

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070920\
 Data File : VU039408.D
 Acq On : 09 Jul 2020 20:15
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Quant Time: Jul 10 00:23:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 10 00:19:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	96802	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	89086	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43554	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	24177	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.92	69	33512	5.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.80%
11) 1,1-Dichloroethene-d2	2.58	63	47313	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	4.65	46	161062	62.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.48%
24) Chloroform-d	5.08	84	60316	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.72	65	40456	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.74	84	101948	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.71	67	40648	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.91	98	78906	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	8.19	79	16896	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.64	63	121649	61.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.26%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	42050	5.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	35791	4.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	32006	5.455	ug/L	99
3) Chloromethane	1.53	50	34604	4.868	ug/L	100
5) Vinyl chloride	1.61	62	40232	5.097	ug/L	98
6) Bromomethane	1.87	94	14147	4.162	ug/L	95
8) Chloroethane	1.94	64	34725	6.089	ug/L	92
9) Trichlorofluoromethane	2.15	101	63280	4.617	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	28016	4.981	ug/L	98
12) 1,1-Dichloroethene	2.59	96	29336	5.096	ug/L	91
13) Acetone	2.66	43	69706	50.306	ug/L	100
14) Carbon disulfide	2.81	76	91364	4.505	ug/L	97
15) Methyl Acetate	2.97	43	18515	5.059	ug/L	99
16) Methylene chloride	3.06	84	36595	5.053	ug/L	96
17) Methyl tert-butyl Ether	3.38	73	92456	5.097	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	31022	4.867	ug/L	99
19) 1,1-Dichloroethane	3.89	63	62450	5.008	ug/L	97
21) 2-Butanone	4.73	43	125389	50.699	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	35280	4.937	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
 Data File : VU039408.D
 Acq On : 09 Jul 2020 20:15
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Quant Time: Jul 10 00:23:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 10 00:19:08 2020
 Response via : Initial Calibration

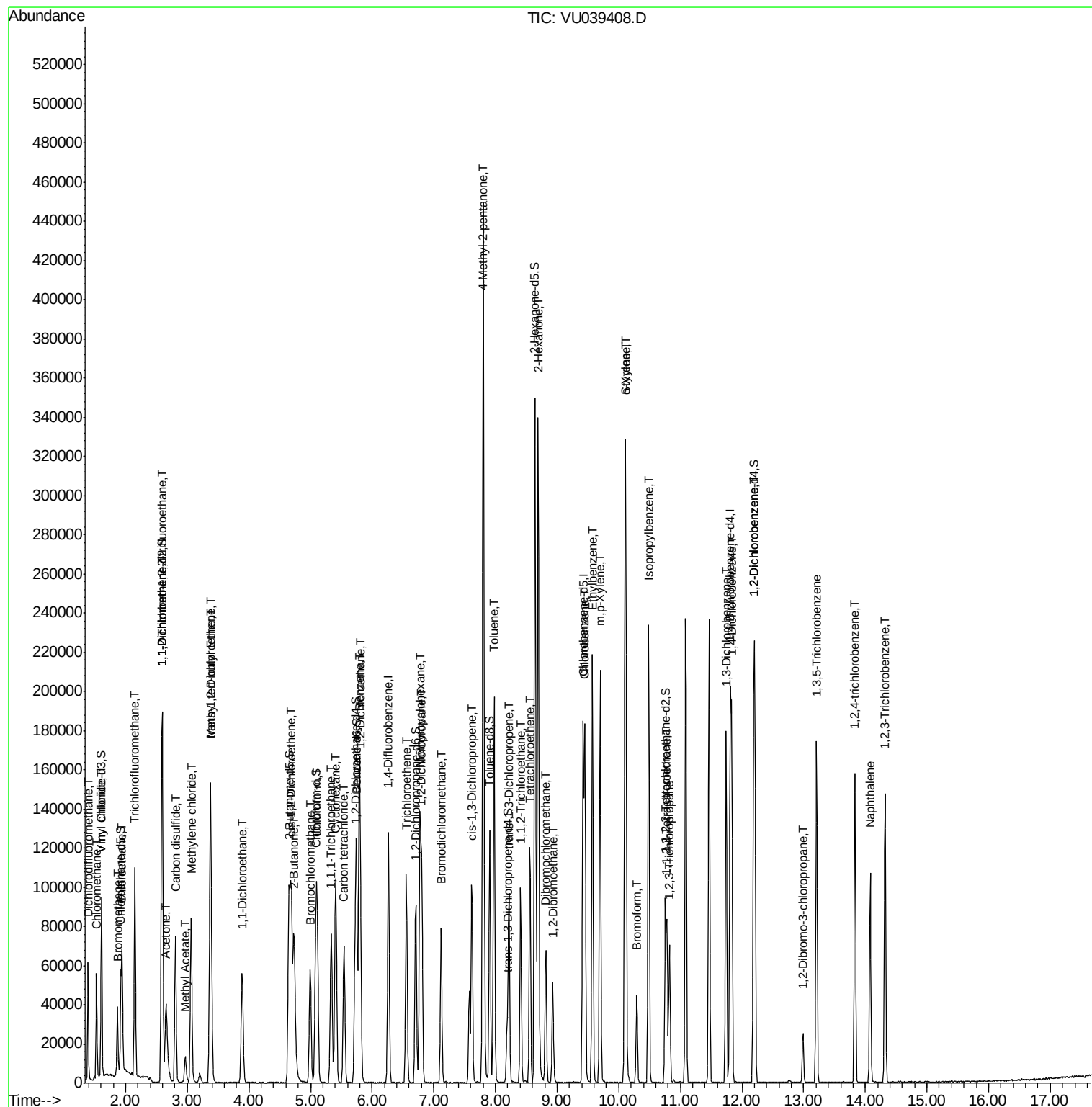
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	16438	5.063	ug/L	95
25) Chloroform	5.11	83	64733	5.140	ug/L	100
27) 1,2-Dichloroethane	5.81	62	47644	5.230	ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	53834	5.131	ug/L	98
30) Cyclohexane	5.41	56	52920	4.791	ug/L	99
31) Carbon tetrachloride	5.54	117	43798	4.893	ug/L	99
33) Benzene	5.79	78	134923	5.066	ug/L	100
34) Trichloroethene	6.56	95	33521	4.868	ug/L	96
35) Methylcyclohexane	6.78	83	51835	4.699	ug/L	98
37) 1,2-Dichloropropane	6.81	63	36218	4.988	ug/L	99
38) Bromodichloromethane	7.12	83	47558	5.129	ug/L	100
39) cis-1,3-Dichloropropene	7.62	75	54174	4.936	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	307358	50.745	ug/L	98
42) Toluene	7.98	91	136621	4.790	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	48125	4.942	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	27667	5.305	ug/L	96
47) Tetrachloroethene	8.56	164	23081	4.819	ug/L	97
48) 2-Hexanone	8.69	43	226538	50.725	ug/L	98
49) Dibromochloromethane	8.82	129	31587	5.000	ug/L	100
50) 1,2-Dibromoethane	8.93	107	25953	4.898	ug/L	98
51) Chlorobenzene	9.45	112	84644	4.857	ug/L	98
52) Ethylbenzene	9.57	91	150661	4.780	ug/L	97
53) m,p-Xylene	9.70	106	56551	4.762	ug/L	98
54) o-Xylene	10.10	106	55062	4.762	ug/L	98
55) Styrene	10.12	104	93470	4.646	ug/L	98
56) Isopropylbenzene	10.48	105	143114	4.577	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	37278	5.135	ug/L #	94
59) 1,2,3-Trichloropropane	10.82	75	26813	5.011	ug/L	100
61) Bromoform	10.29	173	17394	4.738	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	65039	4.765	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	64527	4.713	ug/L	96
65) 1,2-Dichlorobenzene	12.21	146	64061	4.682	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	5929	4.906	ug/L	88
67) 1,3,5-Trichlorobenzene	13.21	180	48171	4.717	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	41965	4.802	ug/L	95
69) Naphthalene	14.08	128	80722	4.590	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	39394	4.864	ug/L	99

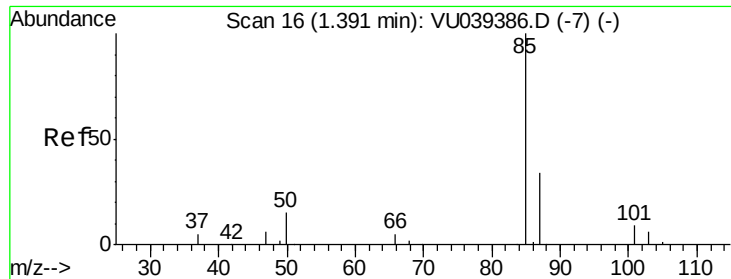
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
Data File : VU039408.D
Acq On : 09 Jul 2020 20:15
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Quant Time: Jul 10 00:23:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 10 00:19:08 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.455 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

Instrument :

MSVOA_U

ClientSampleId :

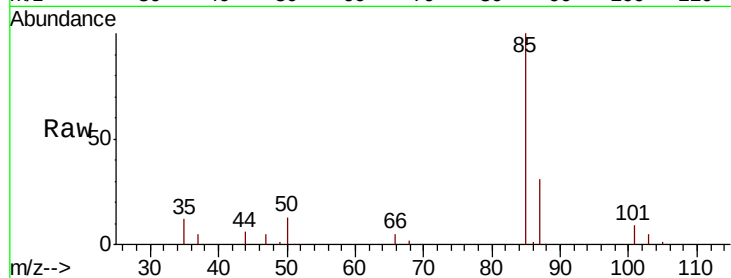
VSTD00512

Tot Ion: 85 Resp: 32006

Ion Ratio Lower Upper

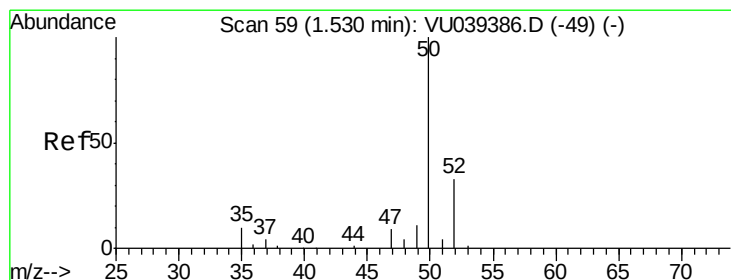
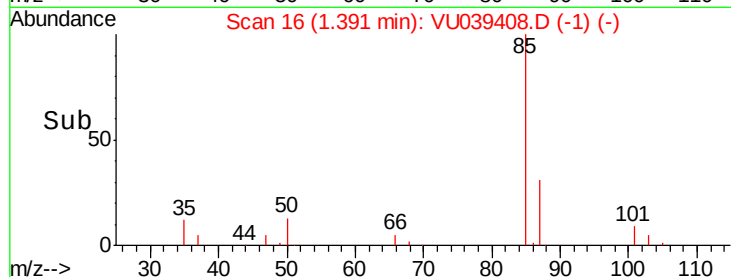
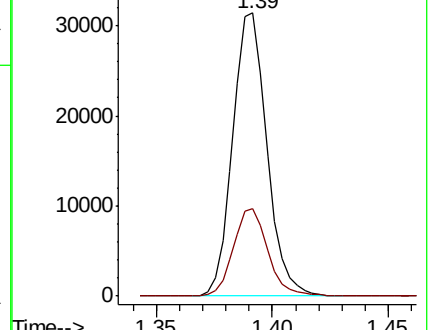
85 100

87 31.0 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039386.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039386.D (-7) (-)



#3

Chloromethane

Concen: 4.868 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039408.D

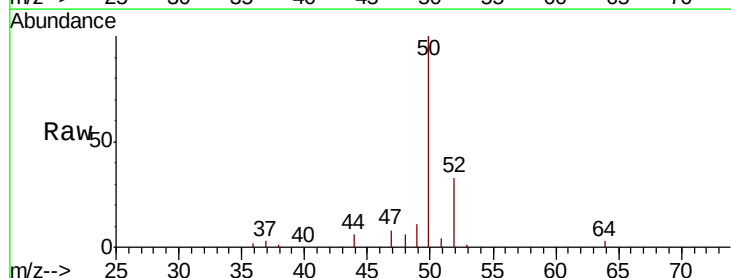
Acq: 09 Jul 2020 20:15

Tgt Ion: 50 Resp: 34604

Ion Ratio Lower Upper

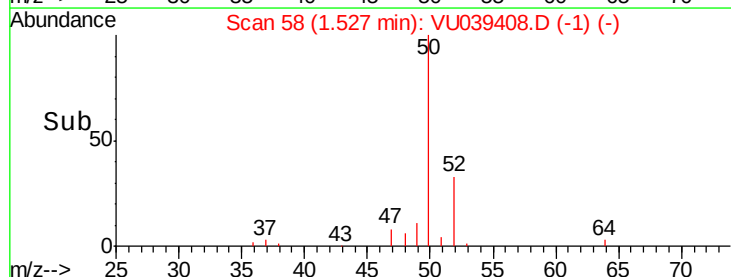
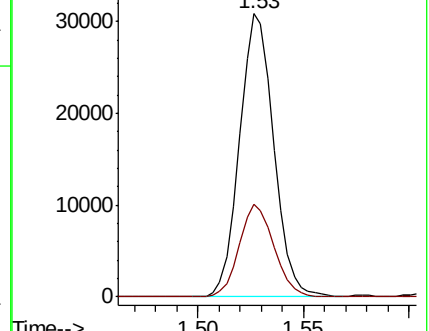
50 100

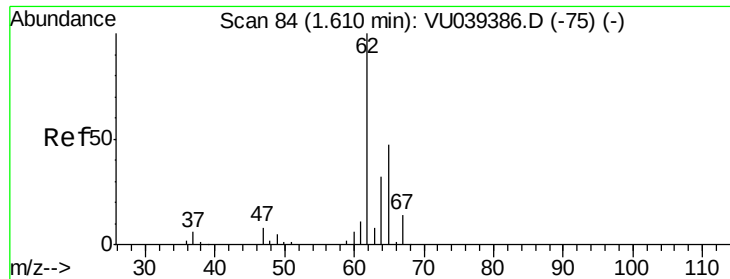
52 32.7 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039386.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039386.D (-49) (-)





#5

Vinyl chloride

Concen: 5.097 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

Instrument :

MSVOA_U

ClientSampleId :

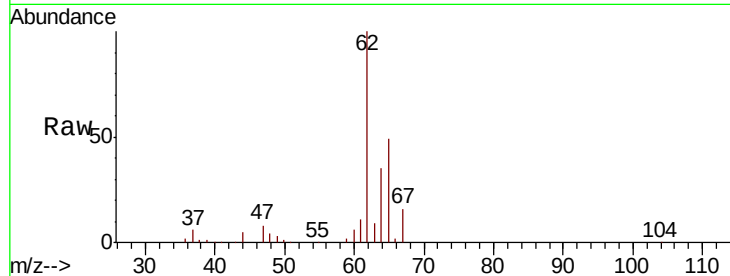
VSTD00512

Tot Ion: 62 Resp: 40232

Ion Ratio Lower Upper

62 100

64 35.0 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU039408.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039408.D (-75) (-)

