

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081320\
 Data File : VU039857.D
 Acq On : 13 Aug 2020 17:40
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Quant Time: Aug 14 04:09:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 14 01:47:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	70766	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	70209	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	39182	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17814	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.92	69	19589	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.58	63	41539	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.00%
20) 2-Butanone-d5	4.65	46	86348	51.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.76%
24) Chloroform-d	5.08	84	41076	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	5.72	65	27421	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.75	84	79231	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.70	67	26425	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.91	98	69255	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	8.18	79	11109	5.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.20%
46) 2-Hexanone-d5	8.64	63	60849	51.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.54%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26480	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	31061	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	30462	5.338	ug/L	98
3) Chloromethane	1.53	50	32030	5.337	ug/L	97
5) Vinyl chloride	1.61	62	31885	5.542	ug/L	98
6) Bromomethane	1.86	94	15016	4.124	ug/L	91
8) Chloroethane	1.94	64	21902	5.191	ug/L	98
9) Trichlorofluoromethane	2.15	101	44396	4.961	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	27980	5.763	ug/L	96
12) 1,1-Dichloroethene	2.59	96	25834	6.120	ug/L	96
13) Acetone	2.66	43	53763	54.261	ug/L	98
14) Carbon disulfide	2.81	76	85256	6.459	ug/L	97
15) Methyl Acetate	2.97	43	13916	5.695	ug/L	98
16) Methylene chloride	3.06	84	29462	4.329	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	60226	5.373	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	26199	5.575	ug/L	97
19) 1,1-Dichloroethane	3.89	63	48885	5.634	ug/L	97
21) 2-Butanone	4.73	43	89995	57.636	ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	27696	5.418	ug/L	90

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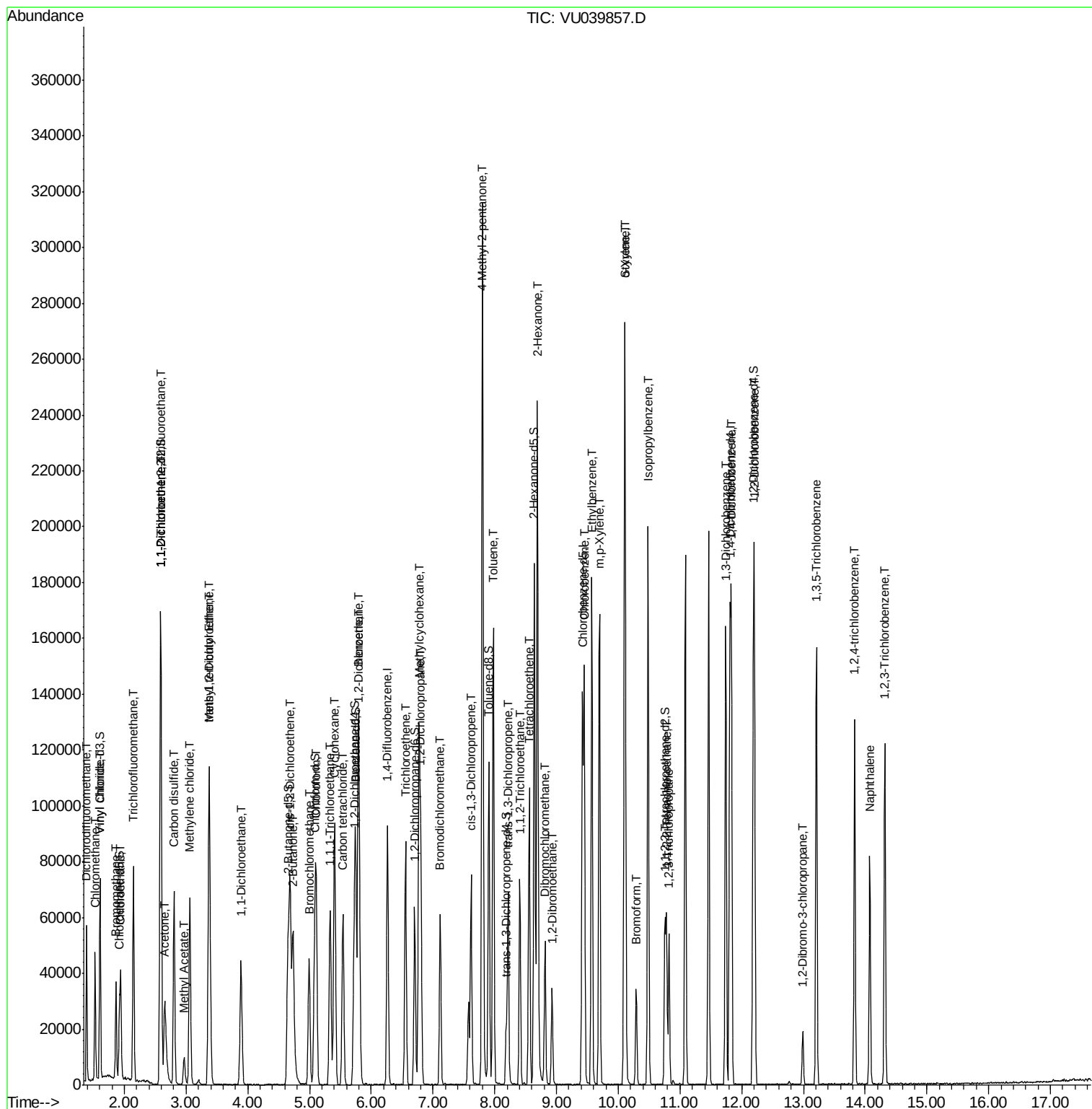
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	12863	5.358	ug/L	89
25) Chloroform	5.11	83	53965	5.786	ug/L	94
27) 1,2-Dichloroethane	5.81	62	35100	5.461	ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	44220	5.646	ug/L	98
30) Cyclohexane	5.41	56	44079	5.849	ug/L	97
31) Carbon tetrachloride	5.54	117	38539	5.363	ug/L	96
33) Benzene	5.79	78	109005	5.698	ug/L	100
34) Trichloroethene	6.56	95	28144	5.665	ug/L	92
35) Methylcyclohexane	6.77	83	43893	5.535	ug/L	94
37) 1,2-Dichloropropane	6.80	63	27963	5.504	ug/L	98
38) Bromodichloromethane	7.12	83	36692	5.520	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	39030	5.633	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	214155	56.404	ug/L	99
42) Toluene	7.98	91	110181	5.481	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	34678	5.555	ug/L	93
45) 1,1,2-Trichloroethane	8.41	97	20680	5.411	ug/L	88
47) Tetrachloroethene	8.56	164	20762	5.066	ug/L	94
48) 2-Hexanone	8.69	43	158732	57.895	ug/L	98
49) Dibromochloromethane	8.82	129	24656	5.257	ug/L	100
50) 1,2-Dibromoethane	8.93	107	20038	5.347	ug/L	96
51) Chlorobenzene	9.45	112	72153	5.341	ug/L	97
52) Ethylbenzene	9.57	91	121075	5.381	ug/L	97
53) m,p-Xylene	9.70	106	47564	5.551	ug/L	92
54) o-Xylene	10.10	106	46122	5.498	ug/L	93
55) Styrene	10.11	104	77298	5.472	ug/L	98
56) Isopropylbenzene	10.48	105	121347	5.412	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	27880	5.303	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	18834	5.139	ug/L	95
61) Bromoform	10.29	173	14103	5.327	ug/L	95
62) 1,3-Dichlorobenzene	11.74	146	60403	5.267	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	60864	5.035	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	56795	5.027	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	4388	5.137	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	42372	4.875	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	36635	5.030	ug/L	96
69) Naphthalene	14.08	128	60358	4.635	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	32109	4.914	ug/L	97

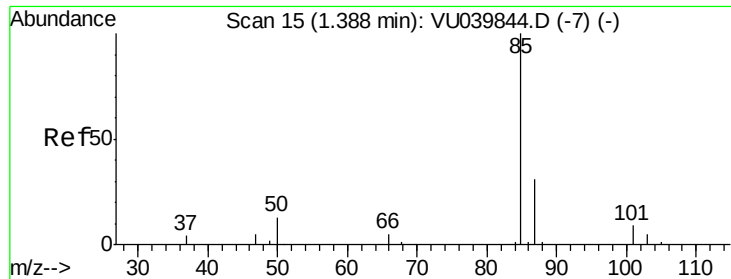
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.338 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

Instrument :

MSVOA_U

ClientSampleId :

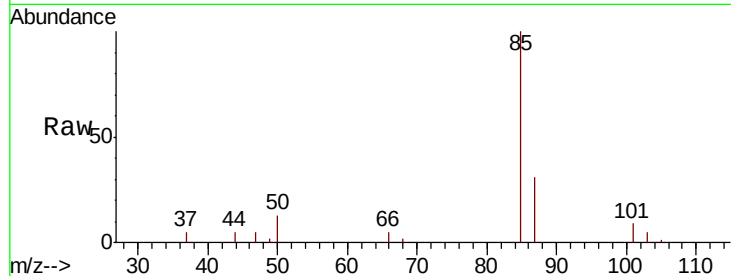
VSTD00520

Tot Ion: 85 Resp: 30462

Ion Ratio Lower Upper

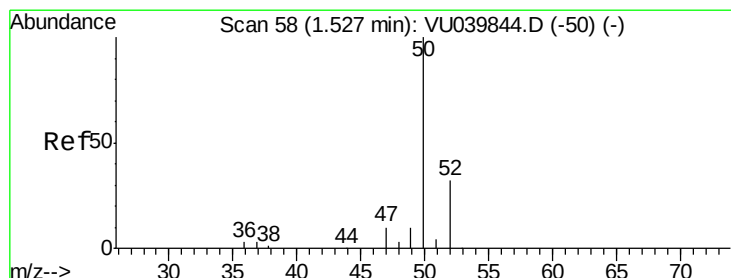
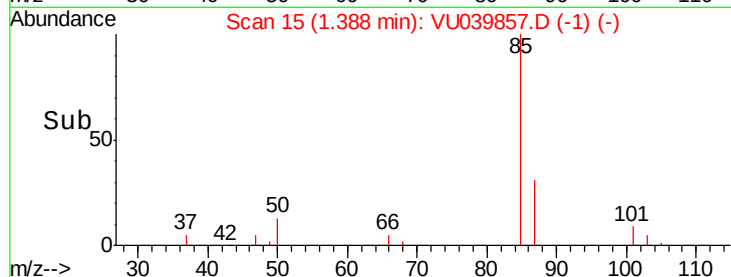
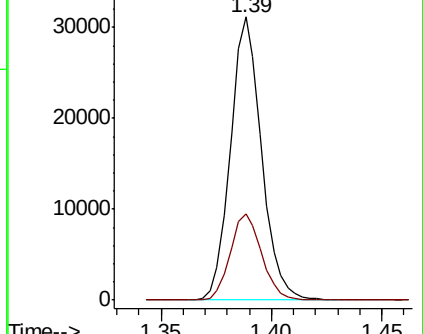
85 100

87 30.6 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU039844.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039844.D (-7) (-)



#3

Chloromethane

Concen: 5.337 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039857.D

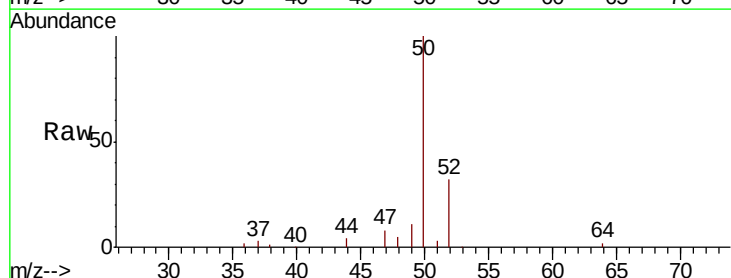
Acq: 13 Aug 2020 17:40

Tgt Ion: 50 Resp: 32030

Ion Ratio Lower Upper

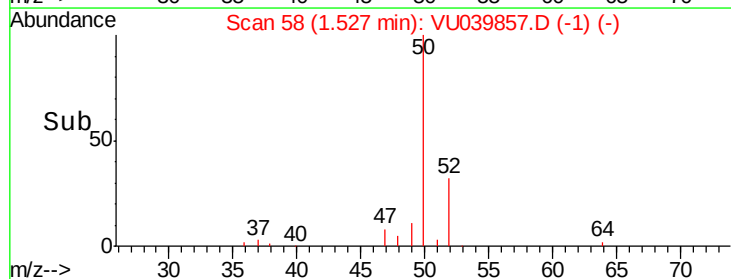
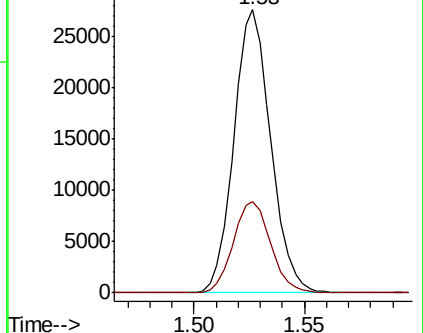
50 100

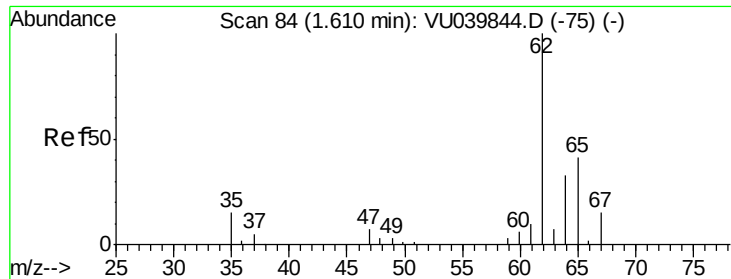
52 32.4 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU039844.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039844.D (-50) (-)





#5

Vinyl chloride

Concen: 5.542 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

Instrument :

MSVOA_U

ClientSampleId :

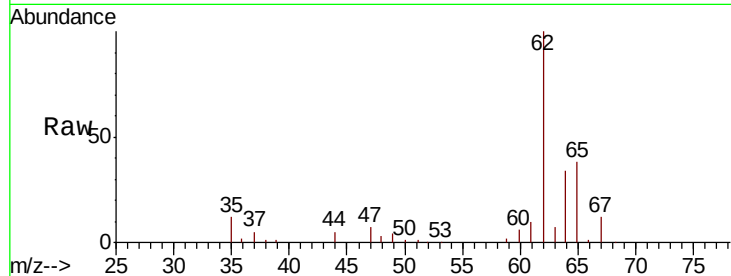
VSTD00520

Tot Ion: 62 Resp: 31885

Ion Ratio Lower Upper

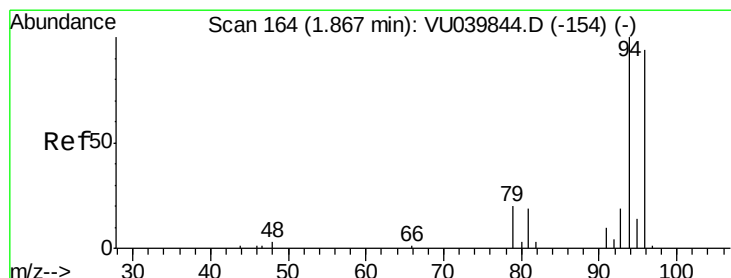
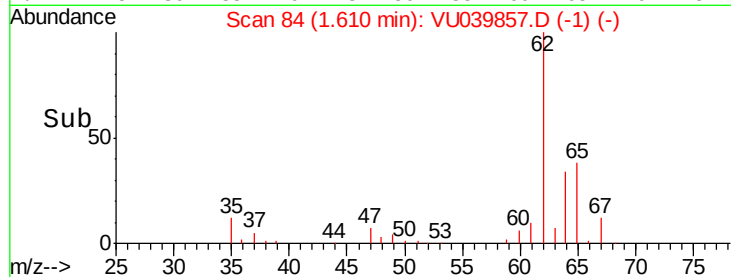
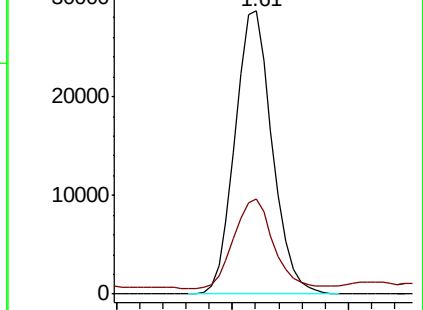
62 100

64 33.5 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039844.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039857.D (-1) (-)



#6

Bromomethane

Concen: 4.124 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039857.D

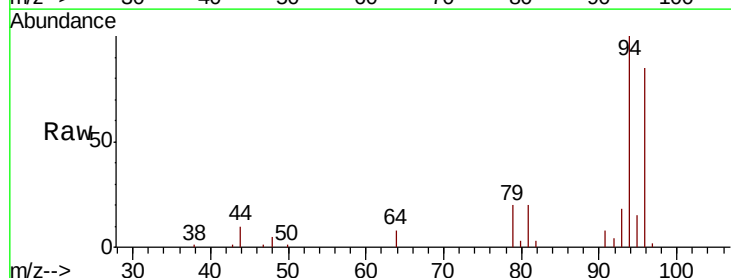
Acq: 13 Aug 2020 17:40

Tgt Ion: 94 Resp: 15016

Ion Ratio Lower Upper

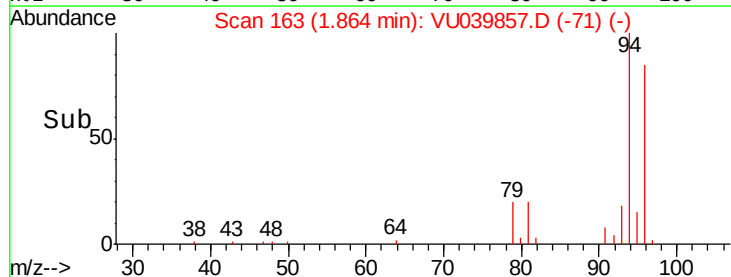
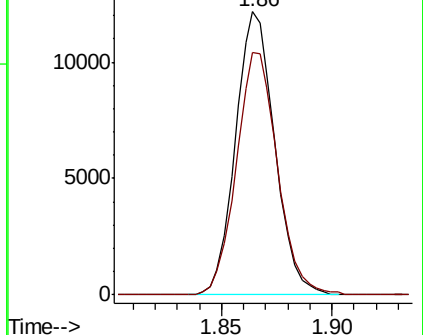
94 100

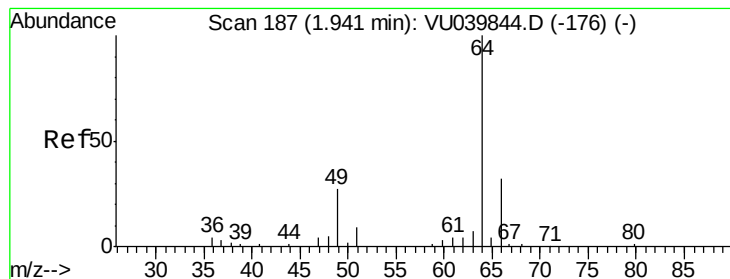
96 85.4 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU039844.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU039857.D (-71) (-)





#8

Chloroethane

Concen: 5.191 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

Instrument :

MSVOA_U

ClientSampleId :

