

Data File : VU039835.D
Acq On : 10 Aug 2020 19:47
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Quant Time: Aug 11 01:14:54 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	78374	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	76674	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43084	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23638	5.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.80%
7) Chloroethane-d5	1.92	69	21737	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.58	63	44683	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.80%
20) 2-Butanone-d5	4.66	46	84321	45.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.60%
24) Chloroform-d	5.08	84	44471	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.72	65	28105	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	5.74	84	88465	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.70	67	27956	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.91	98	80012	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	8.19	79	10790	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.64	63	62081	47.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.80%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	27211	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	34711	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	28456	4.503	ug/L 100
3) Chloromethane	1.53	50	27276	4.104	ug/L 98
5) Vinyl chloride	1.61	62	30735	4.823	ug/L 96
6) Bromomethane	1.86	94	9958	2.469	ug/L 92
8) Chloroethane	1.94	64	21355	4.570	ug/L 93
9) Trichlorofluoromethane	2.15	101	49379	4.983	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	26362	4.902	ug/L 95
12) 1,1-Dichloroethene	2.59	96	22936	4.906	ug/L 99
13) Acetone	2.66	43	54787	49.927	ug/L 97
14) Carbon disulfide	2.81	76	61052	4.176	ug/L 99
15) Methyl Acetate	2.97	43	12482	4.612	ug/L 95
16) Methylene chloride	3.06	84	26610	3.530	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	60514	4.875	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	24141	4.638	ug/L 94
19) 1,1-Dichloroethane	3.89	63	45380	4.723	ug/L 96
21) 2-Butanone	4.74	43	88611	51.241	ug/L 98
22) cis-1,2-Dichloroethene	4.69	96	27558	4.868	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	12839	4.828	ug/L	98
25) Chloroform	5.11	83	52497	5.082	ug/L	91
27) 1,2-Dichloroethane	5.81	62	33207	4.665	ug/L	98
29) 1,1,1-Trichloroethane	5.34	97	42121	4.925	ug/L	97
30) Cyclohexane	5.41	56	35573	4.322	ug/L	100
31) Carbon tetrachloride	5.54	117	36669	4.673	ug/L	100
33) Benzene	5.79	78	101223	4.845	ug/L	100
34) Trichloroethene	6.56	95	25570	4.713	ug/L	97
35) Methylcyclohexane	6.78	83	36589	4.225	ug/L	94
37) 1,2-Dichloropropane	6.80	63	26441	4.765	ug/L	100
38) Bromodichloromethane	7.12	83	34622	4.769	ug/L	94
39) cis-1,3-Dichloropropene	7.62	75	34805	4.599	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	208949	50.393	ug/L	100
42) Toluene	7.98	91	102991	4.691	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	30837	4.523	ug/L	92
45) 1,1,2-Trichloroethane	8.41	97	20745	4.971	ug/L	93
47) Tetrachloroethene	8.56	164	20141	4.500	ug/L	94
48) 2-Hexanone	8.69	43	155863	52.055	ug/L	99
49) Dibromochloromethane	8.82	129	24503	4.784	ug/L	99
50) 1,2-Dibromoethane	8.93	107	19932	4.870	ug/L	90
51) Chlorobenzene	9.45	112	70637	4.788	ug/L	95
52) Ethylbenzene	9.57	91	112520	4.579	ug/L	100
53) m,p-Xylene	9.70	106	43933	4.695	ug/L	97
54) o-Xylene	10.10	106	44063	4.809	ug/L	99
55) Styrene	10.11	104	74901	4.855	ug/L	99
56) Isopropylbenzene	10.48	105	112214	4.583	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.78	83	26802	4.668	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	18601	4.648	ug/L	97
61) Bromoform	10.29	173	13534	4.649	ug/L	91
62) 1,3-Dichlorobenzene	11.74	146	57977	4.598	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	60448	4.547	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	57373	4.618	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	4498	4.789	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	43262	4.527	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	37027	4.623	ug/L	99
69) Naphthalene	14.08	128	67288	4.699	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	35632	4.959	ug/L	97

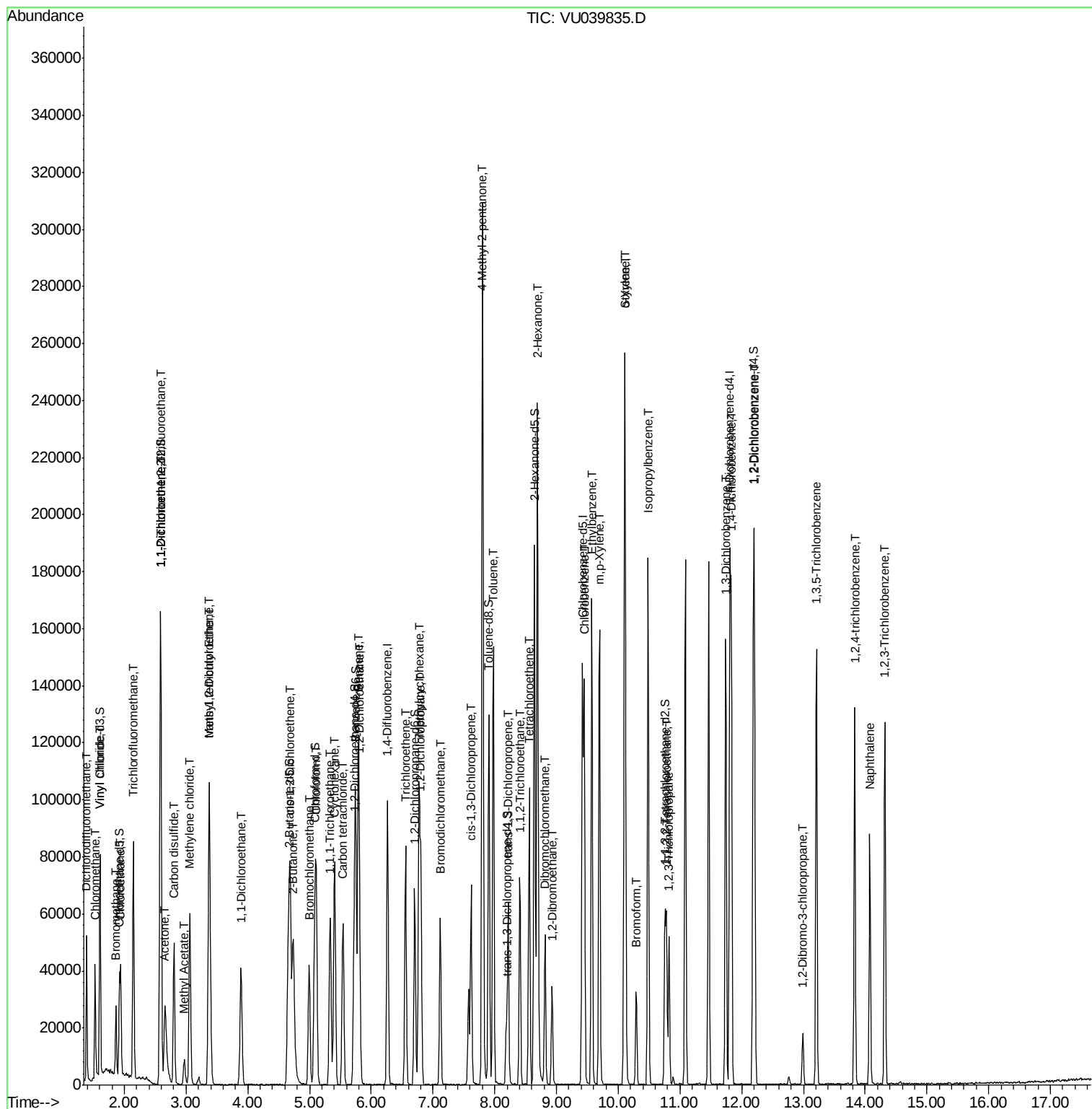
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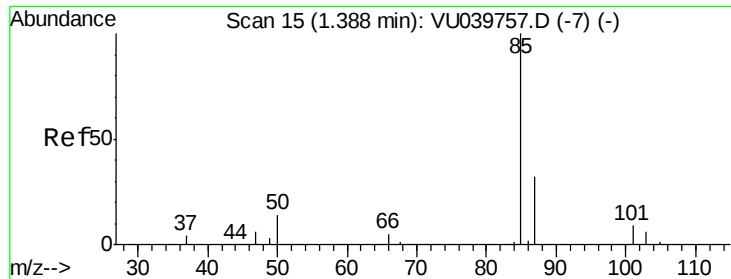
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#2

Dichlorodifluoromethane

Concen: 4.503 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

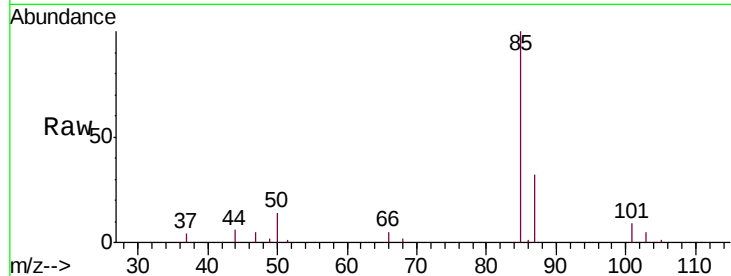
VSTD00518

Tgt Ion: 85 Resp: 28456

Ion Ratio Lower Upper

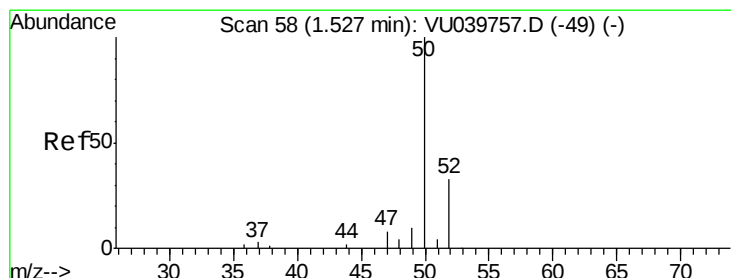
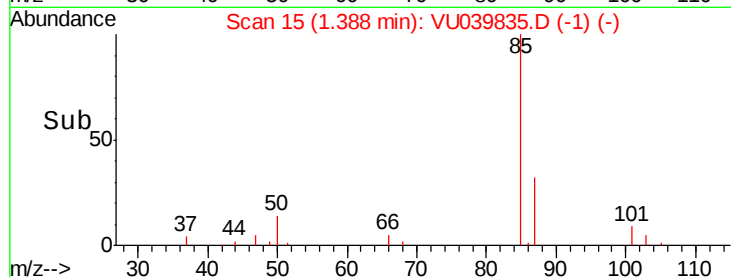
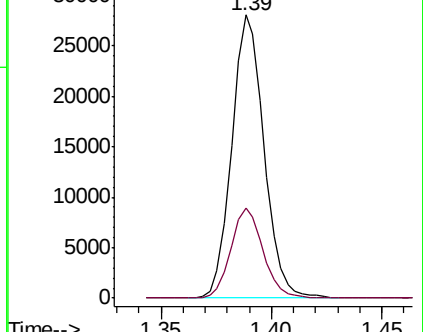
85 100

87 31.8 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: 4.104 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039835.D

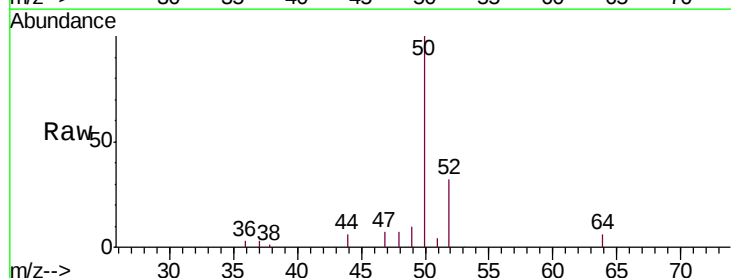
Acq: 10 Aug 2020 19:47

Tgt Ion: 50 Resp: 27276

Ion Ratio Lower Upper

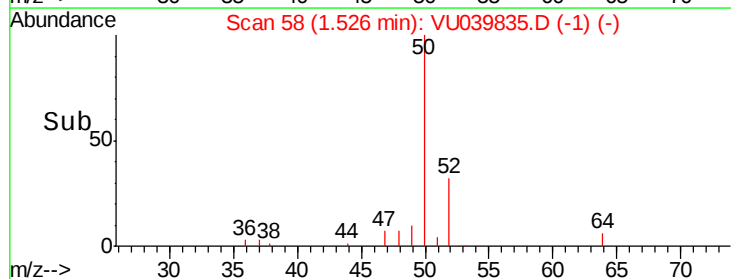
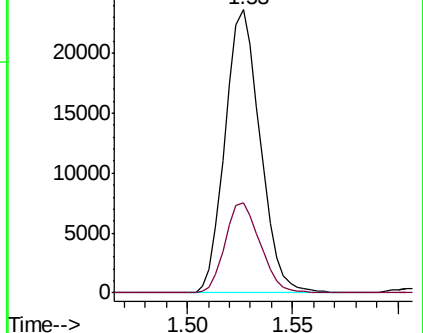
50 100

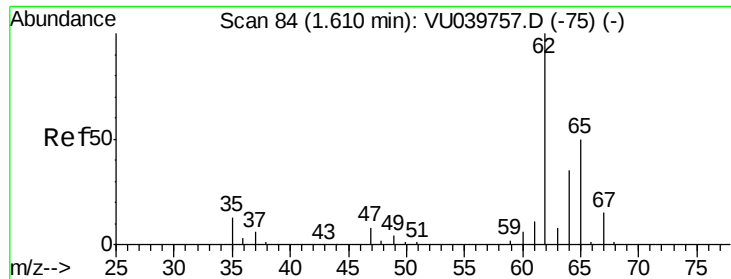
52 32.0 21.6 40.0



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: 4.823 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

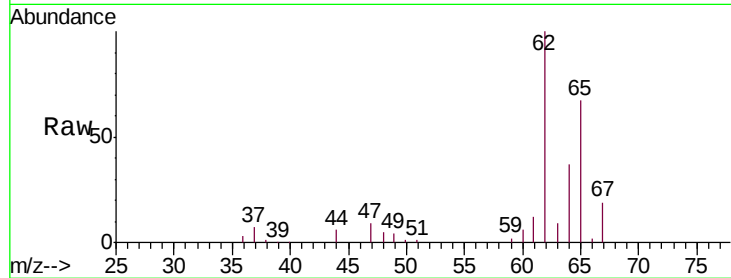
VSTD00518

Tgt Ion: 62 Resp: 30735

Ion Ratio Lower Upper

62 100

64 36.5 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) (-)

1.61

30000

25000

20000

15000

10000

5000

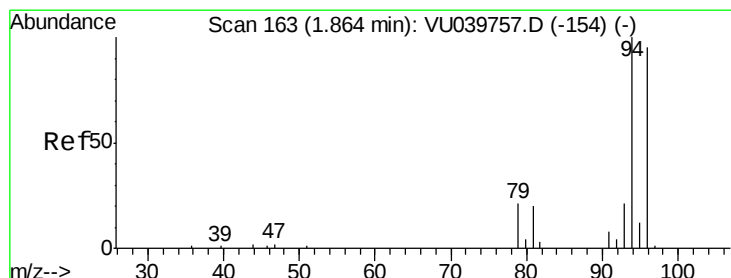
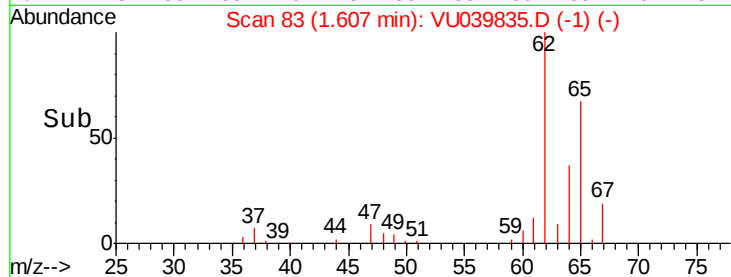
0

Time-->

1.55

1.60

1.65



#6

Bromomethane

Concen: 2.469 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039835.D

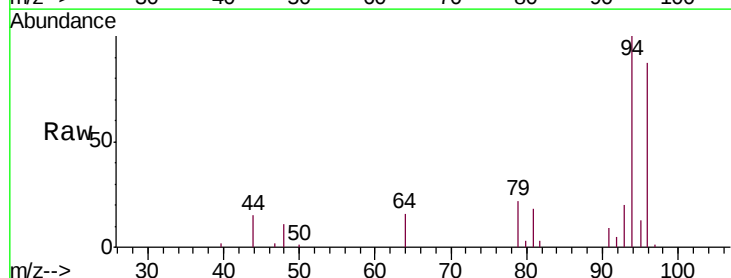
Acq: 10 Aug 2020 19:47

Tgt Ion: 94 Resp: 9958

Ion Ratio Lower Upper

94 100

96 86.6 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) (-)

