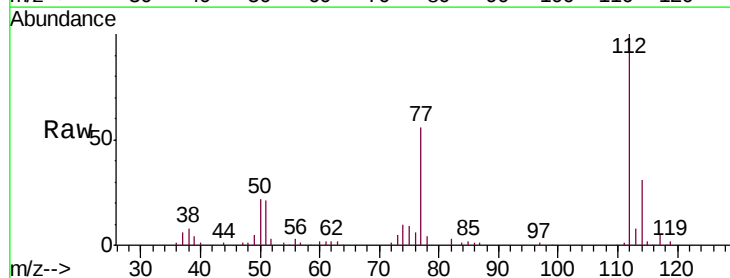
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

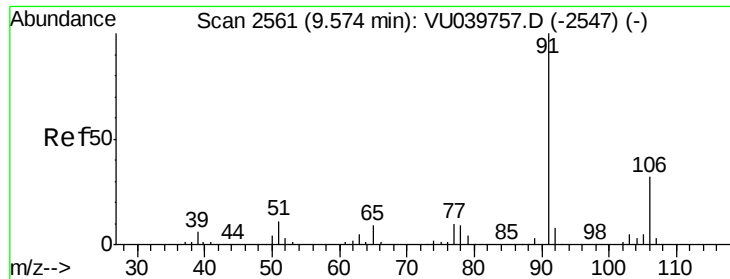
Tgt Ion:107 Resp: 20176
 Ion Ratio Lower Upper
 107 100
 109 90.8 63.9 118.7
 188 3.3 2.9 4.3



#51
 Chlorobenzene
 Concen: 5.006 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

Tgt Ion:112 Resp: 73752
 Ion Ratio Lower Upper
 112 100
 114 31.0 23.2 43.0
 77 56.5 47.8 71.6





#52

Ethylbenzene

Concen: 4.827 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

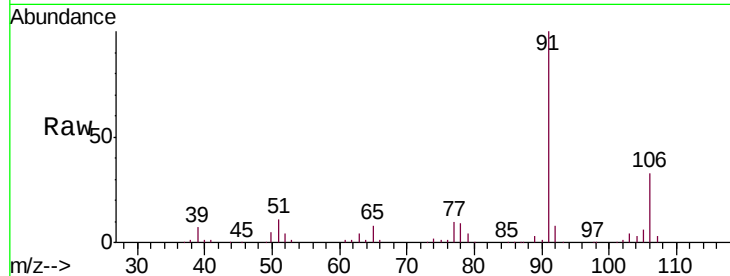
VSTD00517

Tgt Ion: 91 Resp: 118436

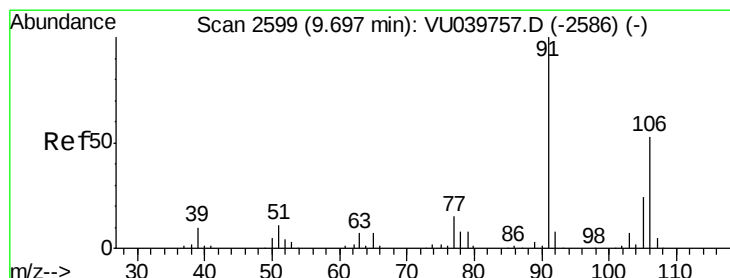
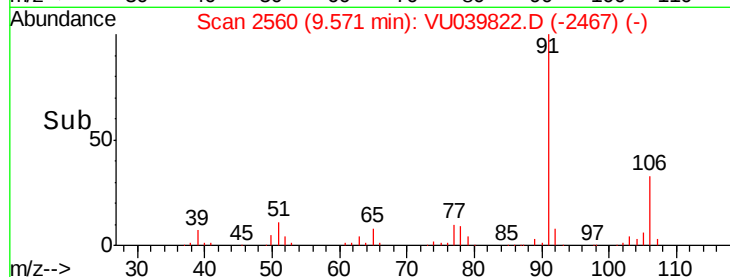
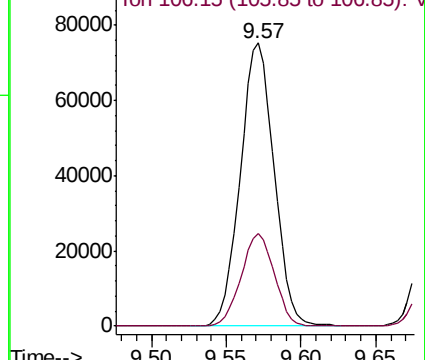
Ion Ratio Lower Upper

91 100

106 32.6 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039757.D (-2547) (-)