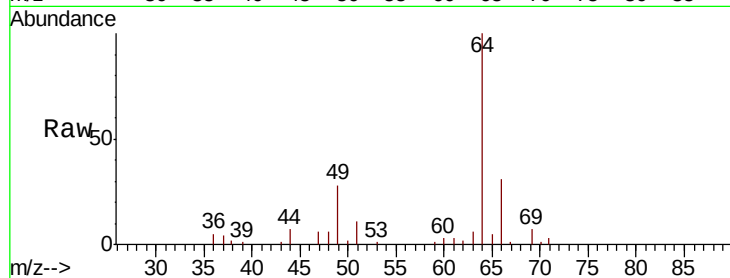
VSTD00520

Tot Ion: 64 Resp: 21902

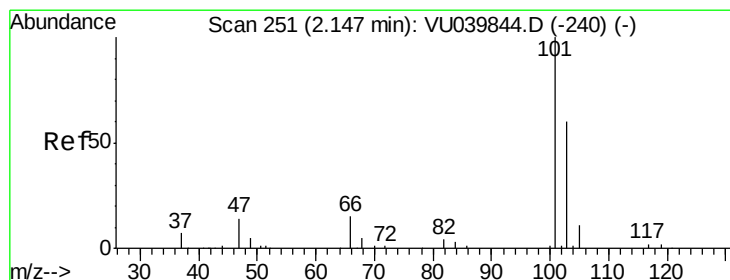
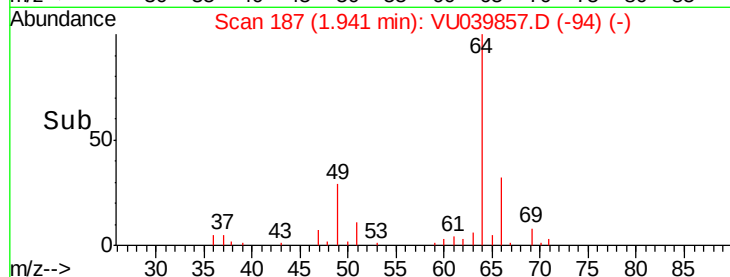
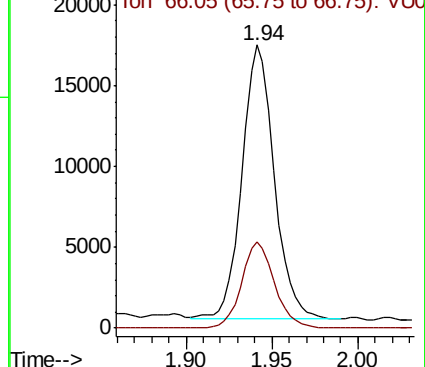
Ion Ratio Lower Upper

64 100

66 30.5 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VU039844.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 4.961 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU039857.D

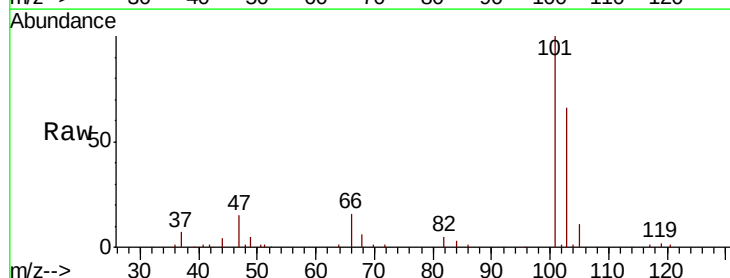
Acq: 13 Aug 2020 17:40

Tgt Ion:101 Resp: 44396

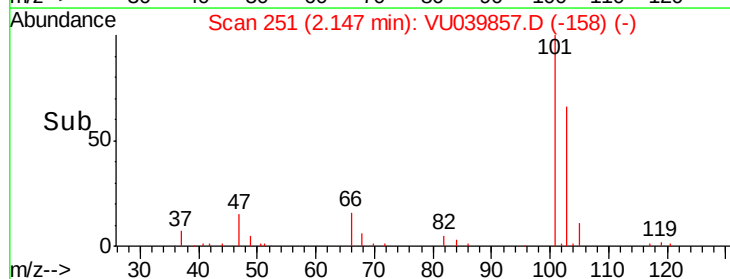
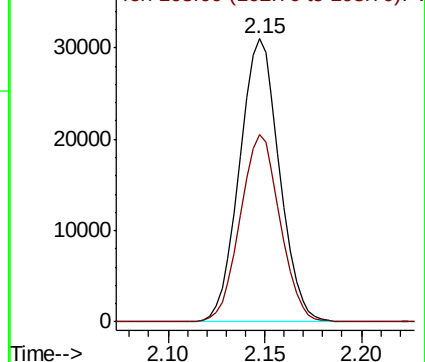
Ion Ratio Lower Upper

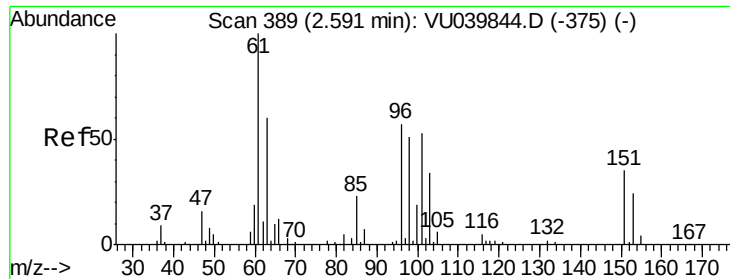
101 100

103 66.1 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU039844.D (-240) (-)





#10

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

Concen: 5.763 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

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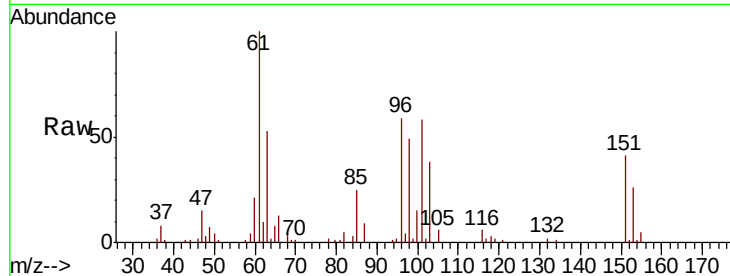
Tot Ion:101 Resp: 27980

Ion Ratio Lower Upper

101 100

85 44.5 37.9 56.9

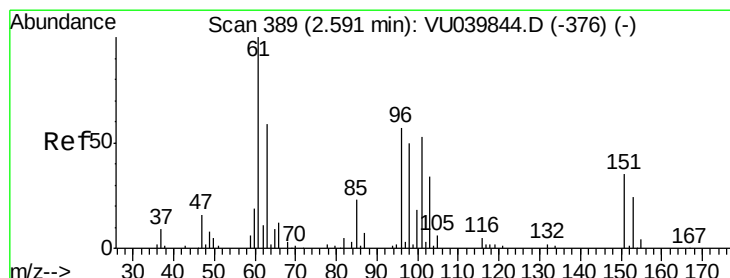
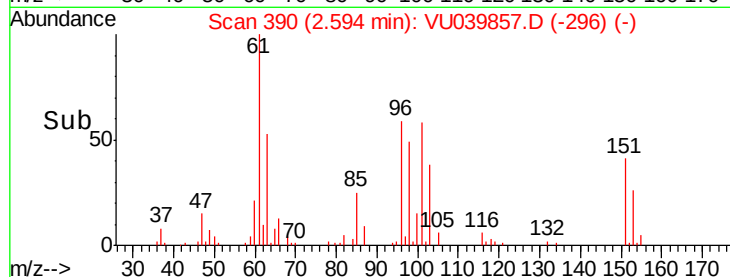
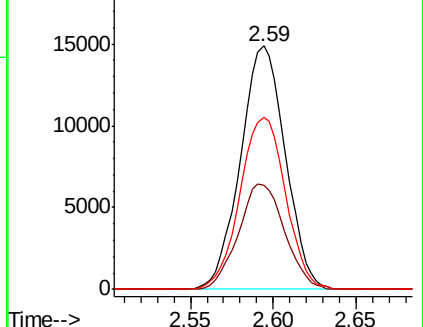
151 72.0 54.7 82.1



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: 6.120 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

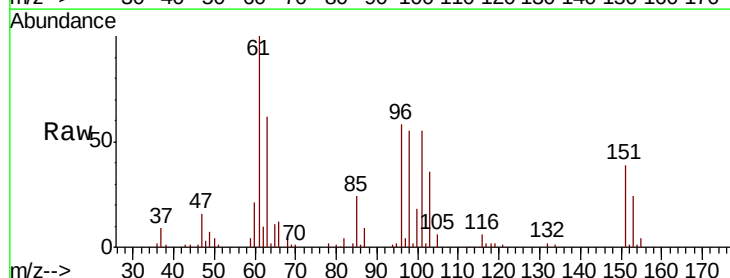
Tgt Ion: 96 Resp: 25834

Ion Ratio Lower Upper

96 100

61 172.9 121.7 225.9

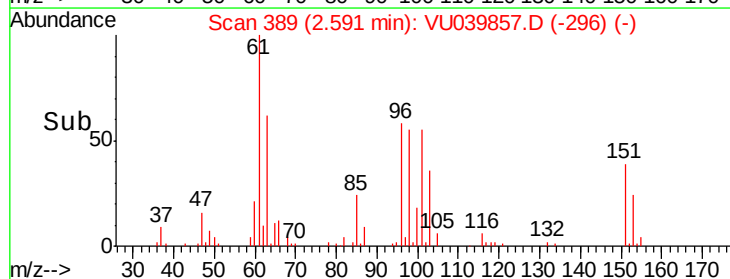
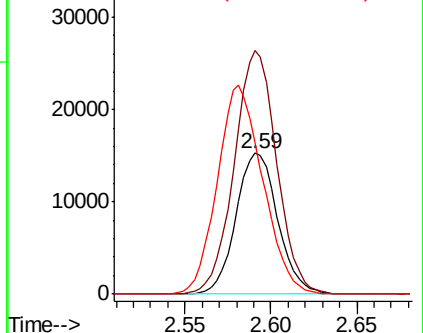
63 107.4 82.1 152.5

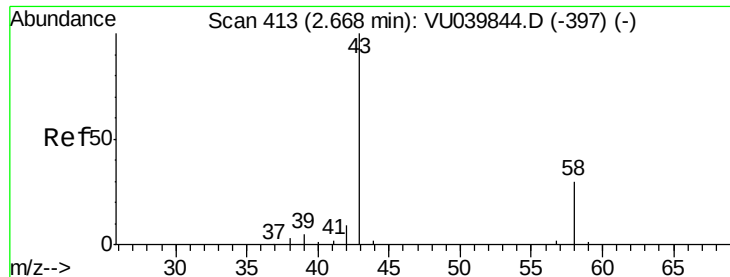


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.261 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

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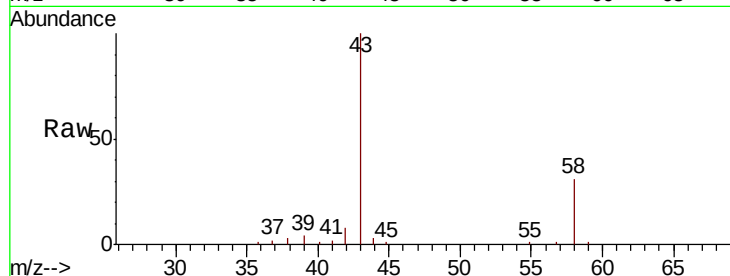
VSTD00520

Tot Ion: 43 Resp: 53763

Ion Ratio Lower Upper

43 100

58 31.8 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039844.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU039844.D (-397) (-)

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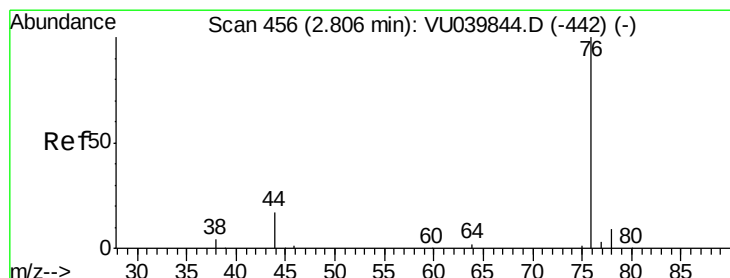
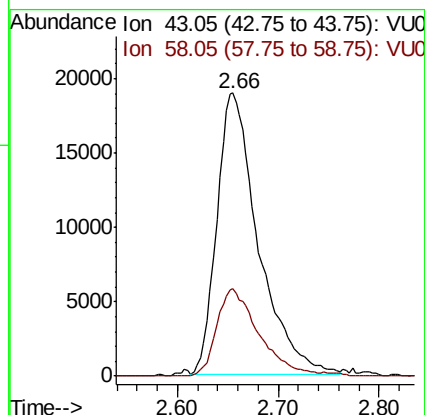
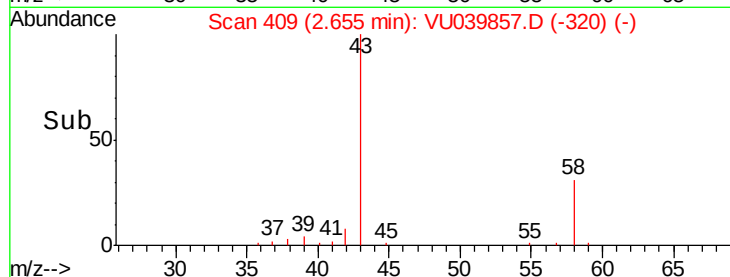
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2.66

2.66



#14

Carbon disulfide

Concen: 6.459 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039857.D

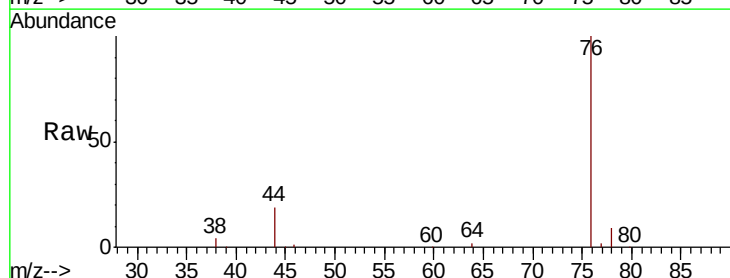
Acq: 13 Aug 2020 17:40

Tgt Ion: 76 Resp: 85256

Ion Ratio Lower Upper

76 100

78 8.8 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039844.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU039844.D (-442) (-)

2.81

2.81

2.81

2.81

2.81

2.81

2.81

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2.81

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2.81

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2.81

2.81

2.81

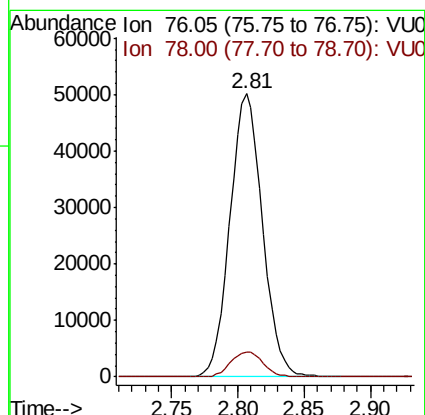
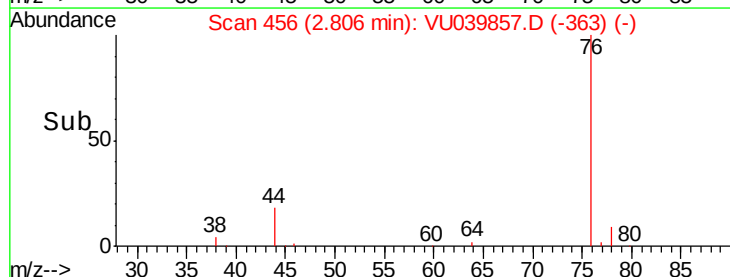
2.81

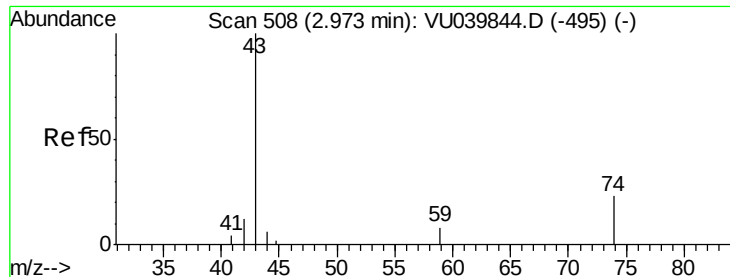
2.81

2.81

2.81

2.81

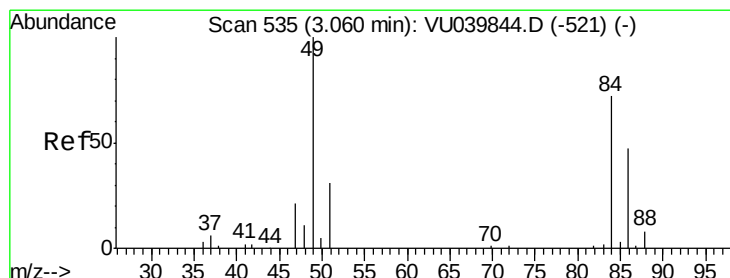
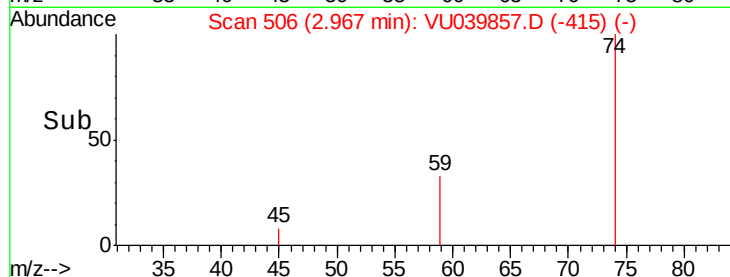
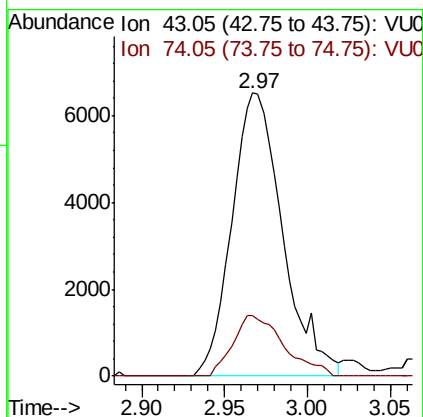
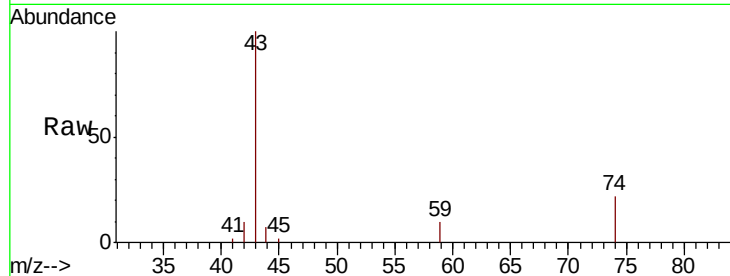




#15
Methvl Acetate
Concen: 5.695 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.01 min
Lab File: VU039857.D
Acq: 13 Aug 2020 17:40