1.86

10000

8000

6000

4000

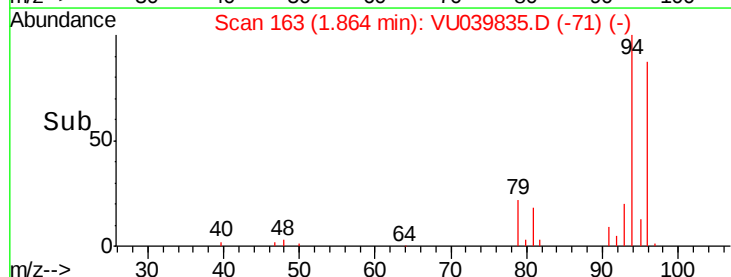
2000

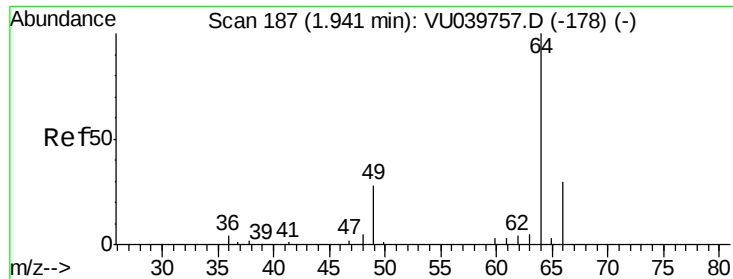
0

Time-->

1.85

1.90





#8

Chloroethane

Concen: 4.570 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

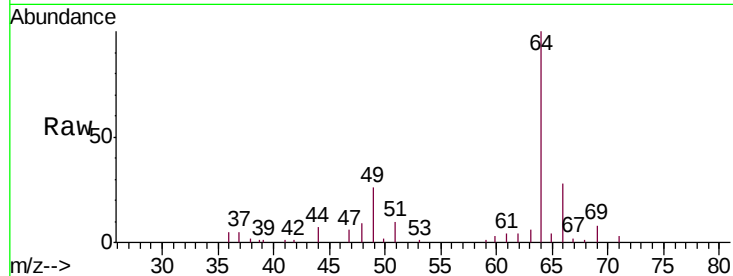
VSTD00518

Tgt Ion: 64 Resp: 21355

Ion Ratio Lower Upper

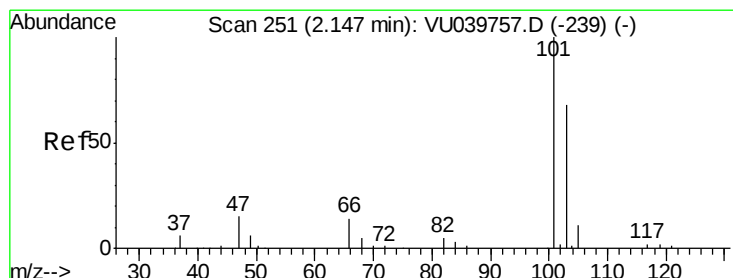
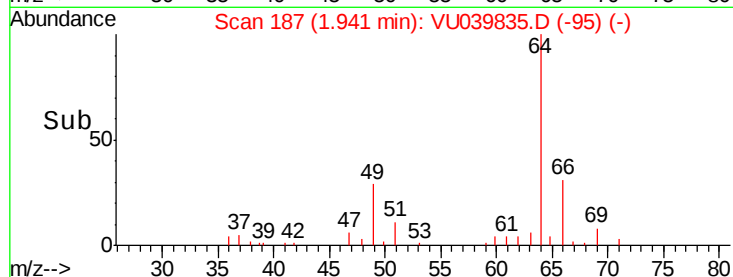
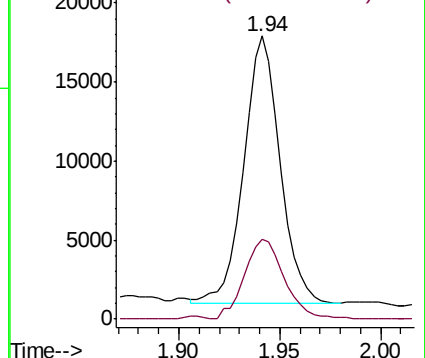
64 100

66 28.2 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 4.983 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU039835.D

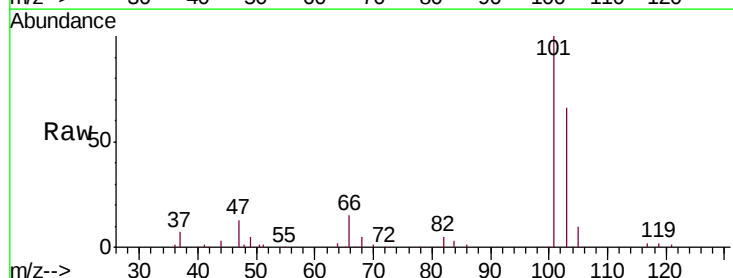
Acq: 10 Aug 2020 19:47

Tgt Ion: 101 Resp: 49379

Ion Ratio Lower Upper

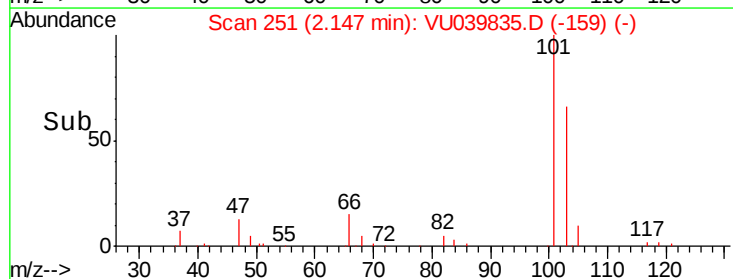
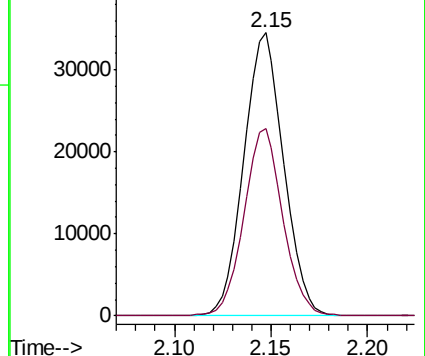
101 100

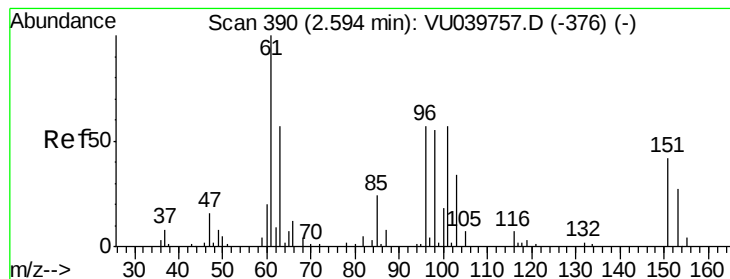
103 64.6 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 4.902 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039835.D

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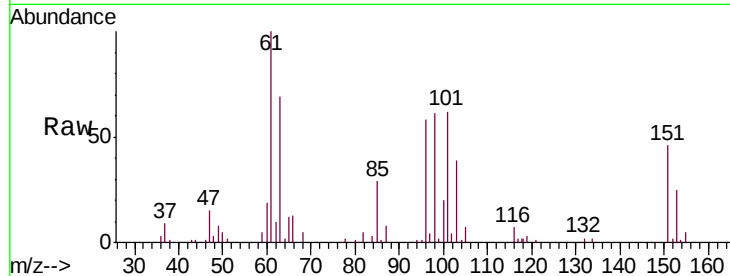
Tgt Ion: 101 Resp: 26362

Ion Ratio Lower Upper

101 100

85 48.1 37.9 56.9

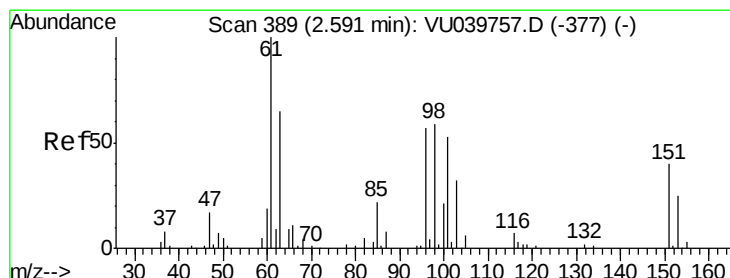
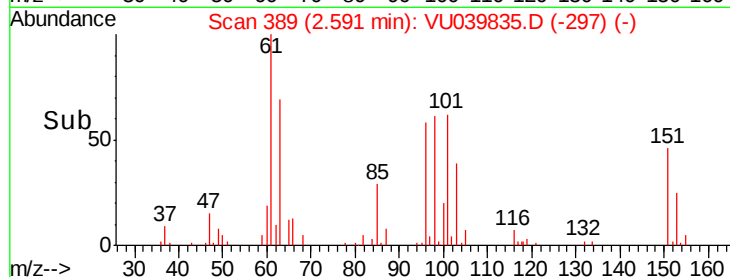
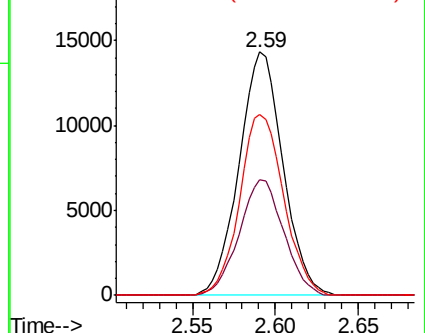
151 74.3 54.7 82.1



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: 4.906 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

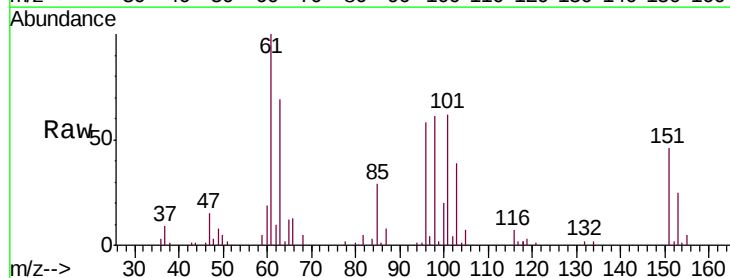
Tgt Ion: 96 Resp: 22936

Ion Ratio Lower Upper

96 100

61 173.8 121.7 225.9

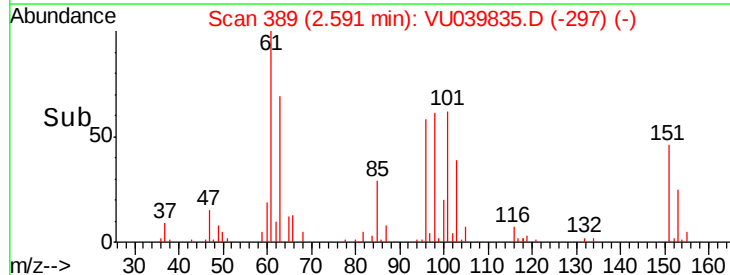
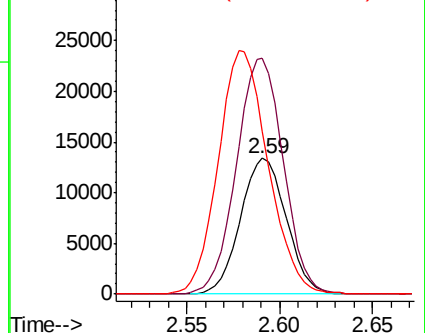
63 119.8 82.1 152.5

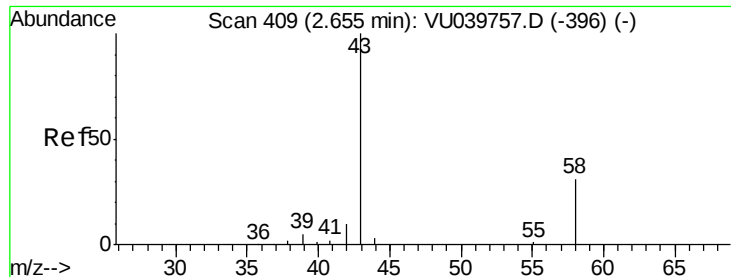


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.927 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU039835.D

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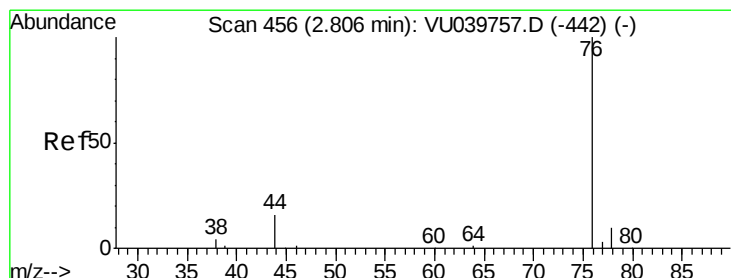
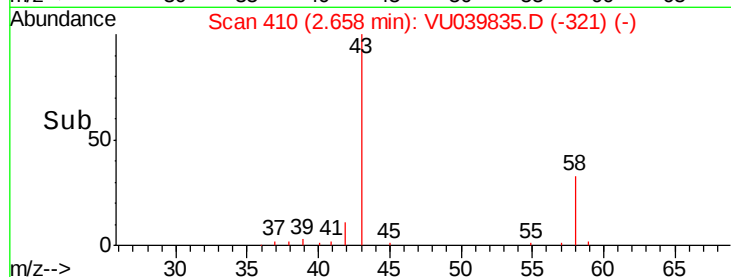
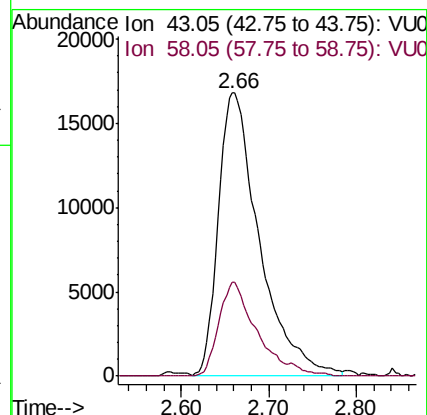
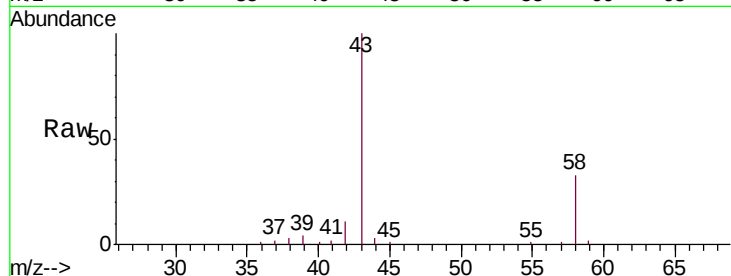
VSTD00518

Tgt Ion: 43 Resp: 54787

Ion Ratio Lower Upper

43 100

58 29.1 0.0 61.8



#14

Carbon disulfide

Concen: 4.176 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

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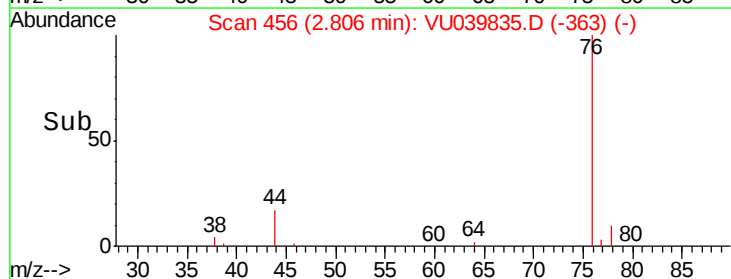
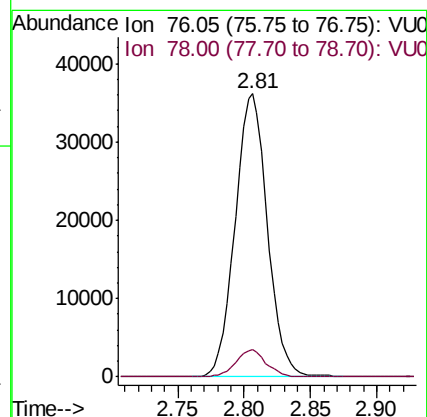
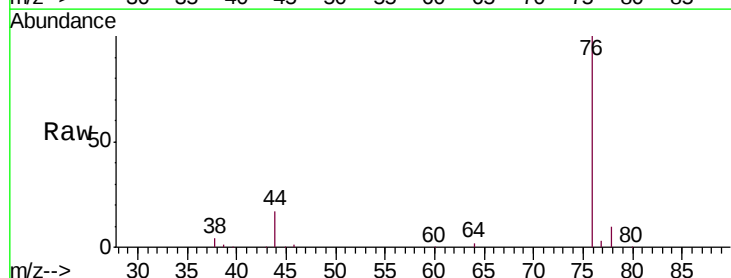
Acq: 10 Aug 2020 19:47

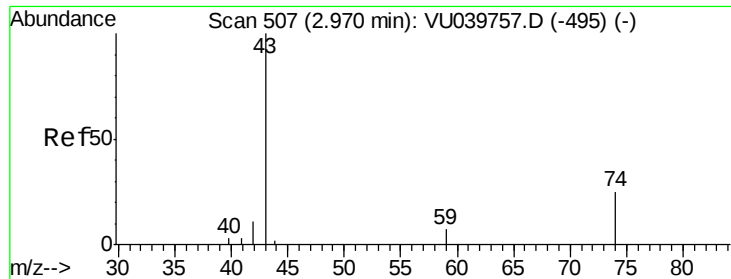
Tgt Ion: 76 Resp: 61052

Ion Ratio Lower Upper

76 100

78 9.5 7.8 11.6

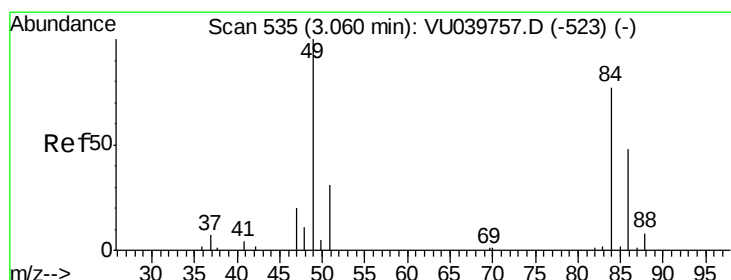
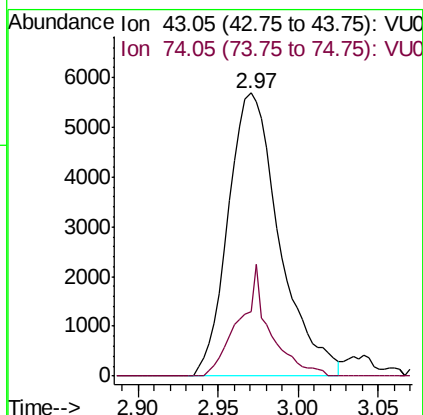
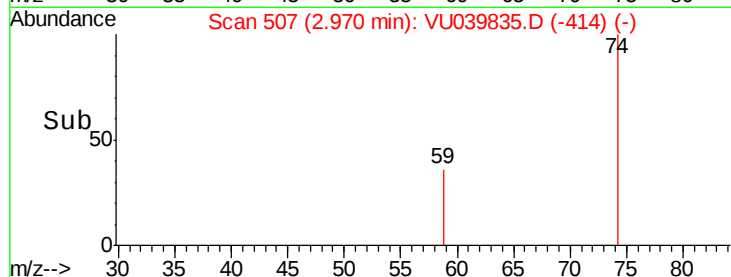
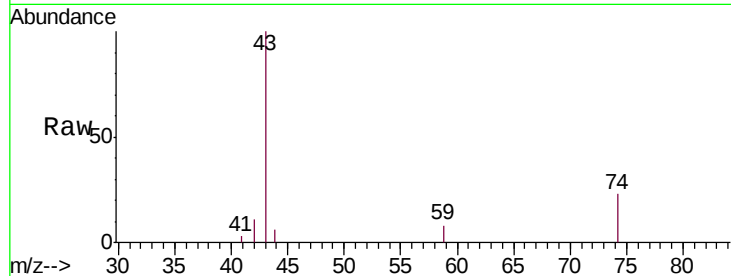




#15
Methyl Acetate
Concen: 4.612 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU039835.D
Acq: 10 Aug 2020 19:47