1.61

40000

30000

20000

10000

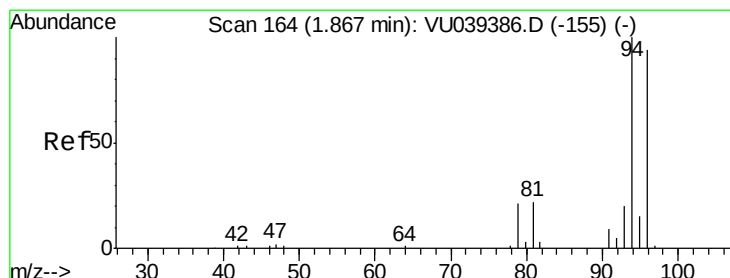
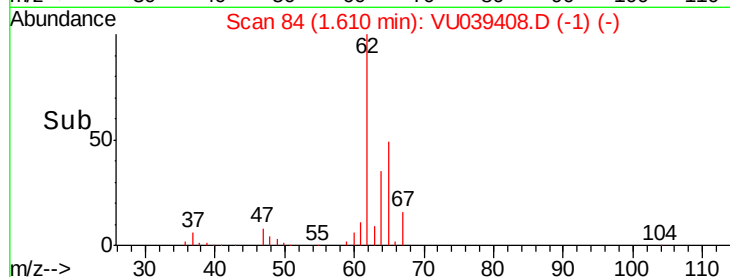
0

1.55

1.60

1.65

Time-->



#6

Bromomethane

Concen: 4.162 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039408.D

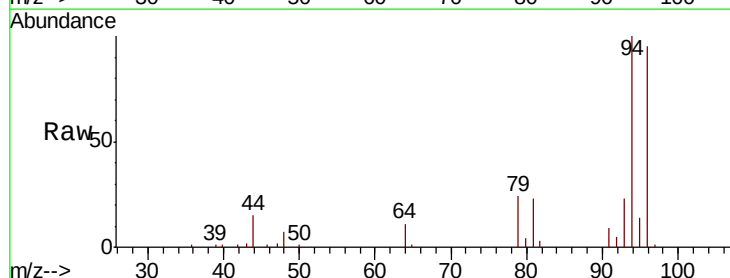
Acq: 09 Jul 2020 20:15

Tgt Ion: 94 Resp: 14147

Ion Ratio Lower Upper

94 100

96 94.5 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU039408.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039408.D (-155) (-)

1.87

12000

10000

8000

6000

4000

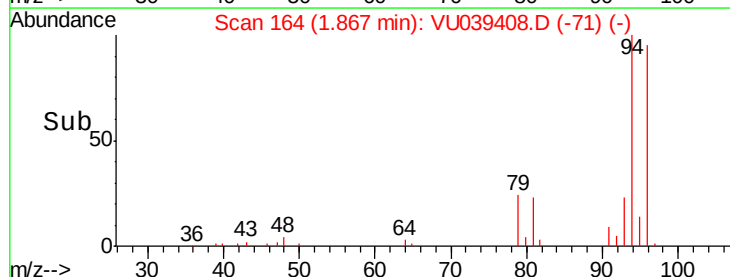
2000

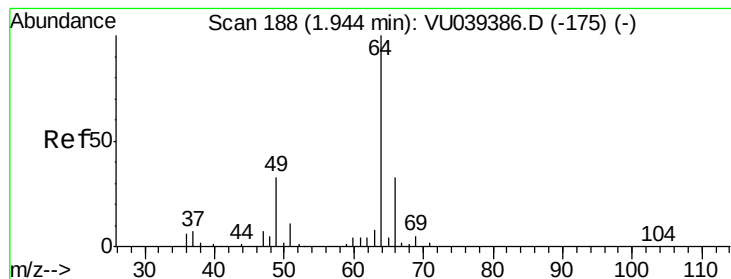
0

1.85

1.90

Time-->





#8

Chloroethane

Concen: 6.089 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

Instrument :

MSVOA_U

ClientSampleId :

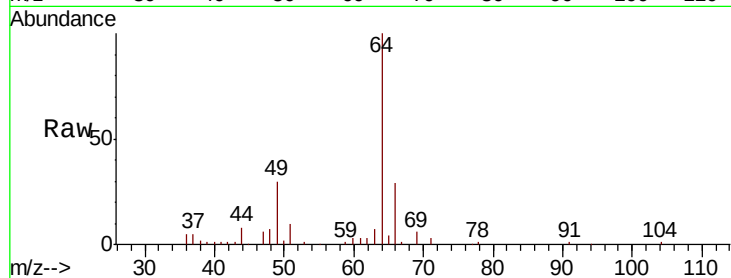
VSTD00512

Tot Ion: 64 Resp: 34725

Ion Ratio Lower Upper

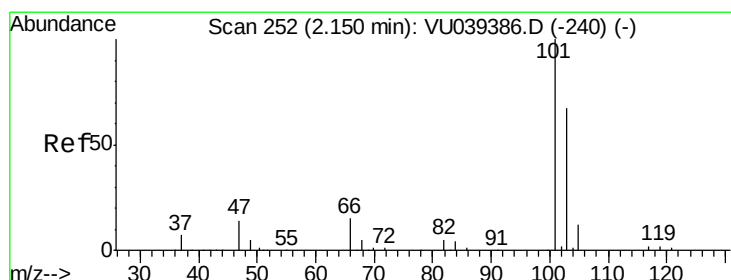
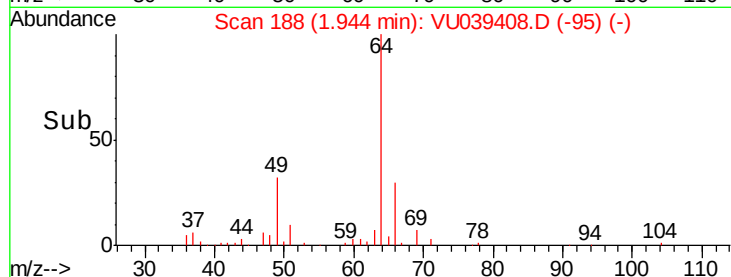
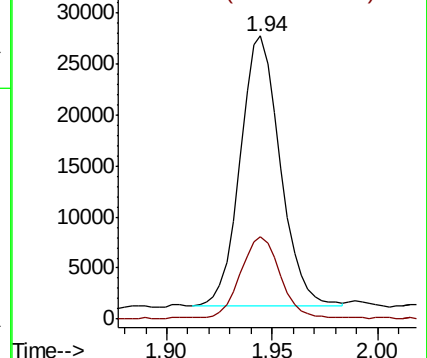
64 100

66 28.9 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU039408.D (-175) (-)

Ion 66.05 (65.75 to 66.75): VU039408.D (-175) (-)



#9

Trichlorofluoromethane

Concen: 4.617 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039408.D

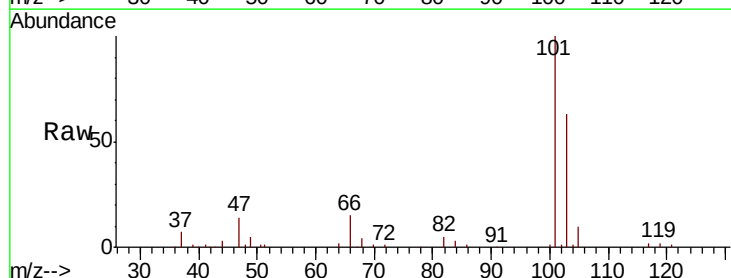
Acq: 09 Jul 2020 20:15

Tgt Ion:101 Resp: 63280

Ion Ratio Lower Upper

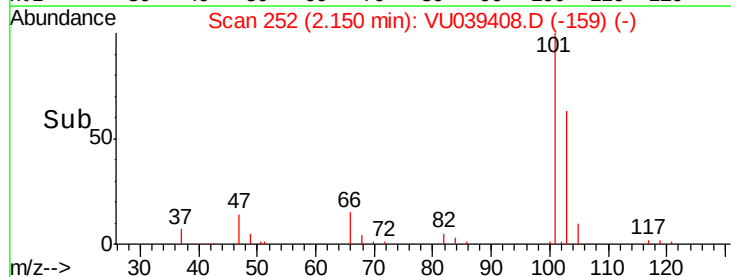
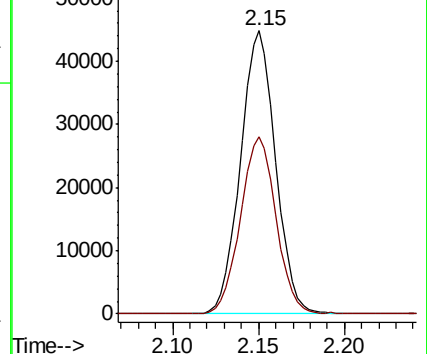
101 100

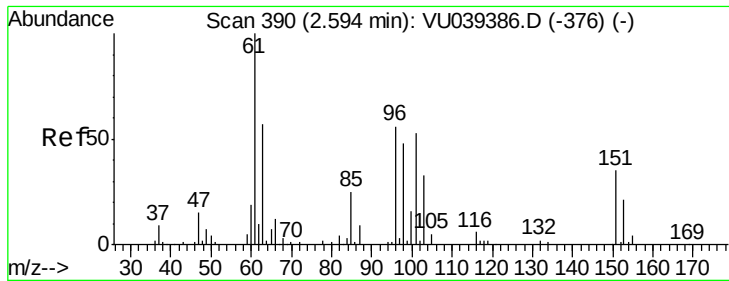
103 63.7 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): VU039408.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039408.D (-240) (-)





#10

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

Concen: 4.981 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

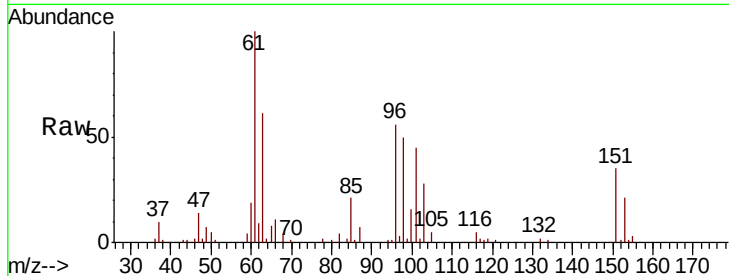
Tot Ion:101 Resp: 28016

Ion Ratio Lower Upper

101 100

85 47.7 38.9 58.3

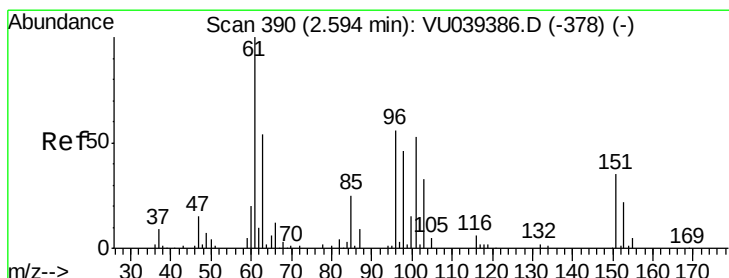
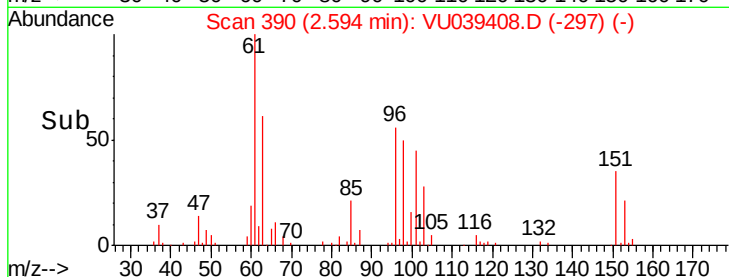
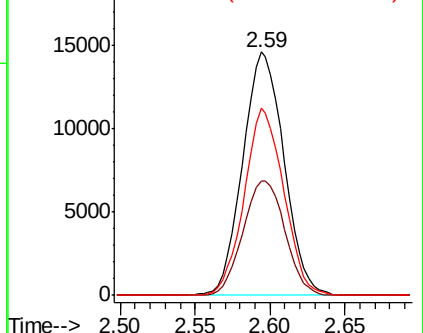
151 73.6 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.096 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

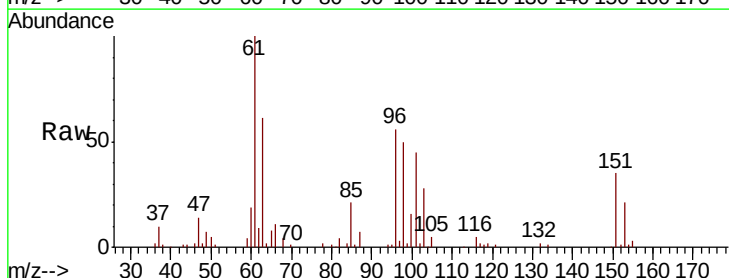
Tgt Ion: 96 Resp: 29336

Ion Ratio Lower Upper

96 100

61 177.7 125.4 232.8

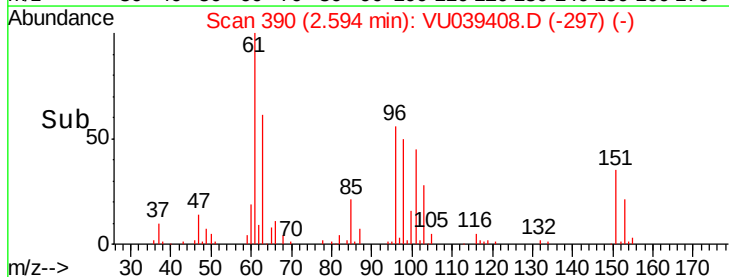
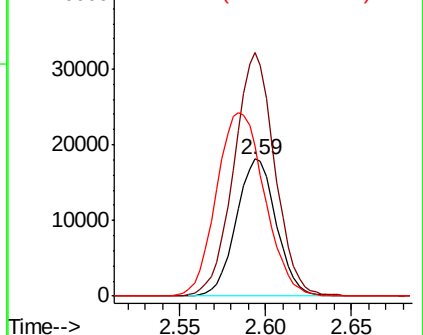
63 109.2 92.7 172.3

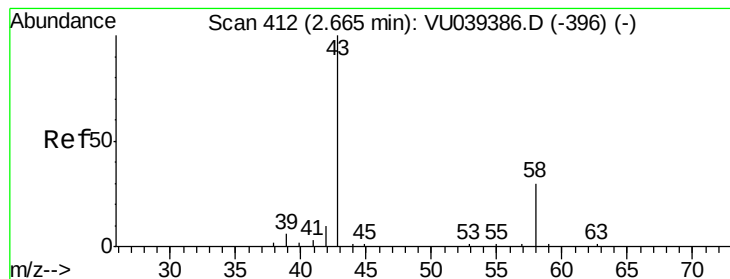


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.306 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

Instrument :

MSVOA_U

ClientSampleId :

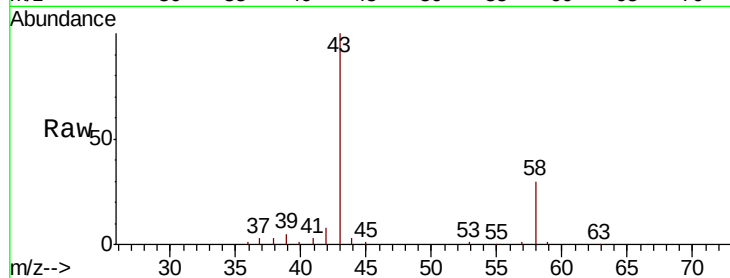
VSTD00512

Tot Ion: 43 Resp: 69706

Ion Ratio Lower Upper

43 100

58 31.2 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039386.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU039386.D (-396) (-)