#53

m,p-Xylene

Concen: 4.891 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU039822.D

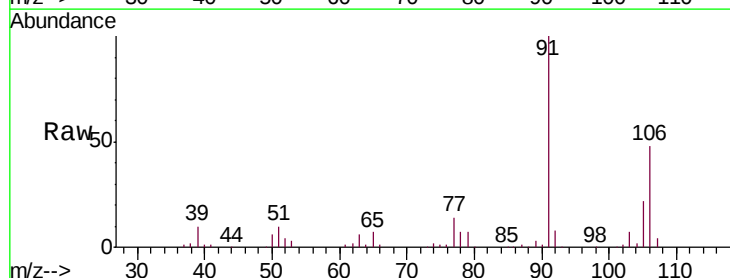
Acq: 10 Aug 2020 13:39

Tgt Ion: 106 Resp: 45703

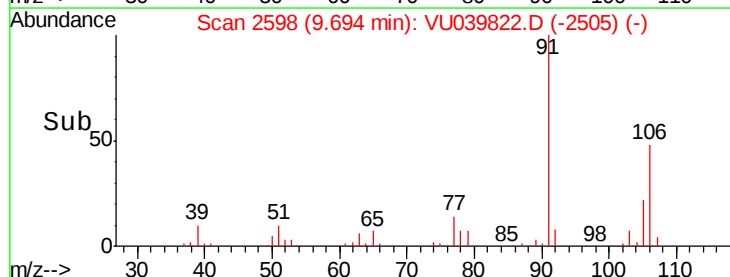
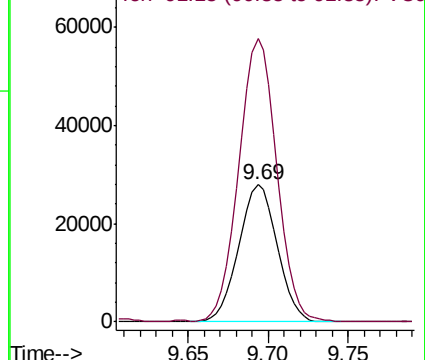
Ion Ratio Lower Upper

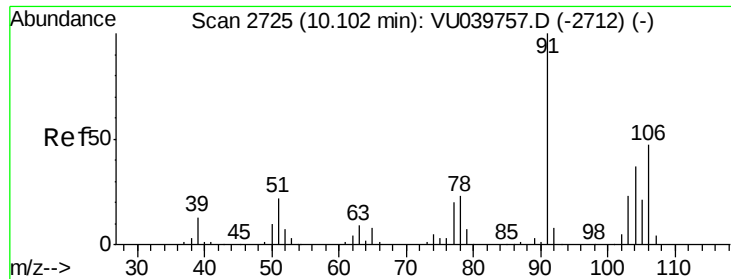
106 100

91 206.3 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039757.D (-2586) (-)

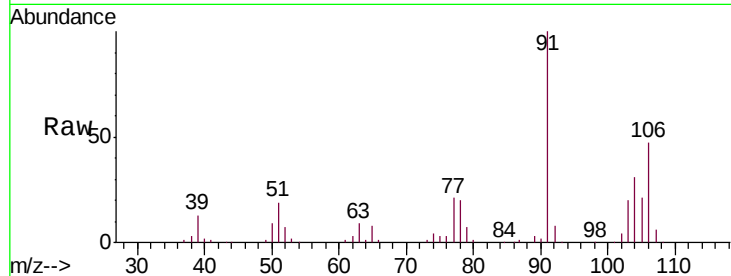




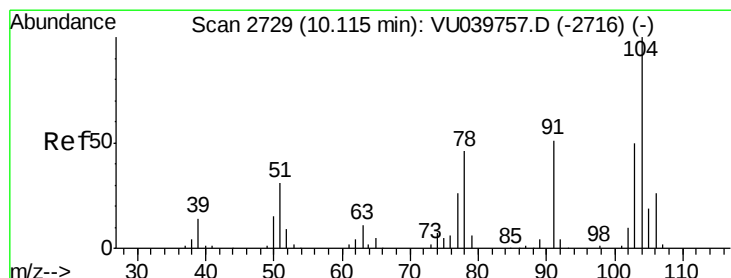
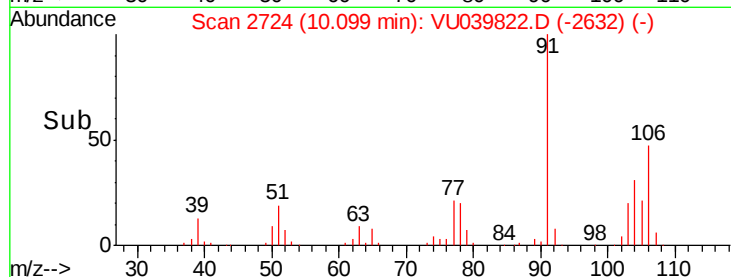
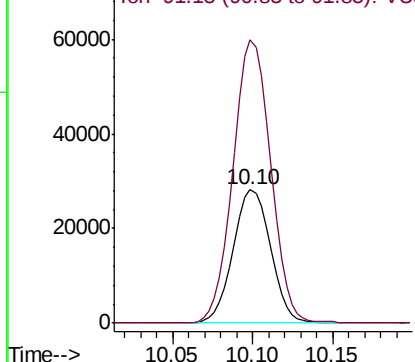
#54
o-Xylene
Concen: 4.928 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU039822.D
Acq: 10 Aug 2020 13:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Tgt Ion:106 Resp: 45090
Ion Ratio Lower Upper
106 100
91 212.5 140.8 261.6