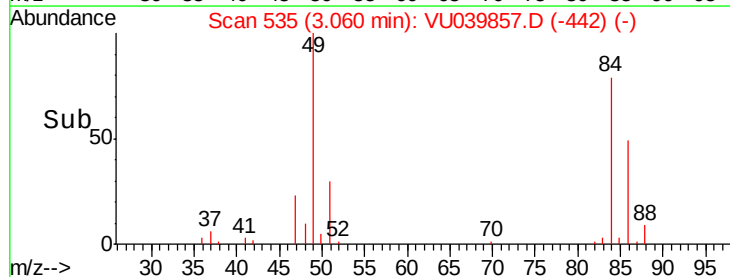
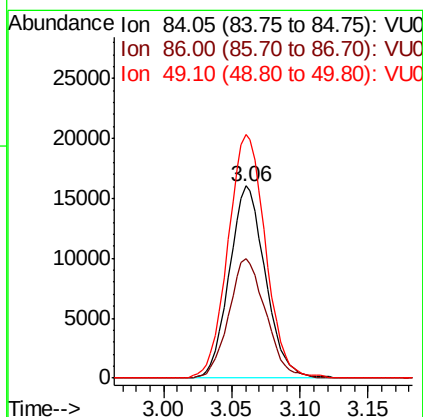
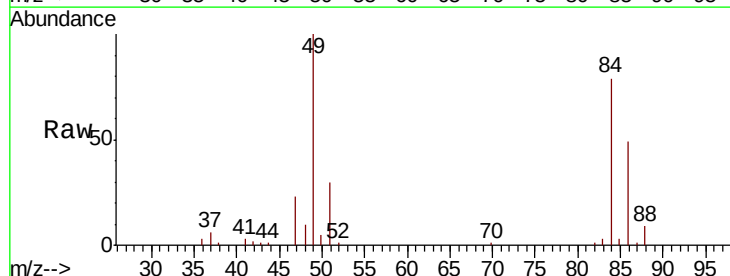
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

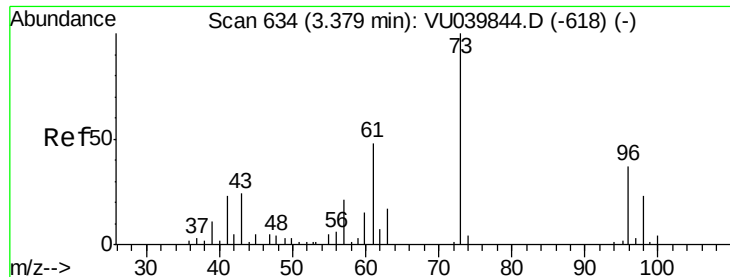
Tot Ion: 43 Resp: 13916
Ion Ratio Lower Upper
43 100
74 21.5 16.6 25.0



#16
Methylene chloride
Concen: 4.329 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU039857.D
Acq: 13 Aug 2020 17:40

Tgt Ion: 84 Resp: 29462
Ion Ratio Lower Upper
84 100
86 62.3 43.9 81.5
49 126.9 94.4 175.4

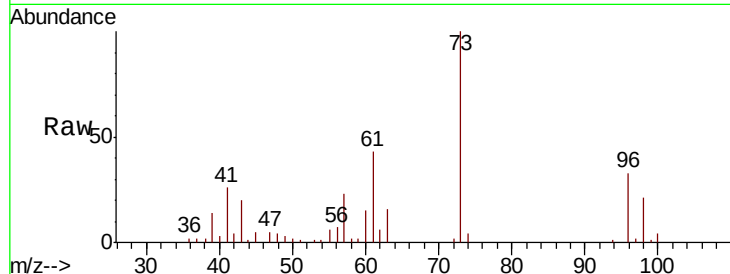




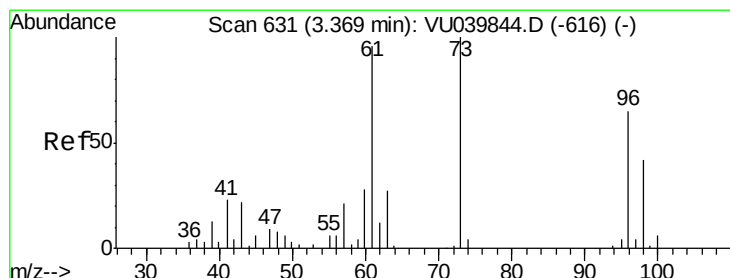
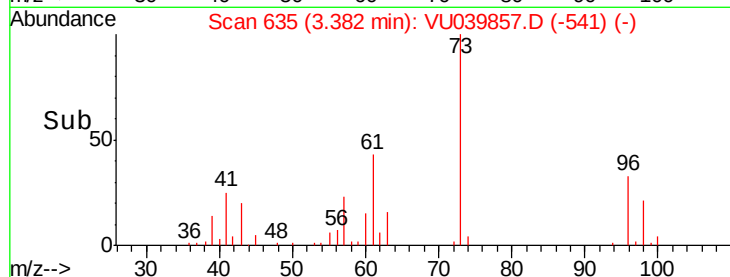
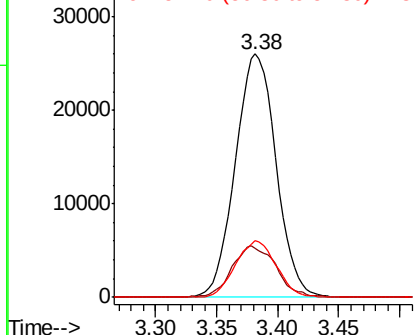
#17
Methyl tert-butyl Ether
Concen: 5.373 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039857.D
Acq: 13 Aug 2020 17:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion: 73 Resp: 60226
Ion Ratio Lower Upper
73 100
43 23.0 18.2 27.4
57 23.1 17.8 26.8

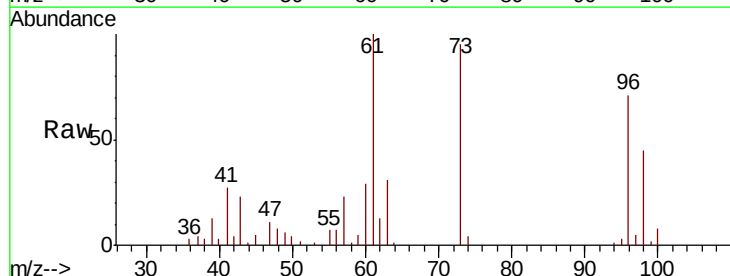


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

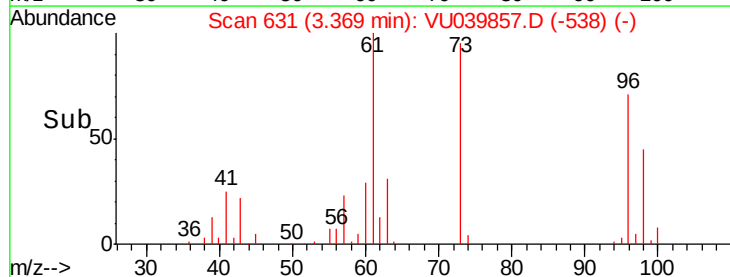
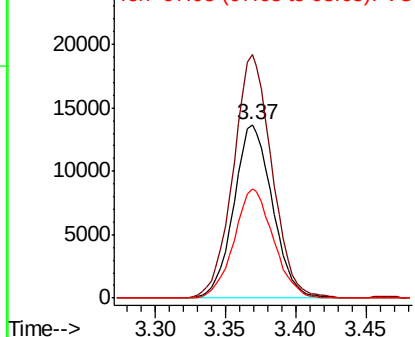


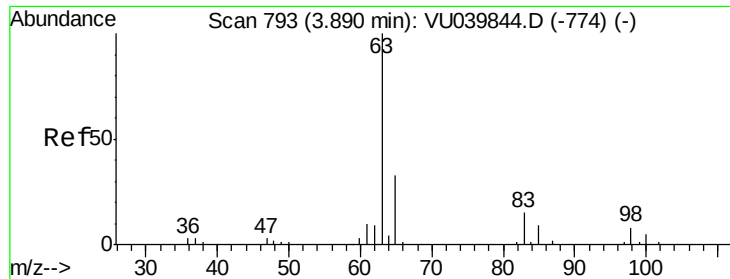
#18
trans-1,2-Dichloroethene
Concen: 5.575 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039857.D
Acq: 13 Aug 2020 17:40

Tgt Ion: 96 Resp: 26199
Ion Ratio Lower Upper
96 100
61 140.4 96.5 179.1
98 63.1 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

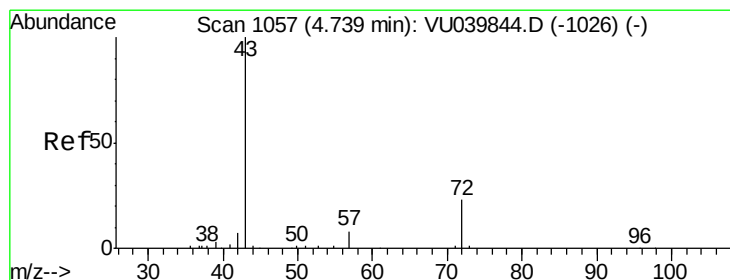
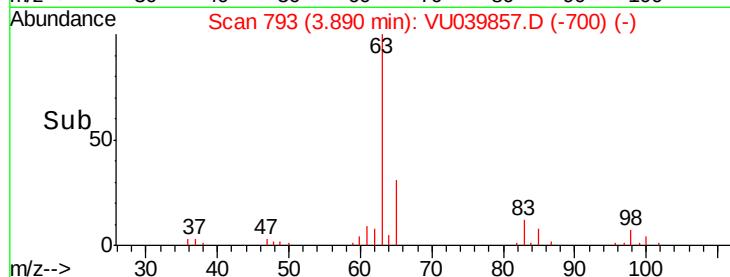
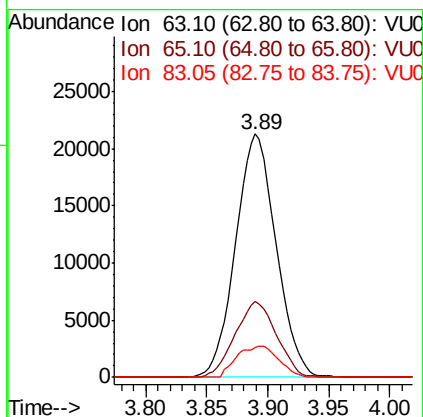
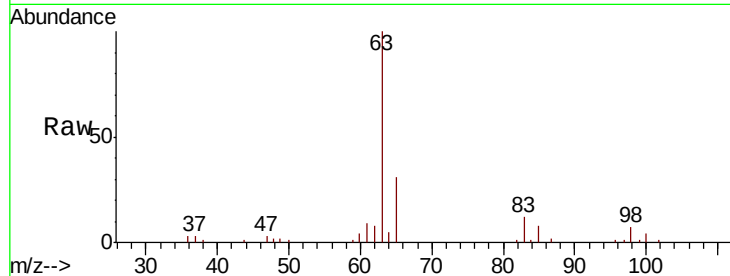




#19
 1,1-Dichloroethane
 Concen: 5.634 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

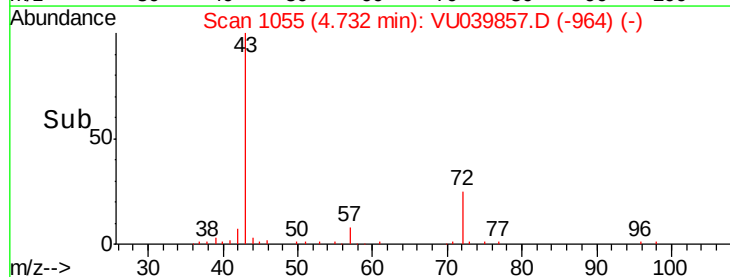
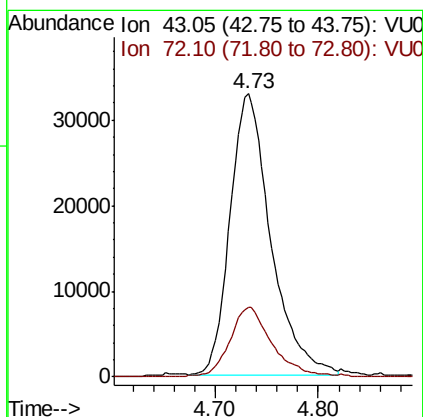
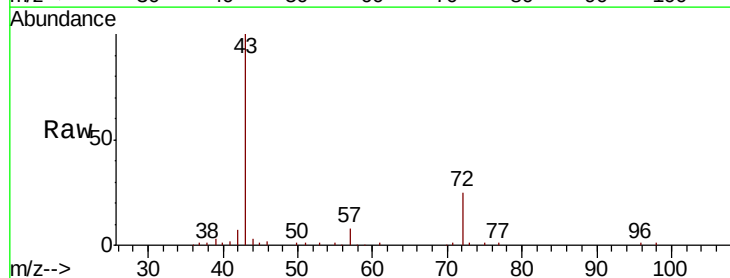
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

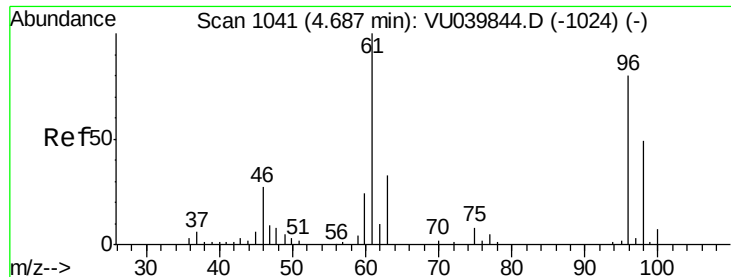
Tot Ion: 63 Resp: 48885
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.0 41.0
 83 12.4 10.9 20.2



#21
 2-Butanone
 Concen: 57.636 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

Tgt Ion: 43 Resp: 89995
 Ion Ratio Lower Upper
 43 100
 72 25.8 13.0 39.0





#22

cis-1,2-Dichloroethene

Concen: 5.418 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

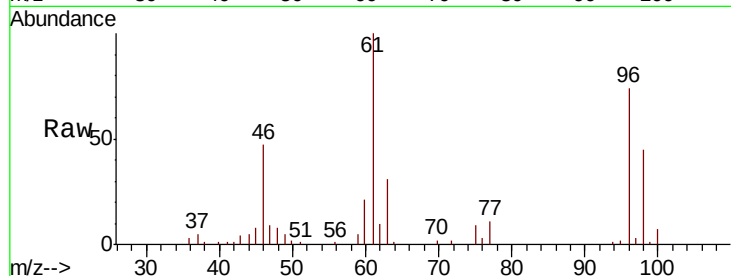
Tot Ion: 96 Resp: 27696

Ion Ratio Lower Upper

96 100

61 135.8 87.4 162.2

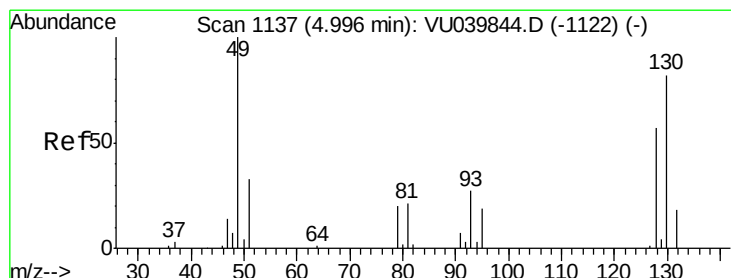
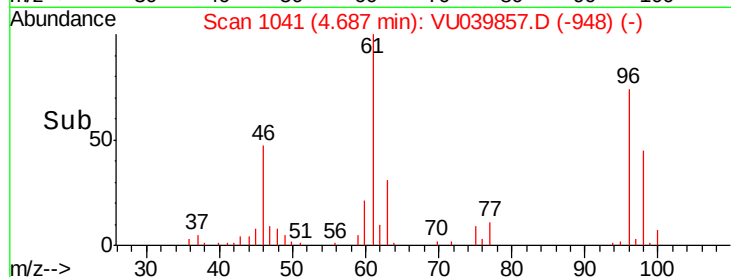
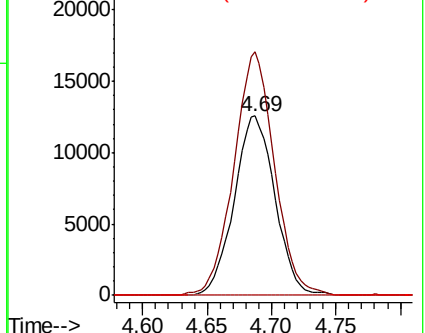
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.358 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

Tgt Ion: 128 Resp: 12863

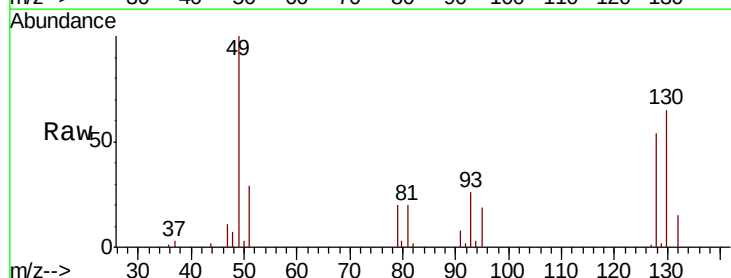
Ion Ratio Lower Upper

128 100

49 183.6 110.3 204.9

130 119.8 82.0 152.4

51 52.4 40.8 61.2

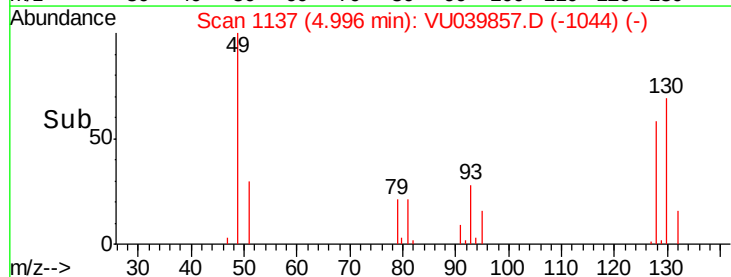
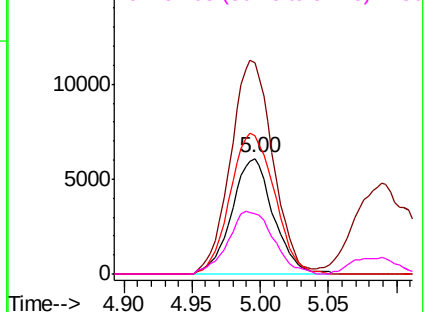


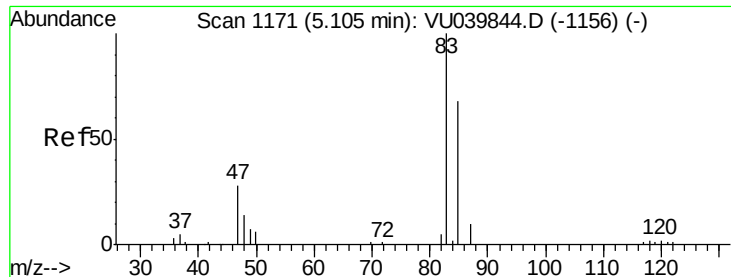
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