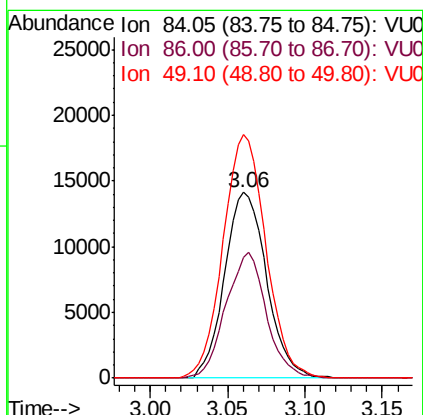
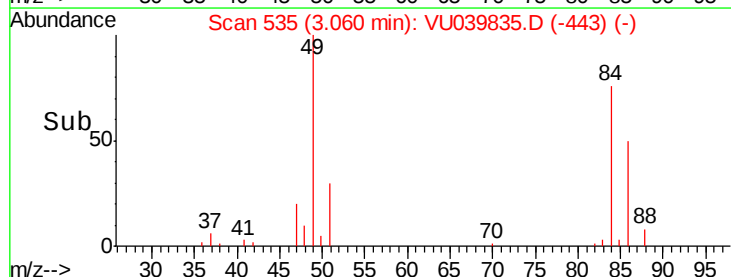
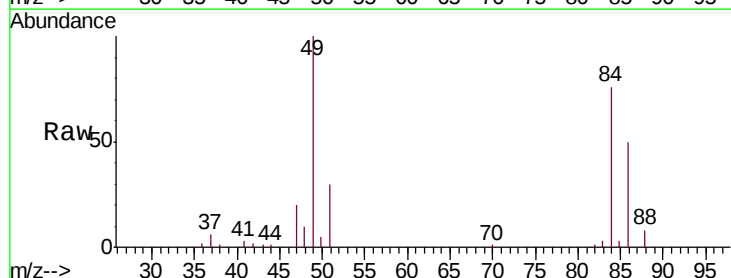
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

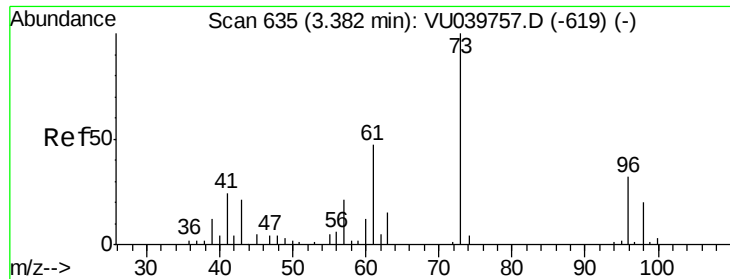
Tgt Ion: 43 Resp: 12482
Ion Ratio Lower Upper
43 100
74 23.3 16.6 25.0



#16
Methylene chloride
Concen: 3.530 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039835.D
Acq: 10 Aug 2020 19:47

Tgt Ion: 84 Resp: 26610
Ion Ratio Lower Upper
84 100
86 65.0 43.9 81.5
49 131.1 94.4 175.4

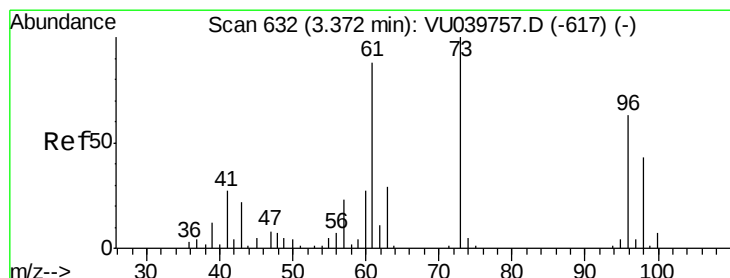
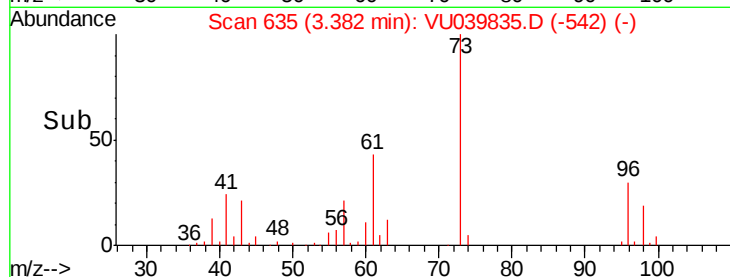
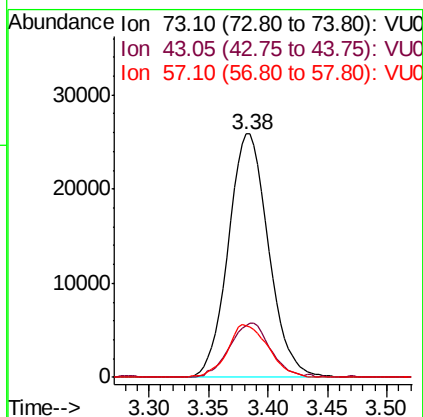
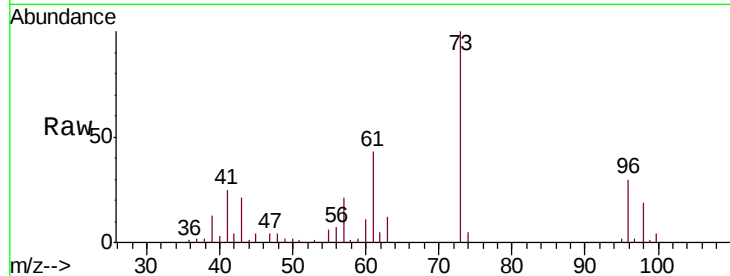




#17
Methyl tert-butyl Ether
Concen: 4.875 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039835.D
Acq: 10 Aug 2020 19:47

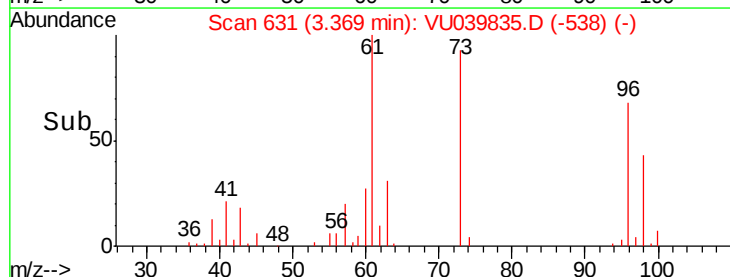
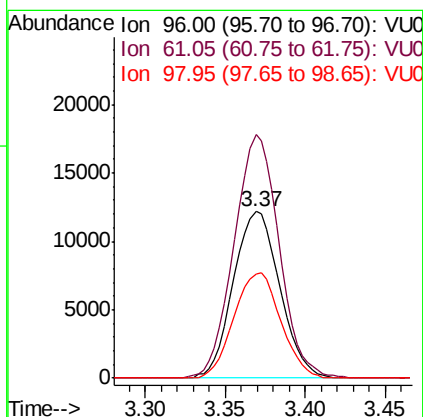
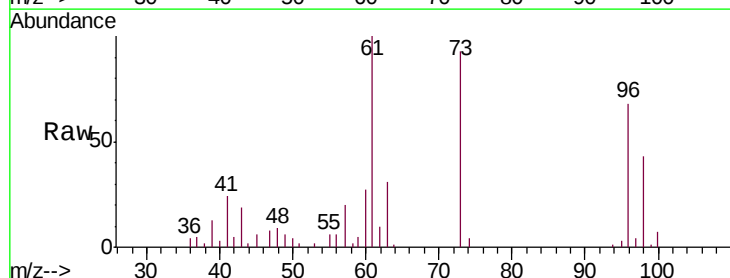
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

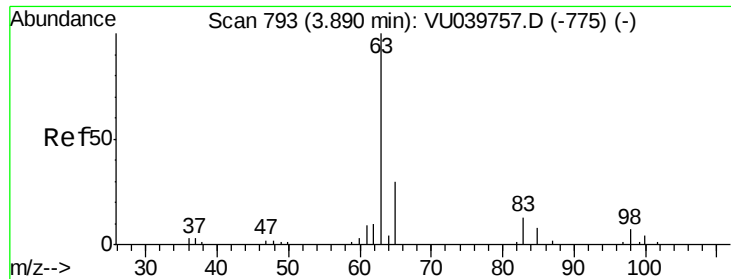
Tgt Ion: 73 Resp: 60514
Ion Ratio Lower Upper
73 100
43 22.6 18.2 27.4
57 22.1 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.638 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039835.D
Acq: 10 Aug 2020 19:47

Tgt Ion: 96 Resp: 24141
Ion Ratio Lower Upper
96 100
61 146.2 96.5 179.1
98 62.4 40.9 76.0

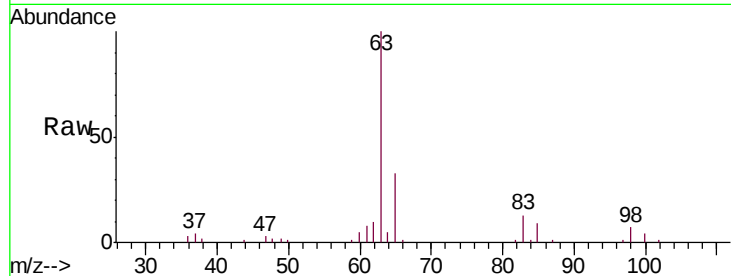




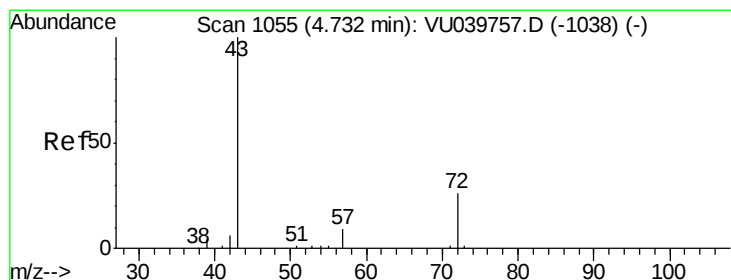
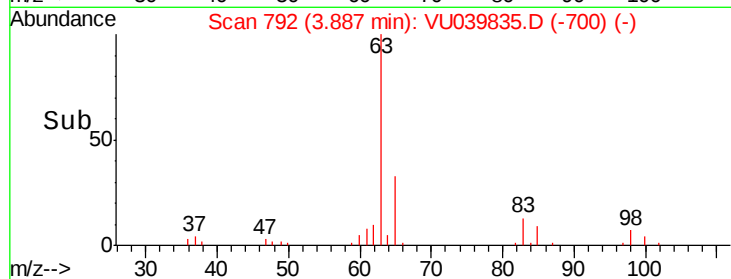
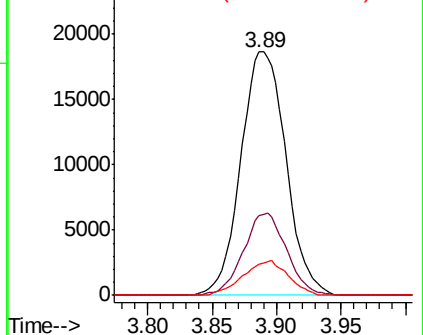
#19
 1,1-Dichloroethane
 Concen: 4.723 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tgt Ion: 63 Resp: 45380
 Ion Ratio Lower Upper
 63 100
 65 32.9 22.0 41.0
 83 12.7 10.9 20.2

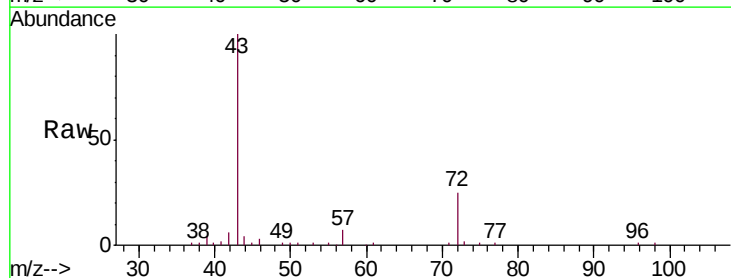


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

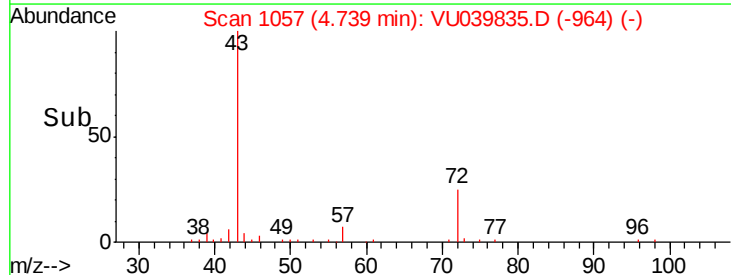
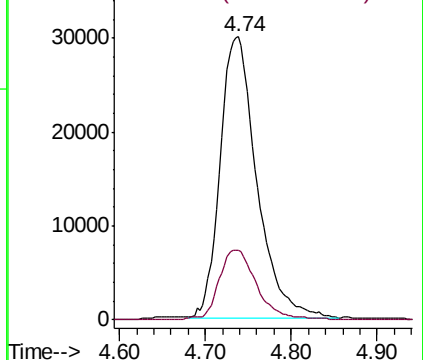


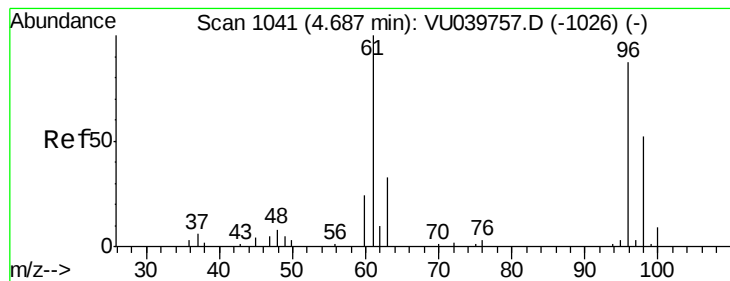
#21
 2-Butanone
 Concen: 51.241 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

Tgt Ion: 43 Resp: 88611
 Ion Ratio Lower Upper
 43 100
 72 25.2 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: 4.868 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

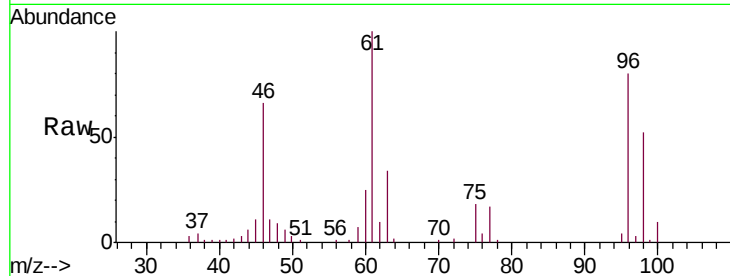
Tgt Ion: 96 Resp: 27558

Ion Ratio Lower Upper

96 100

61 124.7 87.4 162.2

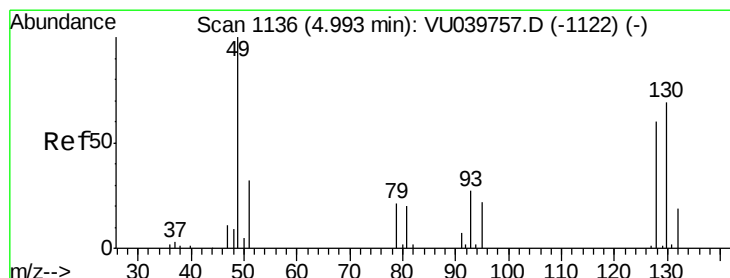
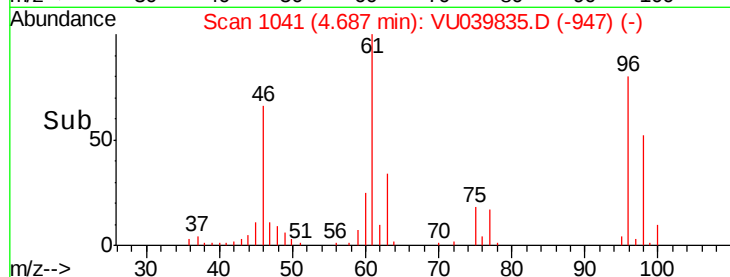
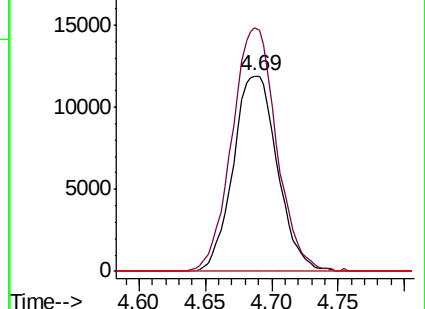
68 0.0 0.0 0.0



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: 4.828 ug/L

RT: 5.00 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

Tgt Ion: 128 Resp: 12839

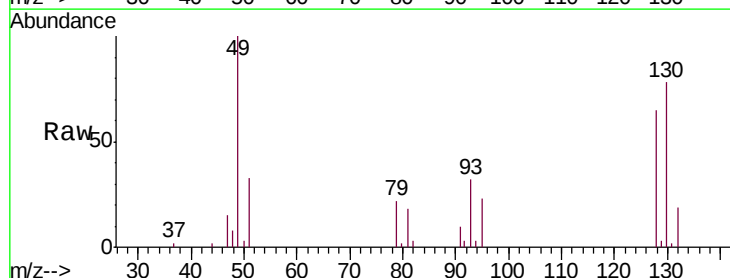
Ion Ratio Lower Upper

128 100

49 154.2 110.3 204.9

130 120.2 82.0 152.4

51 50.7 40.8 61.2

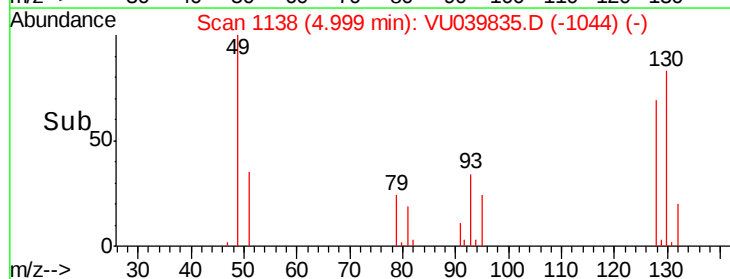
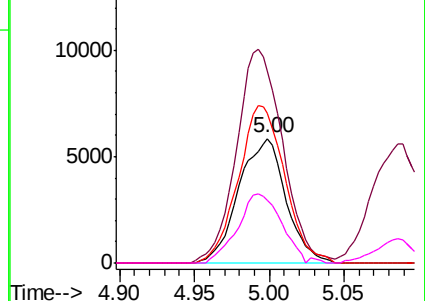


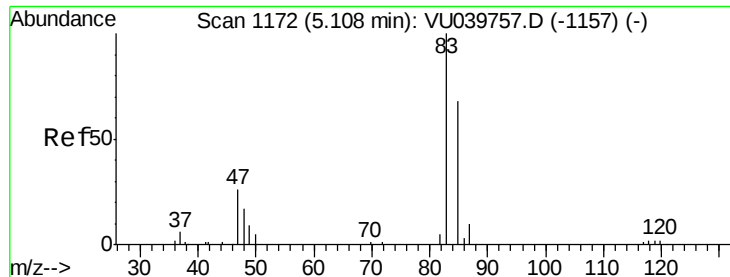
Abundance Ion 127.90 (127.60 to 128.60): V