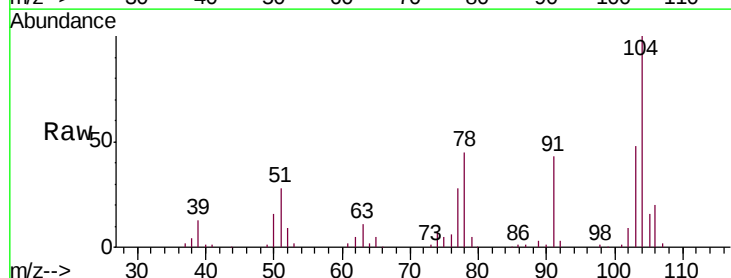


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

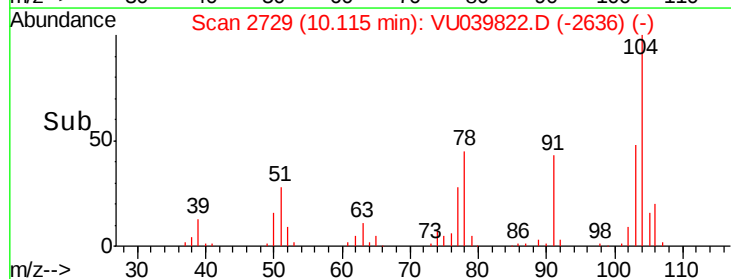
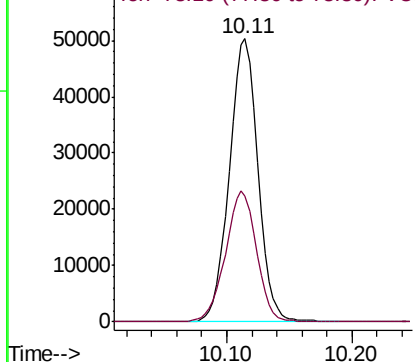


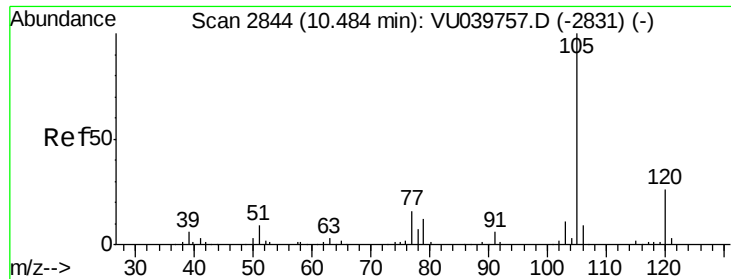
#55
Styrene
Concen: 5.161 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039822.D
Acq: 10 Aug 2020 13:39

Tgt Ion:104 Resp: 79515
Ion Ratio Lower Upper
104 100
78 44.5 32.3 60.1



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





#56

Isopropylbenzene

Concen: 4.971 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

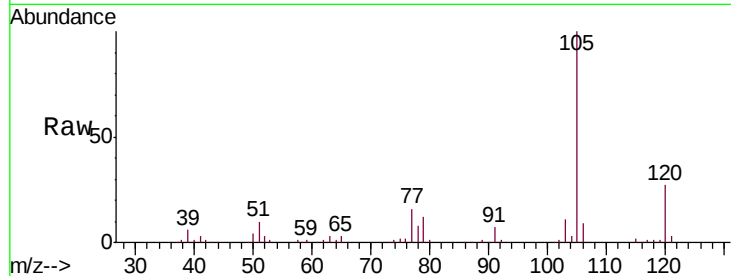
Tgt Ion: 105 Resp: 121566

Ion Ratio Lower Upper

105 100

120 27.2 21.0 31.6

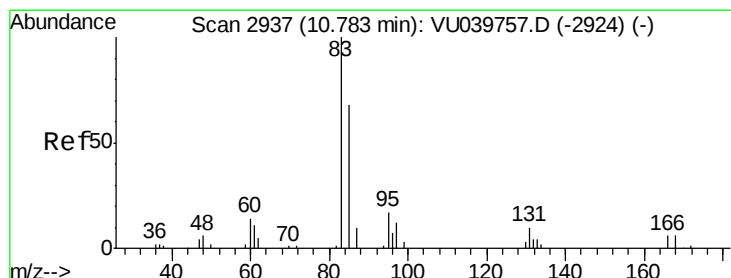
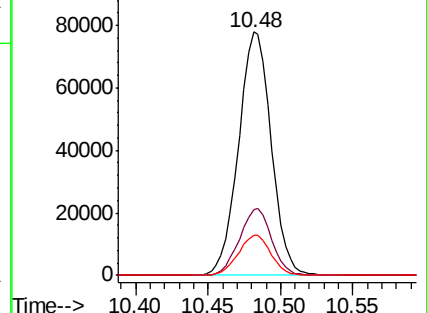
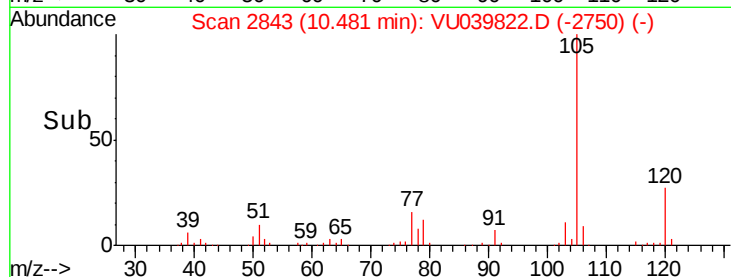
77 16.5 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.590 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