2.66

25000

20000

15000

10000

5000

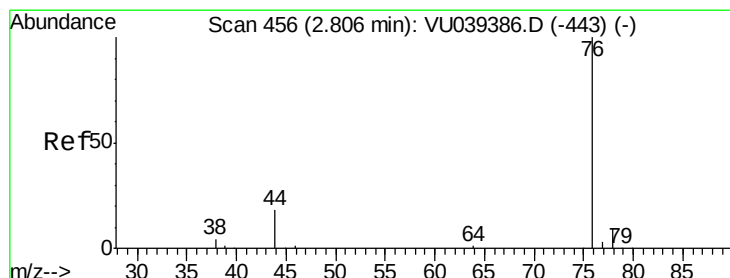
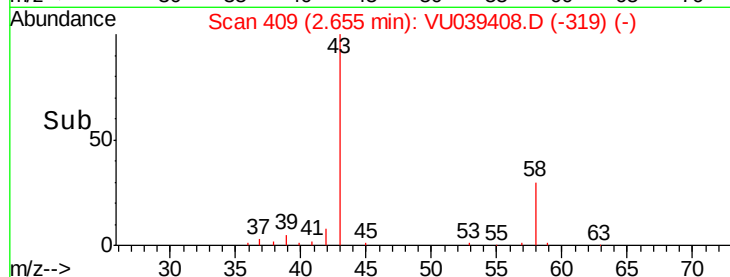
0

Time-->

2.60

2.70

2.80



#14

Carbon disulfide

Concen: 4.505 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039408.D

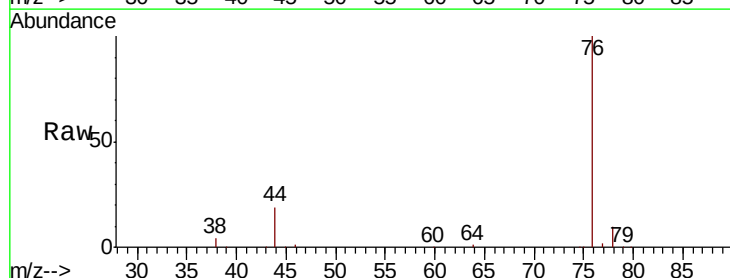
Acq: 09 Jul 2020 20:15

Tgt Ion: 76 Resp: 91364

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039386.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039386.D (-443) (-)

2.81

60000

50000

40000

30000

20000

10000

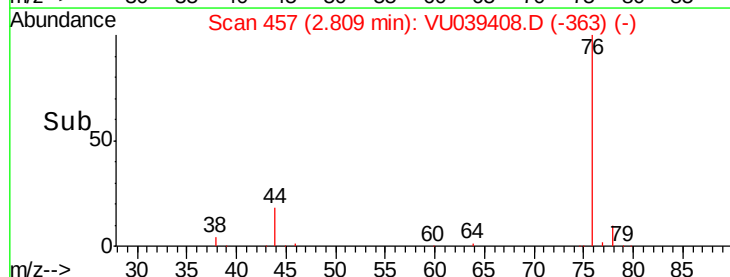
0

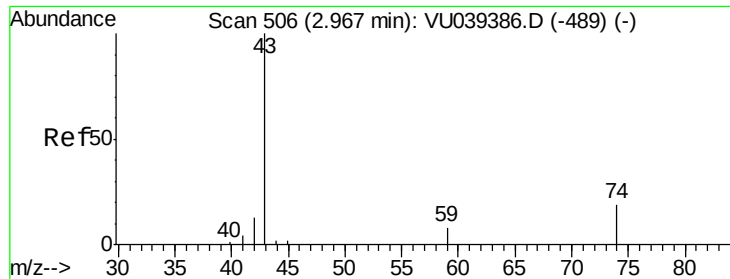
Time-->

2.75

2.85

2.90

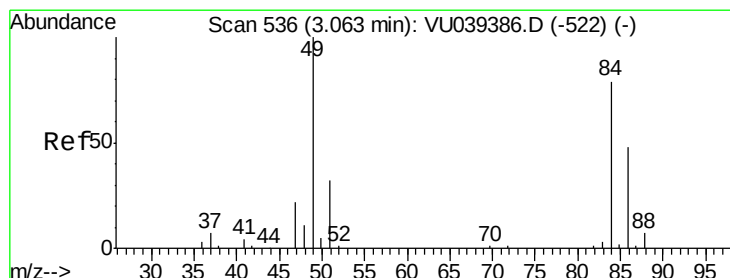
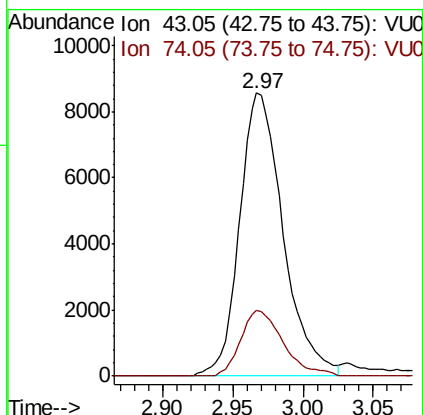
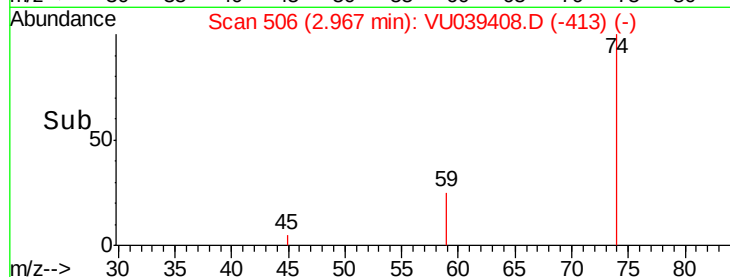
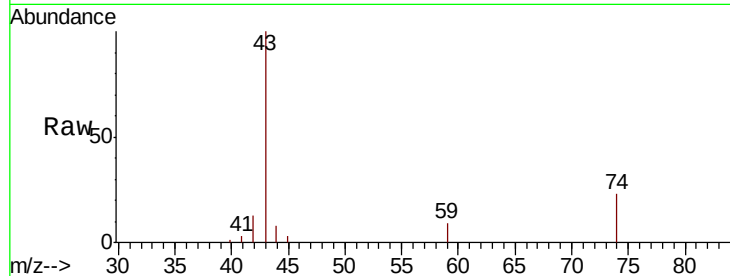




#15
Methvl Acetate
Concen: 5.059 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU039408.D
Acq: 09 Jul 2020 20:15

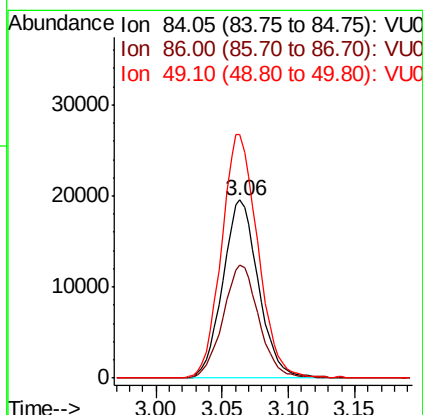
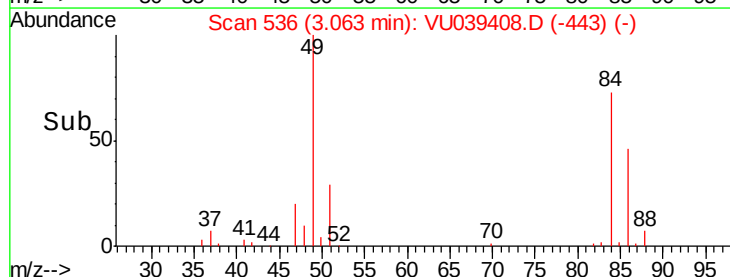
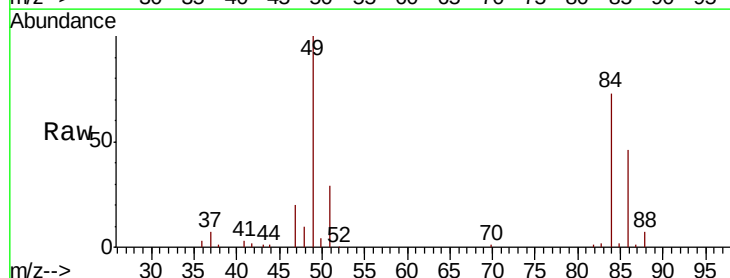
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

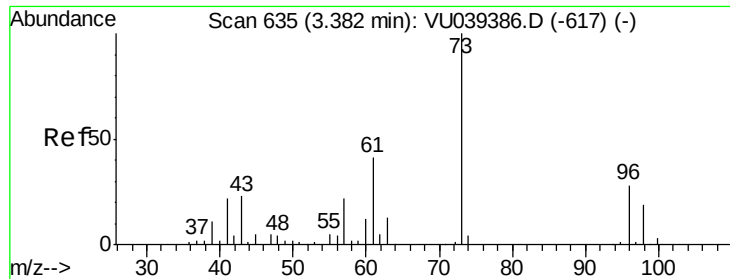
Tot Ion: 43 Resp: 18515
Ion Ratio Lower Upper
43 100
74 22.7 18.7 28.1



#16
Methylene chloride
Concen: 5.053 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039408.D
Acq: 09 Jul 2020 20:15

Tgt Ion: 84 Resp: 36595
Ion Ratio Lower Upper
84 100
86 63.2 43.5 80.9
49 136.5 91.1 169.1

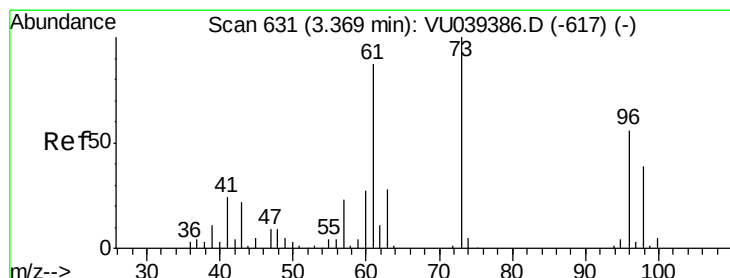
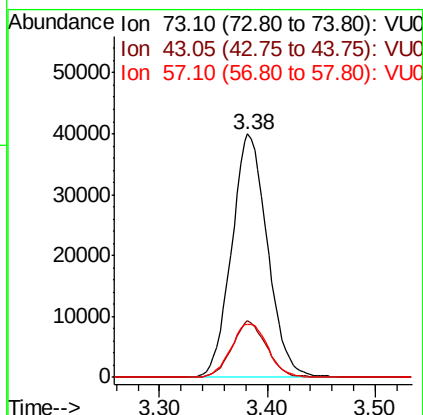
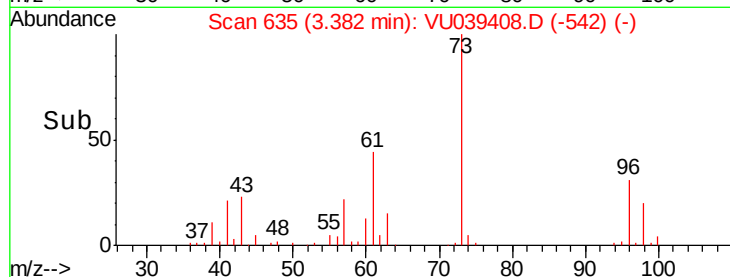
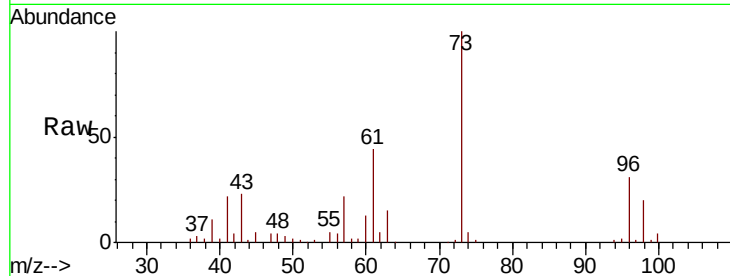




#17
Methyl tert-butyl Ether
Concen: 5.097 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039408.D
Acq: 09 Jul 2020 20:15

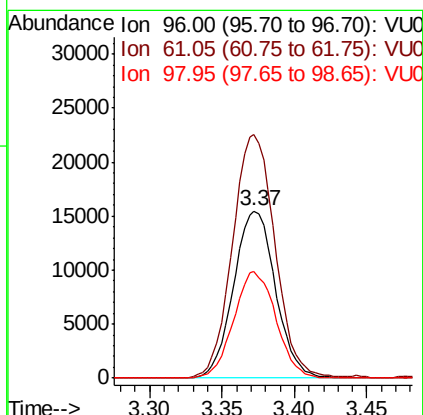
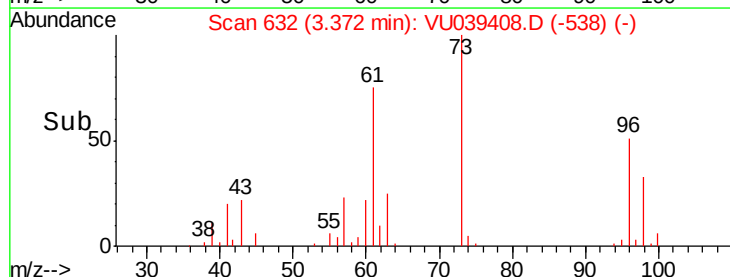
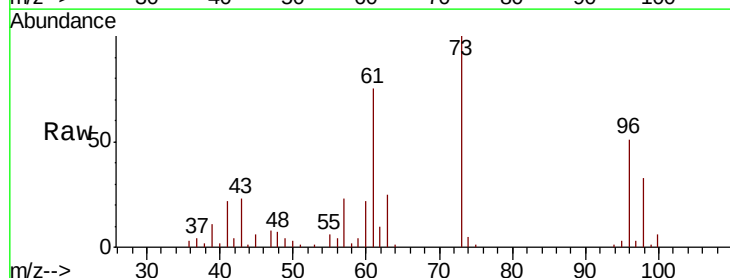
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

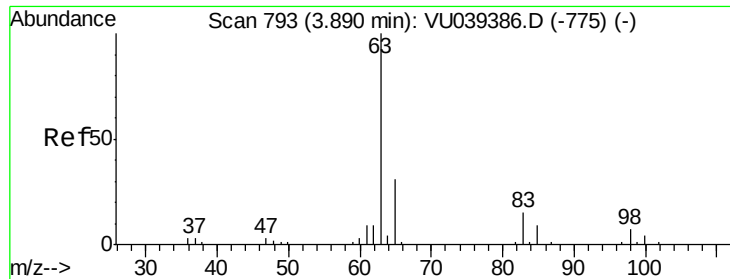
Tot Ion: 73 Resp: 92456
Ion Ratio Lower Upper
73 100
43 22.1 18.6 28.0
57 22.5 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.867 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039408.D
Acq: 09 Jul 2020 20:15