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

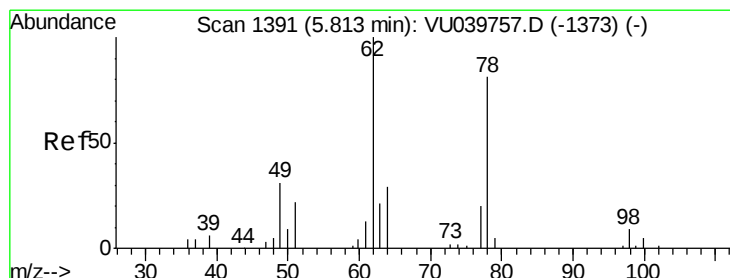
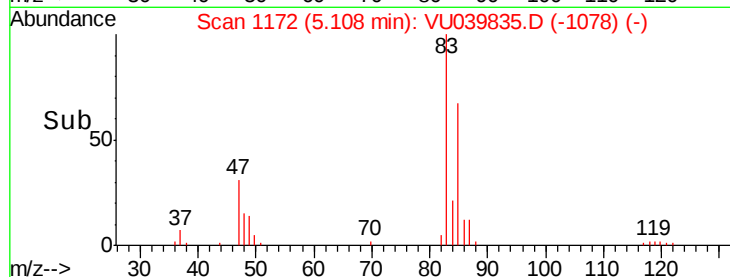
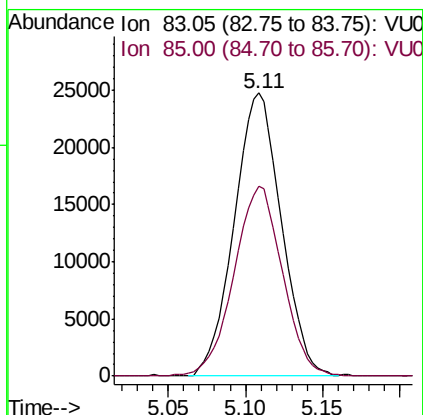
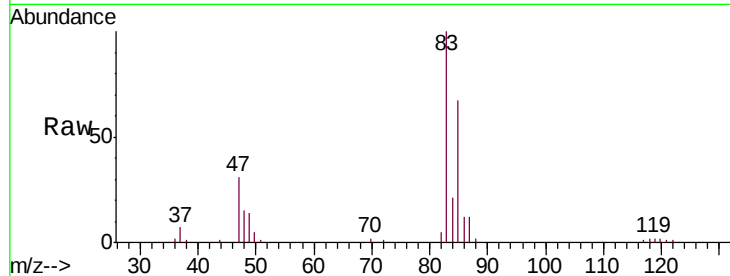




#25
Chloroform
Concen: 5.082 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039835.D
Acq: 10 Aug 2020 19:47

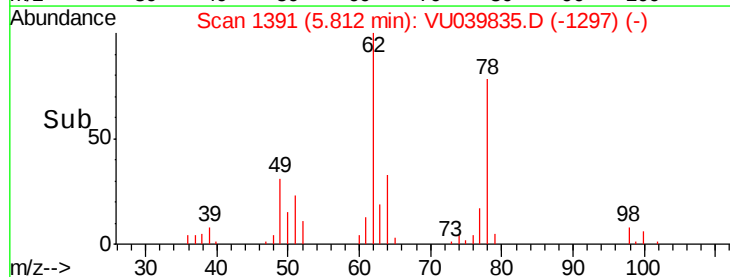
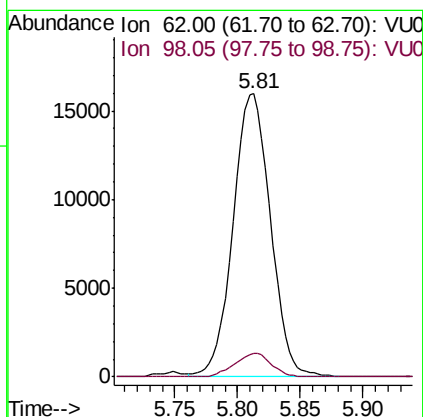
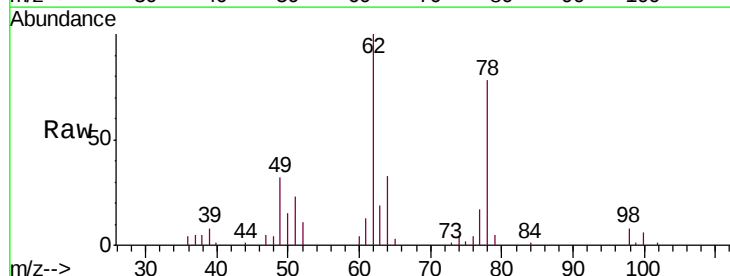
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

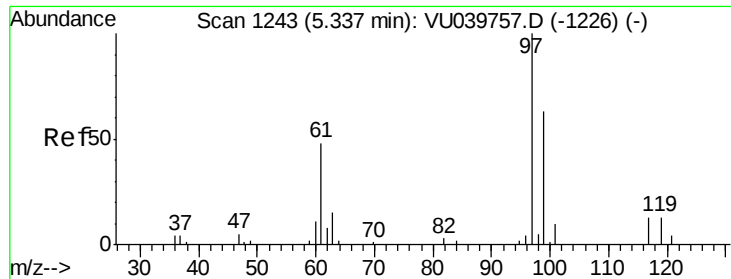
Tgt Ion: 83 Resp: 52497
Ion Ratio Lower Upper
83 100
85 67.2 42.1 78.3



#27
1,2-Dichloroethane
Concen: 4.665 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039835.D
Acq: 10 Aug 2020 19:47

Tgt Ion: 62 Resp: 33207
Ion Ratio Lower Upper
62 100
98 8.3 7.3 10.9

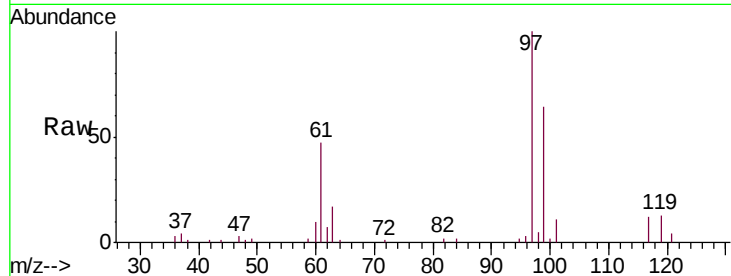




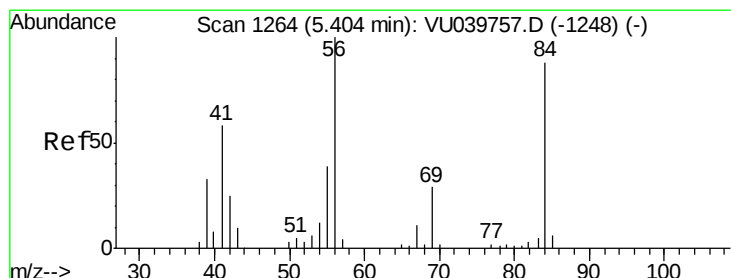
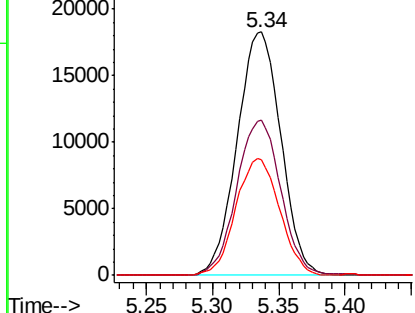
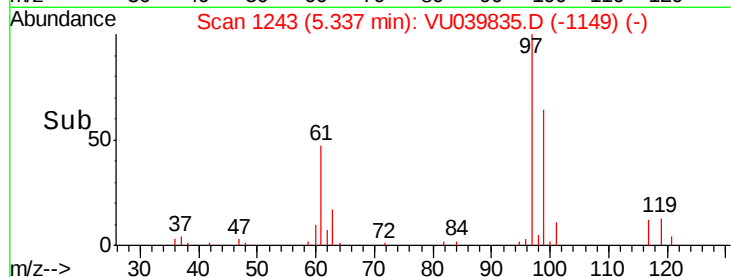
#29
 1,1,1-Trichloroethane
 Concen: 4.925 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tgt Ion: 97 Resp: 42121
 Ion Ratio Lower Upper
 97 100
 99 63.9 52.8 79.2
 61 47.9 40.5 60.7

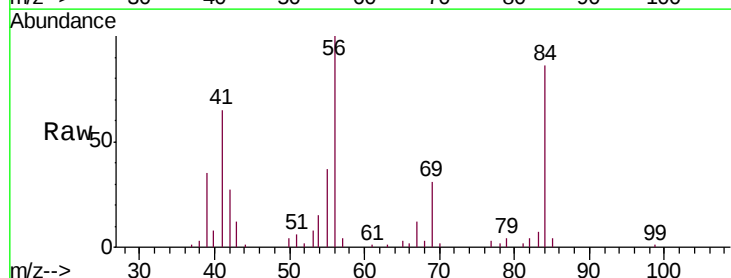


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

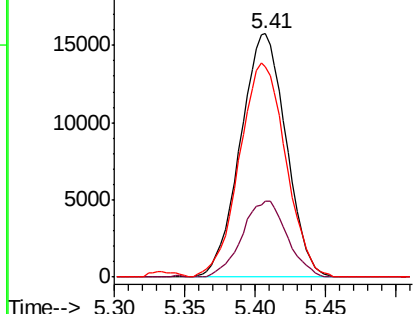
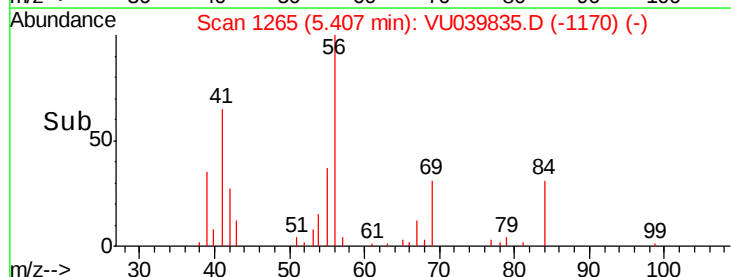


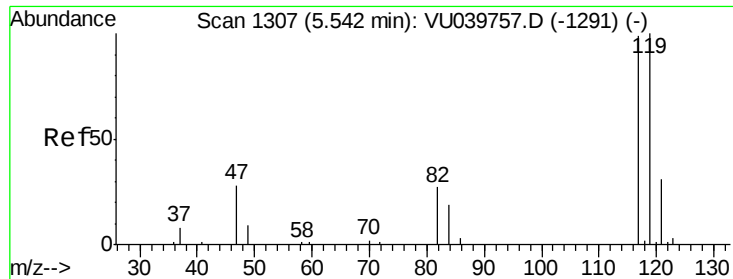
#30
 Cyclohexane
 Concen: 4.322 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

Tgt Ion: 56 Resp: 35573
 Ion Ratio Lower Upper
 56 100
 69 30.9 24.4 36.6
 84 89.4 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

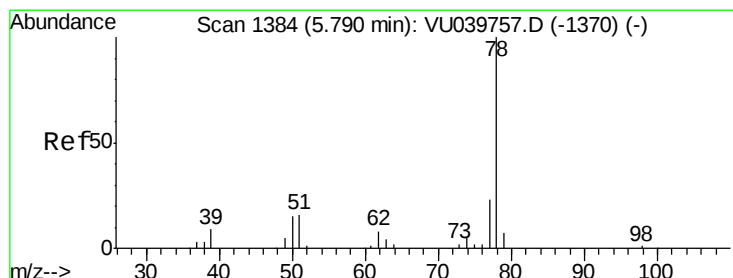
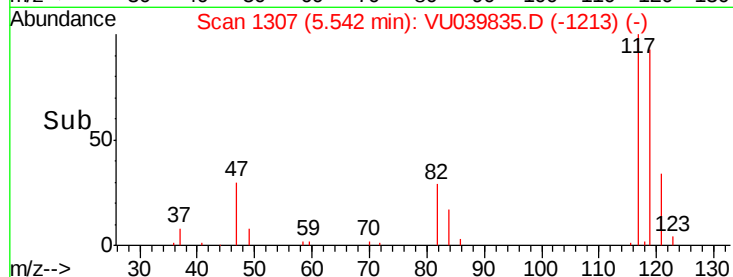
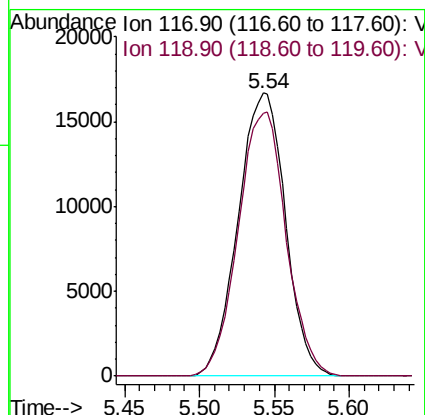
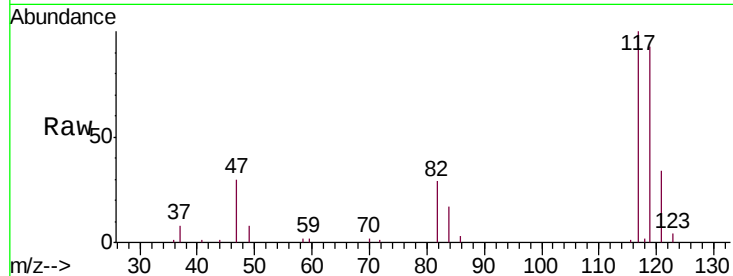




#31
Carbon tetrachloride
Concen: 4.673 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU039835.D
Acq: 10 Aug 2020 19:47

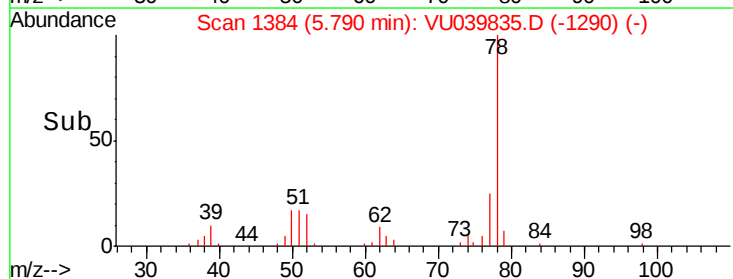
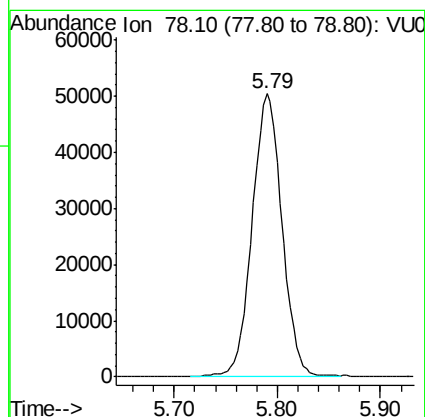
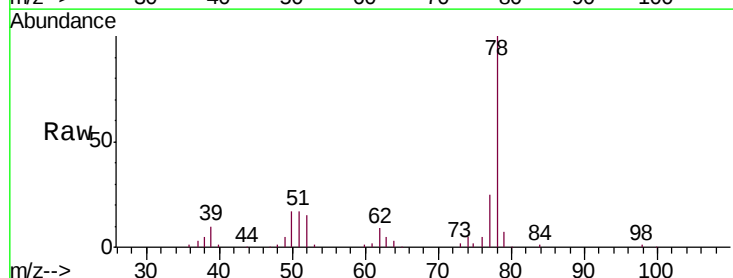
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

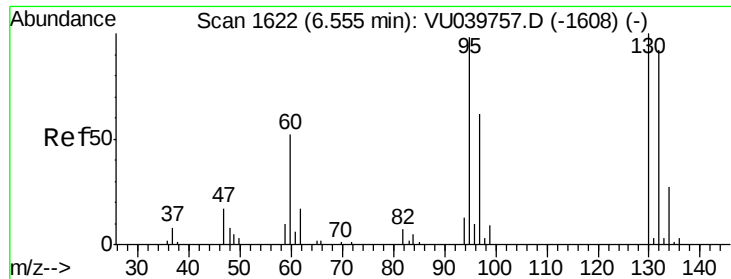
Tgt Ion:117 Resp: 36669
Ion Ratio Lower Upper
117 100
119 94.7 75.5 113.3



#33
Benzene
Concen: 4.845 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039835.D
Acq: 10 Aug 2020 19:47

Tgt Ion: 78 Resp: 101223

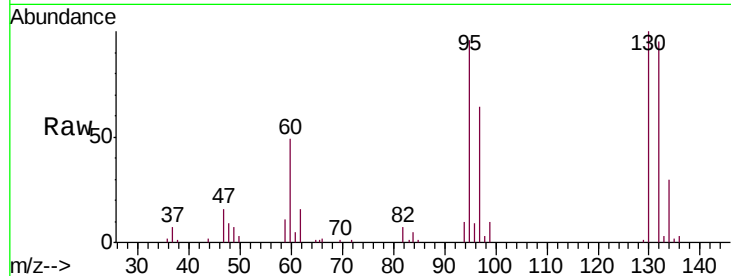




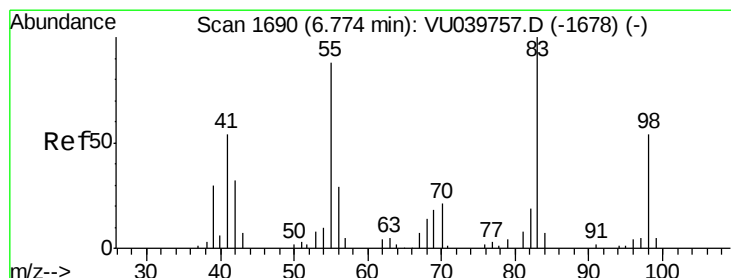
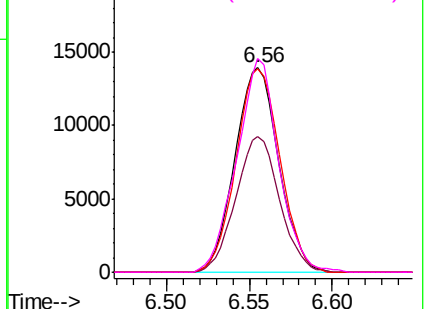
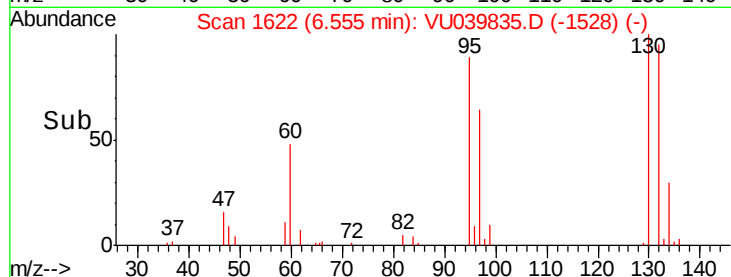
#34
 Trichloroethene
 Concen: 4.713 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tgt Ion: 95 Resp: 25570
 Ion Ratio Lower Upper
 95 100
 97 66.7 44.0 81.8
 132 99.7 71.7 133.3
 130 104.5 71.1 132.1