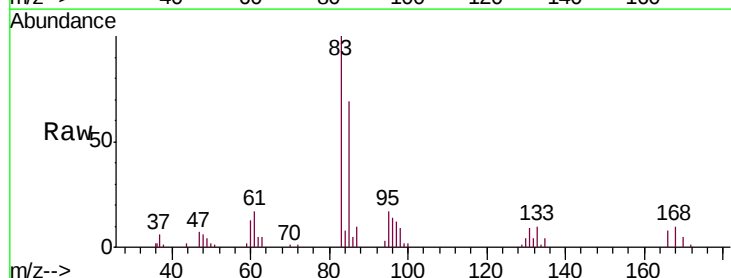
Tgt Ion: 83 Resp: 26322

Ion Ratio Lower Upper

83 100

85 69.2 44.4 82.4

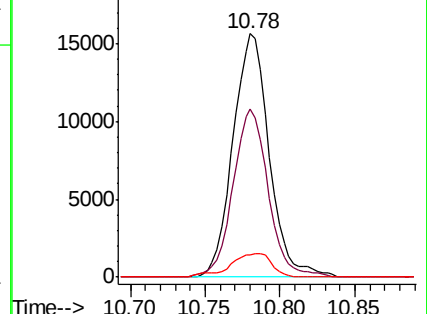
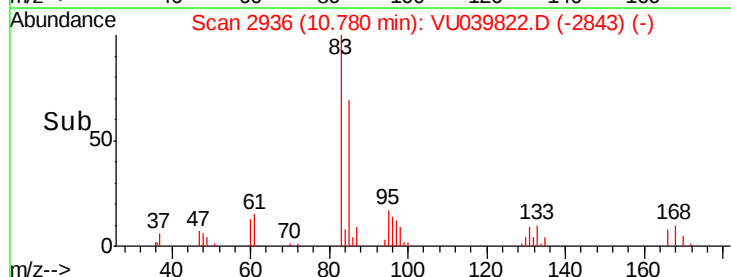
131 9.1 7.4 11.0

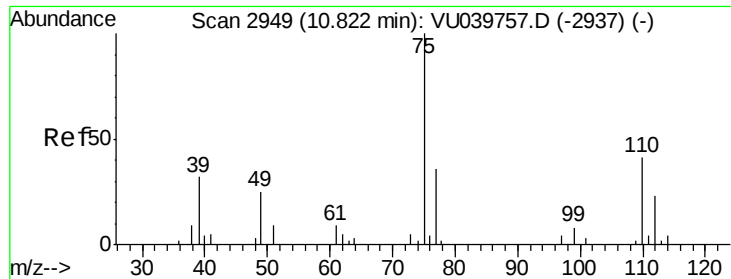


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.789 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

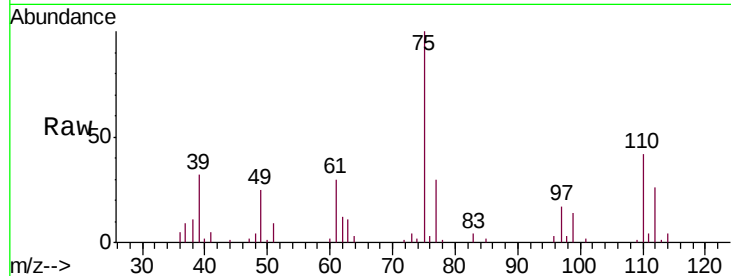
VSTD00517

Tgt Ion: 75 Resp: 19140

Ion Ratio Lower Upper

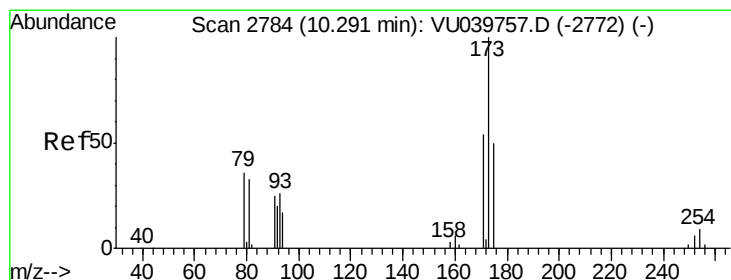
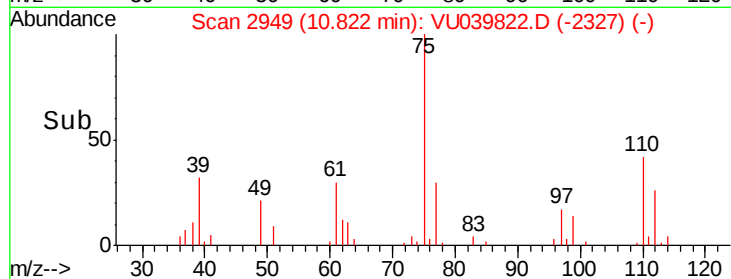
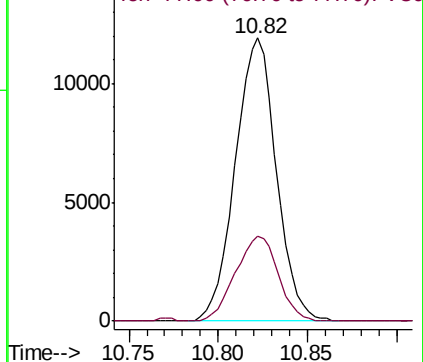
75 100

77 31.3 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU039757.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039757.D (-2937) (-)