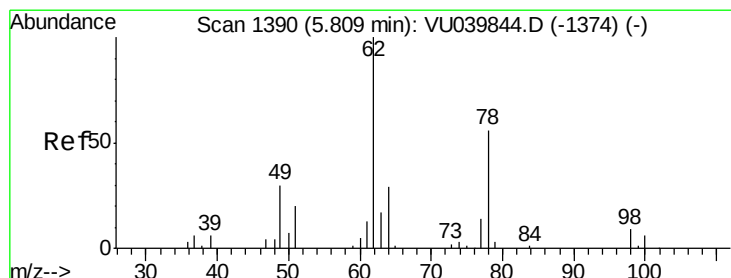
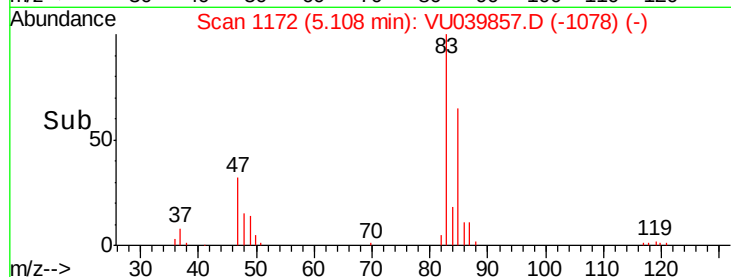
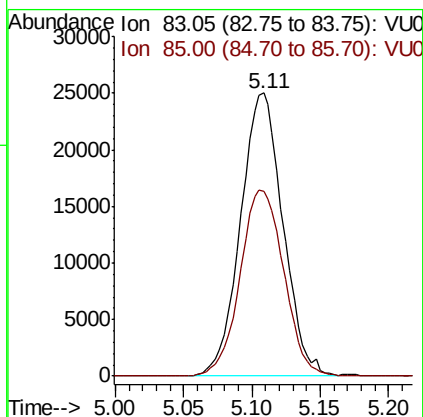
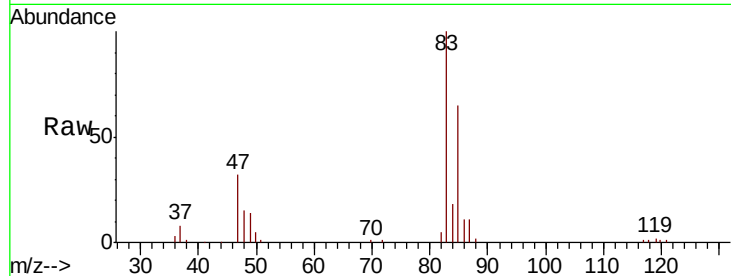




#25
Chloroform
Concen: 5.786 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039857.D
Acq: 13 Aug 2020 17:40

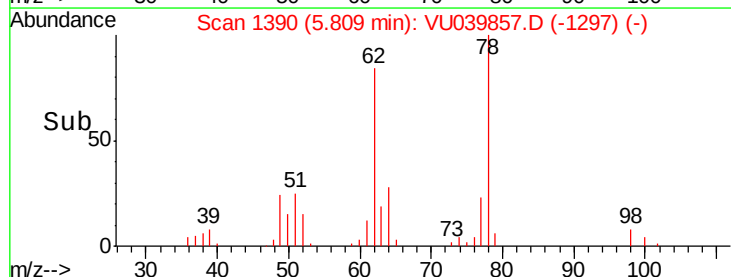
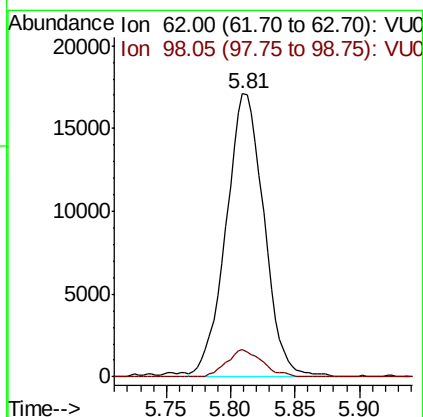
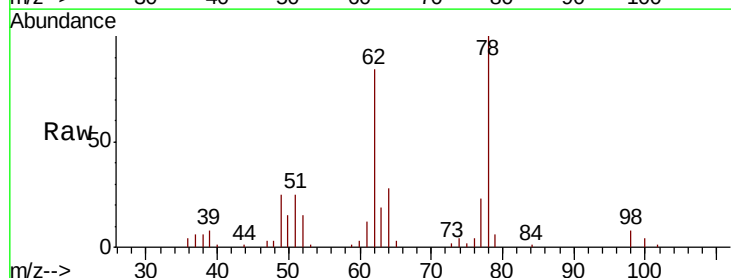
Instrument :
MSVOA_U
ClientSampled :
VSTD00520

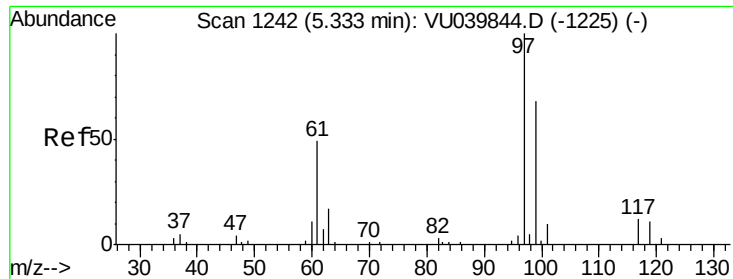
Tot Ion: 83 Resp: 53965
Ion Ratio Lower Upper
83 100
85 65.1 42.1 78.3



#27
1,2-Dichloroethane
Concen: 5.461 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU039857.D
Acq: 13 Aug 2020 17:40

Tgt Ion: 62 Resp: 35100
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9

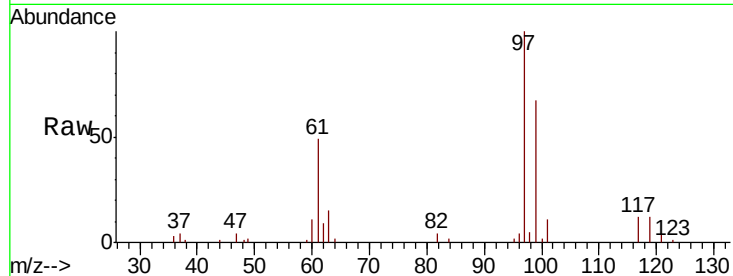




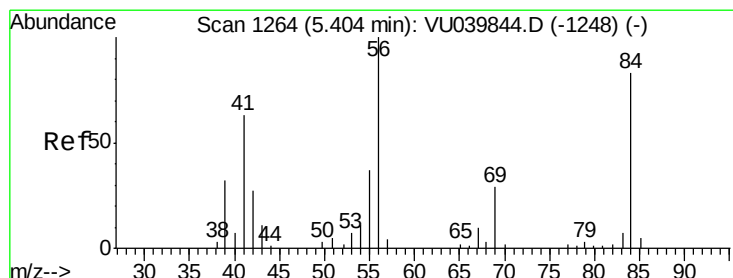
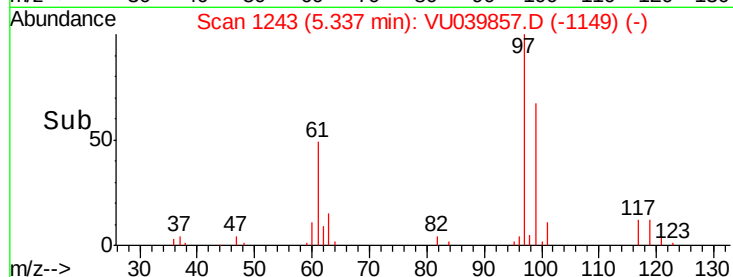
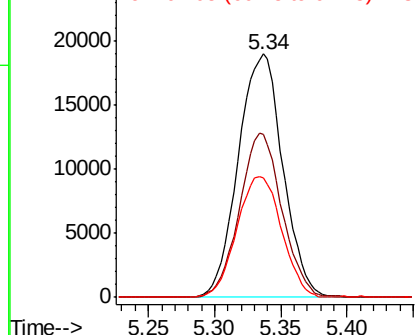
#29
1,1,1-Trichloroethane
Concen: 5.646 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VU039857.D
Acq: 13 Aug 2020 17:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion: 97 Resp: 44220
Ion Ratio Lower Upper
97 100
99 64.0 52.8 79.2
61 49.7 40.5 60.7

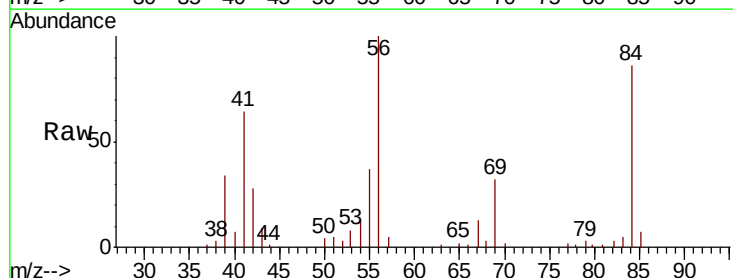


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

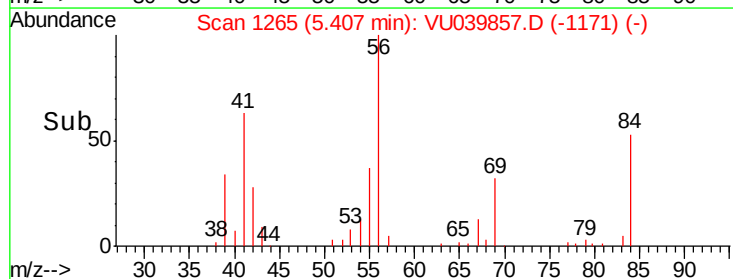
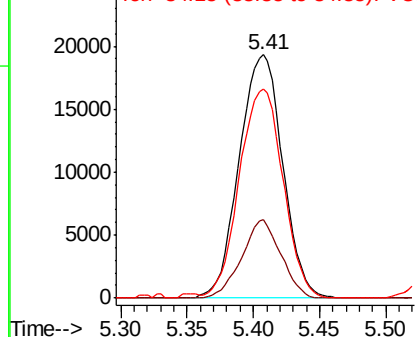


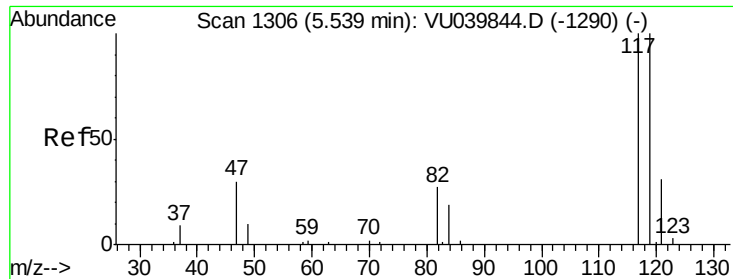
#30
Cyclohexane
Concen: 5.849 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU039857.D
Acq: 13 Aug 2020 17:40

Tgt Ion: 56 Resp: 44079
Ion Ratio Lower Upper
56 100
69 28.8 24.4 36.6
84 86.5 71.3 106.9



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

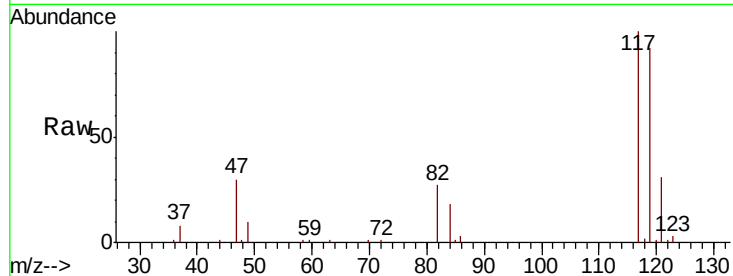




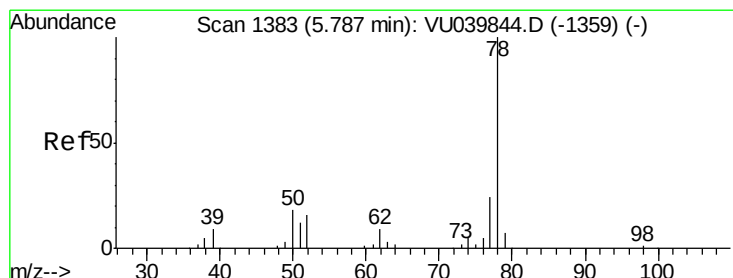
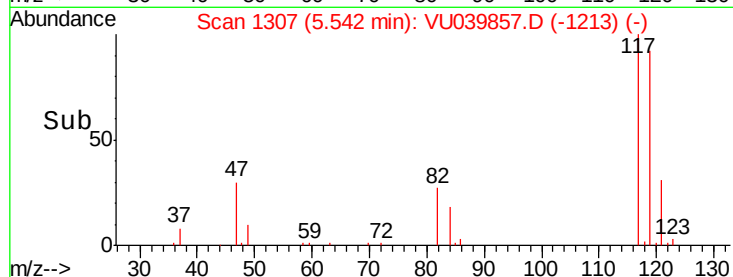
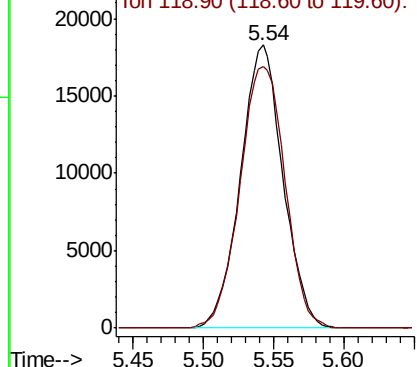
#31
Carbon tetrachloride
Concen: 5.363 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU039857.D
Acq: 13 Aug 2020 17:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

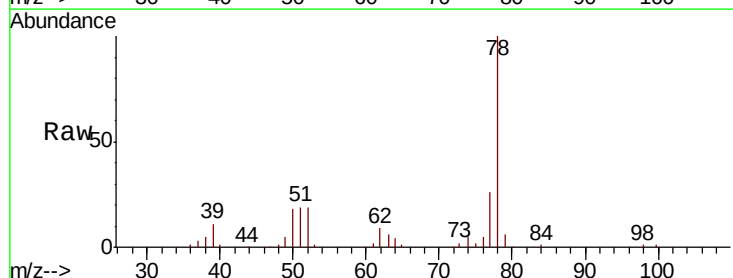
Tot Ion:117 Resp: 38539
Ion Ratio Lower Upper
117 100
119 98.2 75.5 113.3



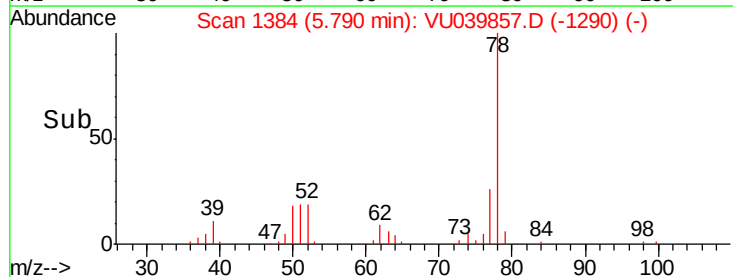
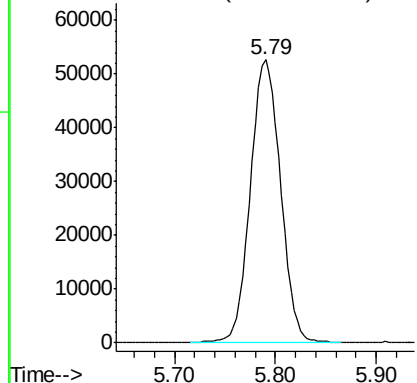
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

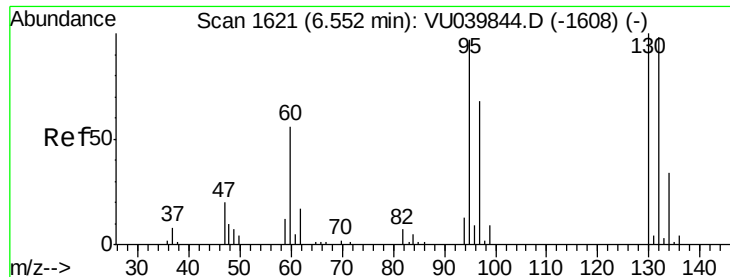


#33
Benzene
Concen: 5.698 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039857.D
Acq: 13 Aug 2020 17:40
Tgt Ion: 78 Resp: 109005



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.665 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tot Ion: 95 Resp: 28144

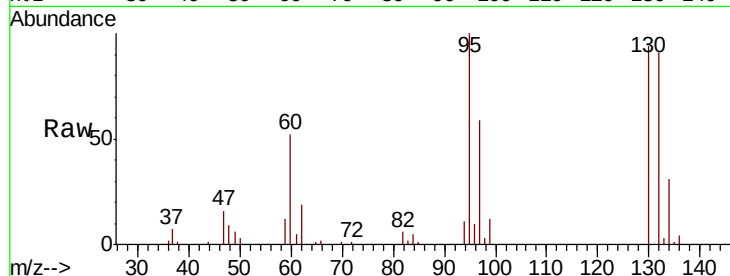
Ion Ratio Lower Upper

95 100

97 59.2 44.0 81.8

132 91.2 71.7 133.3

130 94.3 71.1 132.1

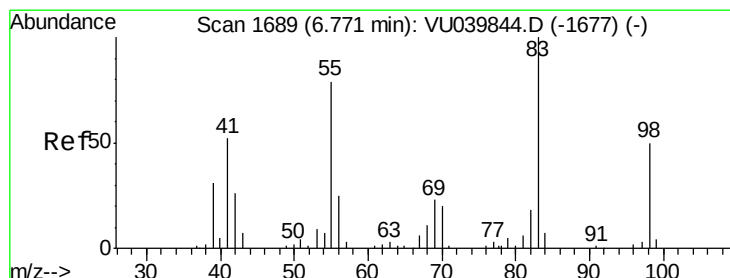
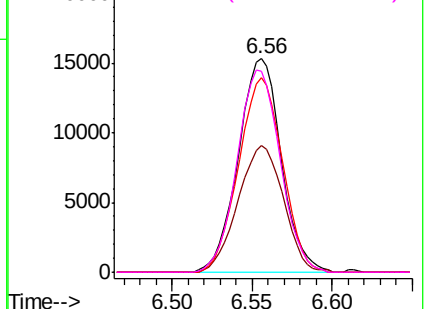
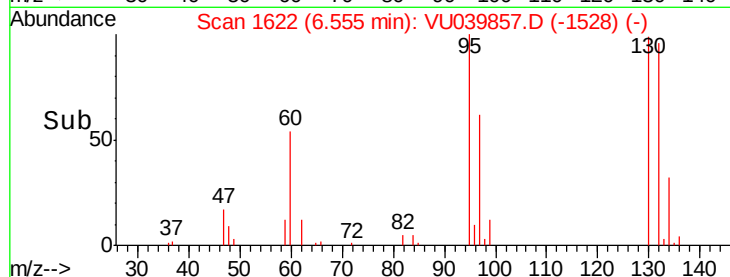


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.535 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