Tgt Ion: 96 Resp: 31022
Ion Ratio Lower Upper
96 100
61 145.4 102.1 189.5
98 64.0 42.5 78.9

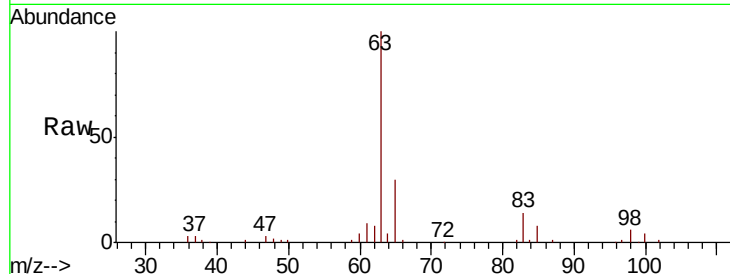




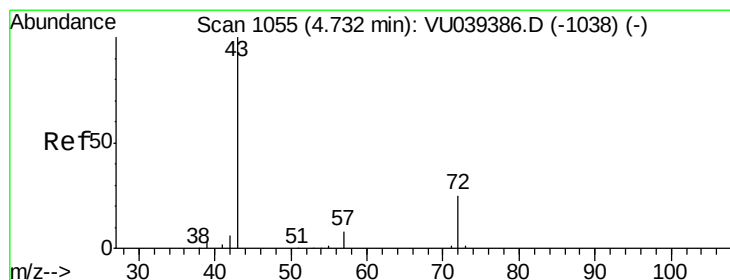
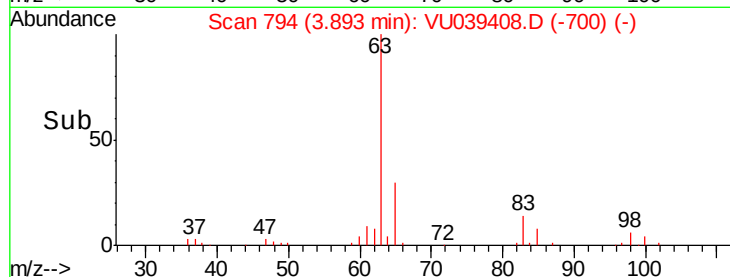
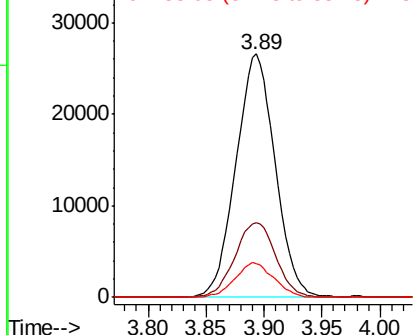
#19
 1,1-Dichloroethane
 Concen: 5.008 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion: 63 Resp: 62450
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.0 42.6
 83 14.1 9.6 17.8

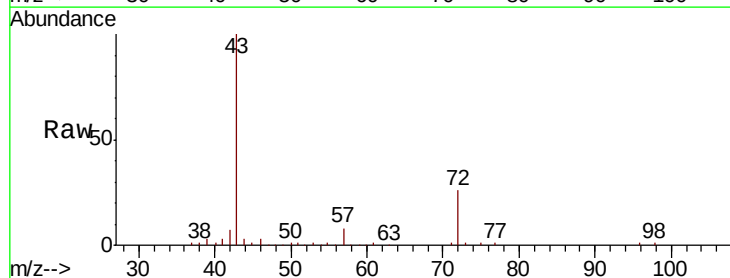


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

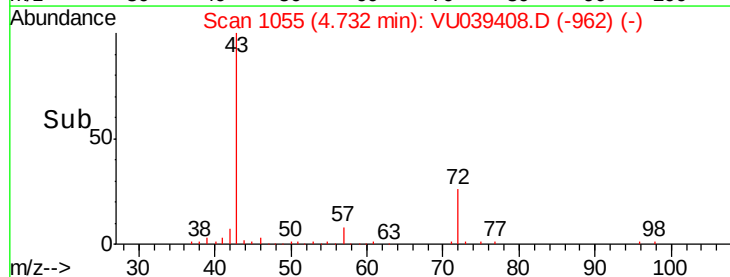
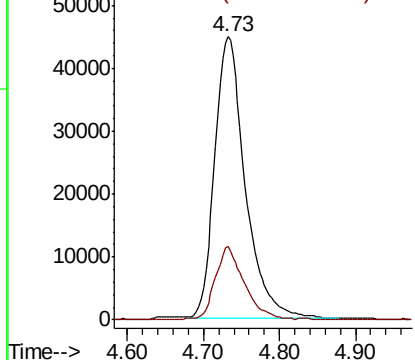


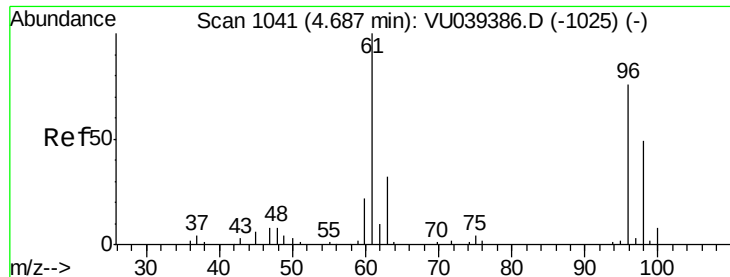
#21
 2-Butanone
 Concen: 50.699 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

Tgt Ion: 43 Resp: 125389
 Ion Ratio Lower Upper
 43 100
 72 24.9 13.2 39.5



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: 4.937 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

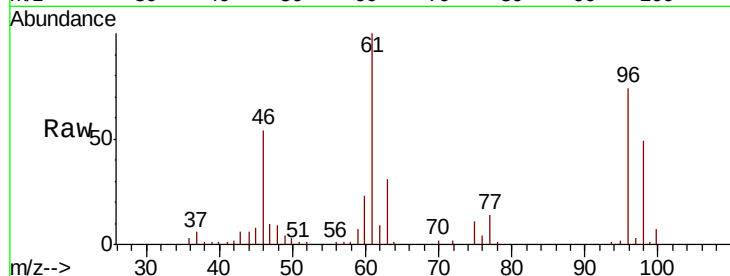
Tot Ion: 96 Resp: 35280

Ion Ratio Lower Upper

96 100

61 135.8 92.8 172.4

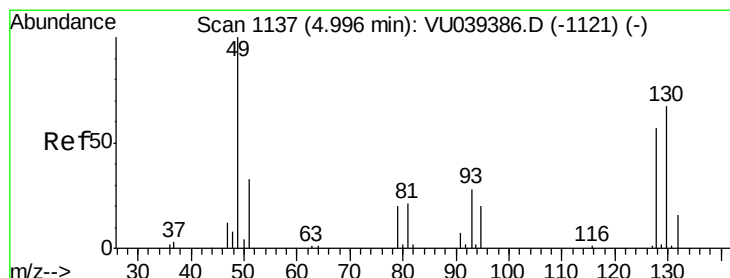
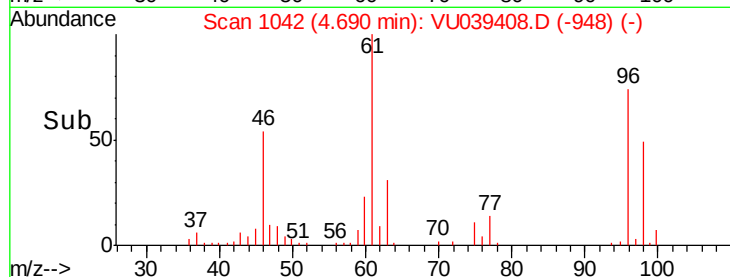
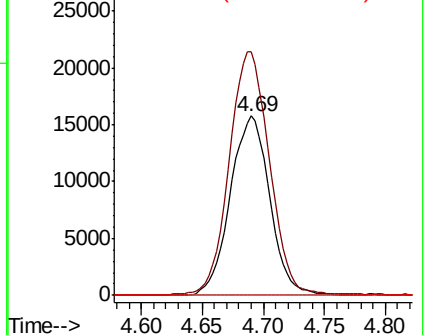
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039408.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039408.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039408.D (-948) (-)



#23

Bromochloromethane

Concen: 5.063 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

Tgt Ion:128 Resp: 16438

Ion Ratio Lower Upper

128 100

49 183.1 128.5 238.7

130 120.1 91.5 169.9

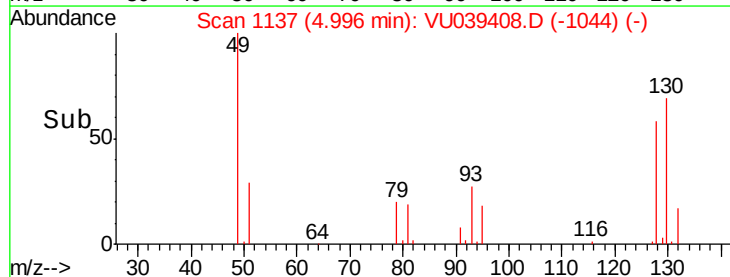
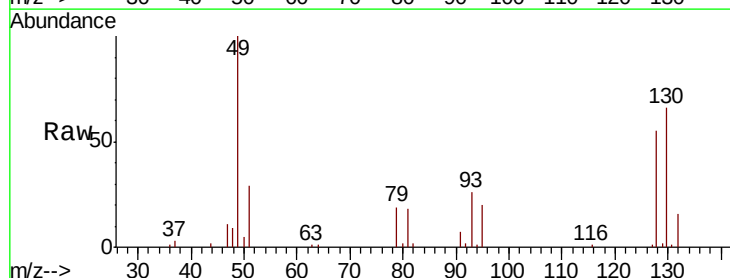
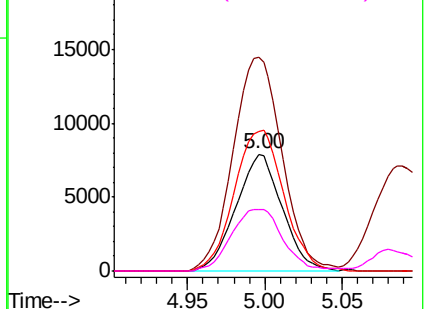
51 52.7 47.0 70.6

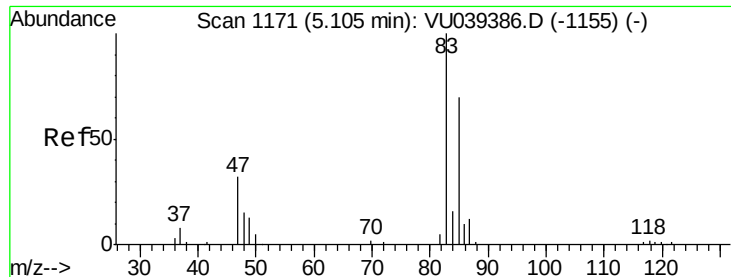
Abundance Ion 127.90 (127.60 to 128.60): VU039408.D (-1044) (-)

Ion 49.10 (48.80 to 49.80): VU039408.D (-1044) (-)

Ion 129.95 (129.65 to 130.65): VU039408.D (-1044) (-)

Ion 51.05 (50.75 to 51.75): VU039408.D (-1044) (-)

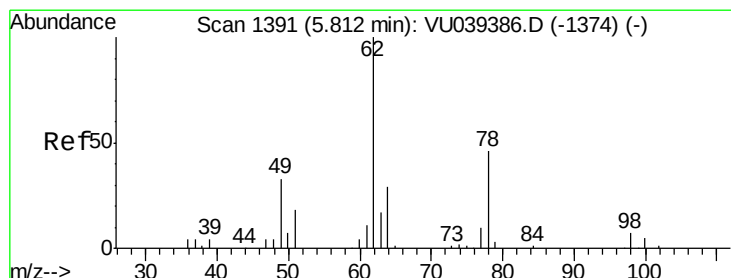
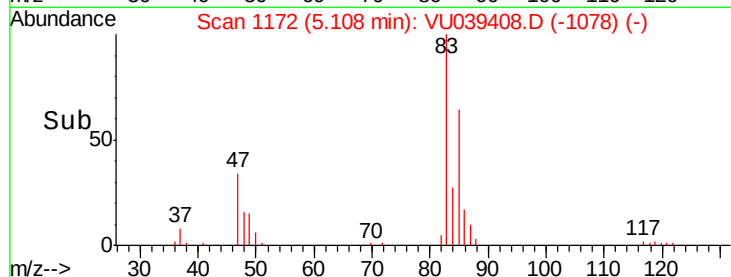
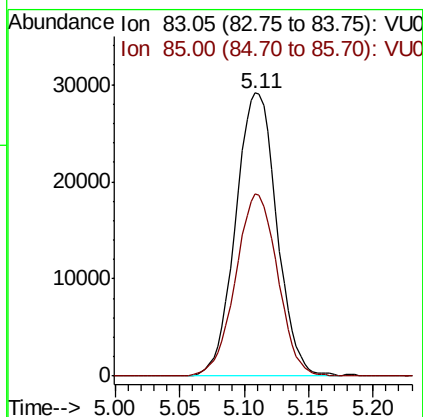
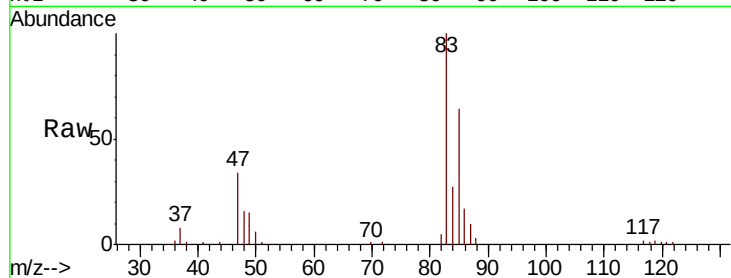




#25
Chloroform
Concen: 5.140 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039408.D
Acq: 09 Jul 2020 20:15

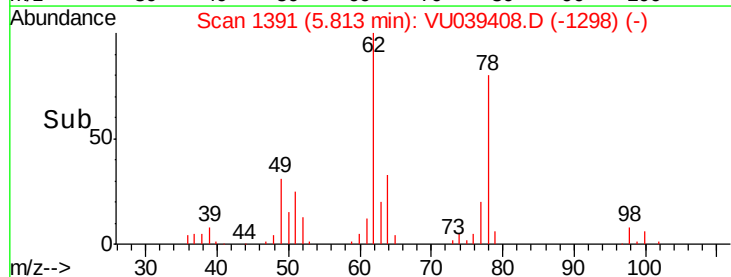
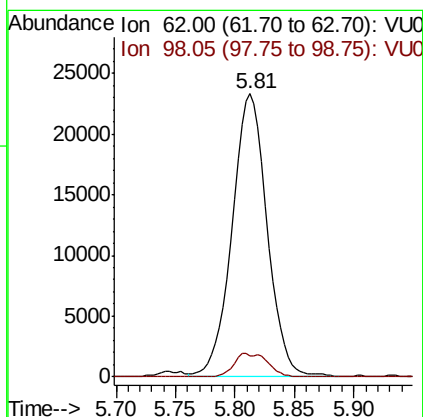
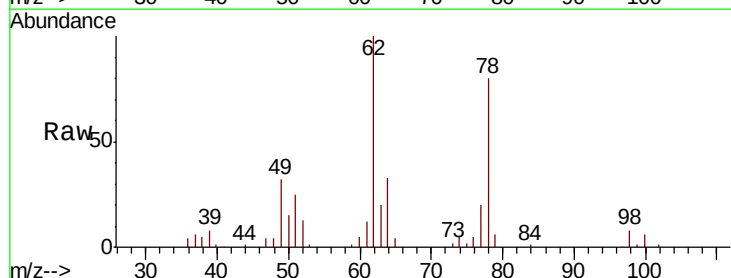
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