#61

Bromoform

Concen: 4.823 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU039822.D

Acq: 10 Aug 2020 13:39

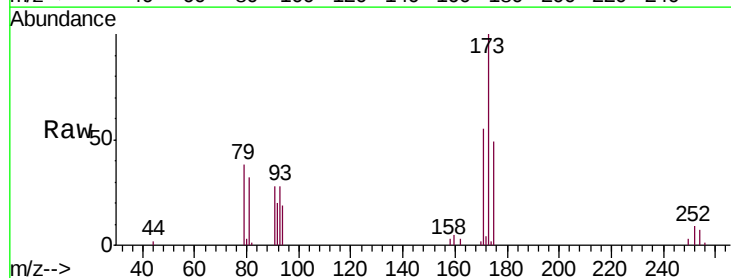
Tgt Ion: 173 Resp: 13439

Ion Ratio Lower Upper

173 100

175 49.7 33.8 50.8

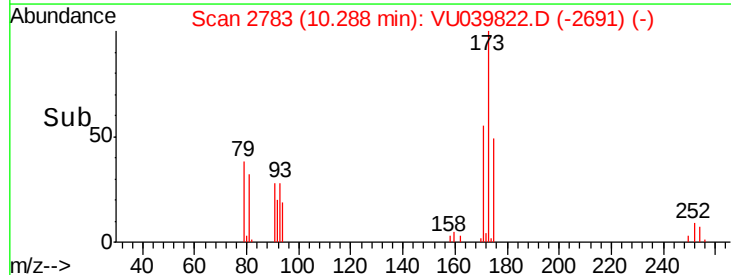
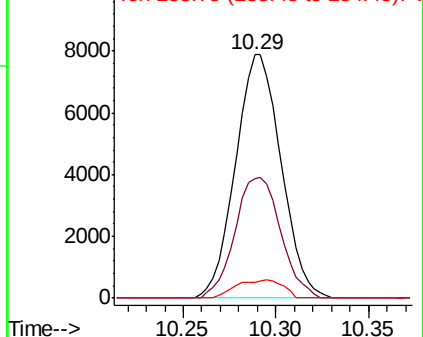
254 7.6 5.5 8.3

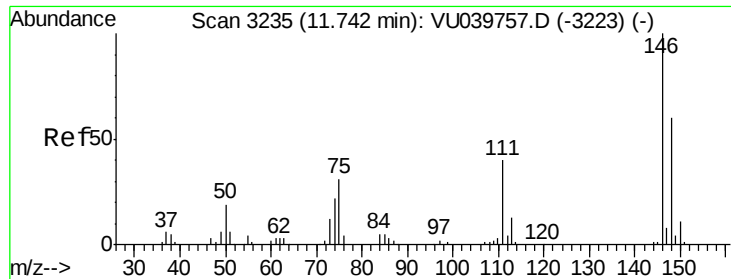


Abundance Ion 172.90 (172.60 to 173.60): VU039757.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039757.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039757.D (-2772) (-)

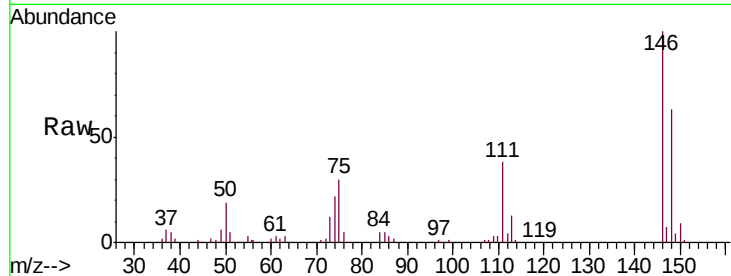




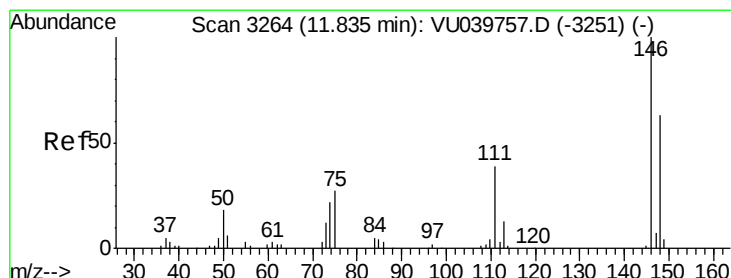
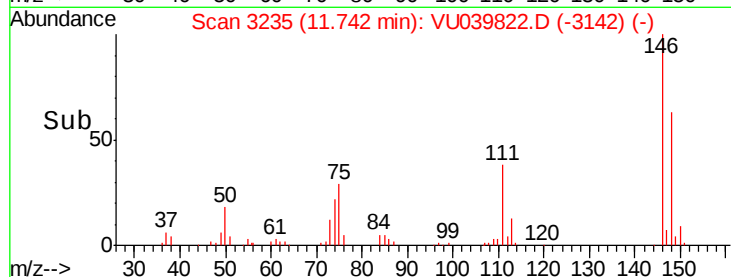
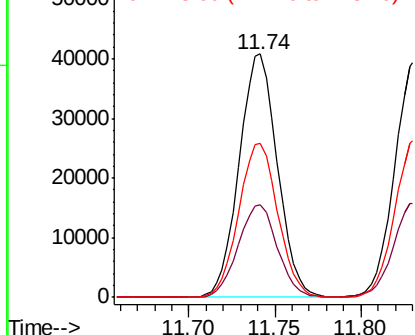
#62
 1,3-Dichlorobenzene
 Concen: 5.218 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion:146 Resp: 62974
 Ion Ratio Lower Upper
 146 100
 111 38.1 27.7 51.5
 148 63.2 45.2 84.0