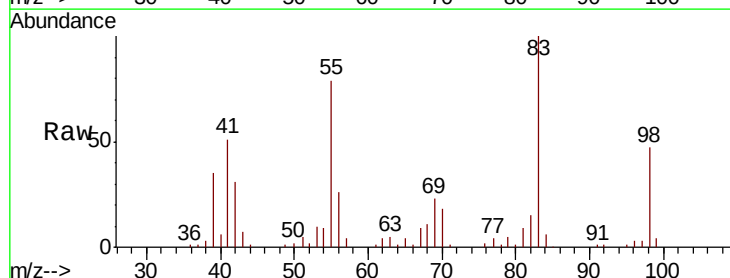
Tgt Ion: 83 Resp: 43893

Ion Ratio Lower Upper

83 100

55 80.8 59.4 89.0

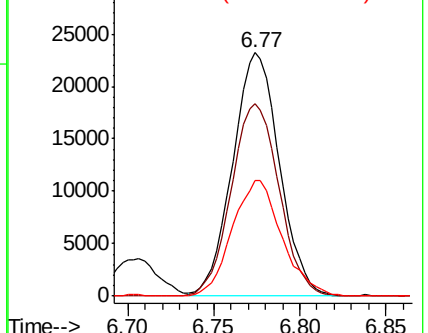
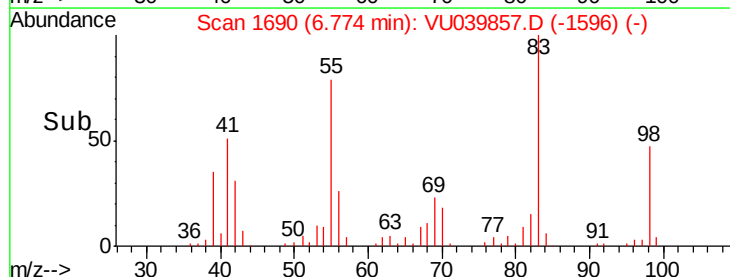
98 50.4 39.0 58.4

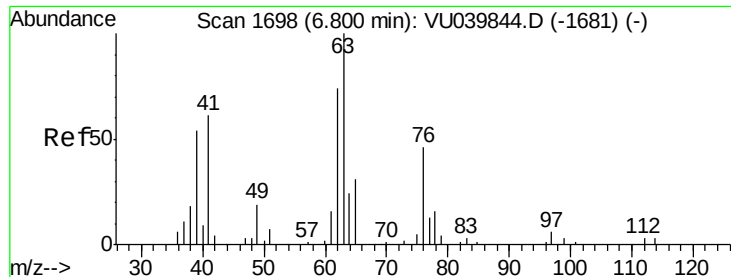


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

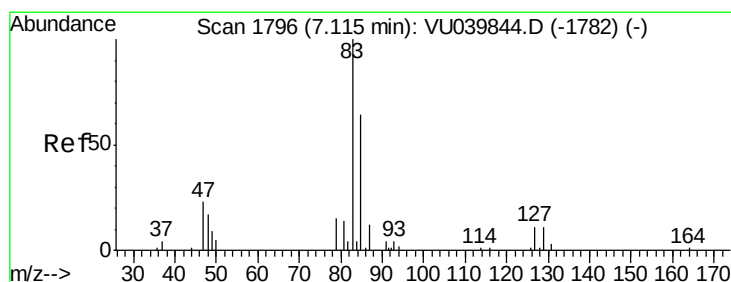
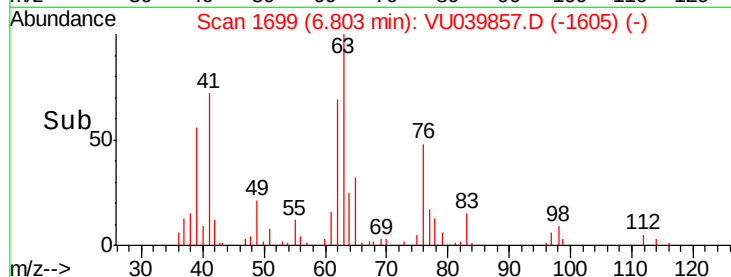
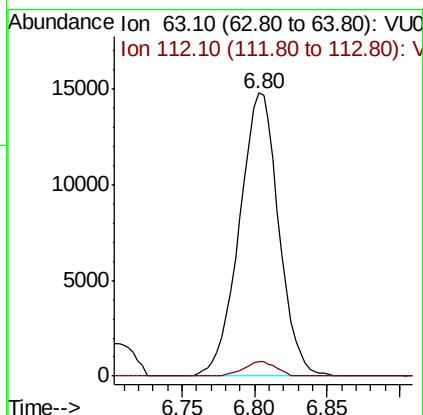
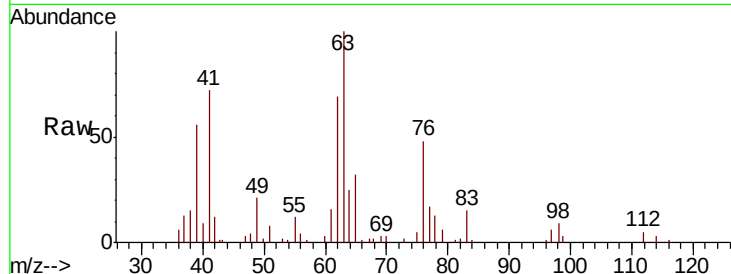




#37
 1,2-Dichloropropane
 Concen: 5.504 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

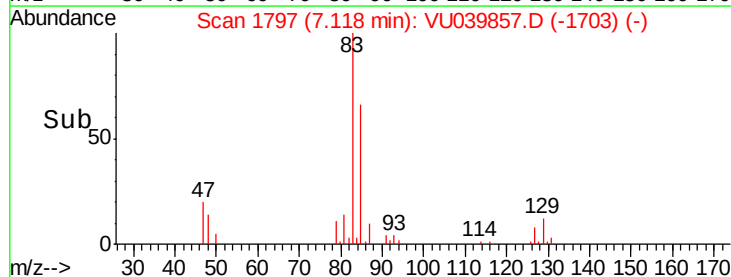
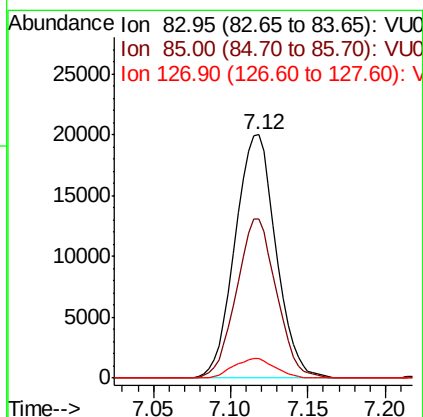
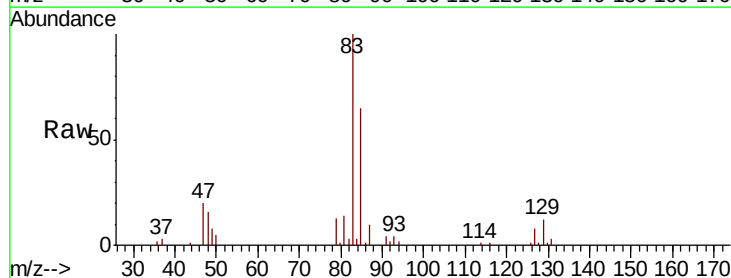
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

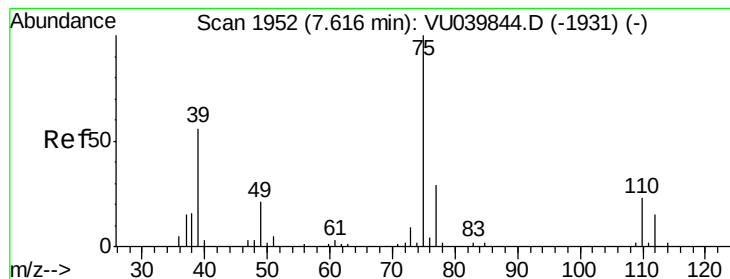
Tot Ion: 63 Resp: 27963
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.8 5.6



#38
 Bromodichloromethane
 Concen: 5.520 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

Tgt Ion: 83 Resp: 36692
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.3 84.1
 127 8.0 7.5 11.3



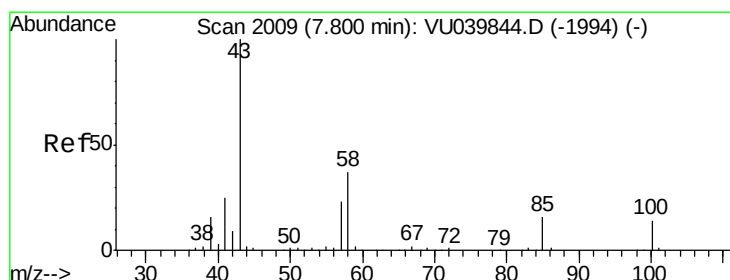
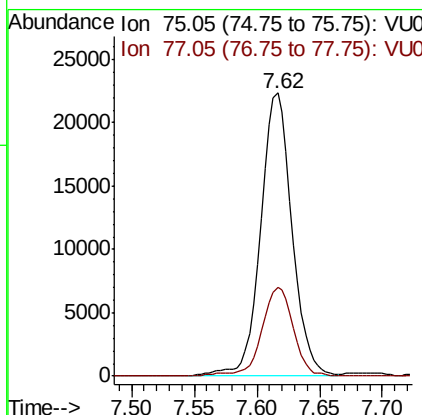
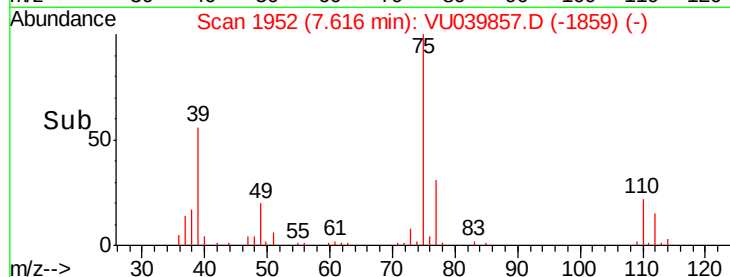
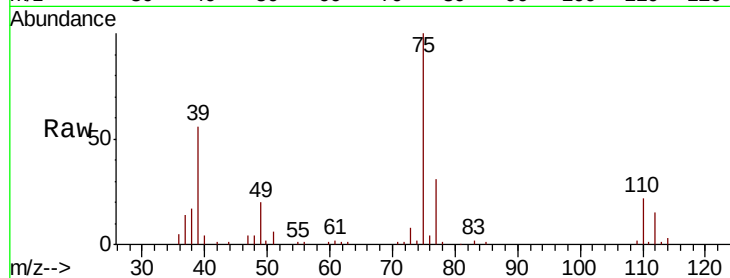


#39

cis-1,3-Dichloropropene
 Concen: 5.633 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

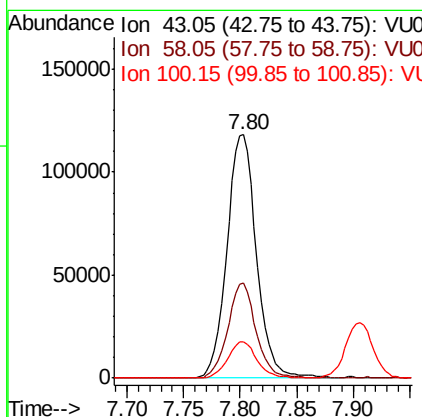
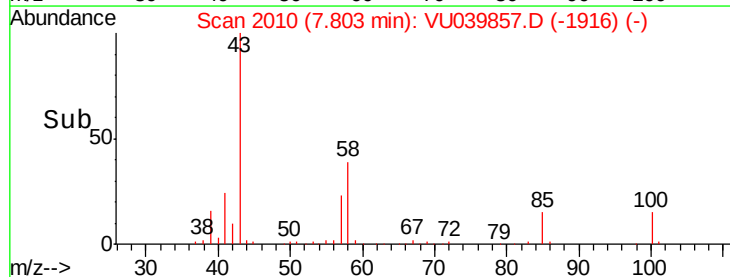
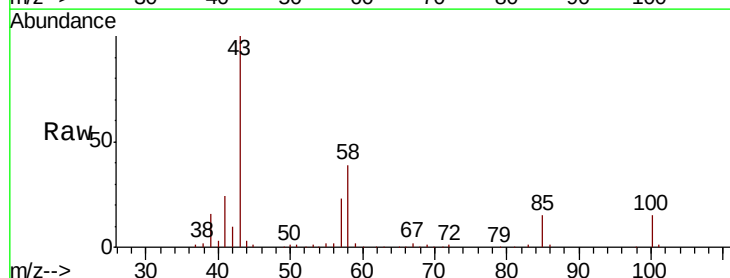
Tot Ion: 75 Resp: 39030
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.4 41.6

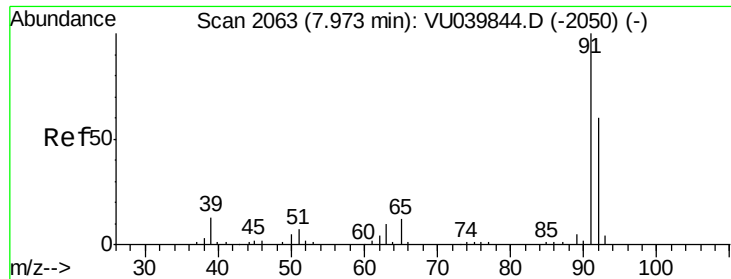


#40

4-Methyl-2-pentanone
 Concen: 56.404 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

Tgt Ion: 43 Resp: 214155
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.4 44.2
 100 14.8 11.7 17.5





#42

Toluene

Concen: 5.481 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

Instrument :

MSVOA_U

ClientSampleId :

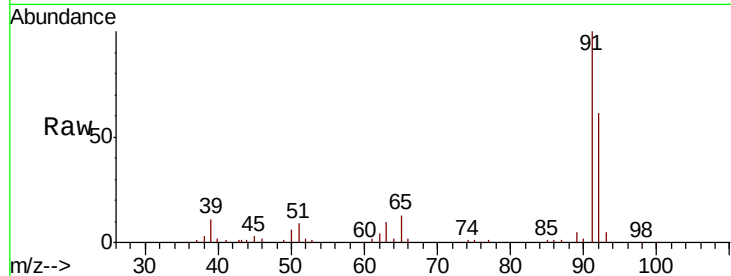
VSTD00520

Tot Ion: 91 Resp: 110181

Ion Ratio Lower Upper

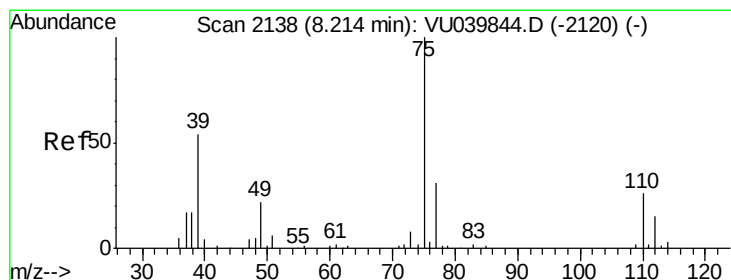
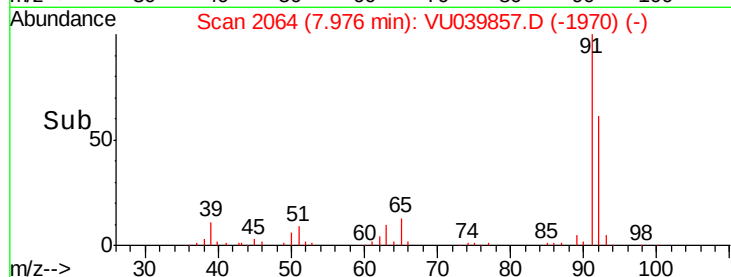
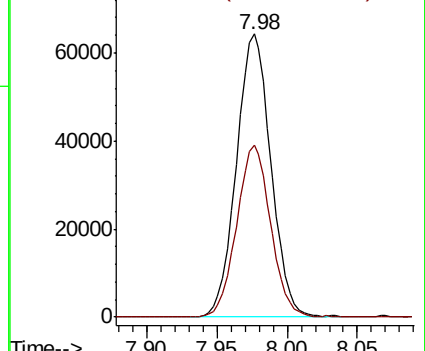
91 100

92 60.8 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039844.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039857.D (-1970) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.555 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039857.D

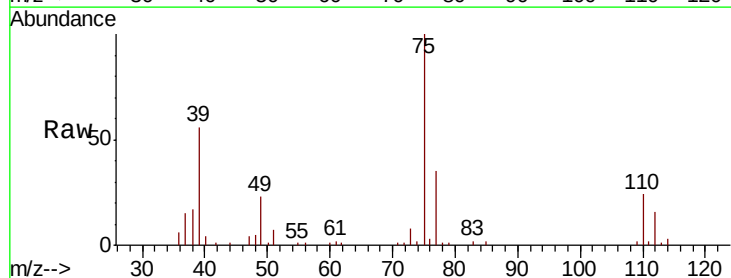
Acq: 13 Aug 2020 17:40

Tgt Ion: 75 Resp: 34678

Ion Ratio Lower Upper

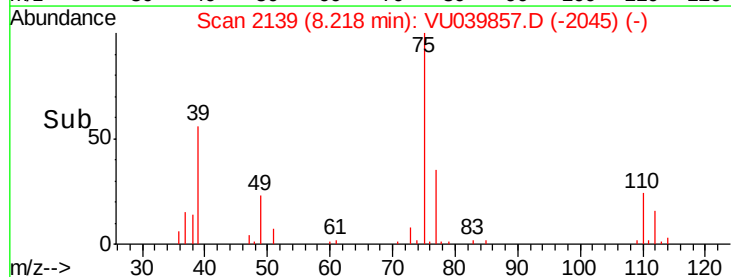
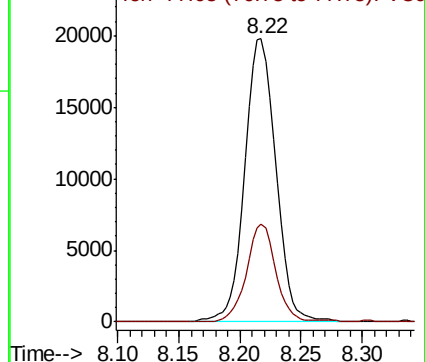
75 100

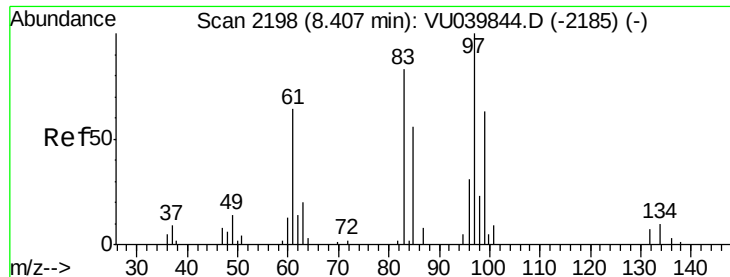
77 34.5 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU039844.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU039857.D (-2045) (-)