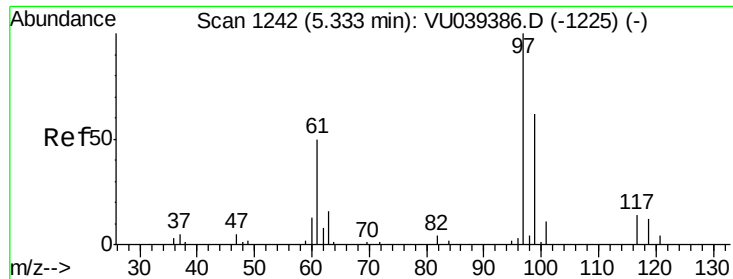
Tot Ion: 83 Resp: 64733
Ion Ratio Lower Upper
83 100
85 64.3 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.230 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039408.D
Acq: 09 Jul 2020 20:15

Tgt Ion: 62 Resp: 47644
Ion Ratio Lower Upper
62 100
98 7.6 6.3 9.5

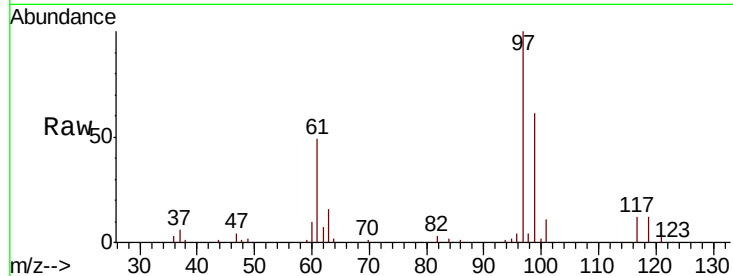




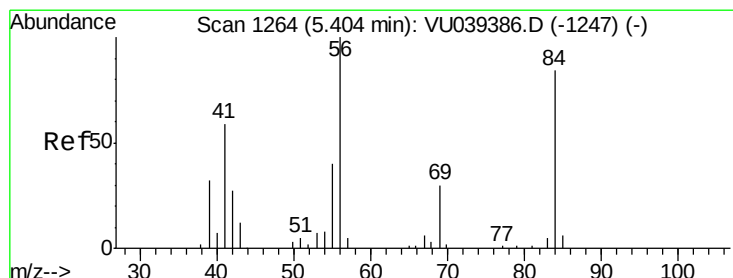
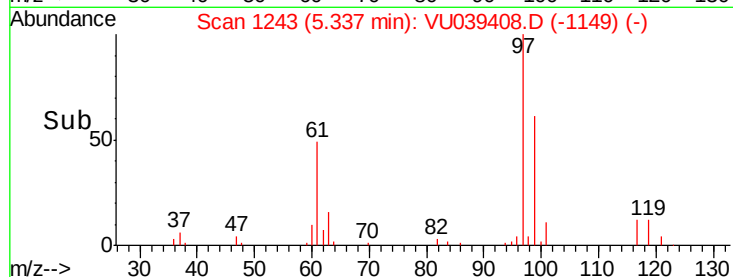
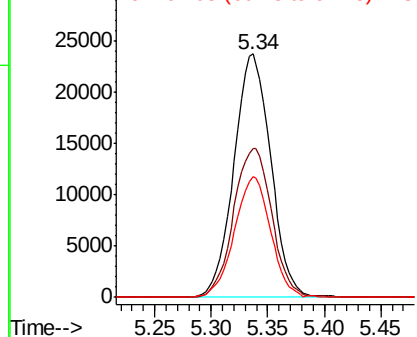
#29
 1,1,1-Trichloroethane
 Concen: 5.131 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion: 97 Resp: 53834
 Ion Ratio Lower Upper
 97 100
 99 63.6 52.6 79.0
 61 48.3 37.9 56.9

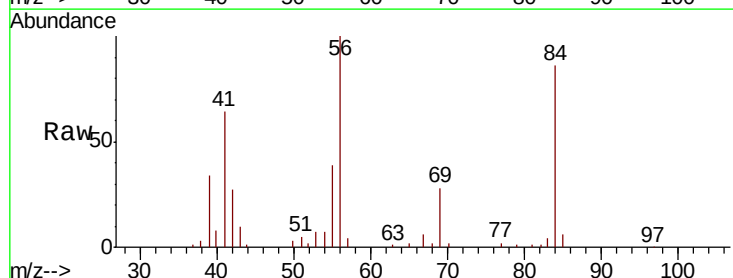


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

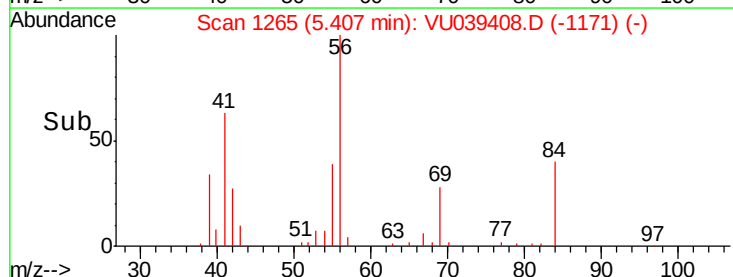
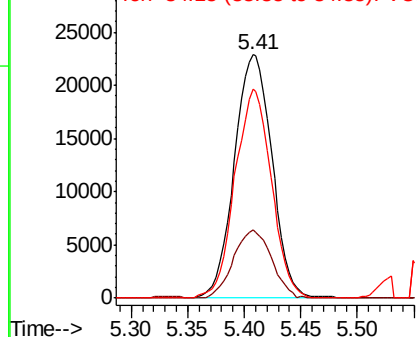


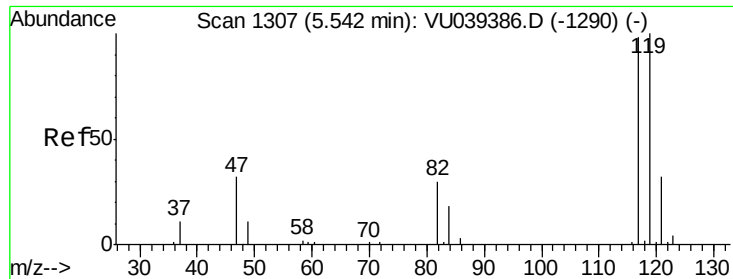
#30
 Cyclohexane
 Concen: 4.791 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

Tgt Ion: 56 Resp: 52920
 Ion Ratio Lower Upper
 56 100
 69 28.5 24.1 36.1
 84 83.3 67.0 100.6



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

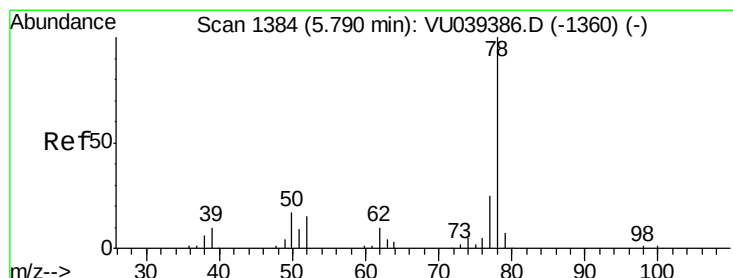
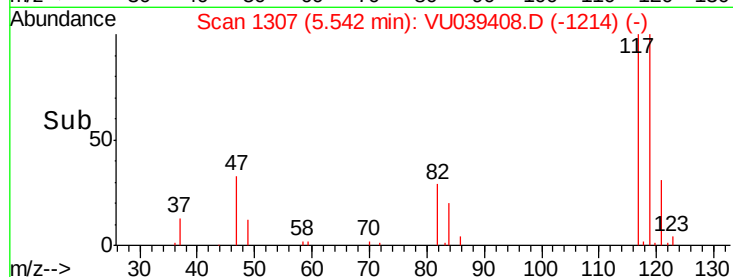
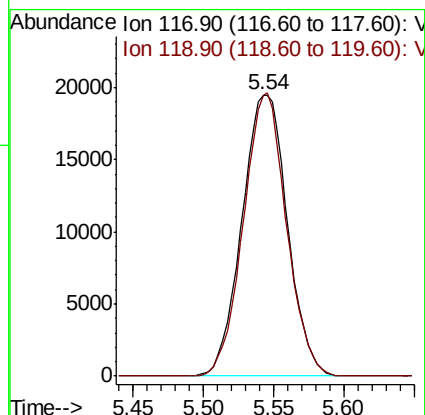
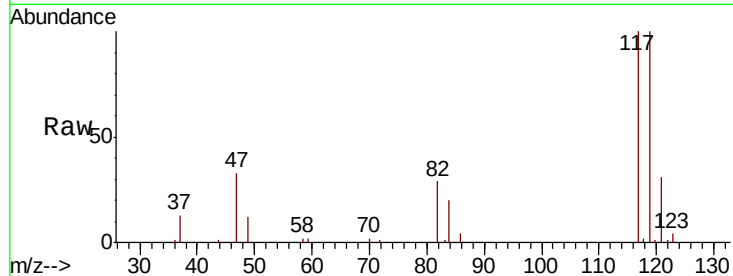




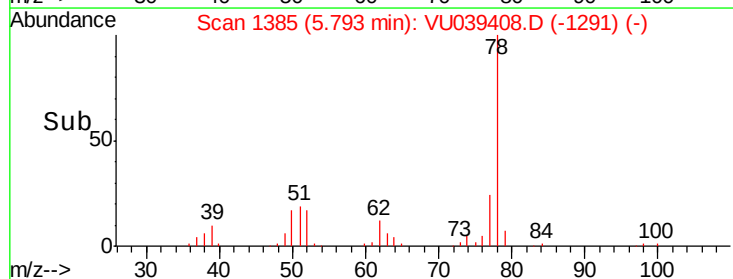
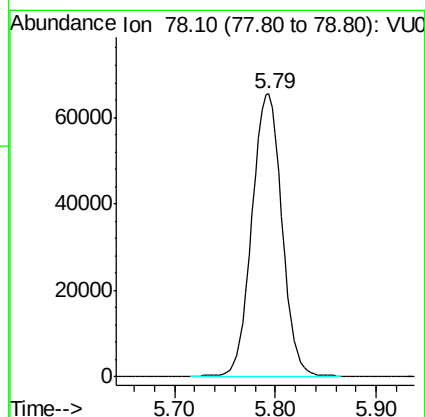
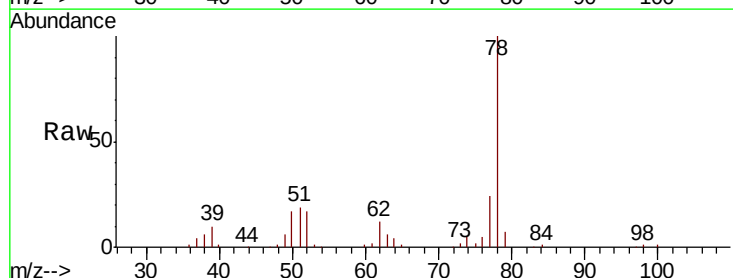
#31
Carbon tetrachloride
Concen: 4.893 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU039408.D
Acq: 09 Jul 2020 20:15

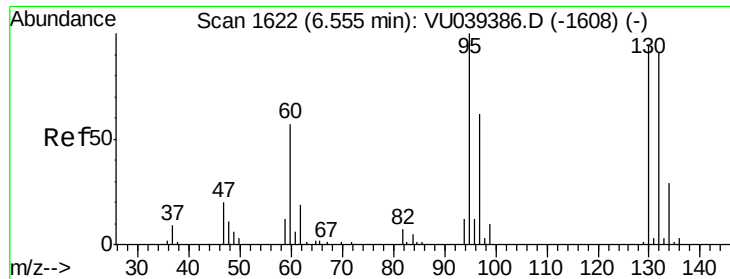
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion:117 Resp: 43798
Ion Ratio Lower Upper
117 100
119 95.4 77.4 116.0



#33
Benzene
Concen: 5.066 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039408.D
Acq: 09 Jul 2020 20:15
Tgt Ion: 78 Resp: 134923





#34

Trichloroethene

Concen: 4.868 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

Tot Ion: 95 Resp: 33521

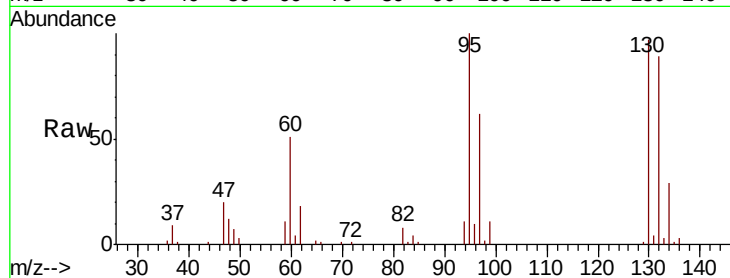
Ion Ratio Lower Upper

95 100

97 62.2 46.3 85.9

132 89.2 64.0 118.8

130 97.1 64.3 119.5

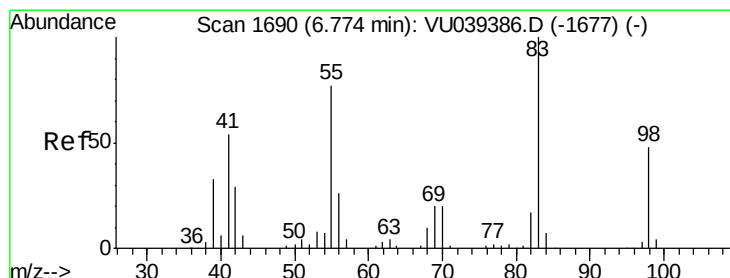
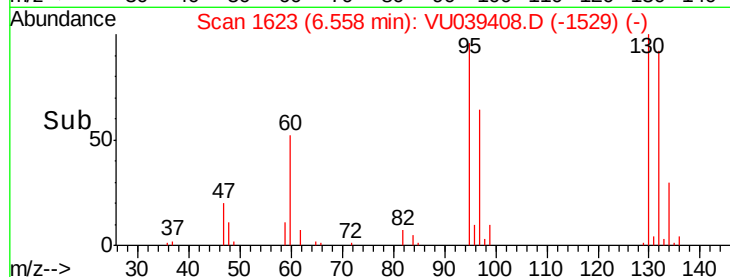
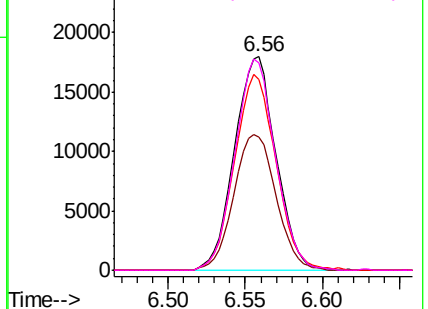