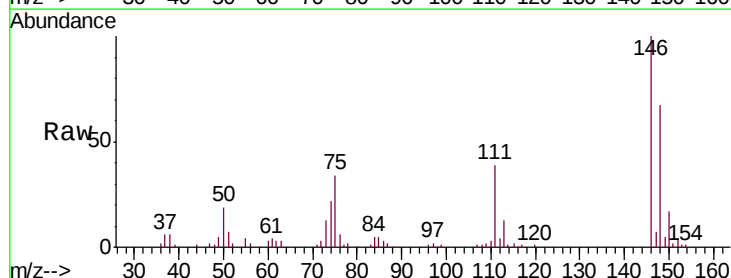


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

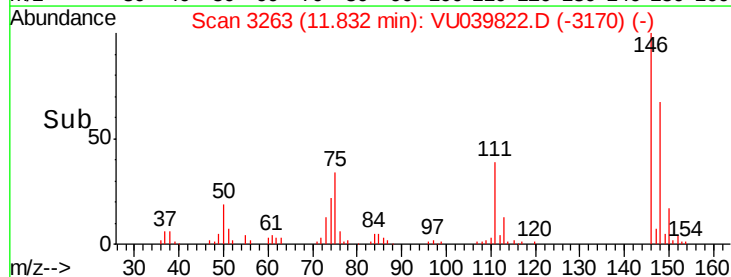
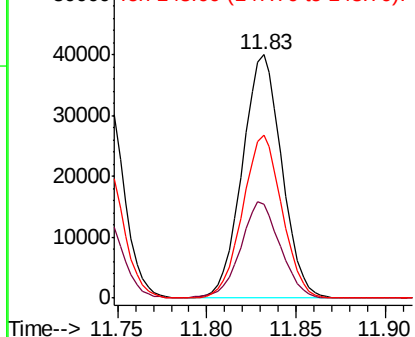


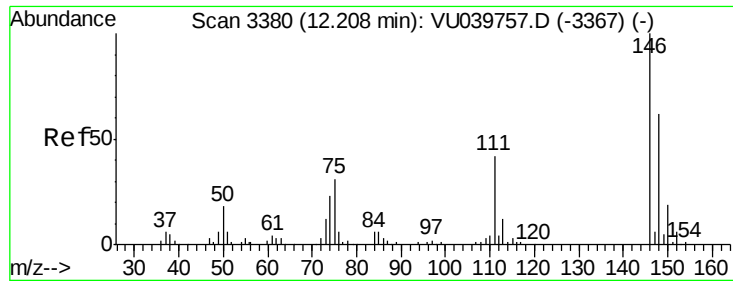
#63
 1,4-Dichlorobenzene
 Concen: 4.870 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

Tgt Ion:146 Resp: 61960
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.5 49.3
 148 67.0 45.3 84.1



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

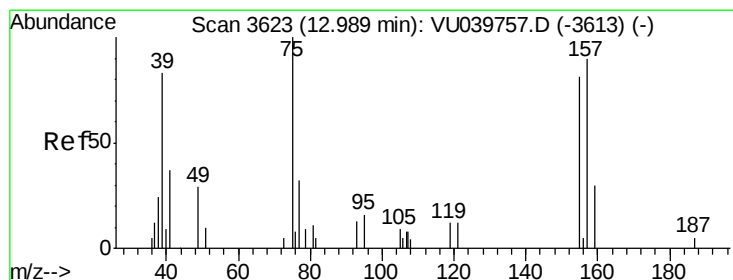
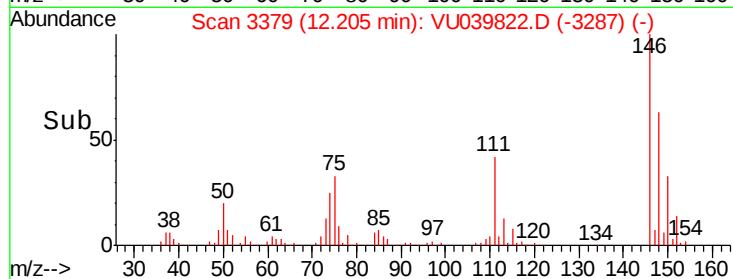
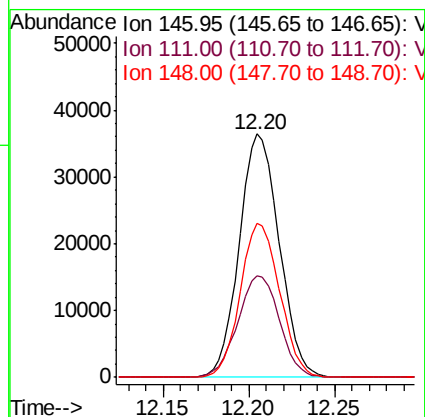
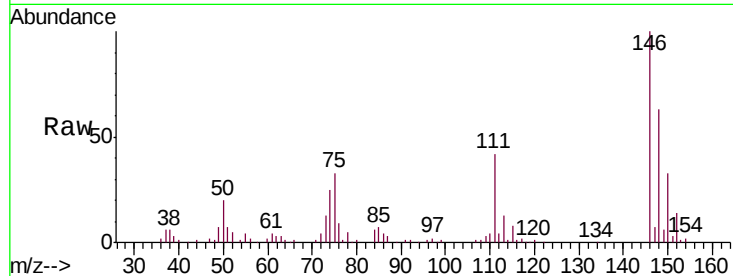




#65
 1,2-Dichlorobenzene
 Concen: 4.937 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