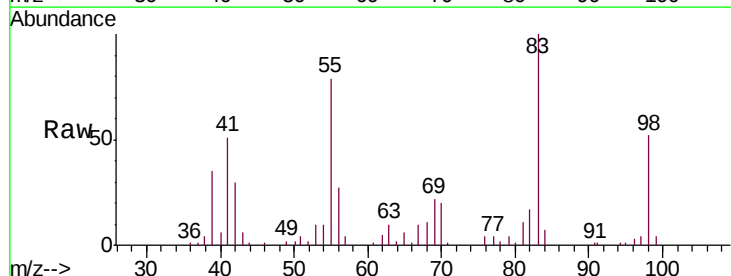


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

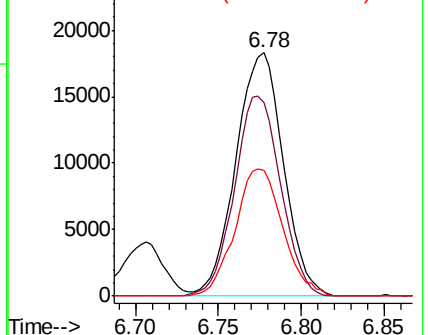
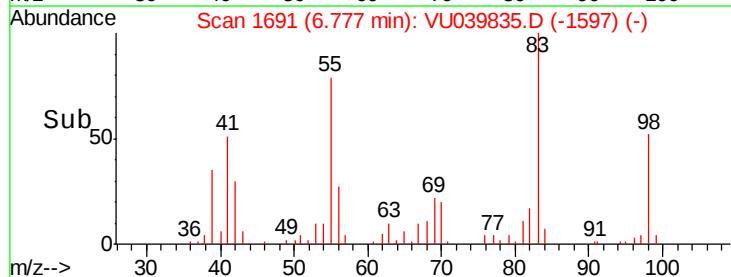


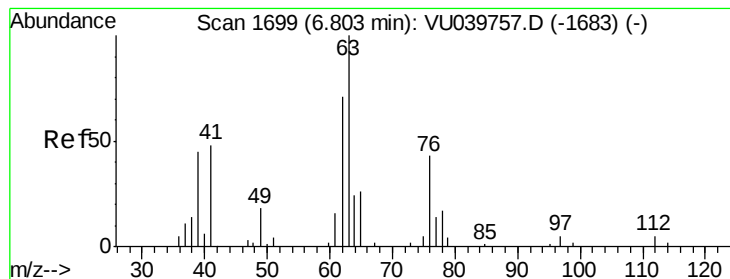
#35
 Methylcyclohexane
 Concen: 4.225 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

Tgt Ion: 83 Resp: 36589
 Ion Ratio Lower Upper
 83 100
 55 79.8 59.4 89.0
 98 52.7 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: 4.765 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

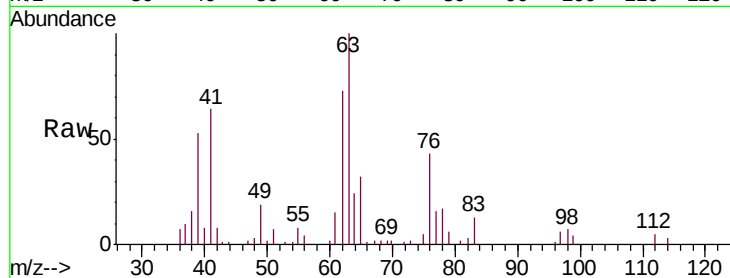
VSTD00518

Tgt Ion: 63 Resp: 26441

Ion Ratio Lower Upper

63 100

112 4.6 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) (-)

15000

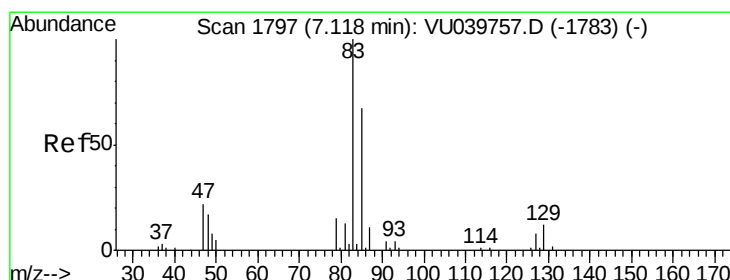
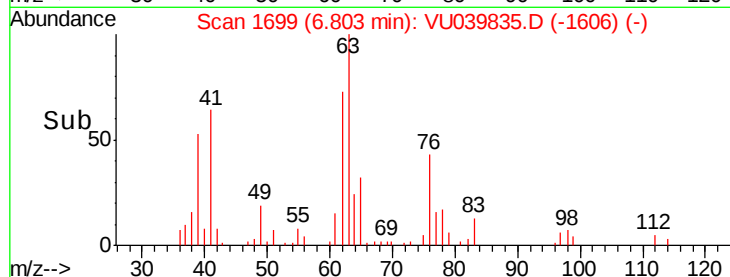
10000

5000

0

6.70 6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 4.769 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

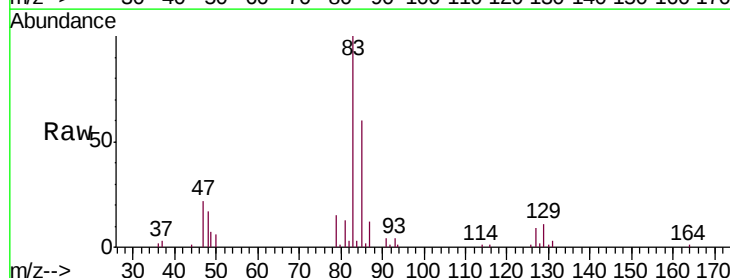
Tgt Ion: 83 Resp: 34622

Ion Ratio Lower Upper

83 100

85 59.8 45.3 84.1

127 8.8 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) (-)

25000

20000

15000

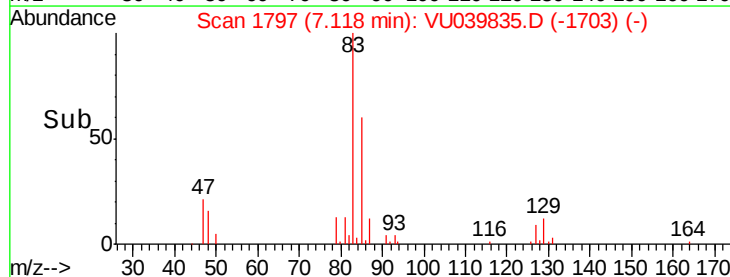
10000

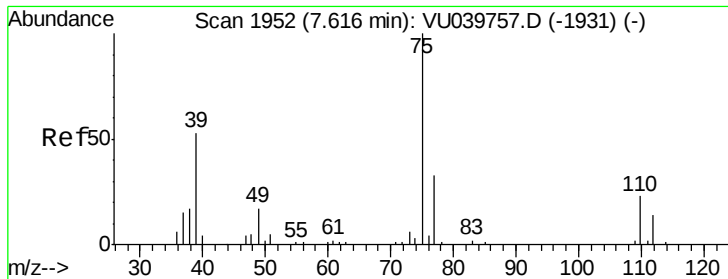
5000

0

7.05 7.10 7.15 7.20

Time-->

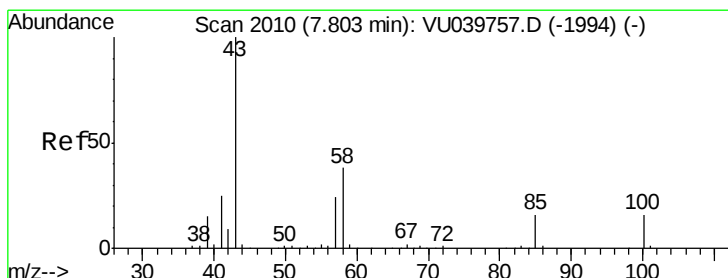
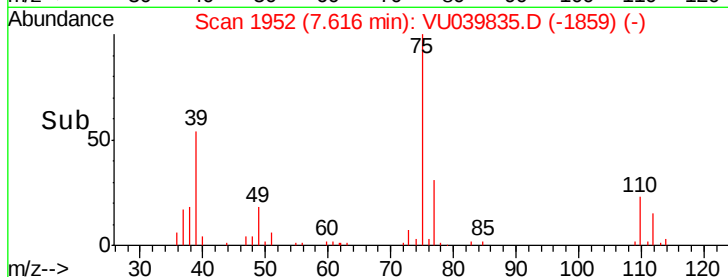
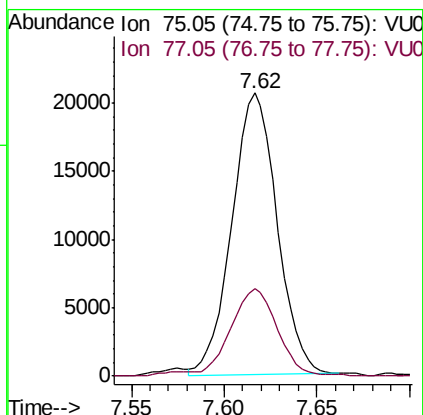
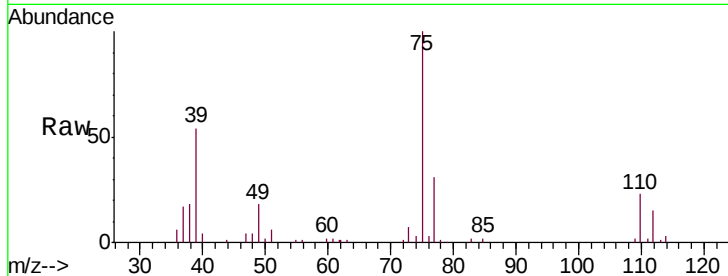




#39
 cis-1,3-Dichloropropene
 Concen: 4.599 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

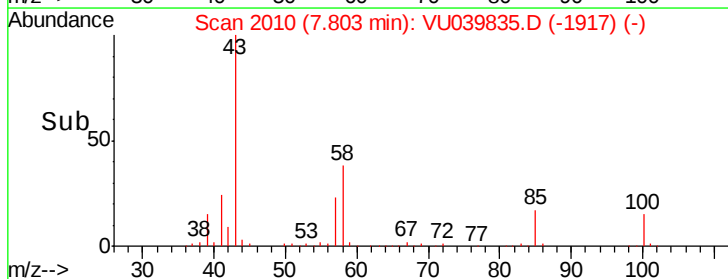
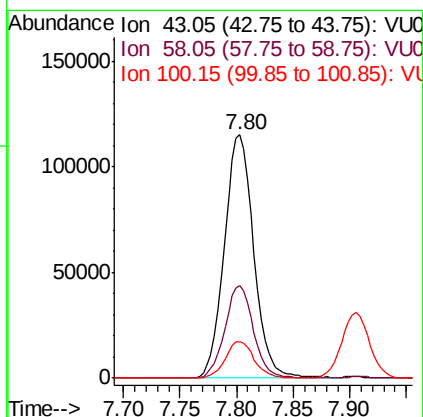
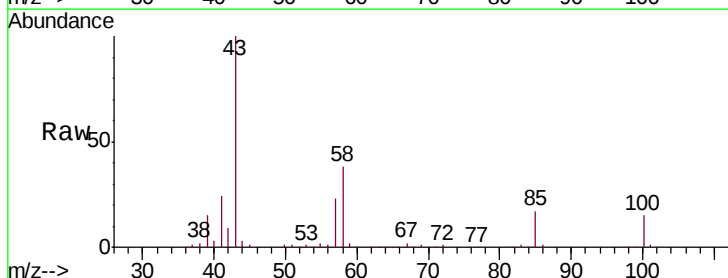
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

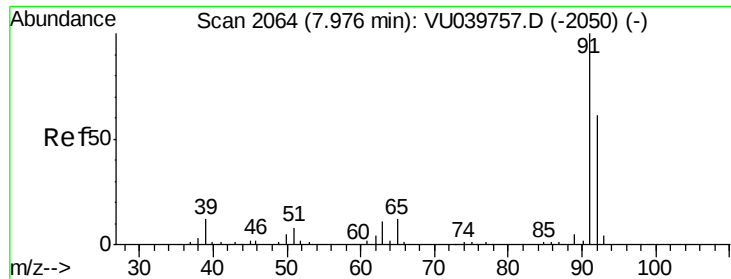
Tgt Ion: 75 Resp: 34805
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 50.393 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. -0.00 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

Tgt Ion: 43 Resp: 208949
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.4 44.2
 100 14.7 11.7 17.5





#42

Toluene

Concen: 4.691 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

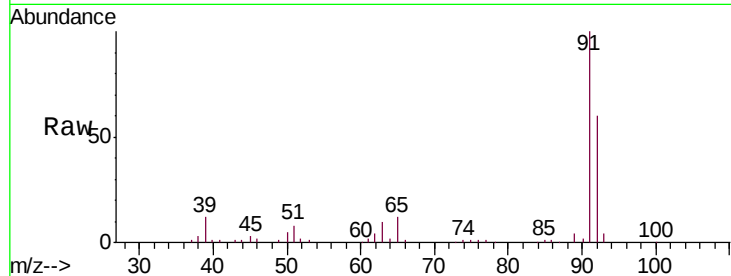
VSTD00518

Tgt Ion: 91 Resp: 102991

Ion Ratio Lower Upper

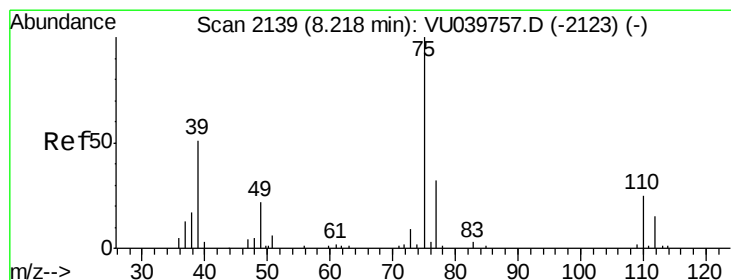
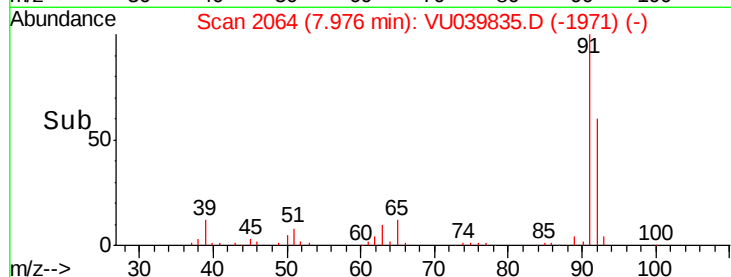
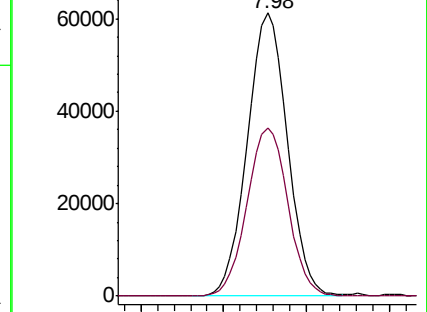
91 100

92 59.6 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: 4.523 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039835.D

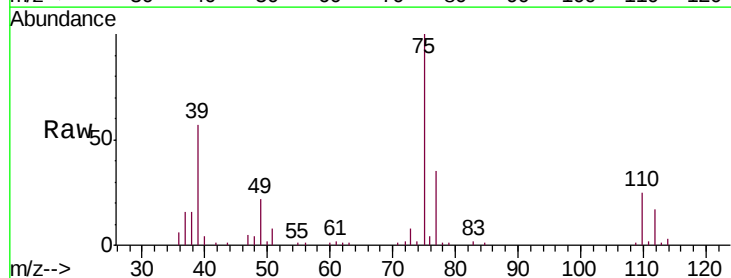
Acq: 10 Aug 2020 19:47

Tgt Ion: 75 Resp: 30837

Ion Ratio Lower Upper

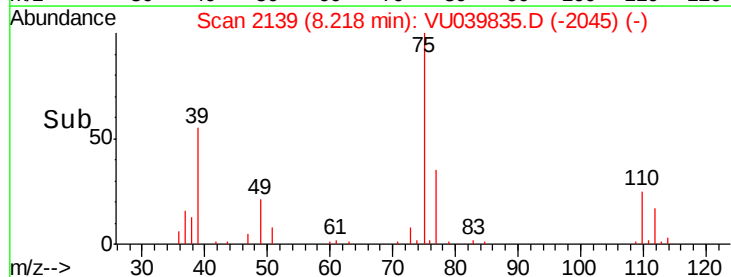
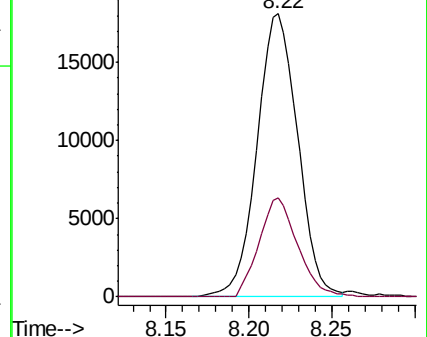
75 100

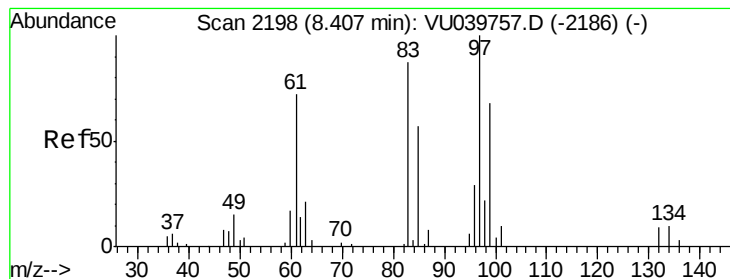
77 35.2 21.6 40.2



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: 4.971 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