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.699 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

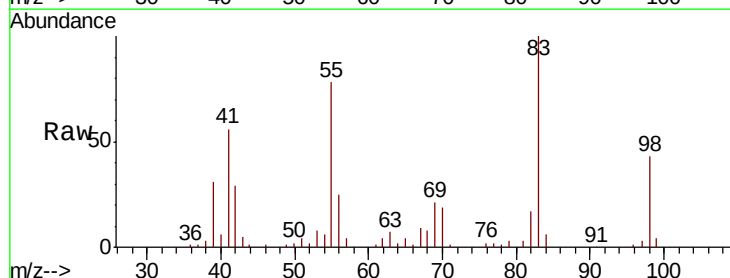
Tgt Ion: 83 Resp: 51835

Ion Ratio Lower Upper

83 100

55 78.9 62.1 93.1

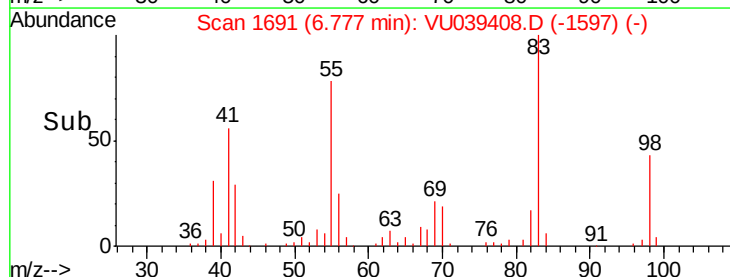
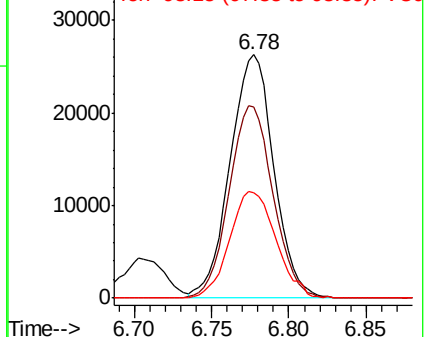
98 46.1 35.9 53.9

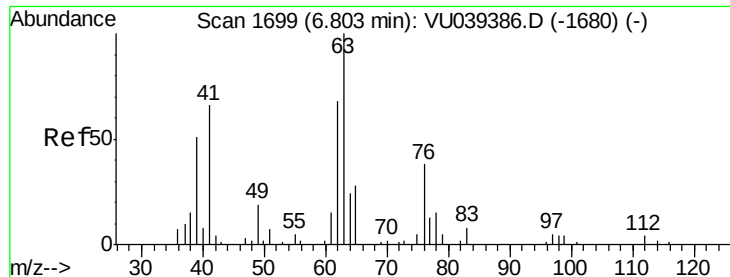


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

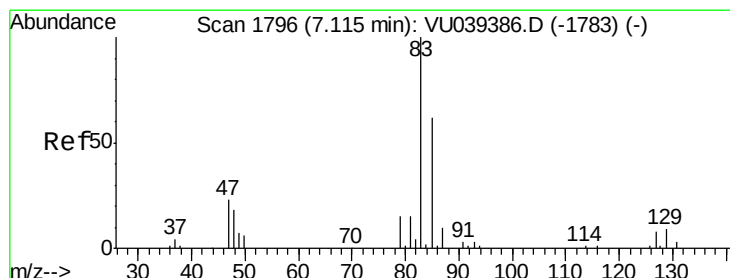
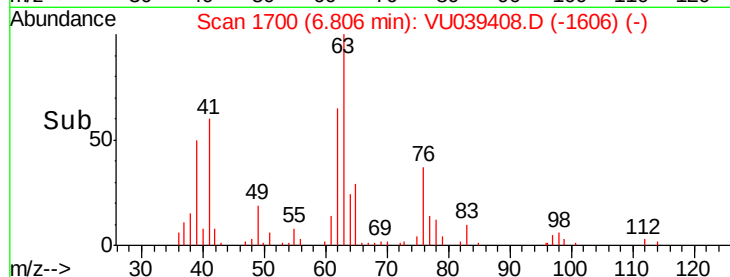
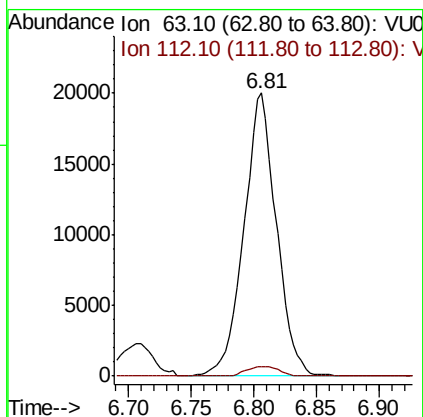
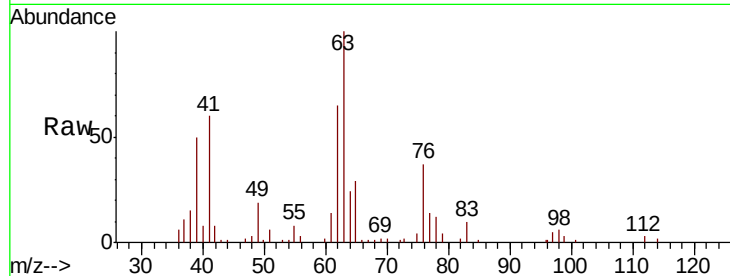




#37
 1,2-Dichloropropane
 Concen: 4.988 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

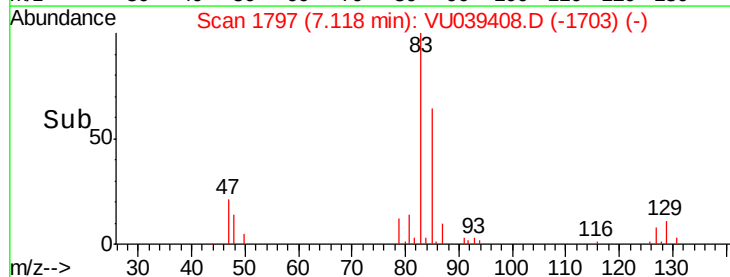
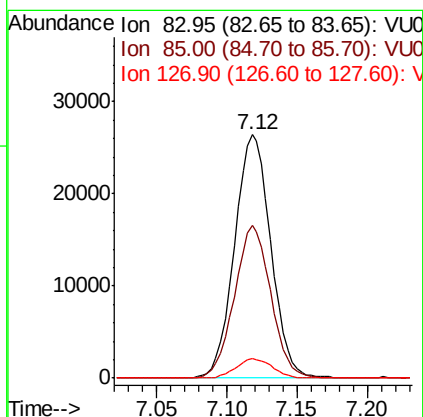
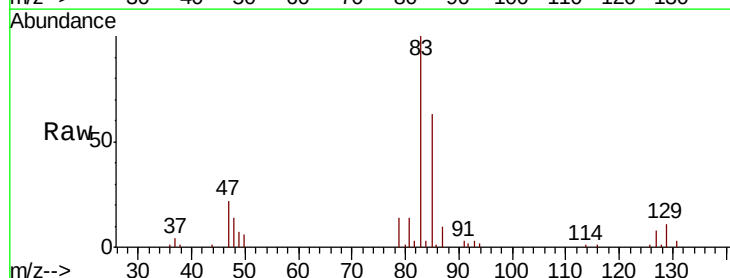
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

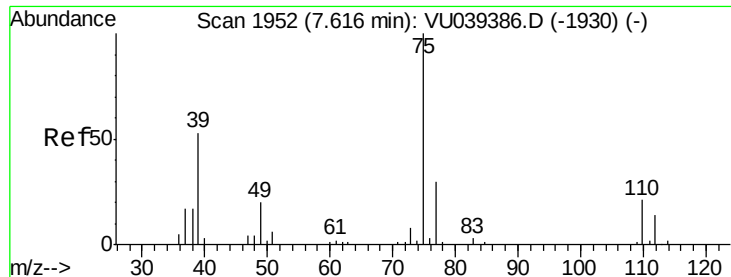
Tot Ion: 63 Resp: 36218
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.5 3.7



#38
 Bromodichloromethane
 Concen: 5.129 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

Tgt Ion: 83 Resp: 47558
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.0 81.6
 127 8.0 6.2 9.4

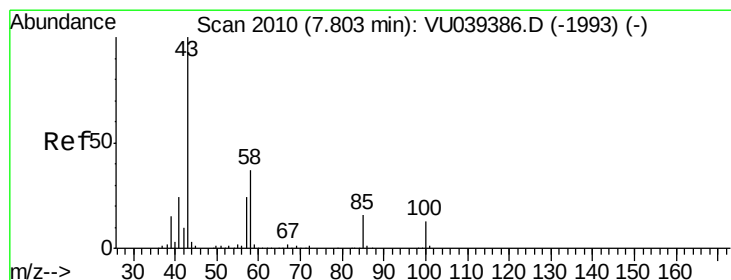
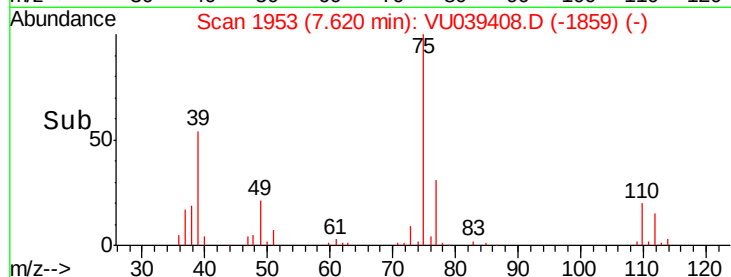
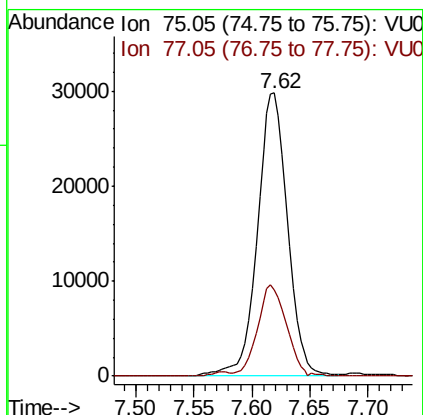
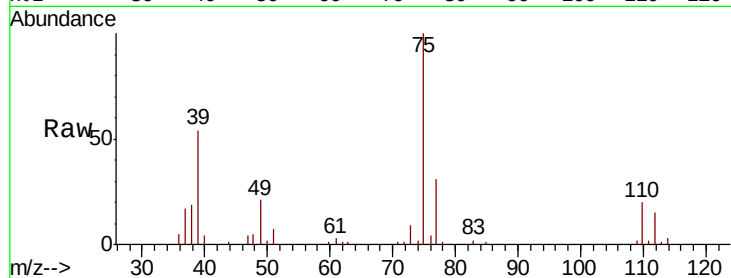




#39
 cis-1,3-Dichloropropene
 Concen: 4.936 ug/L
 RT: 7.62 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

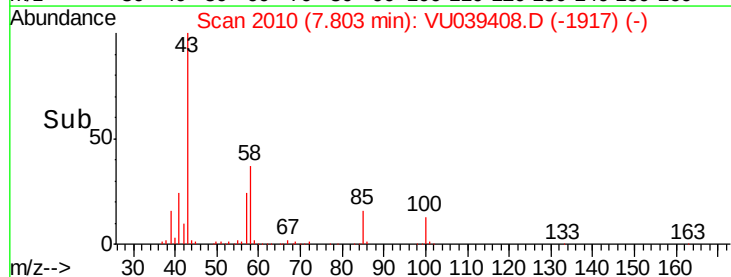
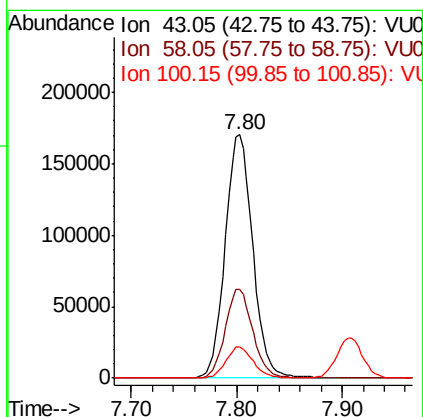
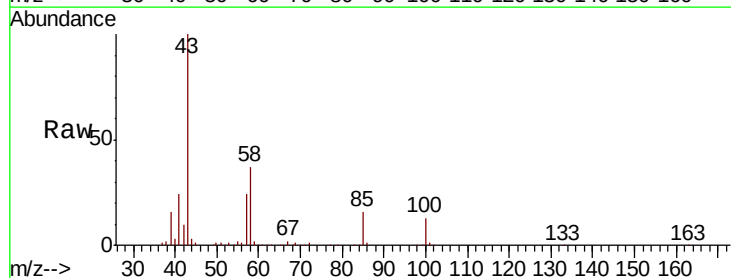
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

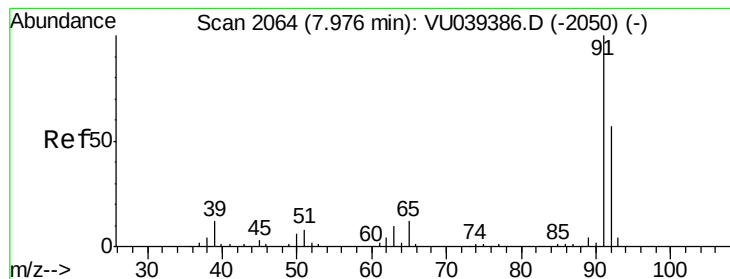
Tot Ion: 75 Resp: 54174
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 50.745 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

Tgt Ion: 43 Resp: 307358
 Ion Ratio Lower Upper
 43 100
 58 36.6 30.5 45.7
 100 12.7 10.3 15.5





#42

Toluene

Concen: 4.790 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

Instrument :

MSVOA_U

ClientSampleId :

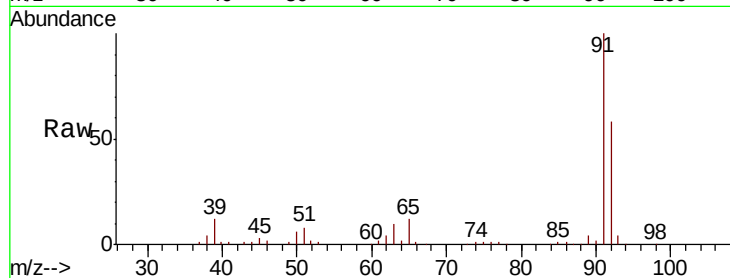
VSTD00512

Tot Ion: 91 Resp: 136621

Ion Ratio Lower Upper

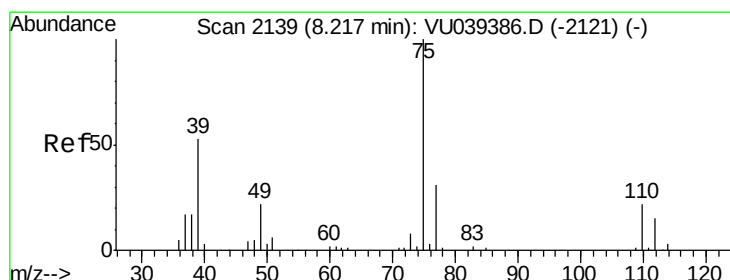
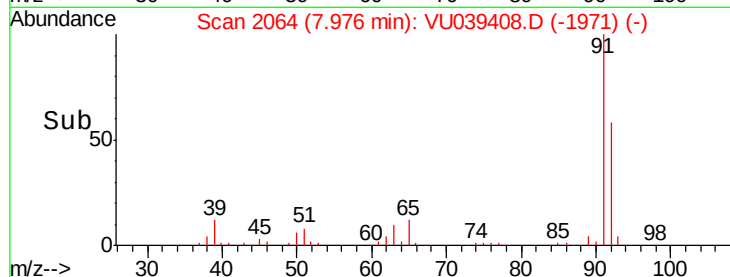
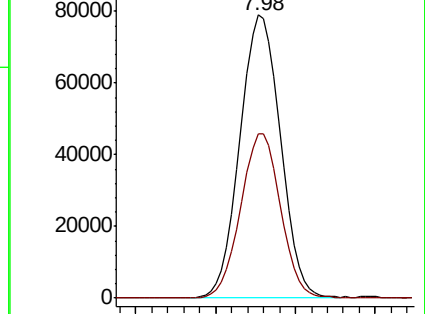
91 100