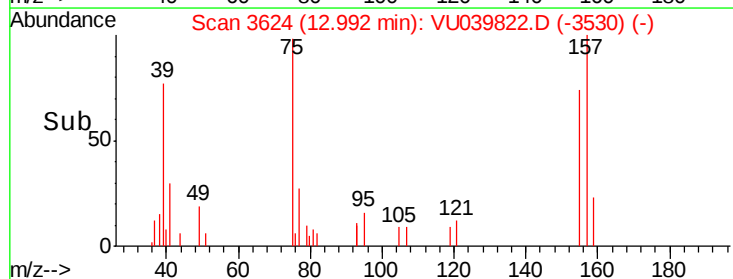
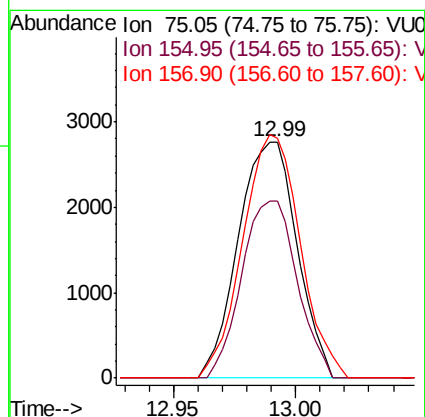
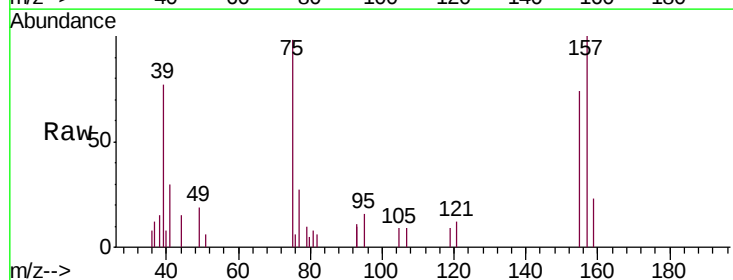
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

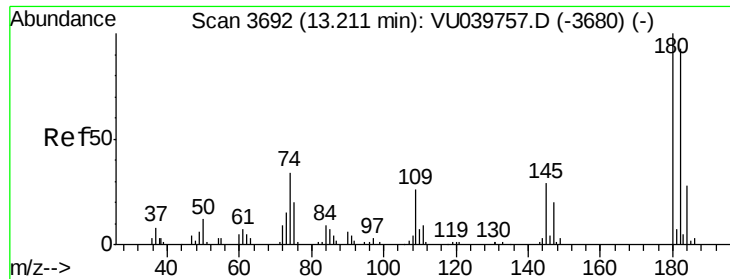
Tgt Ion:146 Resp: 58703
 Ion Ratio Lower Upper
 146 100
 111 42.0 33.1 49.7
 148 63.3 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.133 ug/L
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

Tgt Ion: 75 Resp: 4614
 Ion Ratio Lower Upper
 75 100
 155 75.3 64.0 96.0
 157 101.9 77.0 115.6

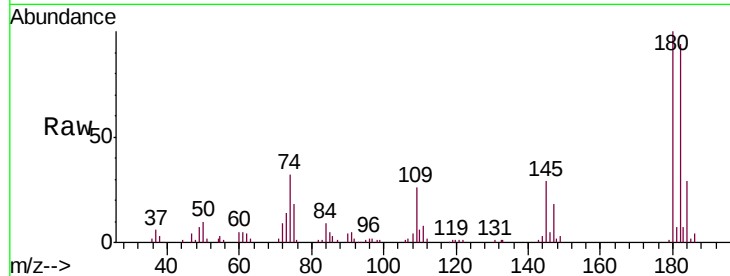




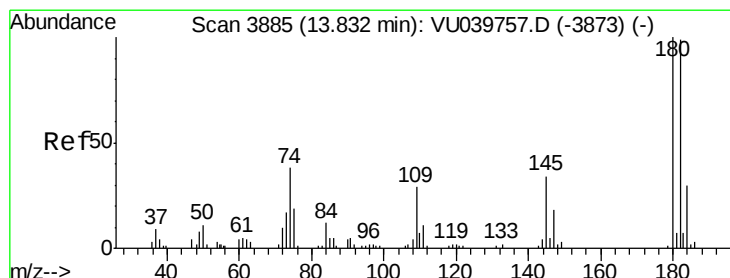
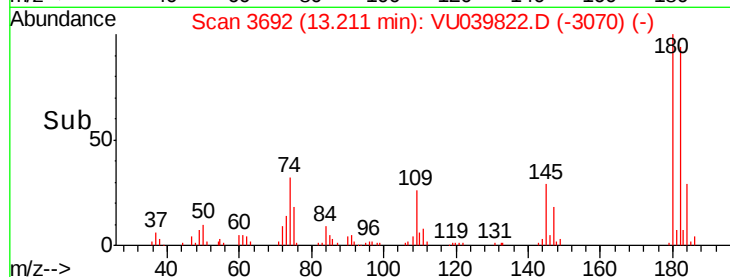
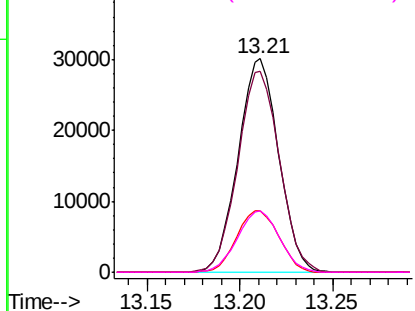
#67
 1,3,5-Trichlorobenzene
 Concen: 4.990 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion:180 Resp: 45642
 Ion Ratio Lower Upper
 180 100
 182 96.7 74.9 112.3
 184 30.0 25.3 37.9
 145 30.0 25.0 37.6