Tgt Ion: 97 Resp: 20745

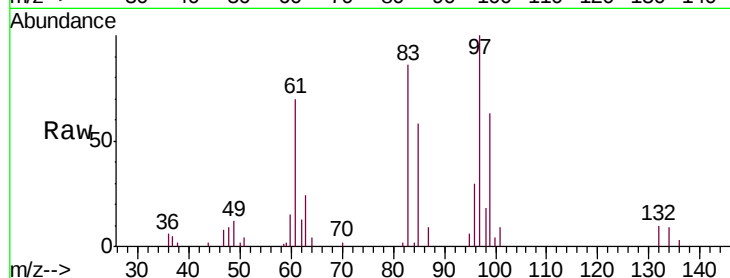
Ion Ratio Lower Upper

97 100

99 63.2 42.0 78.0

83 85.8 55.2 102.4

85 58.0 37.0 68.6

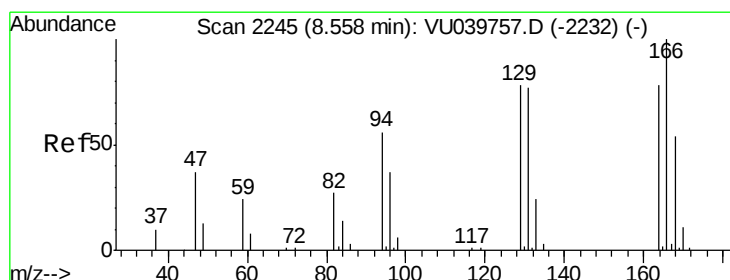
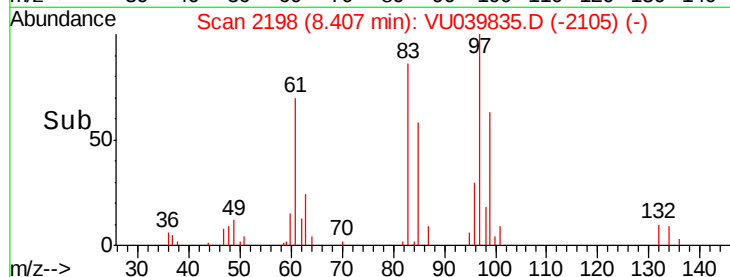
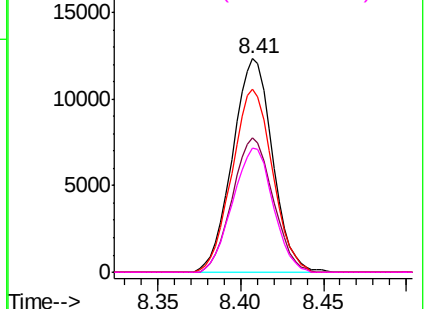


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.500 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

Tgt Ion: 164 Resp: 20141

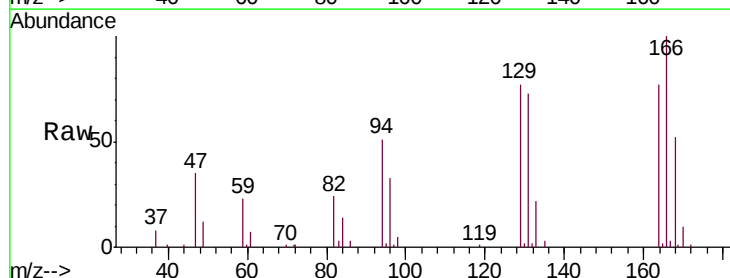
Ion Ratio Lower Upper

164 100

129 99.5 65.9 122.5

131 94.5 68.1 126.5

166 129.6 84.5 156.9

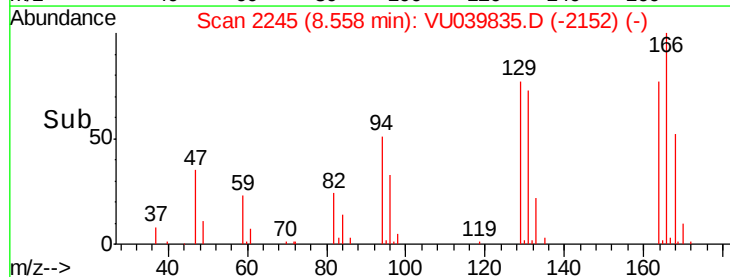
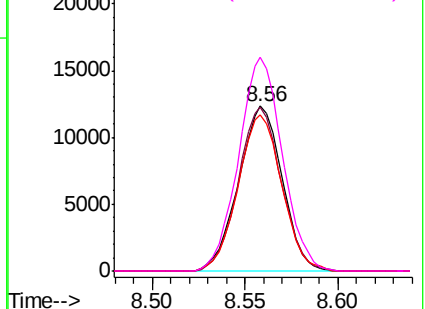


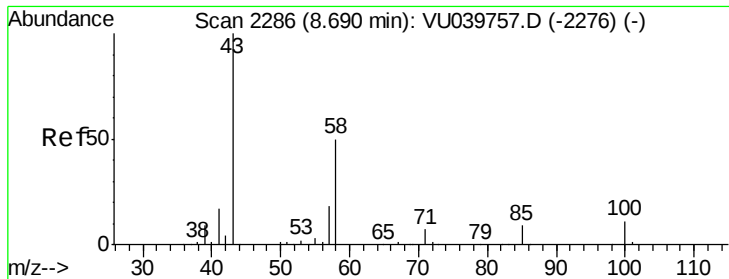
Abundance Ion 163.90 (163.60 to 164.60): V

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

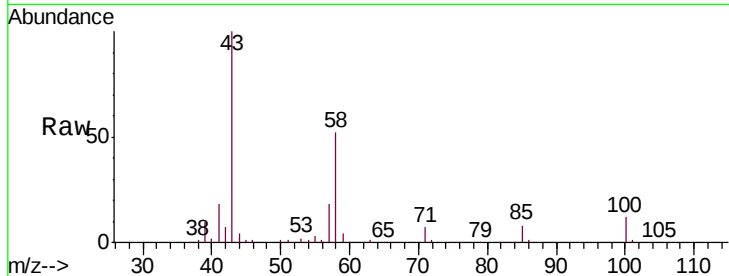




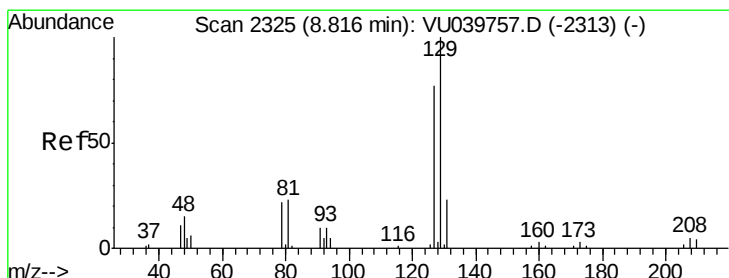
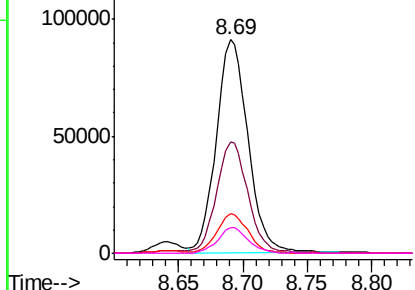
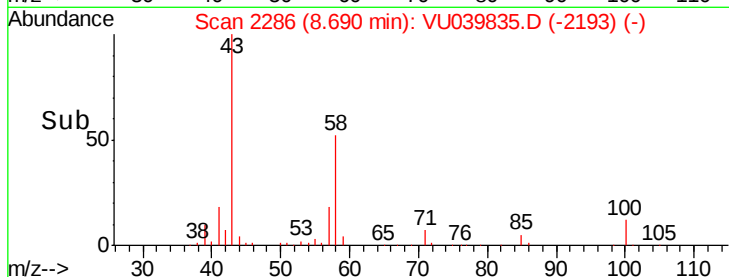
#48
2-Hexanone
Concen: 52.055 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039835.D
Acq: 10 Aug 2020 19:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tgt Ion: 43 Resp: 155863
Ion Ratio Lower Upper
43 100
58 51.7 41.8 62.8
57 18.4 14.2 21.4
100 11.5 9.4 14.2

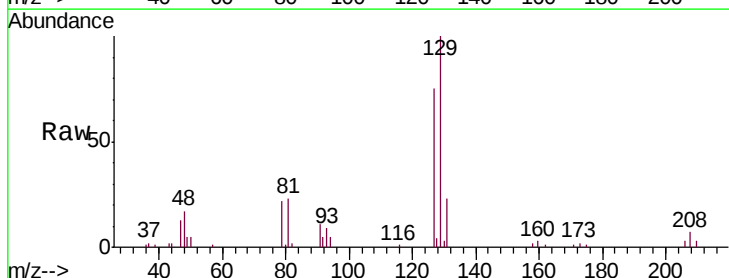


Abundance Ion 43.05 (42.75 to 43.75): VU039835.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU039835.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU039835.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU039835.D (-2193) (-)

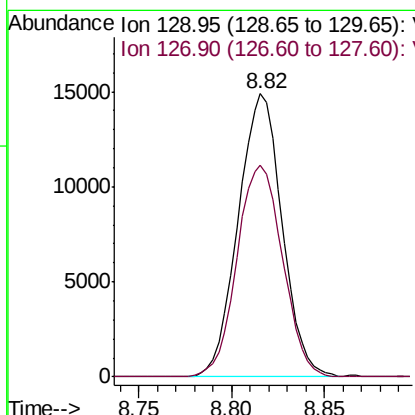
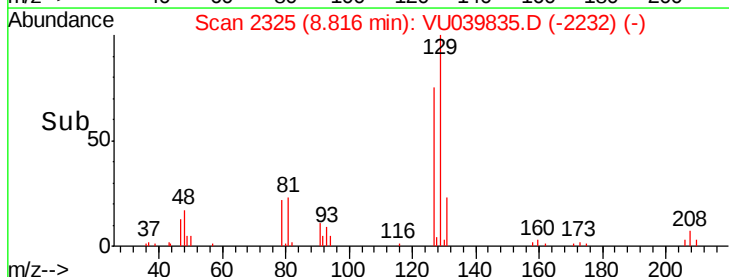


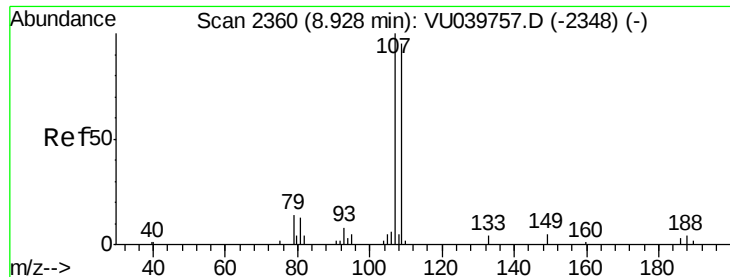
#49
Dibromochloromethane
Concen: 4.784 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039835.D
Acq: 10 Aug 2020 19:47

Tgt Ion: 129 Resp: 24503
Ion Ratio Lower Upper
129 100
127 74.8 53.0 98.4



Abundance Ion 128.95 (128.65 to 129.65): VU039835.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU039835.D (-2232) (-)

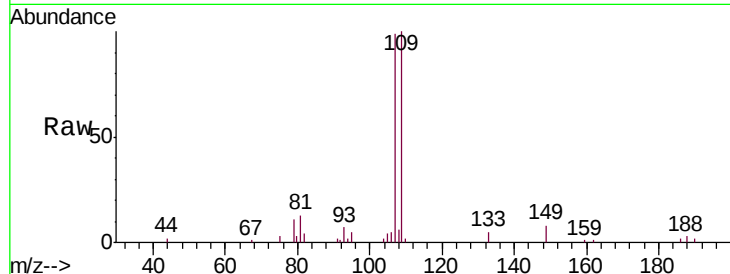




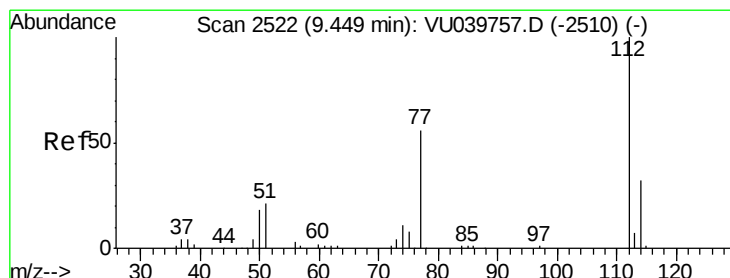
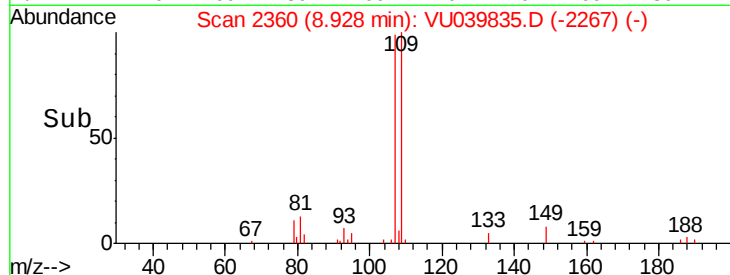
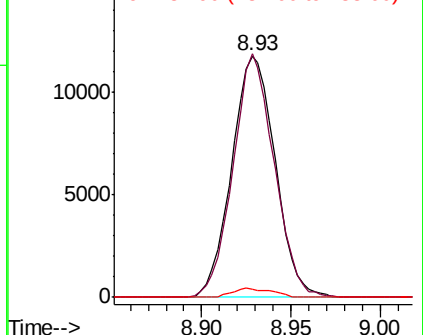
#50
 1,2-Dibromoethane
 Concen: 4.870 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tgt Ion:107 Resp: 19932
 Ion Ratio Lower Upper
 107 100
 109 101.0 63.9 118.7
 188 3.5 2.9 4.3

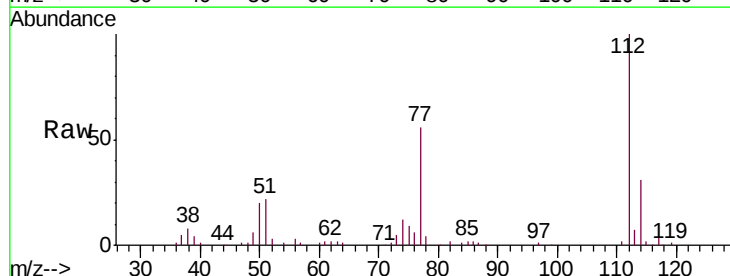


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

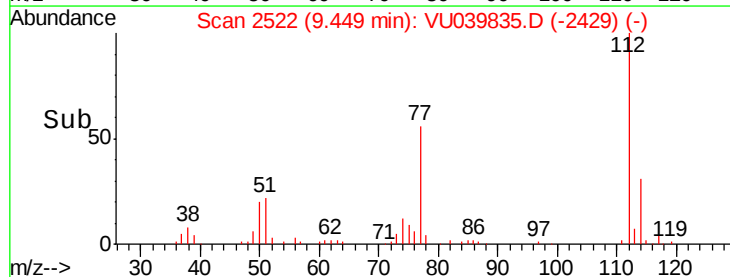
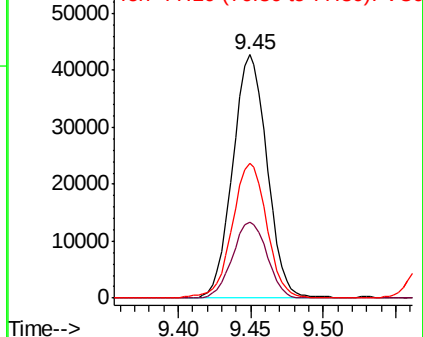


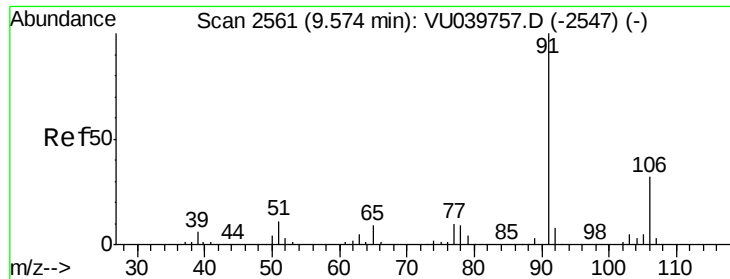
#51
 Chlorobenzene
 Concen: 4.788 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

Tgt Ion:112 Resp: 70637
 Ion Ratio Lower Upper
 112 100
 114 31.2 23.2 43.0
 77 55.6 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: 4.579 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

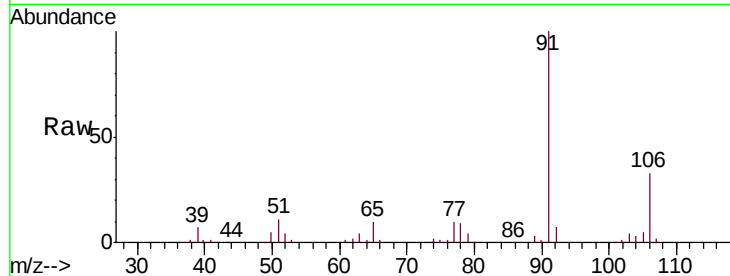
VSTD00518

Tgt Ion: 91 Resp: 112520

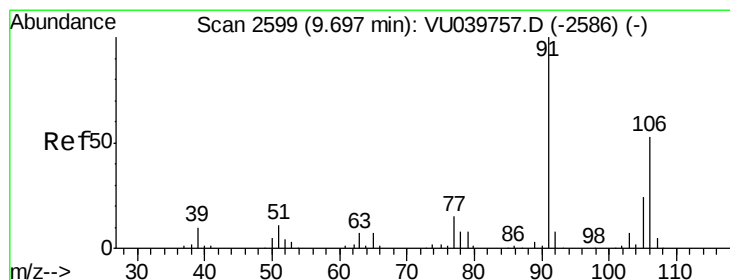
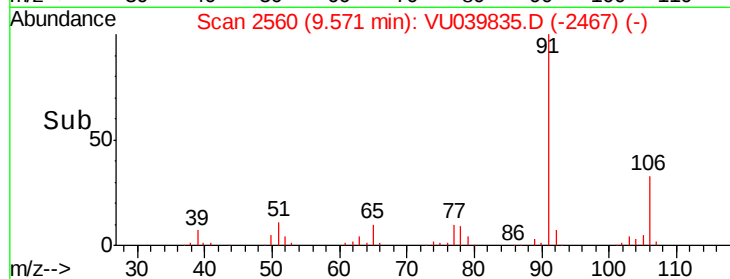
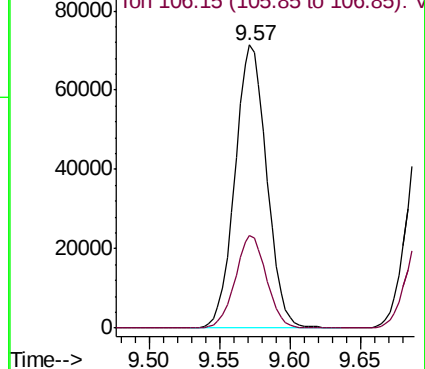
Ion Ratio Lower Upper