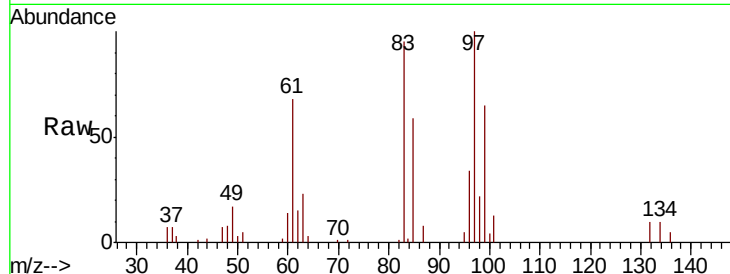




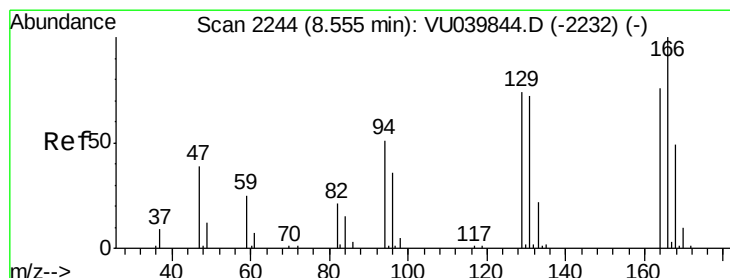
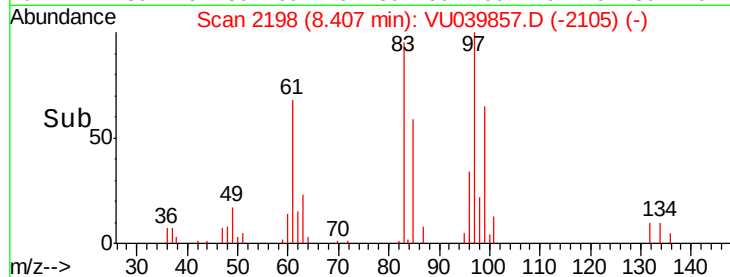
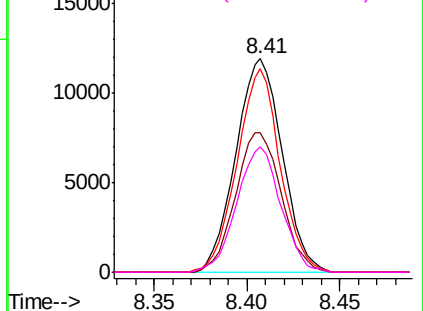
#45
 1,1,2-Trichloroethane
 Concen: 5.411 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion:	97	Resp:	20680
Ion	Ratio	Lower	Upper
97	100		
99	65.4	42.0	78.0
83	95.3	55.2	102.4
85	58.7	37.0	68.6

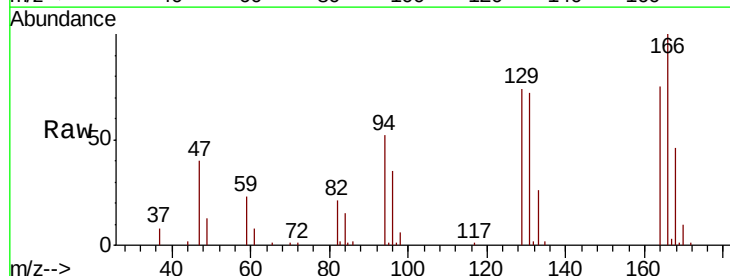


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

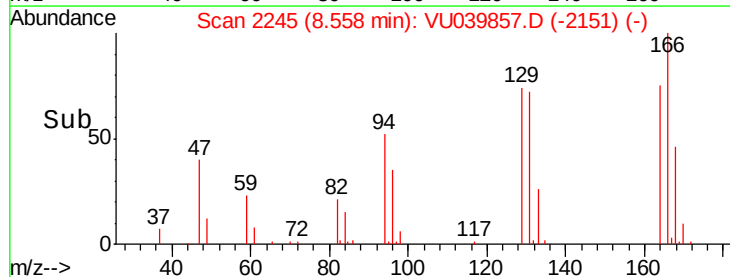
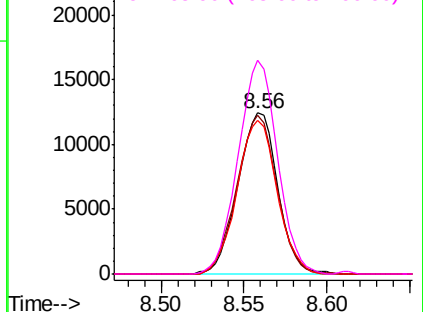


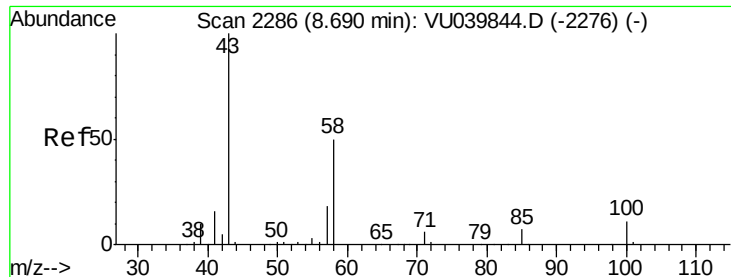
#47
 Tetrachloroethene
 Concen: 5.066 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

Tgt Ion:	164	Resp:	20762
Ion	Ratio	Lower	Upper
164	100		
129	98.3	65.9	122.5
131	95.1	68.1	126.5
166	132.6	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

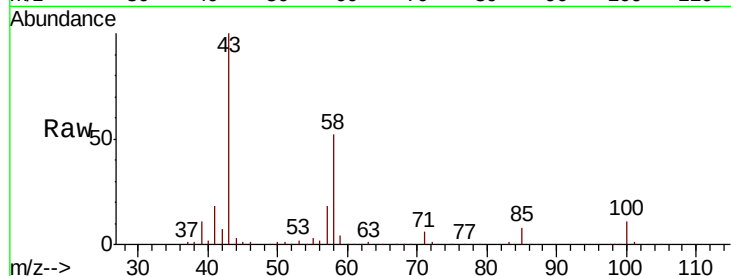




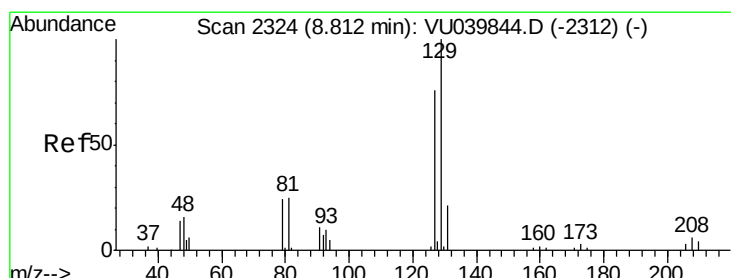
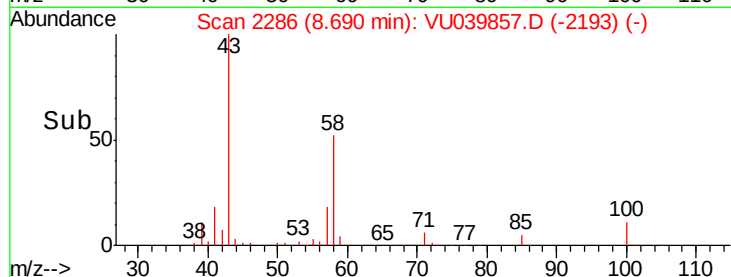
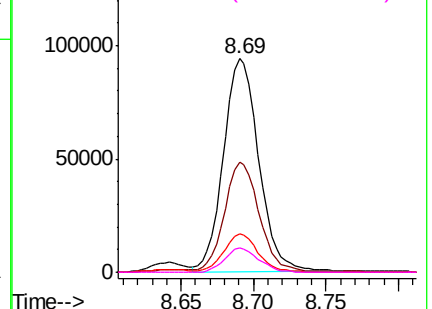
#48
2-Hexanone
Concen: 57.895 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU039857.D
Acq: 13 Aug 2020 17:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion: 43 Resp: 158732
Ion Ratio Lower Upper
43 100
58 51.3 41.8 62.8
57 17.2 14.2 21.4
100 11.0 9.4 14.2

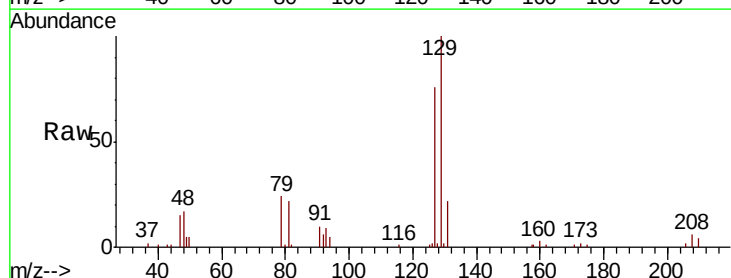


Abundance Ion 43.05 (42.75 to 43.75): VU039844.D (-2276) (-)
Ion 58.05 (57.75 to 58.75): VU039844.D (-2276) (-)
Ion 57.20 (56.90 to 57.90): VU039844.D (-2276) (-)
Ion 100.15 (99.85 to 100.85): VU039844.D (-2276) (-)

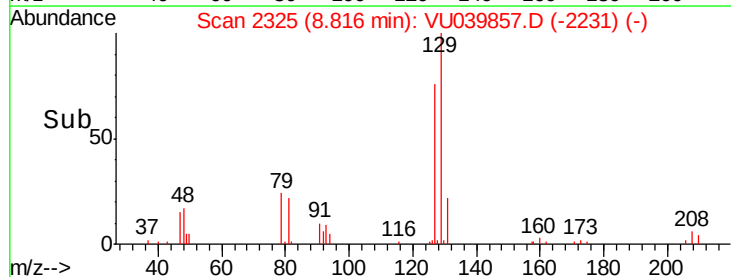
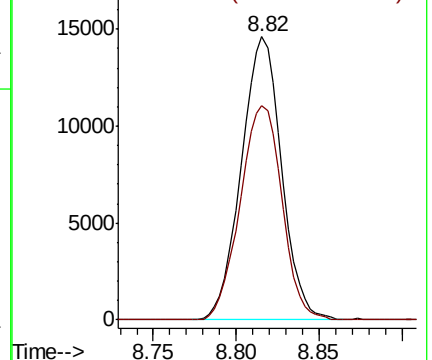


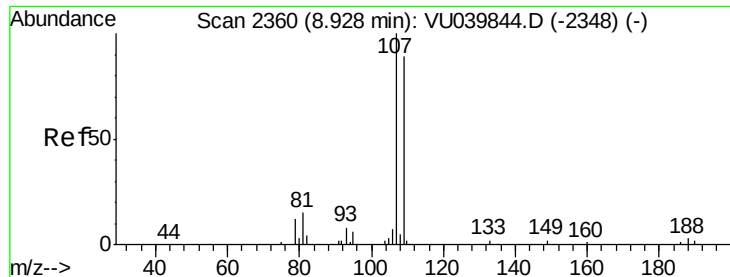
#49
Dibromochloromethane
Concen: 5.257 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039857.D
Acq: 13 Aug 2020 17:40

Tgt Ion: 129 Resp: 24656
Ion Ratio Lower Upper
129 100
127 75.6 53.0 98.4



Abundance Ion 128.95 (128.65 to 129.65): VU039844.D (-2312) (-)
Ion 126.90 (126.60 to 127.60): VU039844.D (-2312) (-)

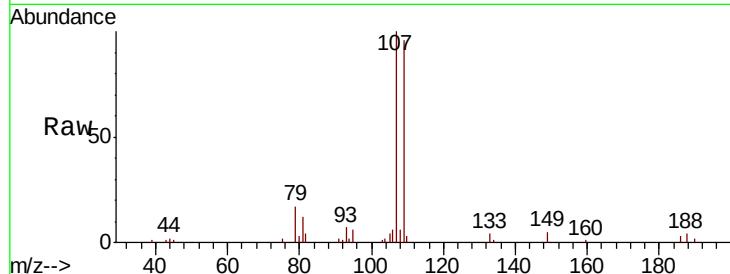




#50
 1,2-Dibromoethane
 Concen: 5.347 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	63.9	118.7
188	3.7	2.9	4.3

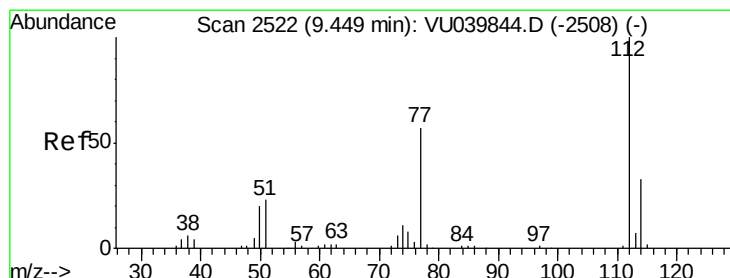
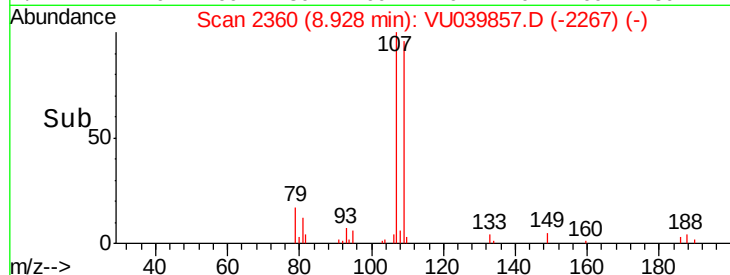
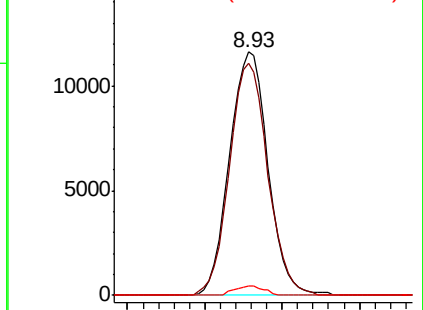


Abundance

Ion 106.95 (106.65 to 107.65): V

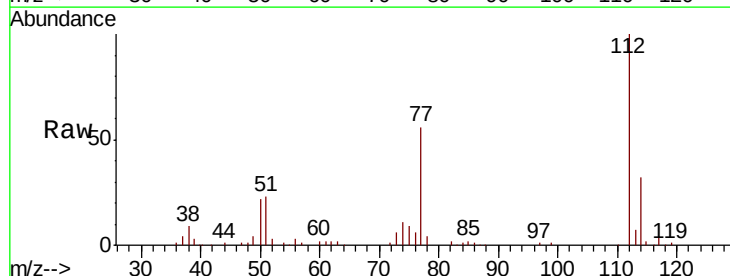
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 5.341 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	23.2	43.0
77	56.4	47.8	71.6

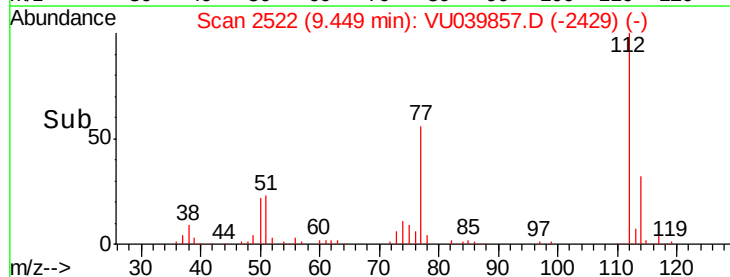
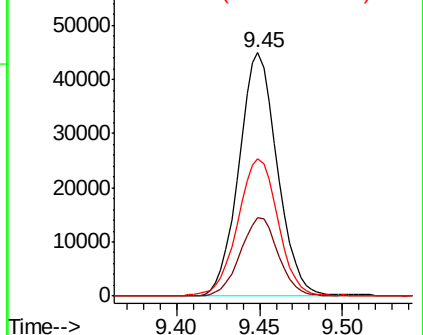


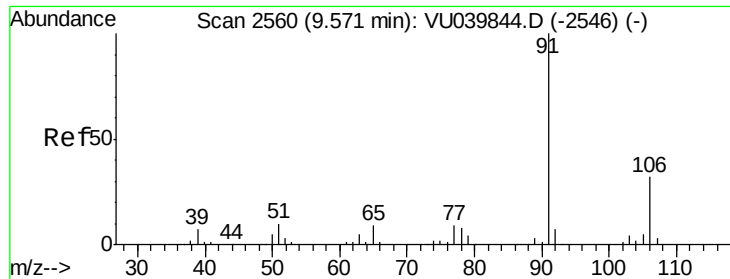
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 5.381 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

Instrument :

MSVOA_U

ClientSampleId :

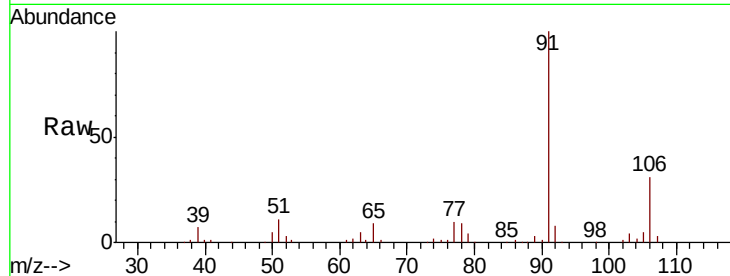
VSTD00520

Tot Ion: 91 Resp: 121075

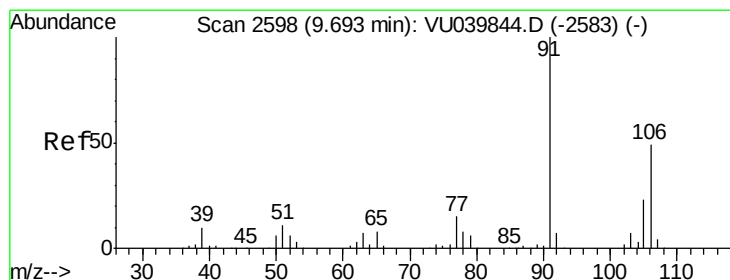
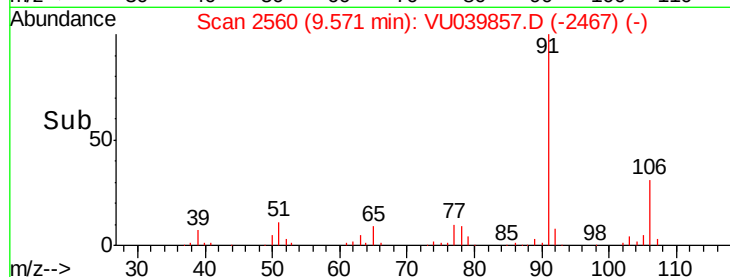
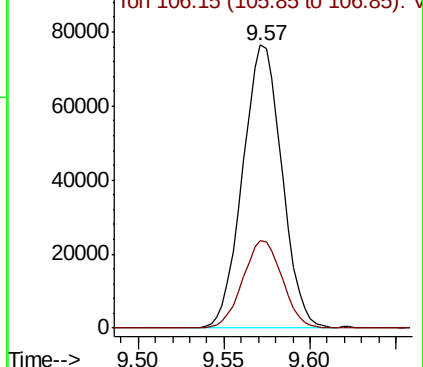
Ion Ratio Lower Upper

91 100

106 31.0 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039844.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.551 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039857.D