92 58.1 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039386.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039386.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.942 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039408.D

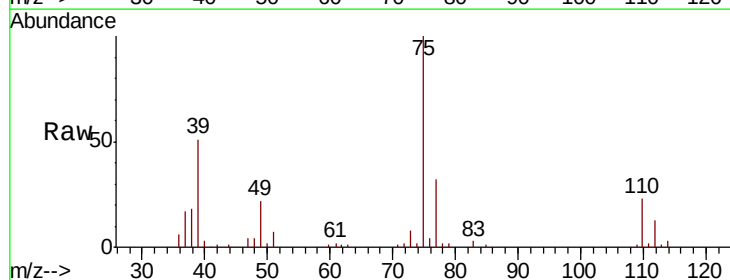
Acq: 09 Jul 2020 20:15

Tgt Ion: 75 Resp: 48125

Ion Ratio Lower Upper

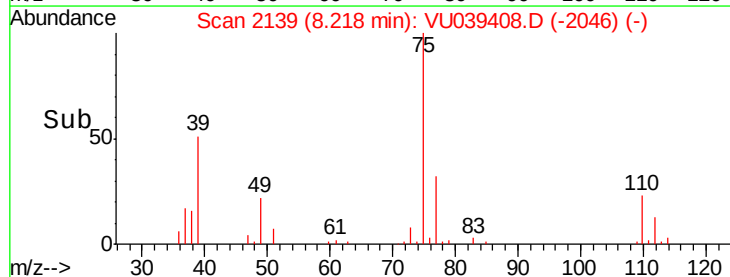
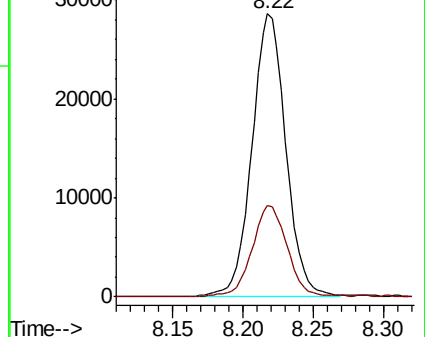
75 100

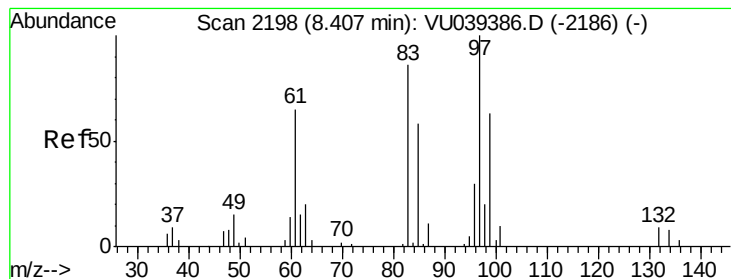
77 32.3 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039386.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039386.D (-2121) (-)





#45

1,1,2-Trichloroethane

Concen: 5.305 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

Tot Ion: 97 Resp: 27667

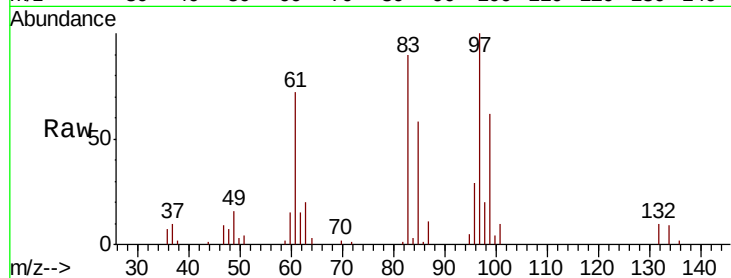
Ion Ratio Lower Upper

97 100

99 61.5 40.7 75.7

83 90.4 60.6 112.6

85 58.3 38.3 71.1



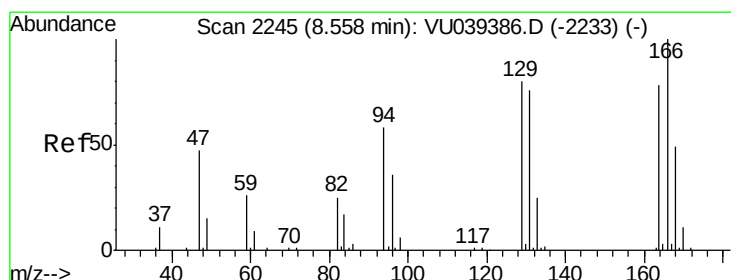
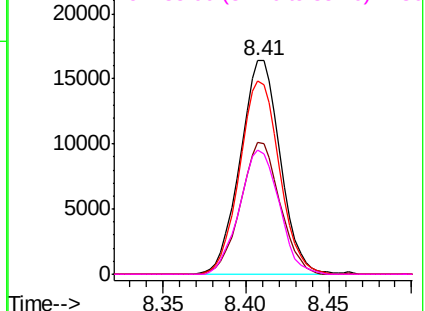
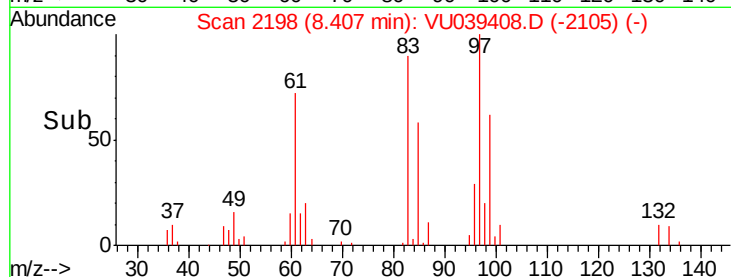
Abundance

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: 4.819 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

Tgt Ion: 164 Resp: 23081

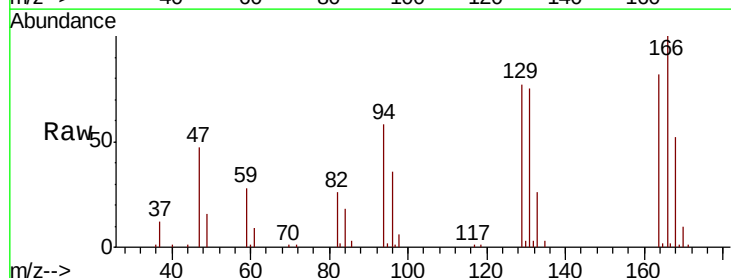
Ion Ratio Lower Upper

164 100

129 93.6 68.6 127.4

131 91.3 66.4 123.4

166 122.0 85.9 159.5



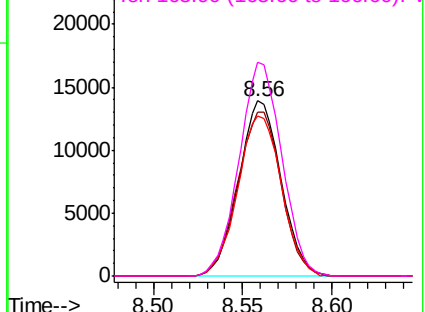
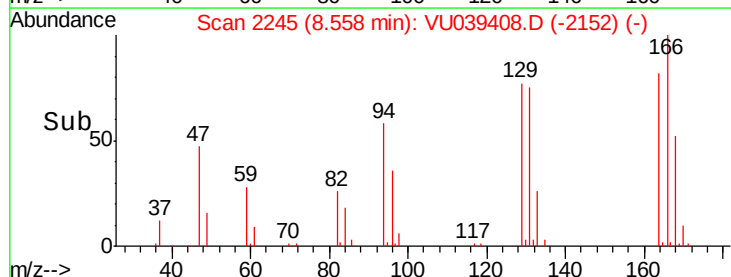
Abundance

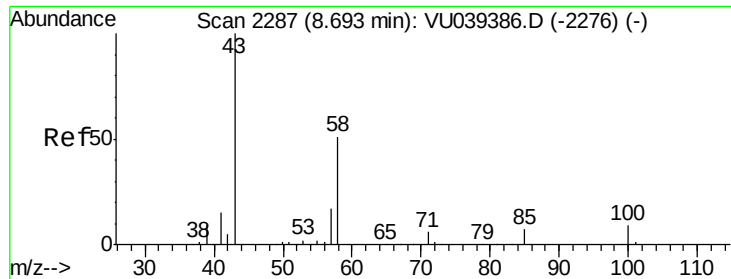
Ion 163.90 (163.60 to 164.60): V

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

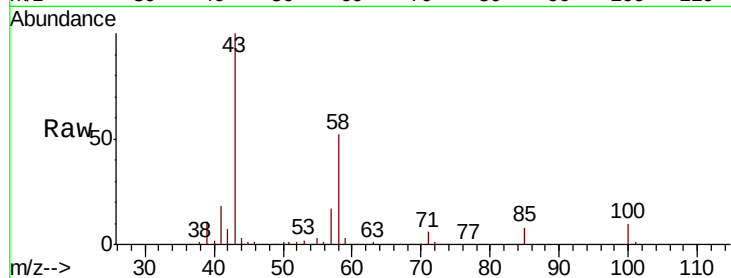




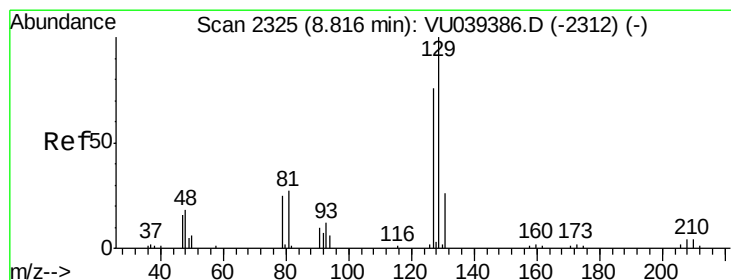
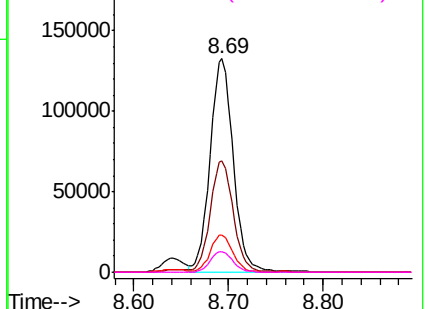
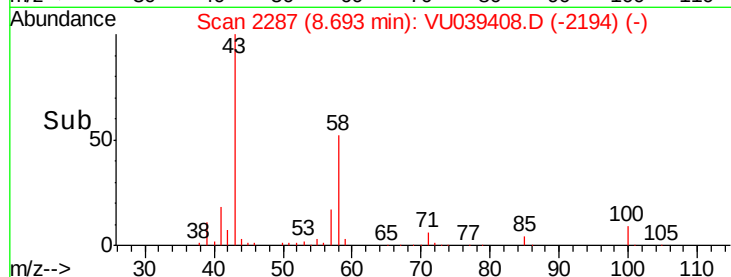
#48
2-Hexanone
Concen: 50.725 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039408.D
Acq: 09 Jul 2020 20:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion: 43 Resp: 226538
Ion Ratio Lower Upper
43 100
58 51.1 42.0 63.0
57 16.7 14.0 21.0
100 9.5 8.2 12.2

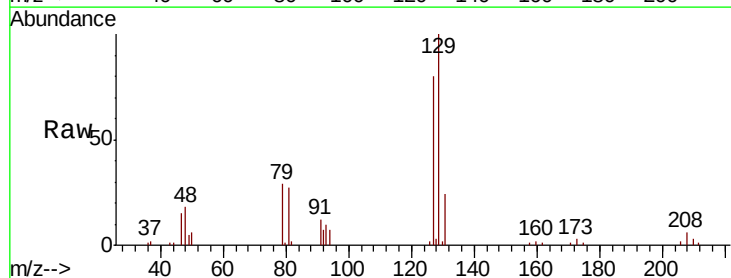


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

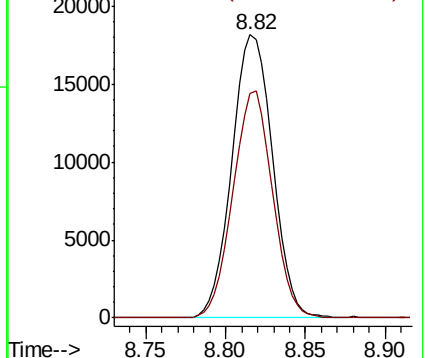
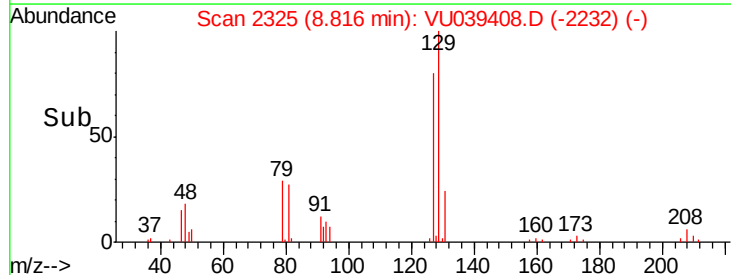


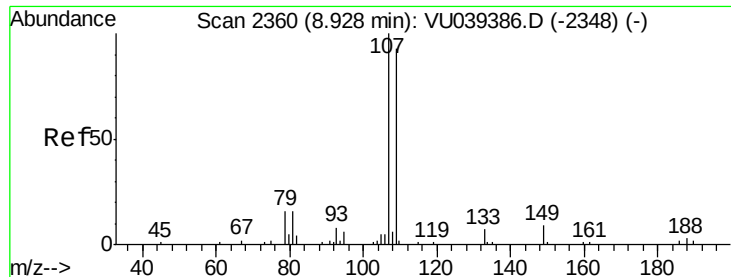
#49
Dibromochloromethane
Concen: 5.000 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039408.D
Acq: 09 Jul 2020 20:15

Tgt Ion: 129 Resp: 31587
Ion Ratio Lower Upper
129 100
127 79.5 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