91 100

106 32.8 22.8 42.4



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



#53

m,p-Xylene

Concen: 4.695 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039835.D

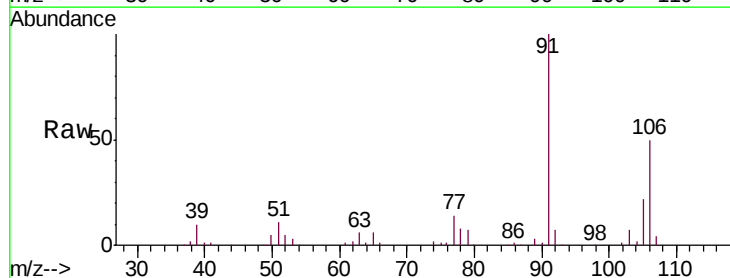
Acq: 10 Aug 2020 19:47

Tgt Ion: 106 Resp: 43933

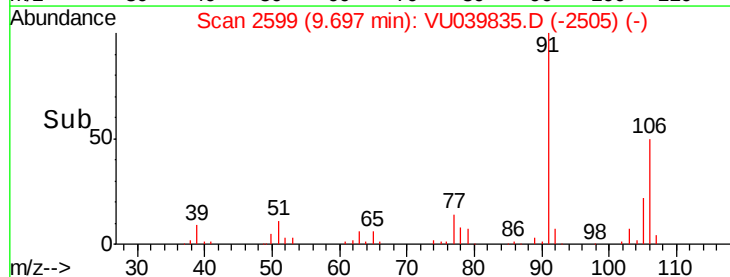
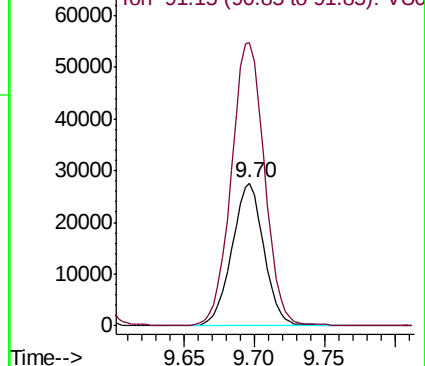
Ion Ratio Lower Upper

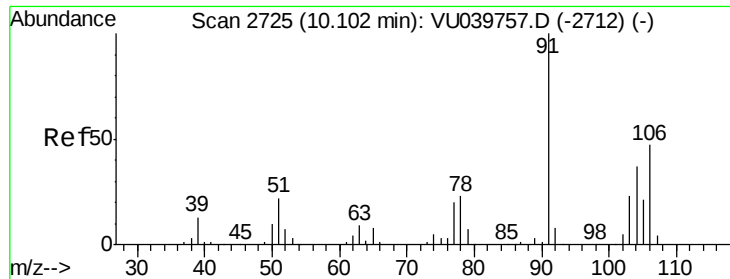
106 100

91 198.5 135.5 251.7



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

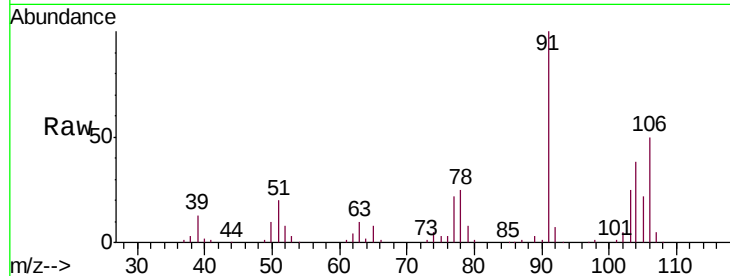




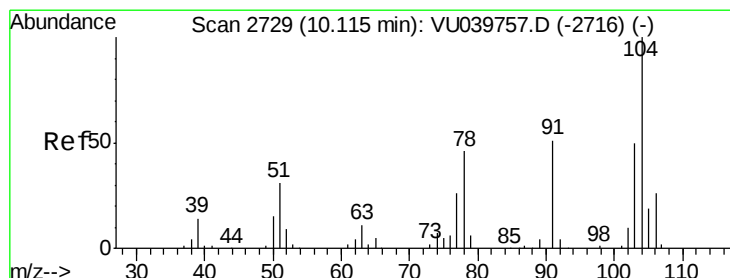
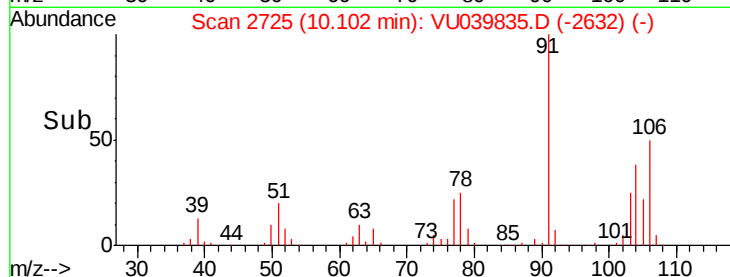
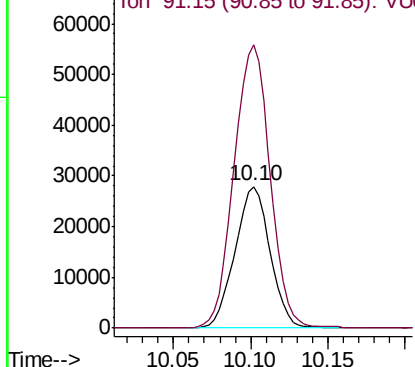
#54
o-Xylene
Concen: 4.809 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039835.D
Acq: 10 Aug 2020 19:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tgt Ion:106 Resp: 44063
Ion Ratio Lower Upper
106 100
91 199.9 140.8 261.6

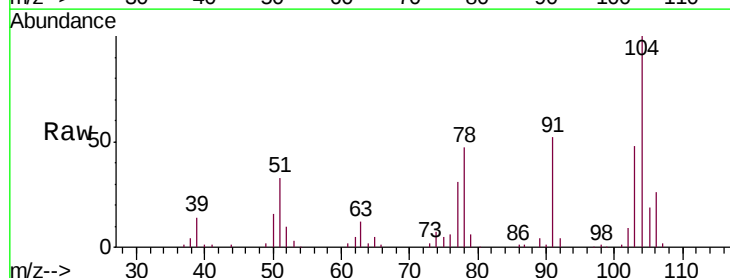


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

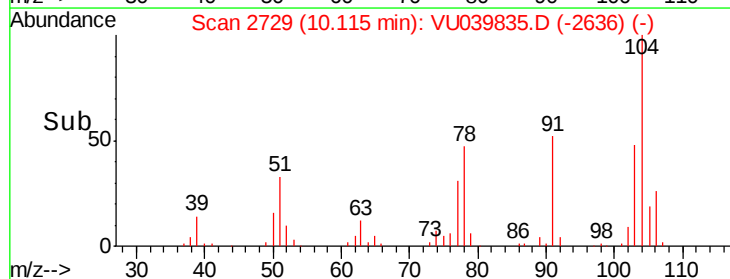
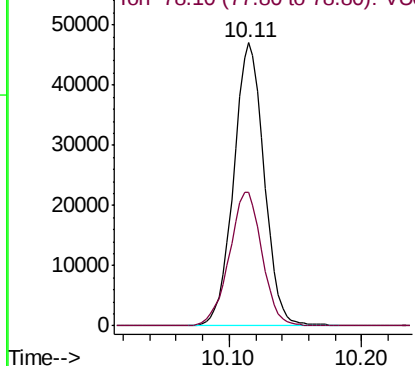


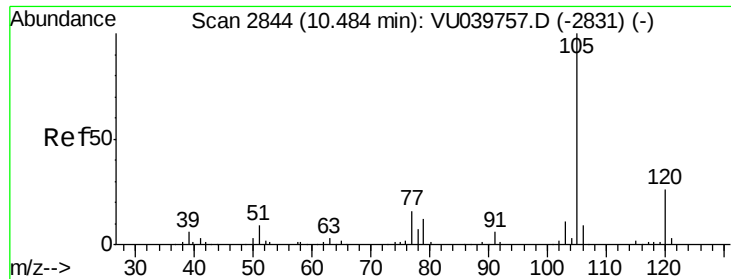
#55
Styrene
Concen: 4.855 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039835.D
Acq: 10 Aug 2020 19:47

Tgt Ion:104 Resp: 74901
Ion Ratio Lower Upper
104 100
78 47.1 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: 4.583 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

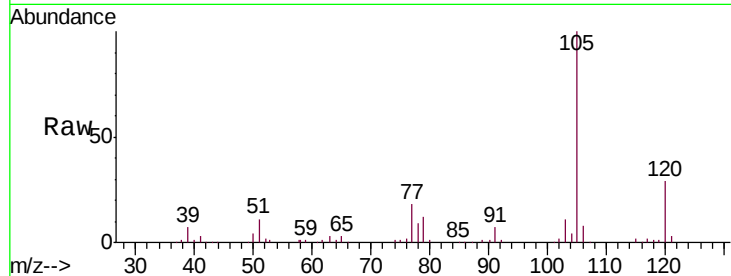
Tgt Ion: 105 Resp: 112214

Ion Ratio Lower Upper

105 100

120 27.8 21.0 31.6

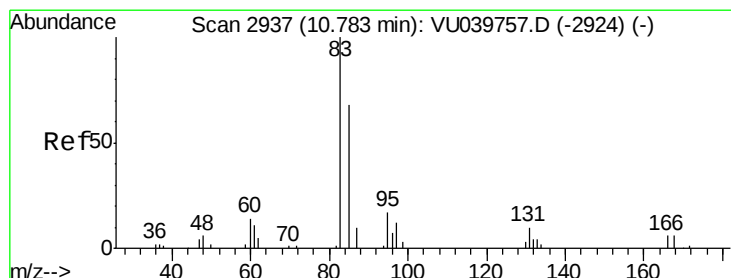
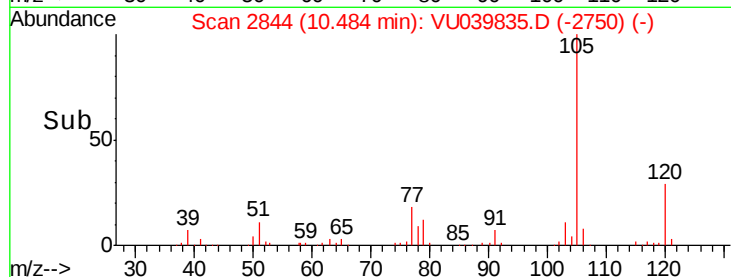
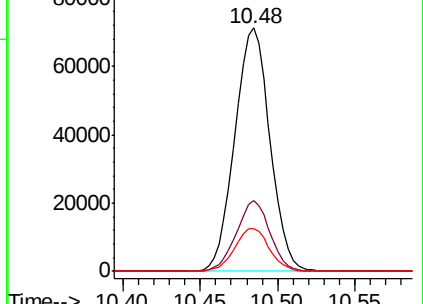
77 17.3 12.9 19.3



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: 4.668 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

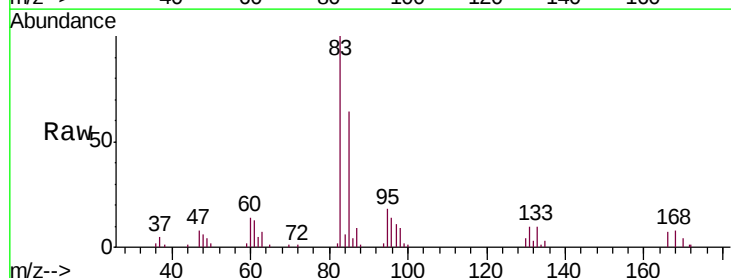
Tgt Ion: 83 Resp: 26802

Ion Ratio Lower Upper

83 100

85 63.8 44.4 82.4

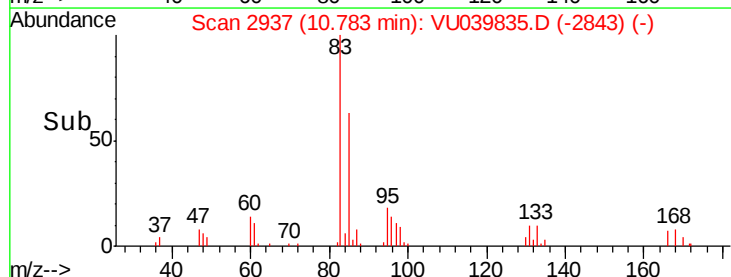
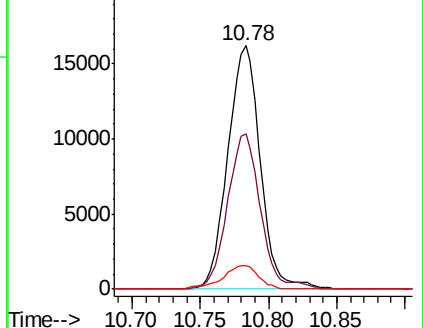
131 9.7 7.4 11.0

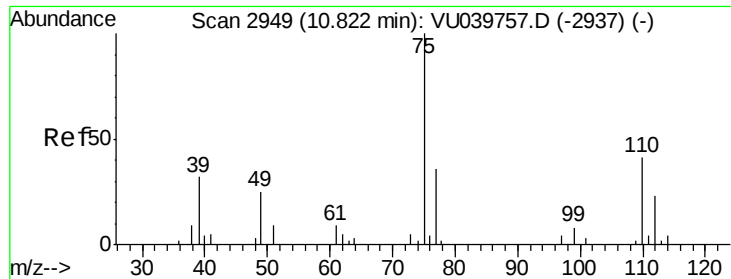


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.648 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

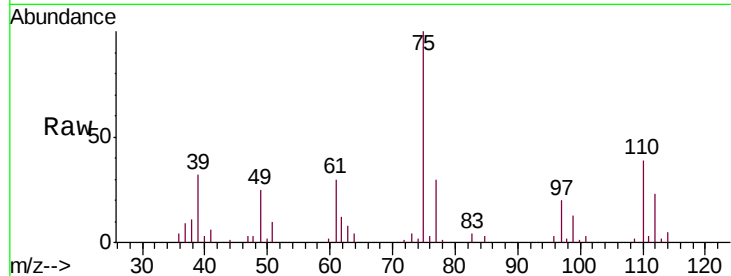
VSTD00518

Tgt Ion: 75 Resp: 18601

Ion Ratio Lower Upper

75 100

77 32.6 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) (-)

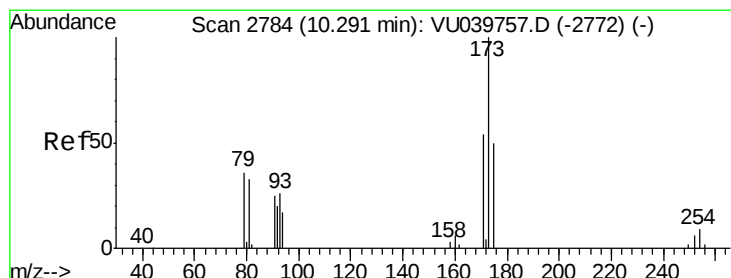
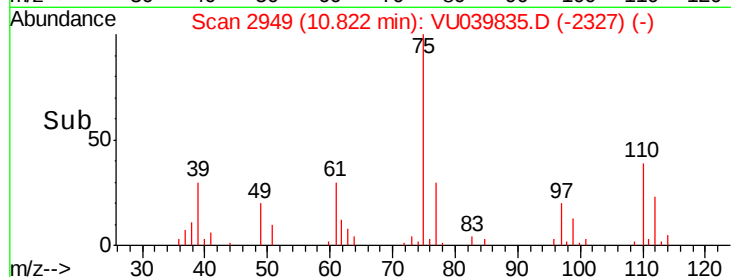
10.82

10000

5000

0

Time-->



#61

Bromoform

Concen: 4.649 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU039835.D

Acq: 10 Aug 2020 19:47

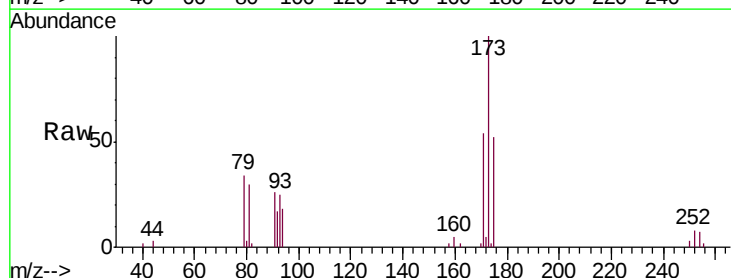
Tgt Ion: 173 Resp: 13534

Ion Ratio Lower Upper

173 100

175 49.2 33.8 50.8

254 7.2 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) (-)

10.29

10000

8000

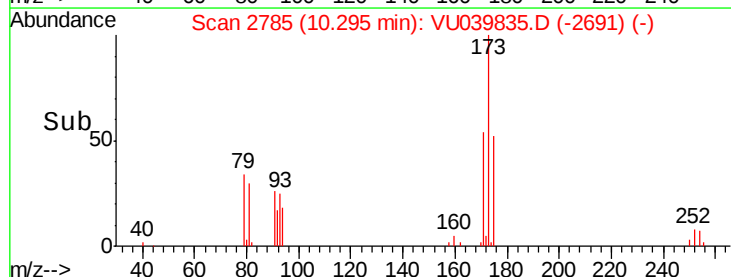
6000

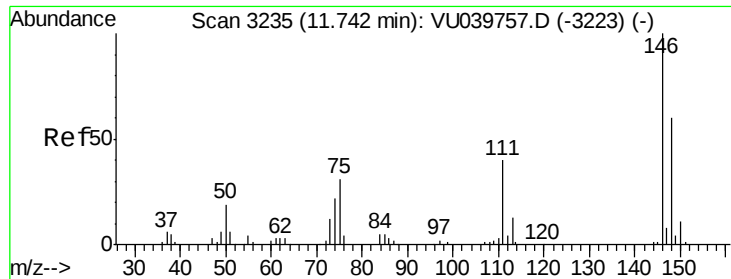
4000

2000

0

Time-->

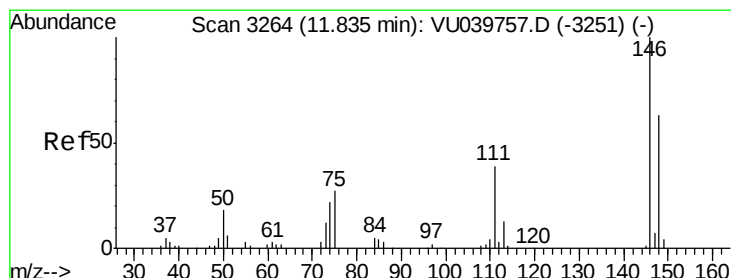
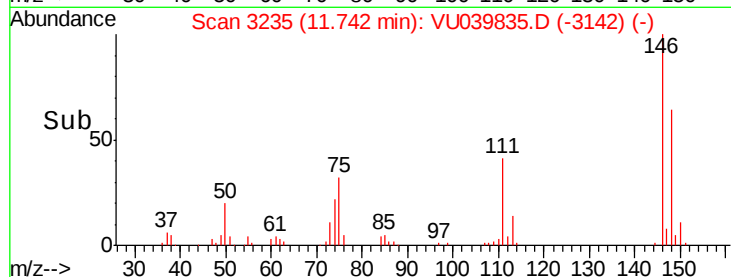
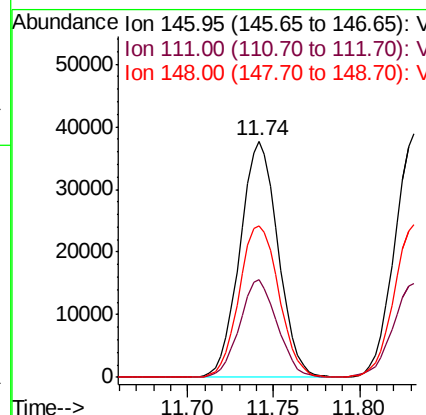
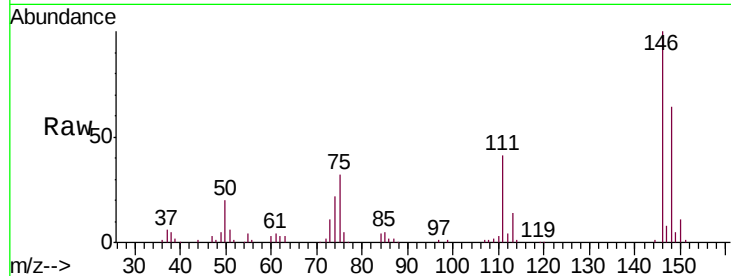