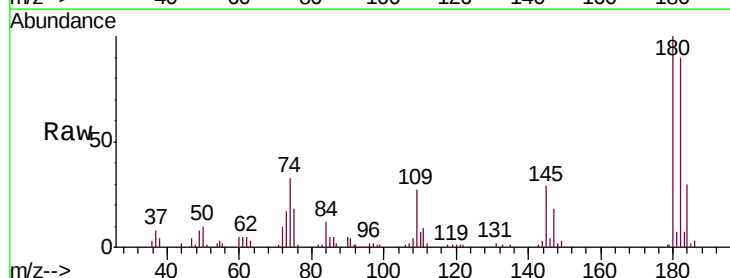


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

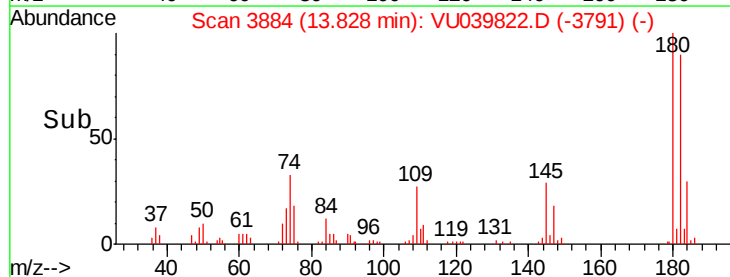
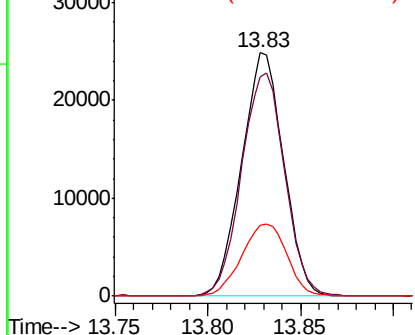


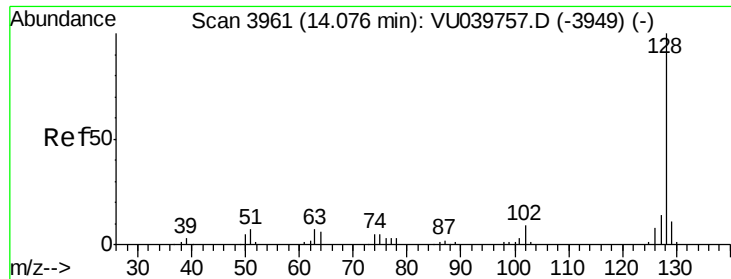
#68
 1,2,4-trichlorobenzene
 Concen: 5.089 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU039822.D
 Acq: 10 Aug 2020 13:39

Tgt Ion:180 Resp: 39007
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.7 113.5
 145 31.9 25.1 37.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

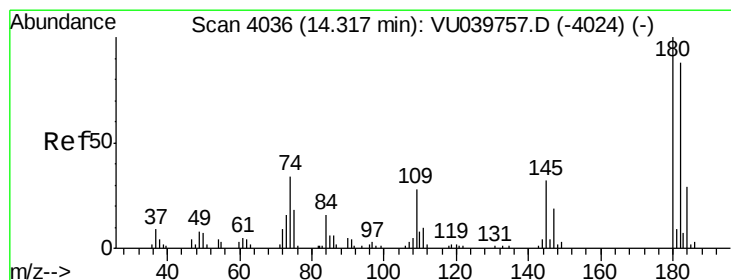
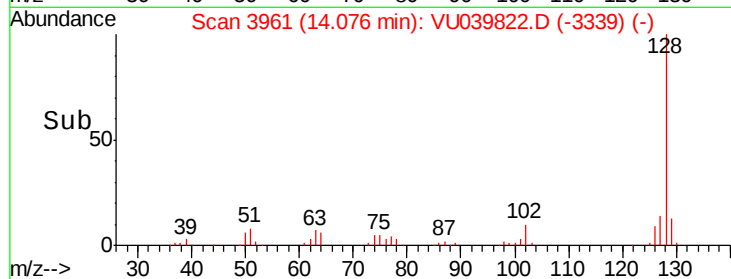
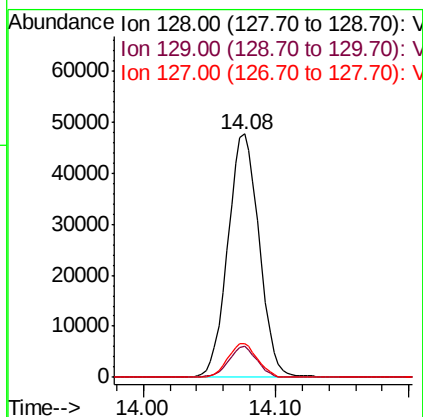
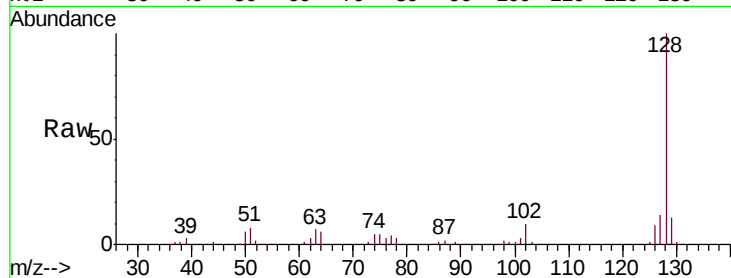




#69
Naphthalene
Concen: 5.708 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU039822.D
Acq: 10 Aug 2020 13:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Tgt Ion:128 Resp: 78222
Ion Ratio Lower Upper
128 100
129 11.6 8.9 13.3
127 13.1 10.1 15.1



#70
1,2,3-Trichlorobenzene
Concen: 5.754 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU039822.D
Acq: 10 Aug 2020 13:39

Tgt Ion:180 Resp: 39572
Ion Ratio Lower Upper
180 100
182 94.8 76.1 114.1
145 33.6 27.4 41.0