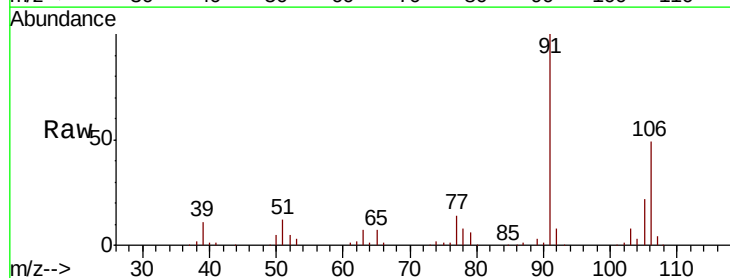
Acq: 13 Aug 2020 17:40

Tgt Ion:106 Resp: 47564

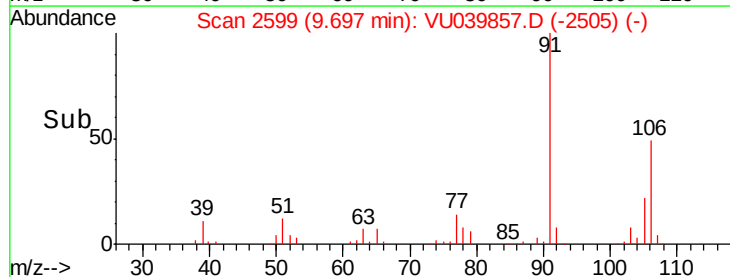
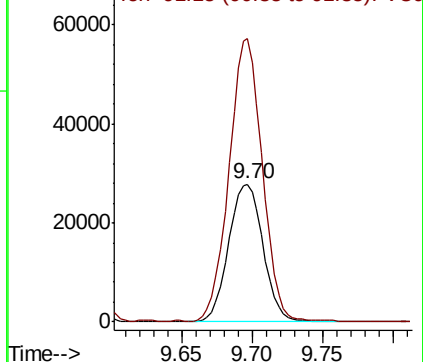
Ion Ratio Lower Upper

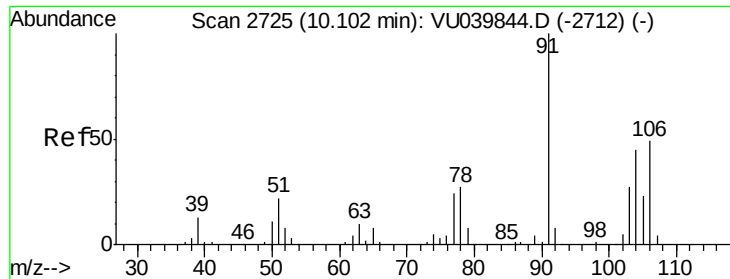
106 100

91 205.7 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039857.D (-2505) (-)

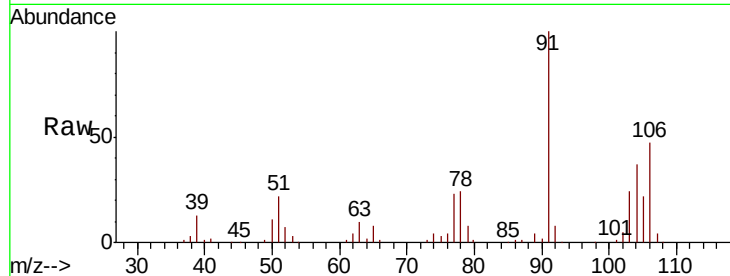




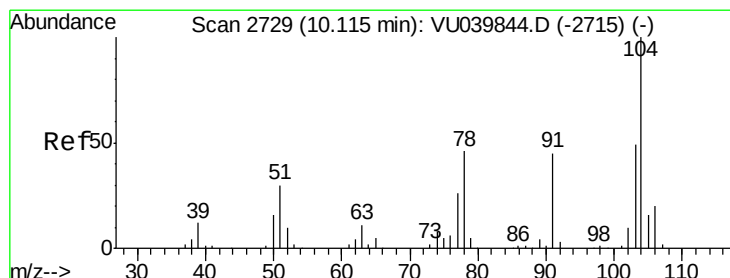
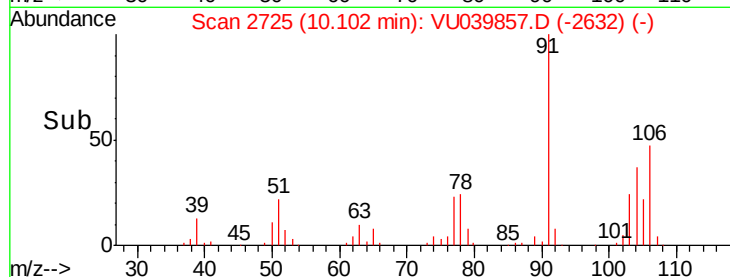
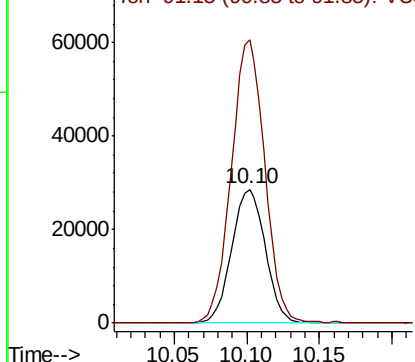
#54
o-Xylene
Concen: 5.498 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039857.D
Acq: 13 Aug 2020 17:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion:106 Resp: 46122
Ion Ratio Lower Upper
106 100
91 211.3 140.8 261.6

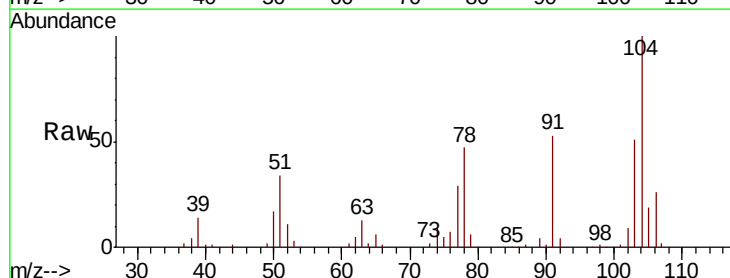


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

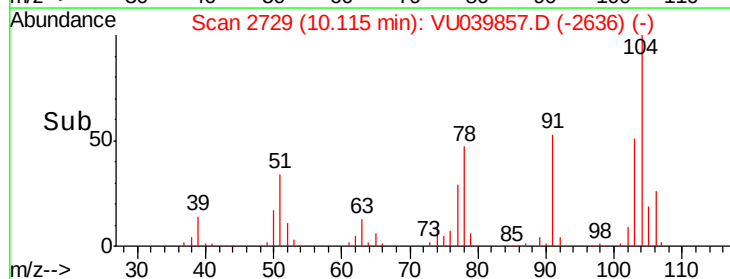
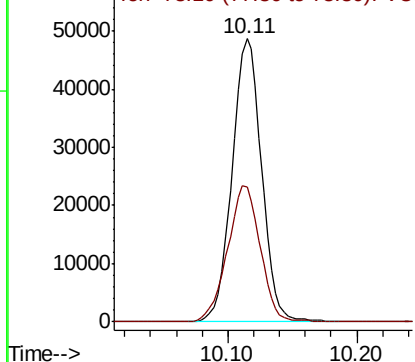


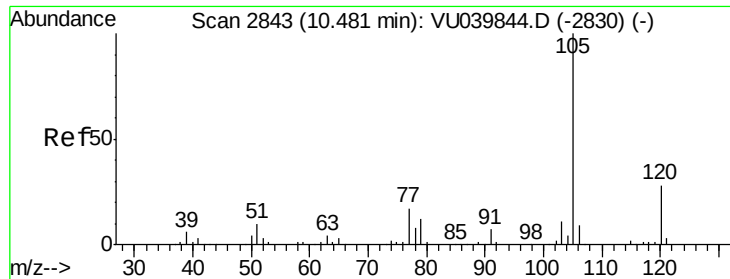
#55
Styrene
Concen: 5.472 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039857.D
Acq: 13 Aug 2020 17:40

Tgt Ion:104 Resp: 77298
Ion Ratio Lower Upper
104 100
78 47.5 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: 5.412 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

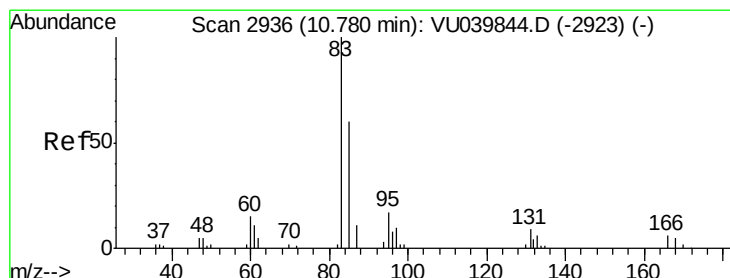
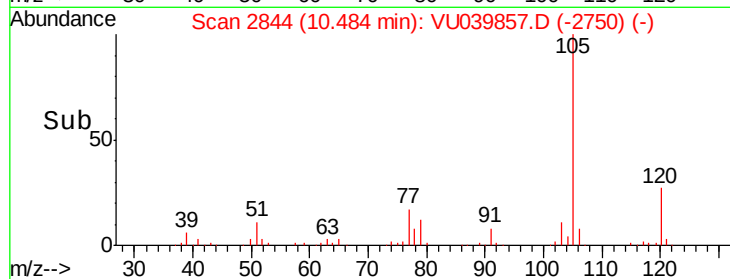
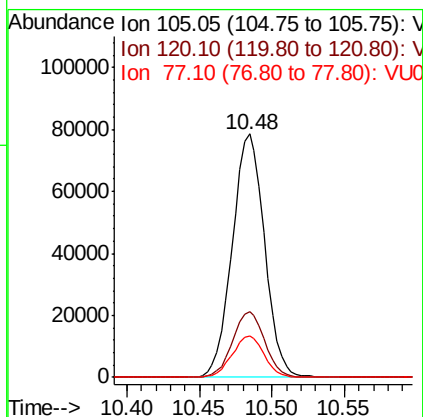
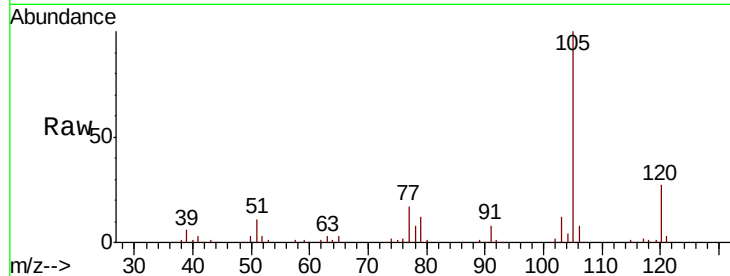
Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tot Ion:	105	Resp:	121347
Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.0	31.6
77	16.7	12.9	19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 5.303 ug/L

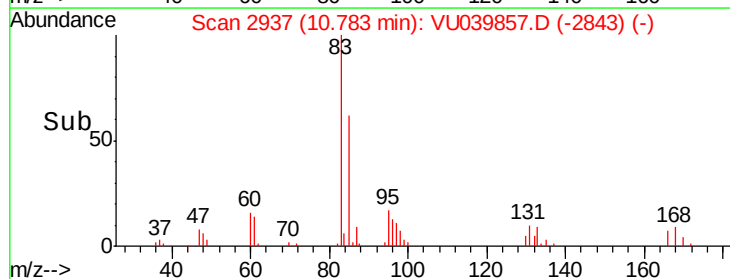
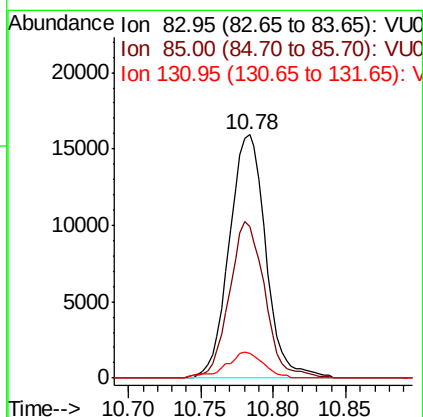
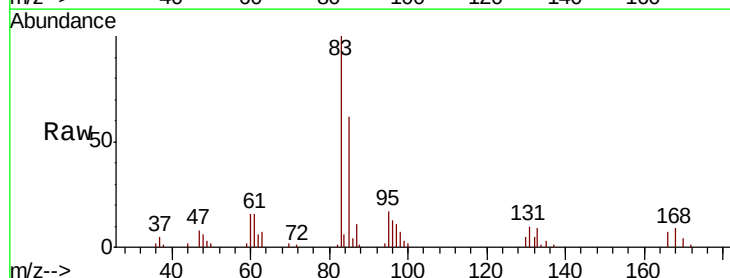
RT: 10.78 min Scan# 2937

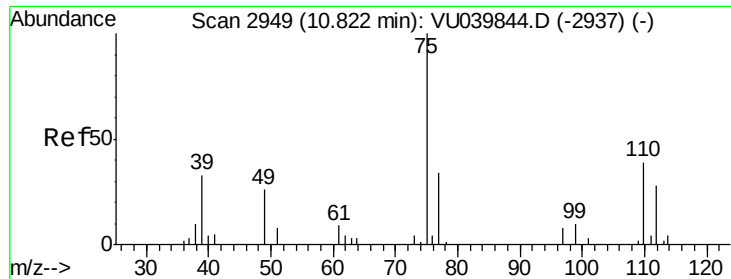
Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

Tgt Ion:	83	Resp:	27880
Ion	Ratio	Lower	Upper
83	100		
85	62.1	44.4	82.4
131	10.3	7.4	11.0





#59

1,2,3-Trichloropropane

Concen: 5.139 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

Instrument :

MSVOA_U

ClientSampleId :

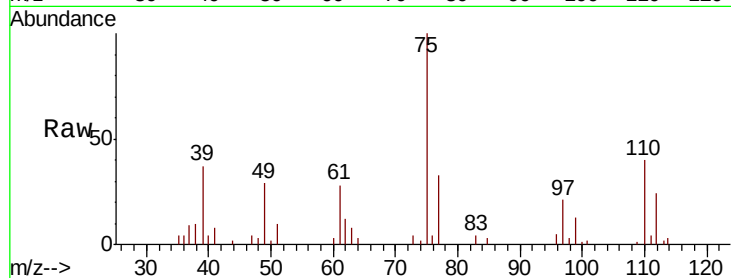
VSTD00520

Tot Ion: 75 Resp: 18834

Ion Ratio Lower Upper

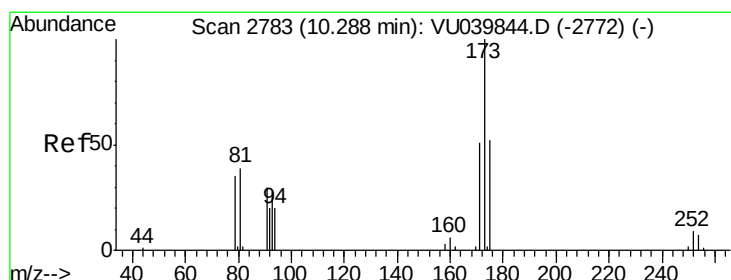
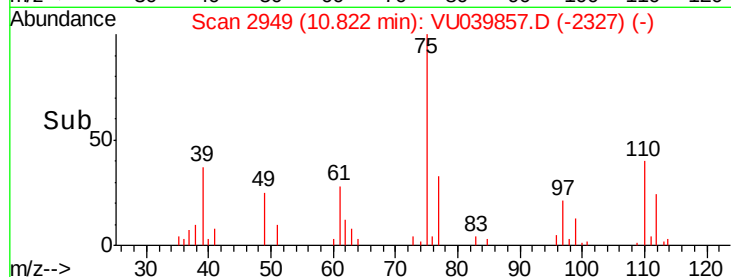
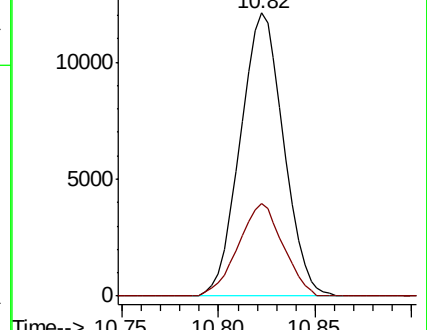
75 100

77 33.7 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU039844.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039844.D (-2937) (-)



#61

Bromoform

Concen: 5.327 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

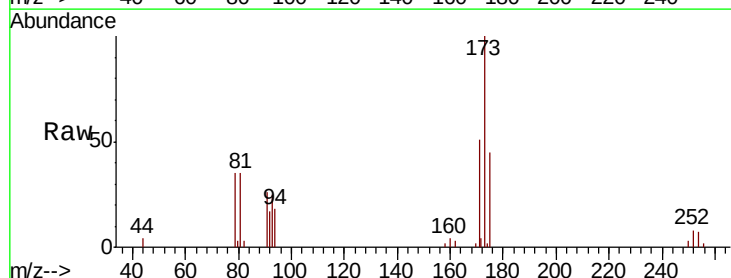
Tgt Ion: 173 Resp: 14103

Ion Ratio Lower Upper

173 100

175 46.0 33.8 50.8

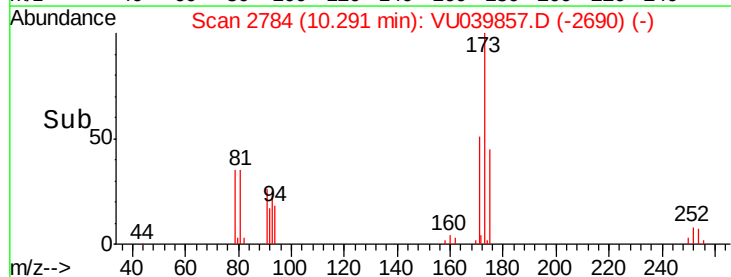
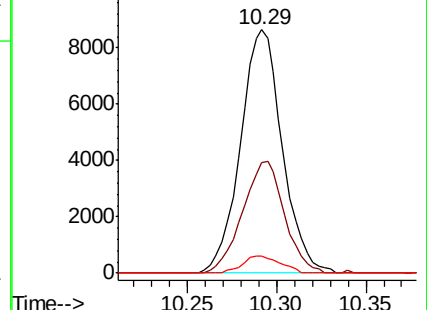
254 6.4 5.5 8.3

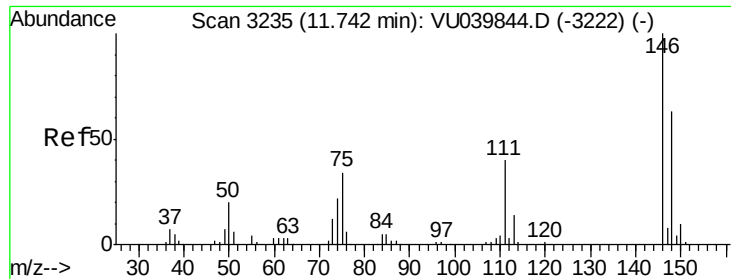


Abundance Ion 172.90 (172.60 to 173.60): VU039844.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039844.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039844.D (-2772) (-)