#62
 1,3-Dichlorobenzene
 Concen: 4.598 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

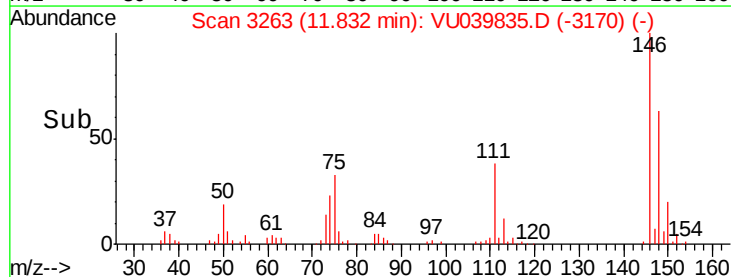
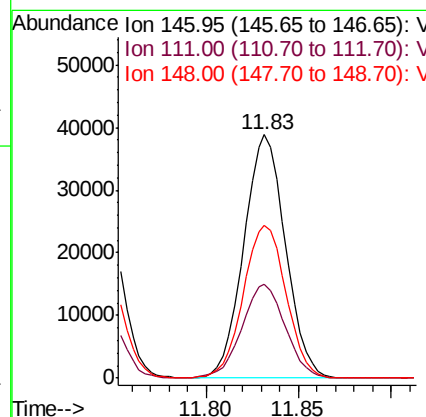
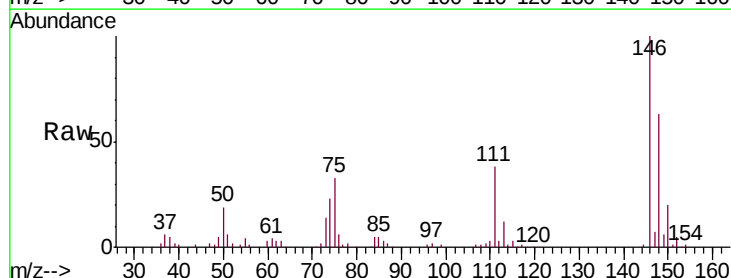
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

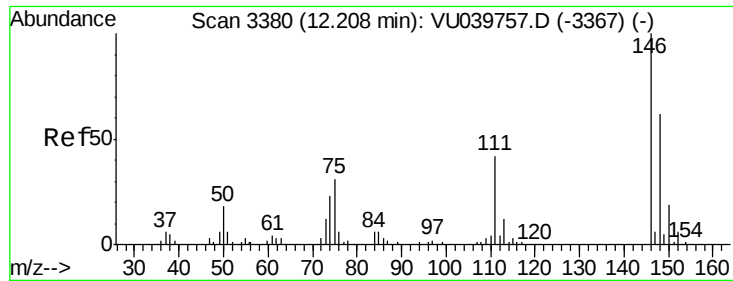
Tgt Ion:146 Resp: 57977
 Ion Ratio Lower Upper
 146 100
 111 41.1 27.7 51.5
 148 64.3 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 4.547 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

Tgt Ion:146 Resp: 60448
 Ion Ratio Lower Upper
 146 100
 111 38.5 26.5 49.3
 148 62.5 45.3 84.1

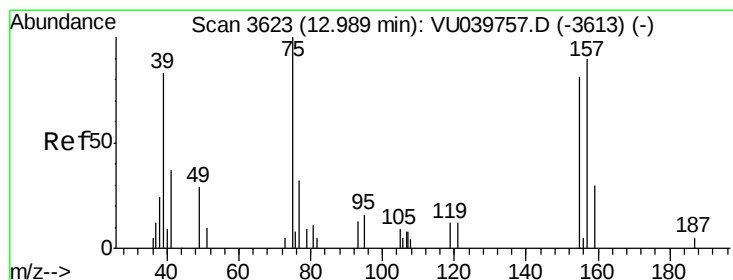
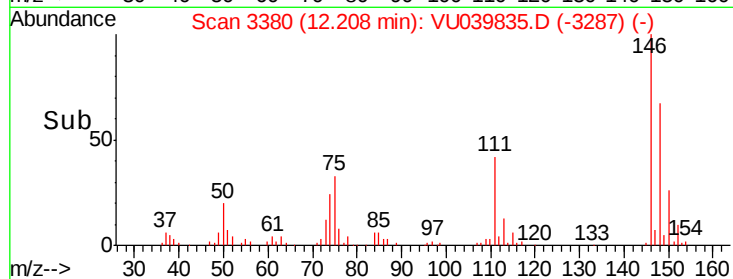
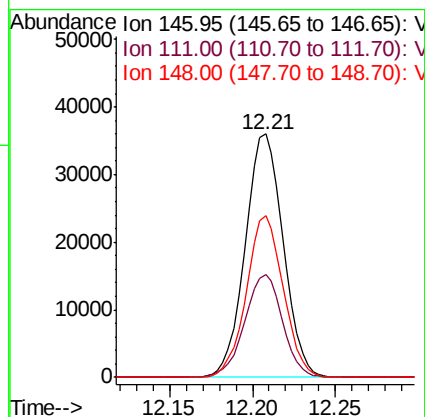
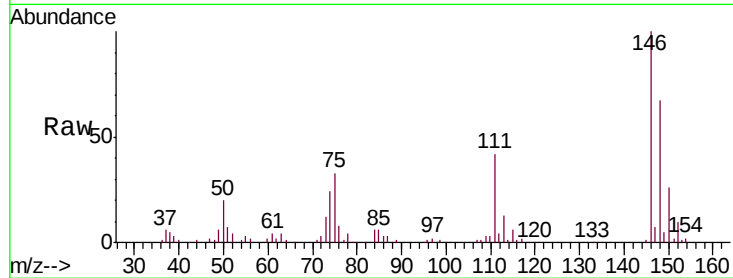




#65
 1,2-Dichlorobenzene
 Concen: 4.618 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

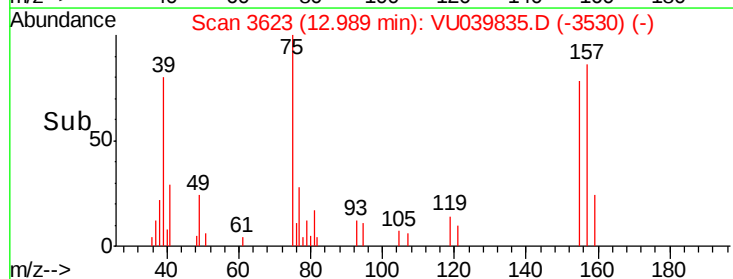
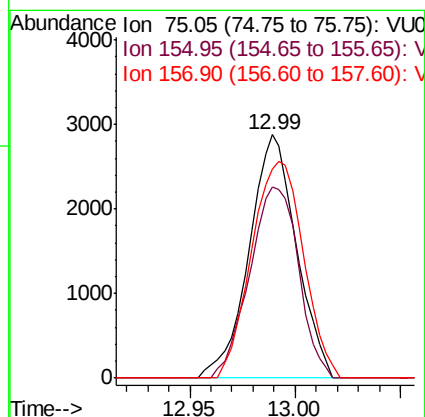
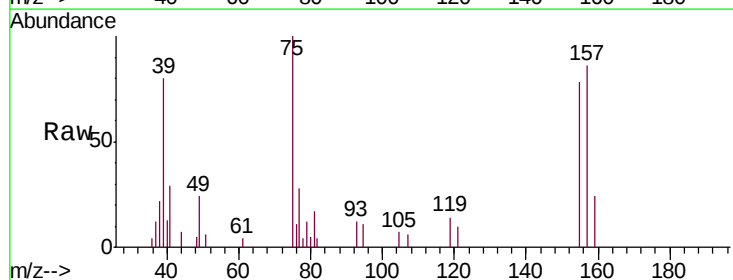
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

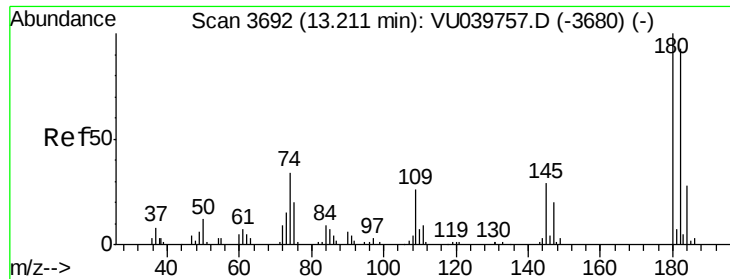
Tgt Ion: 146 Resp: 57373
 Ion Ratio Lower Upper
 146 100
 111 42.0 33.1 49.7
 148 66.6 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.789 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

Tgt Ion: 75 Resp: 4498
 Ion Ratio Lower Upper
 75 100
 155 78.5 64.0 96.0
 157 86.0 77.0 115.6

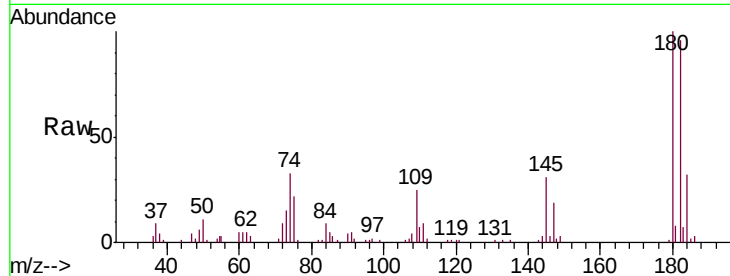




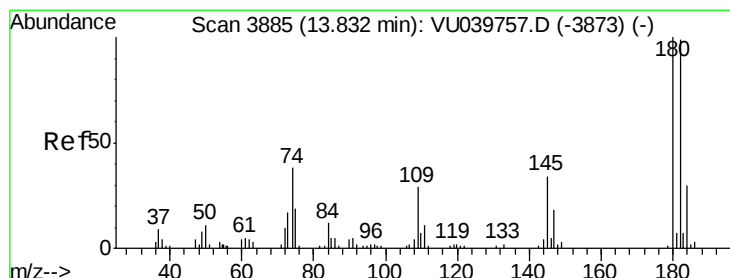
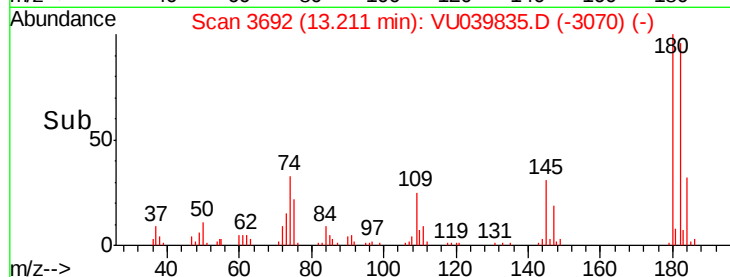
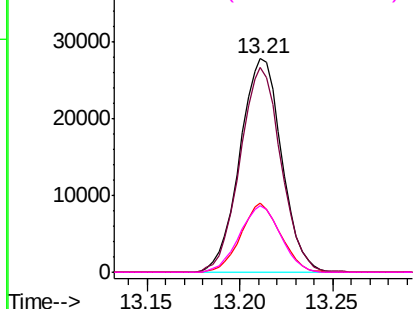
#67
 1,3,5-Trichlorobenzene
 Concen: 4.527 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tgt Ion:180 Resp: 43262
 Ion Ratio Lower Upper
 180 100
 182 94.3 74.9 112.3
 184 30.6 25.3 37.9
 145 30.6 25.0 37.6

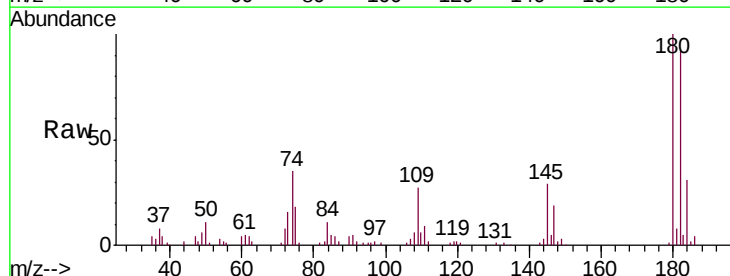


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

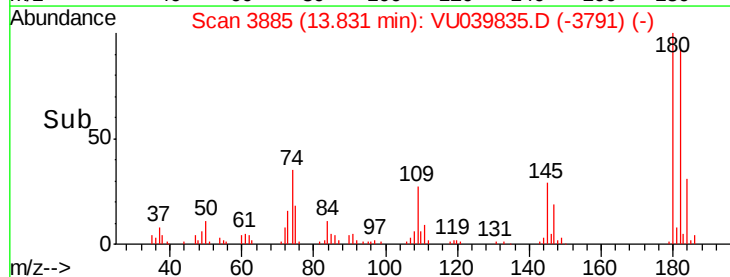
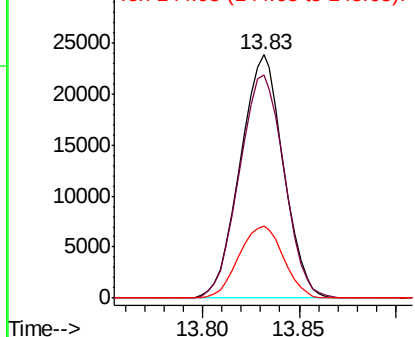


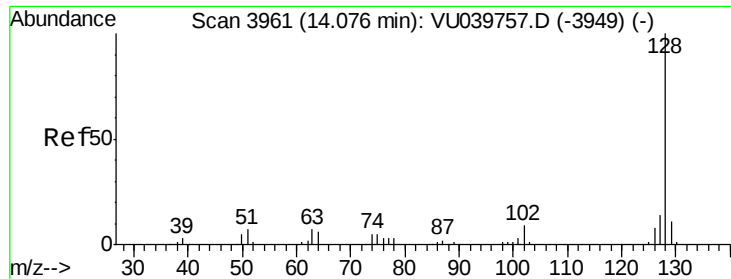
#68
 1,2,4-trichlorobenzene
 Concen: 4.623 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039835.D
 Acq: 10 Aug 2020 19:47

Tgt Ion:180 Resp: 37027
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.7 113.5
 145 30.6 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

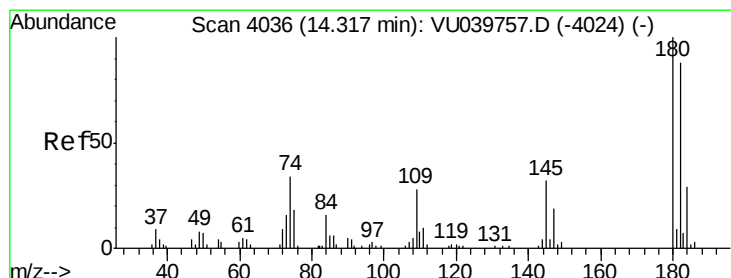
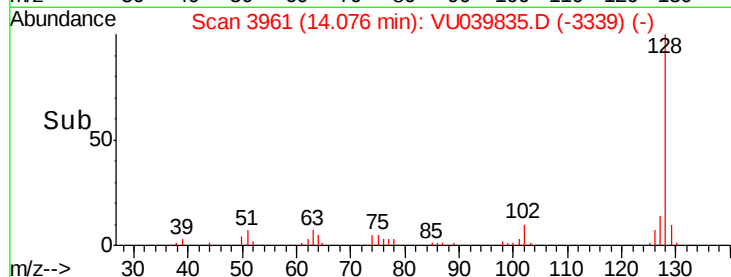
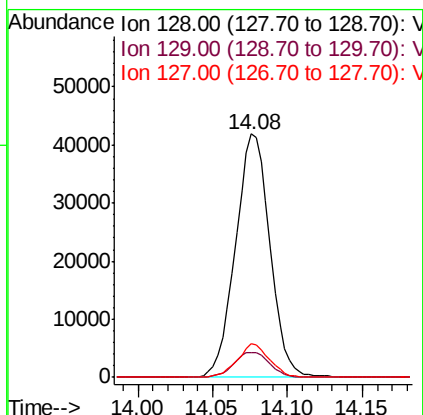
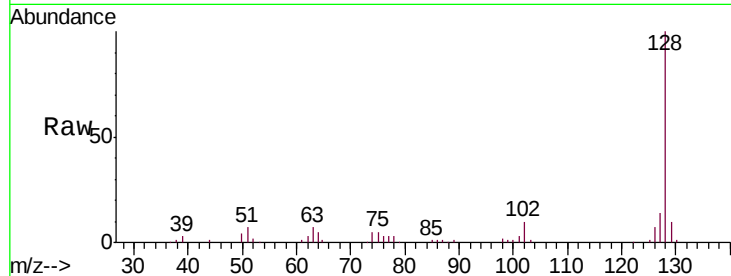




#69
Naphthalene
Concen: 4.699 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU039835.D
Acq: 10 Aug 2020 19:47

Instrument :
MSVOA_U
ClientSampled :
VSTD00518

Tgt Ion:128 Resp: 67288
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 12.8 10.1 15.1



#70
1,2,3-Trichlorobenzene
Concen: 4.959 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU039835.D
Acq: 10 Aug 2020 19:47

Tgt Ion:180 Resp: 35632
Ion Ratio Lower Upper
180 100
182 91.6 76.1 114.1
145 32.9 27.4 41.0