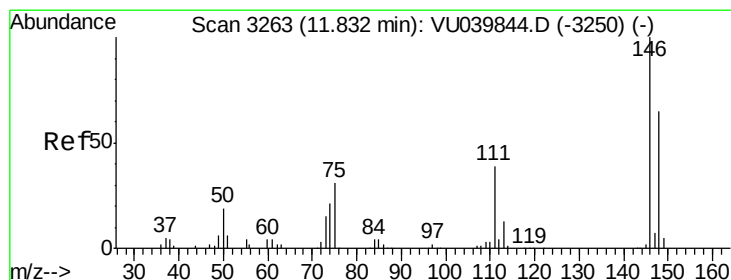
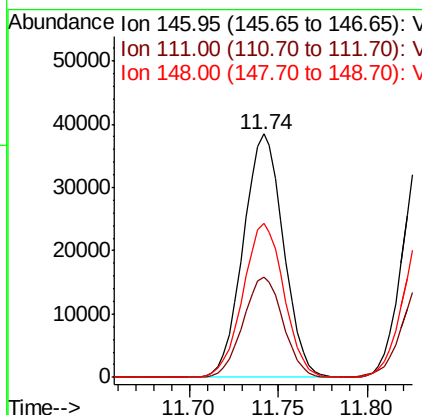
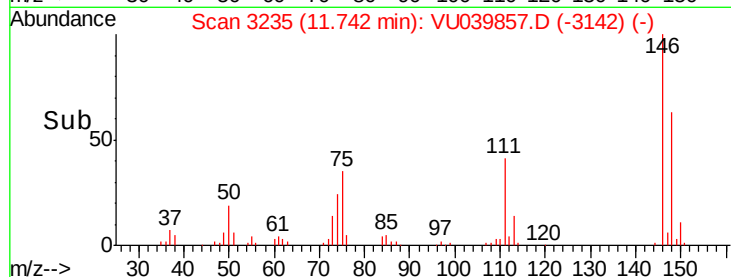
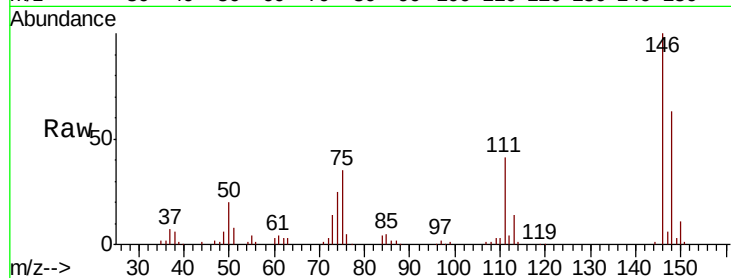




#62
 1,3-Dichlorobenzene
 Concen: 5.267 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

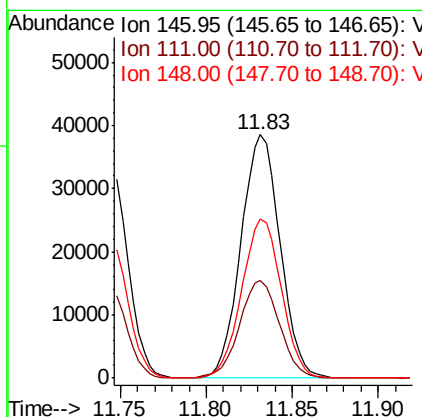
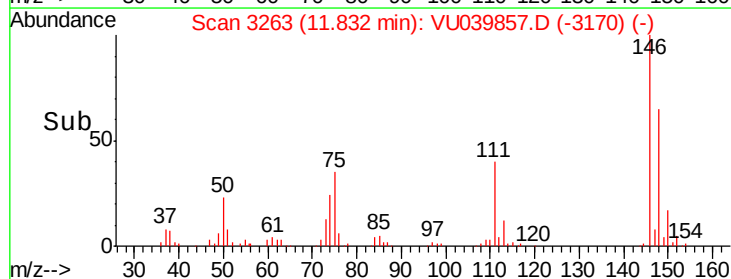
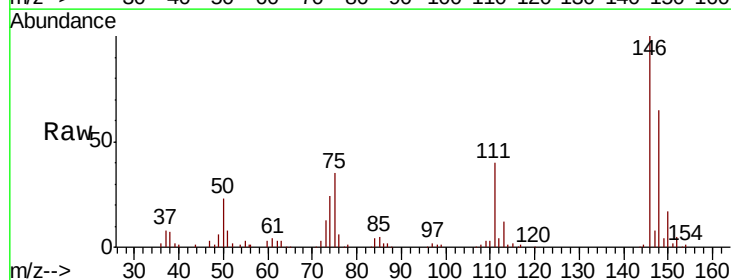
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

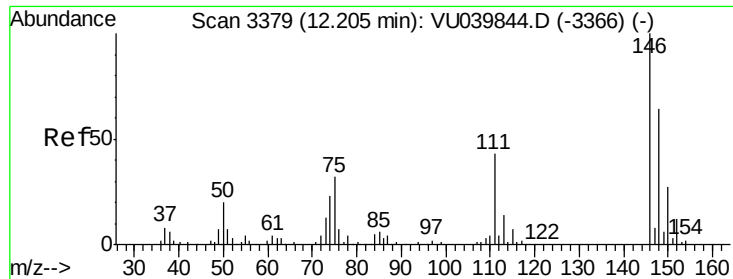
Tot Ion:146 Resp: 60403
 Ion Ratio Lower Upper
 146 100
 111 41.4 27.7 51.5
 148 63.1 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 5.035 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

Tgt Ion:146 Resp: 60864
 Ion Ratio Lower Upper
 146 100
 111 40.2 26.5 49.3
 148 65.2 45.3 84.1

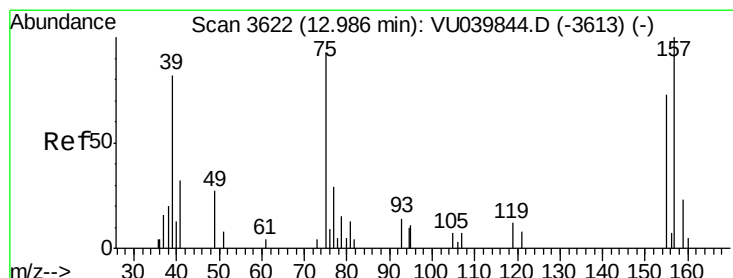
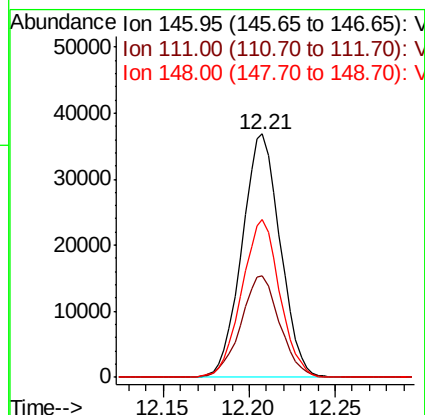
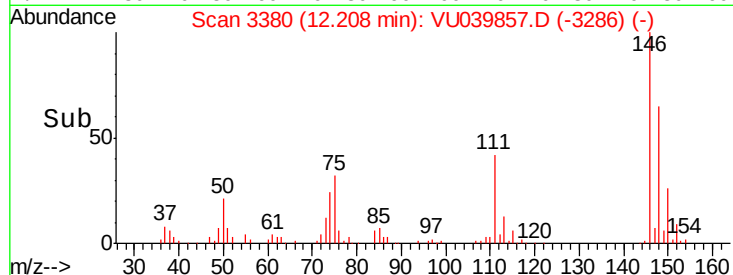
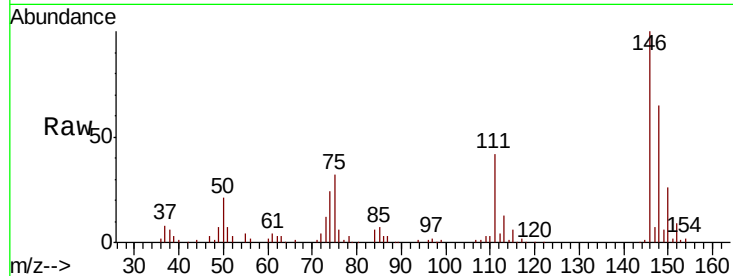




#65
 1,2-Dichlorobenzene
 Concen: 5.027 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

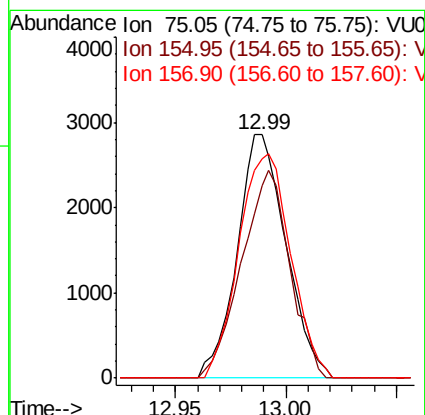
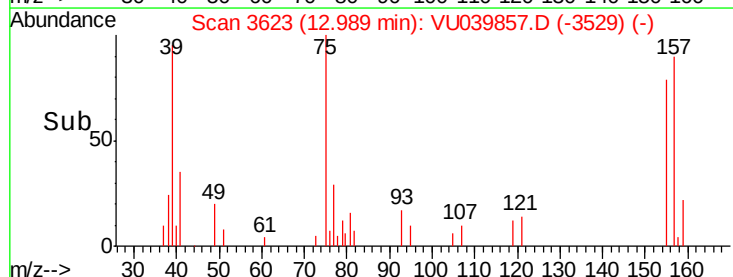
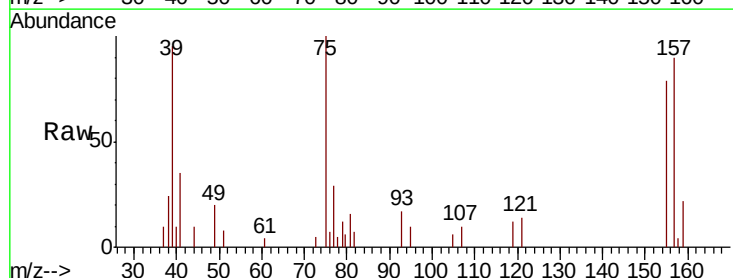
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

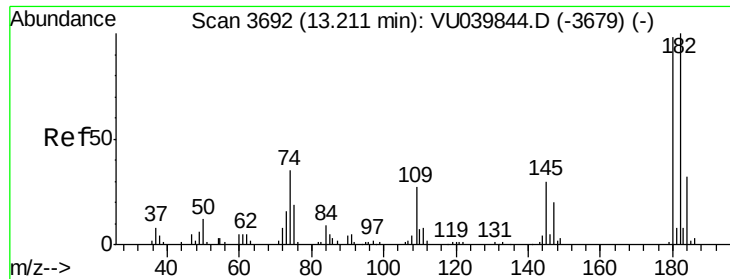
Tot Ion:146 Resp: 56795
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.1 49.7
 148 64.6 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.137 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

Tgt Ion: 75 Resp: 4388
 Ion Ratio Lower Upper
 75 100
 155 79.0 64.0 96.0
 157 90.1 77.0 115.6

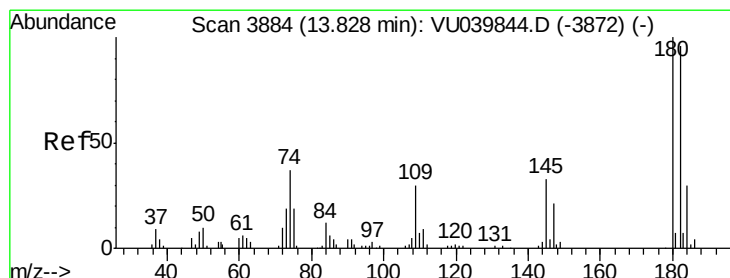
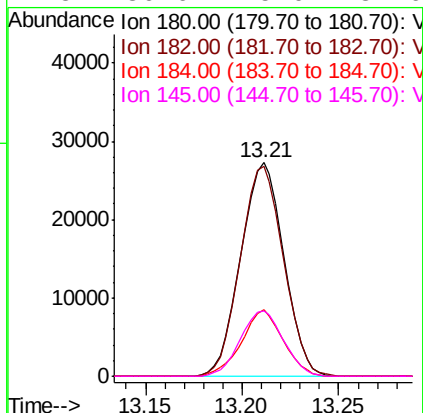
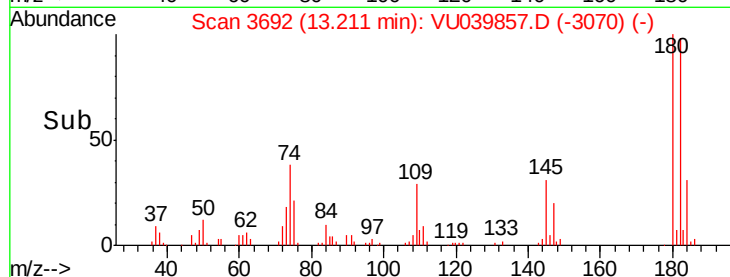
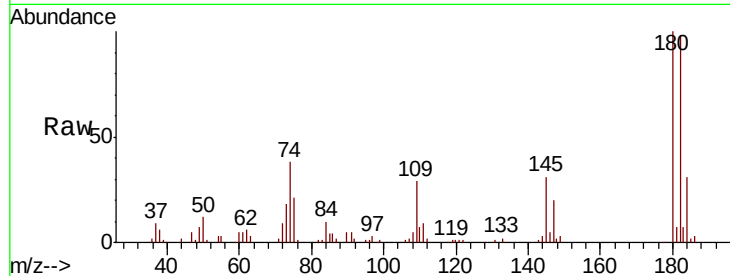




#67
 1,3,5-Trichlorobenzene
 Concen: 4.875 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

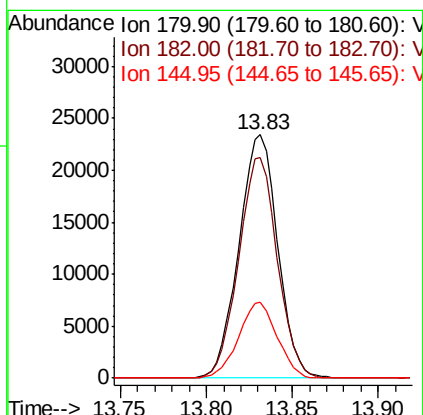
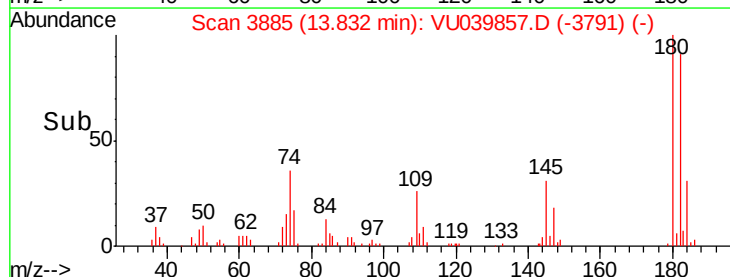
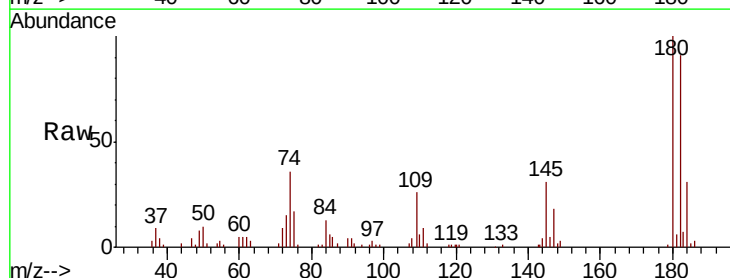
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

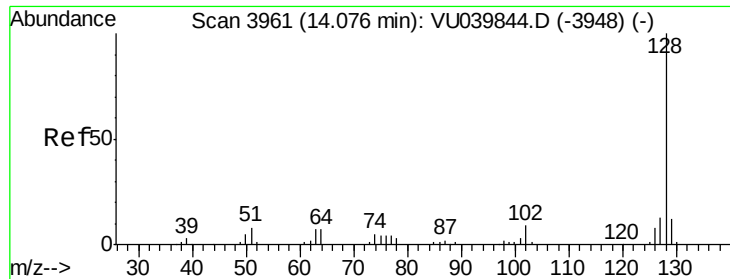
Tot Ion:180 Resp: 42372
 Ion Ratio Lower Upper
 180 100
 182 98.4 74.9 112.3
 184 29.8 25.3 37.9
 145 30.6 25.0 37.6



#68
 1,2,4-trichlorobenzene
 Concen: 5.030 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039857.D
 Acq: 13 Aug 2020 17:40

Tgt Ion:180 Resp: 36635
 Ion Ratio Lower Upper
 180 100
 182 90.3 75.7 113.5
 145 30.9 25.1 37.7





#69

Naphthalene

Concen: 4.635 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

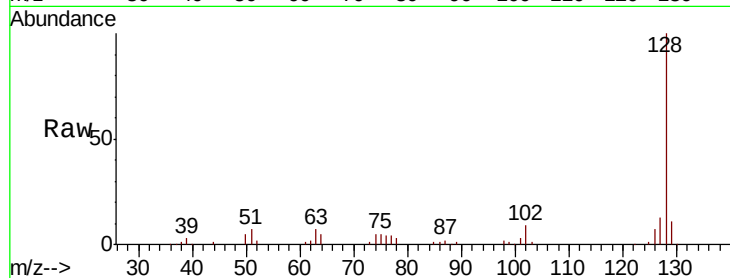
Tot Ion:128 Resp: 60358

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

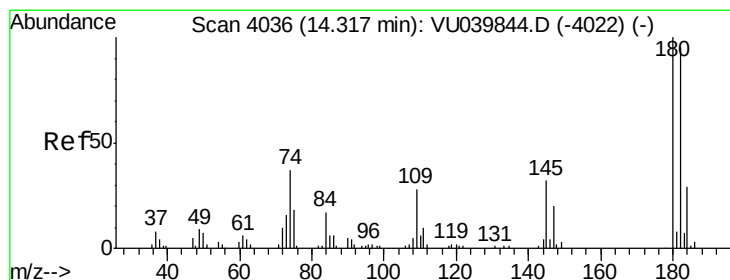
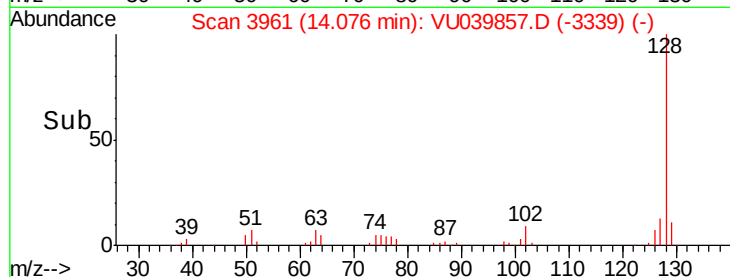
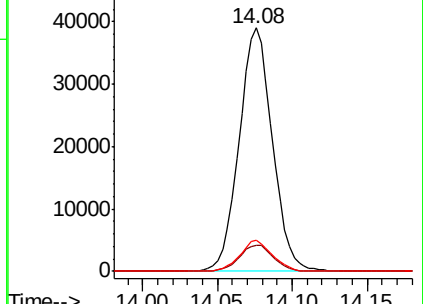
127 12.2 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.914 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039857.D

Acq: 13 Aug 2020 17:40

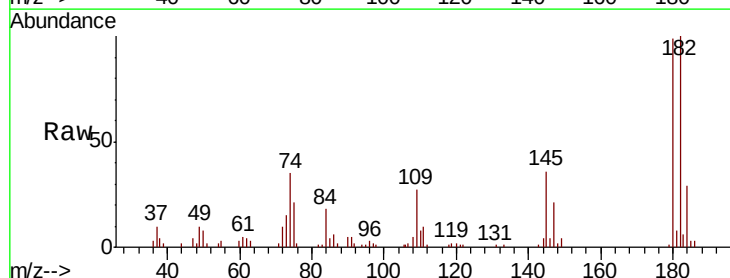
Tgt Ion:180 Resp: 32109

Ion Ratio Lower Upper

180 100

182 98.3 76.1 114.1

145 34.9 27.4 41.0



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