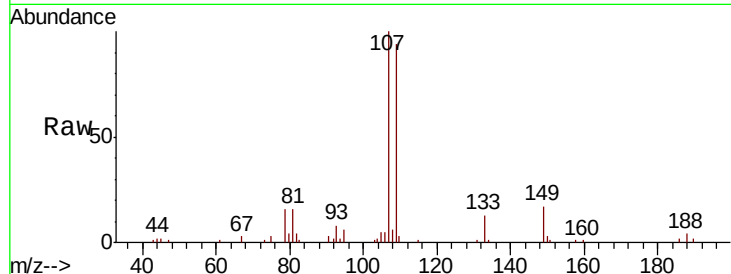




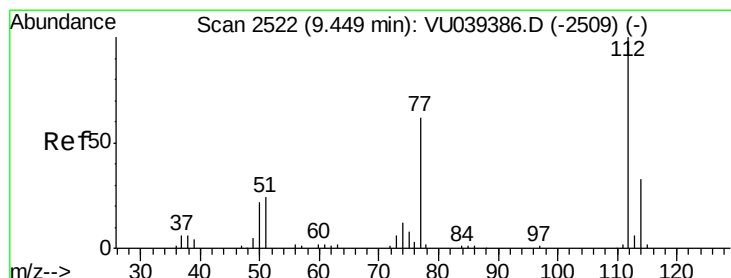
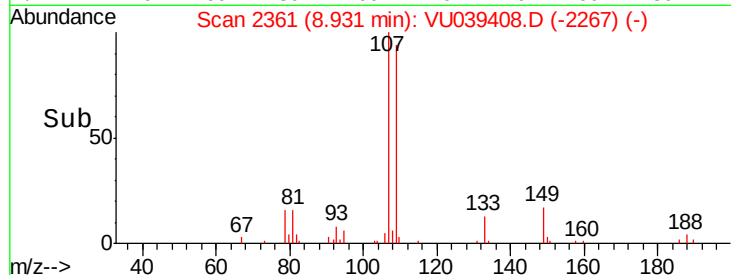
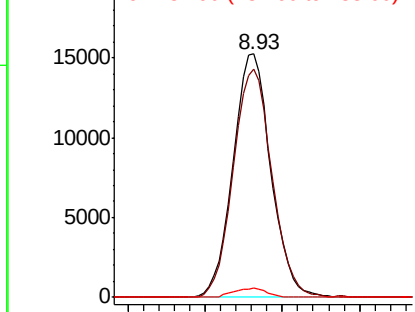
#50
 1,2-Dibromoethane
 Concen: 4.898 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion:107 Resp: 25953
 Ion Ratio Lower Upper
 107 100
 109 93.6 64.0 118.8
 188 3.6 2.6 3.8

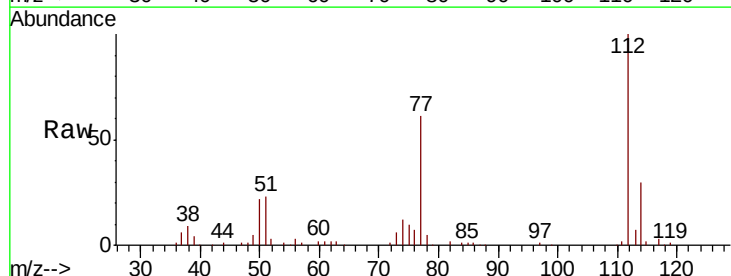


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

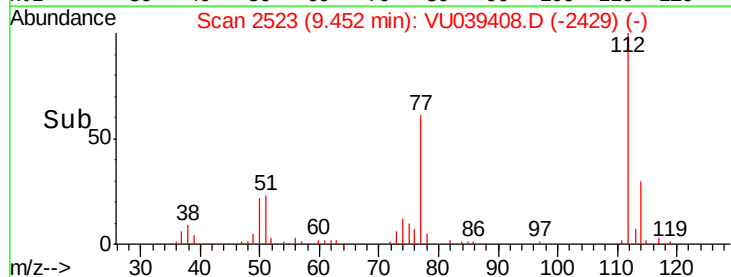
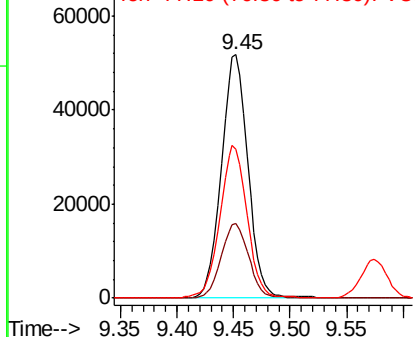


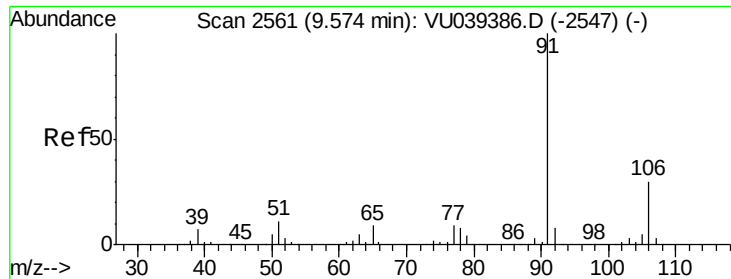
#51
 Chlorobenzene
 Concen: 4.857 ug/L
 RT: 9.45 min Scan# 2523
 Delta R.T. 0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

Tgt Ion:112 Resp: 84644
 Ion Ratio Lower Upper
 112 100
 114 30.4 22.1 41.1
 77 61.3 49.9 74.9



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





#52

Ethylbenzene

Concen: 4.780 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

Instrument :

MSVOA_U

ClientSampleId :

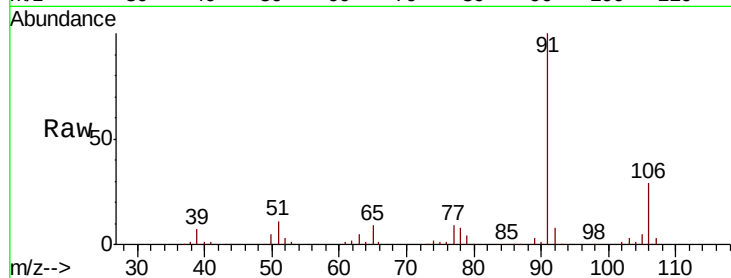
VSTD00512

Tot Ion: 91 Resp: 150661

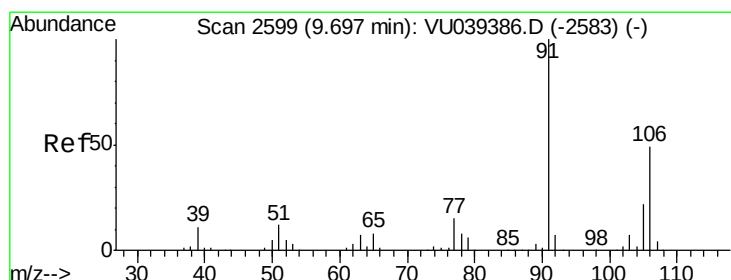
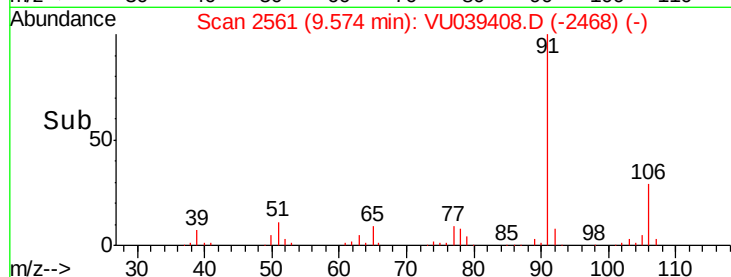
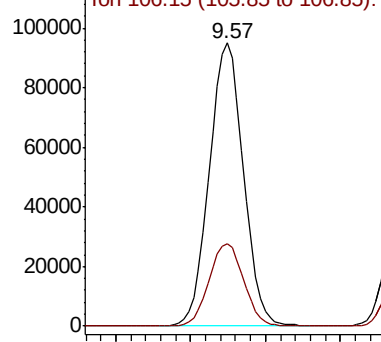
Ion Ratio Lower Upper

91 100

106 29.0 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039386.D (-2547) (-)



#53

m,p-Xylene

Concen: 4.762 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039408.D

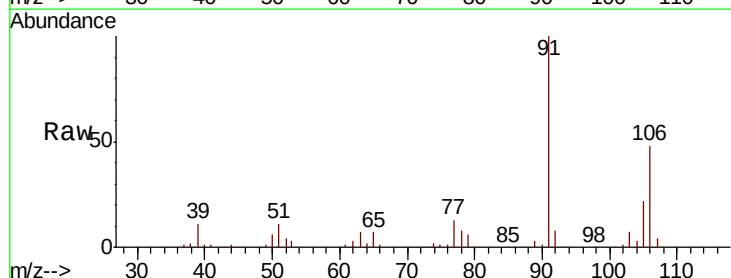
Acq: 09 Jul 2020 20:15

Tgt Ion: 106 Resp: 56551

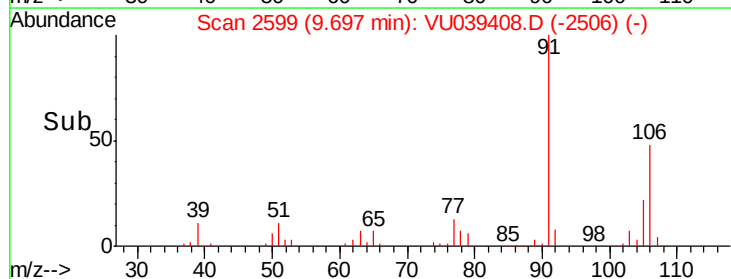
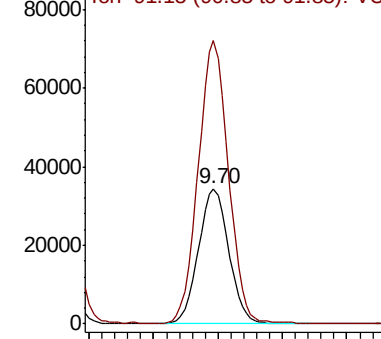
Ion Ratio Lower Upper

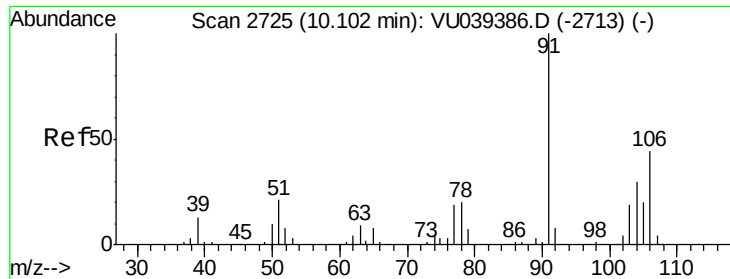
106 100

91 209.5 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039386.D (-2583) (-)

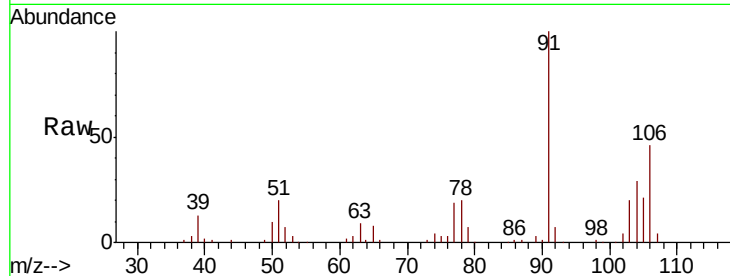




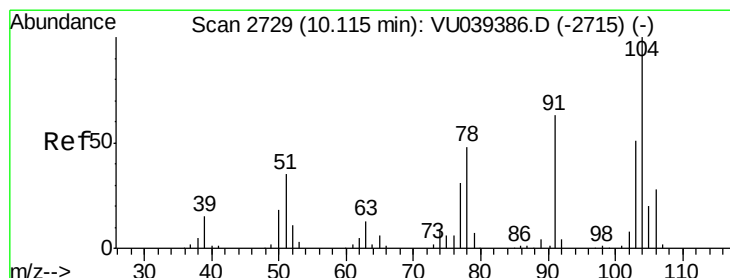
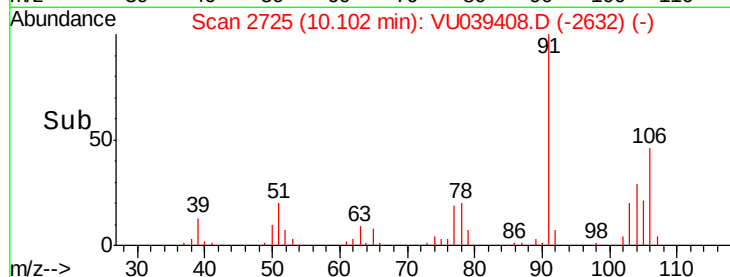
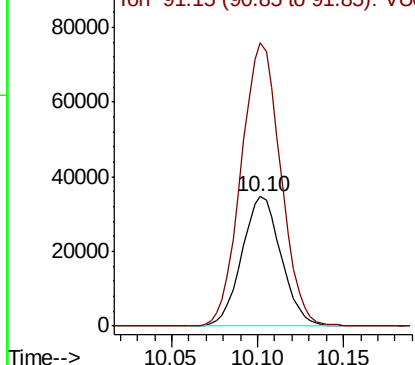
#54
o-Xylene
Concen: 4.762 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039408.D
Acq: 09 Jul 2020 20:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion:106 Resp: 55062
Ion Ratio Lower Upper
106 100
91 218.3 154.6 287.2

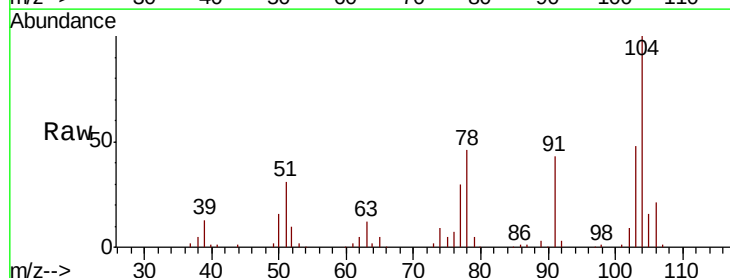


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

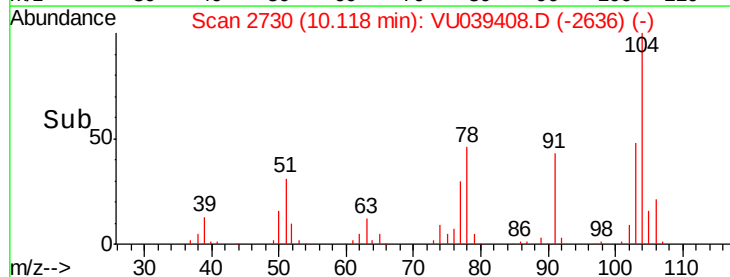
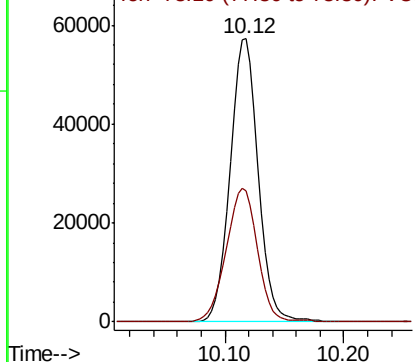


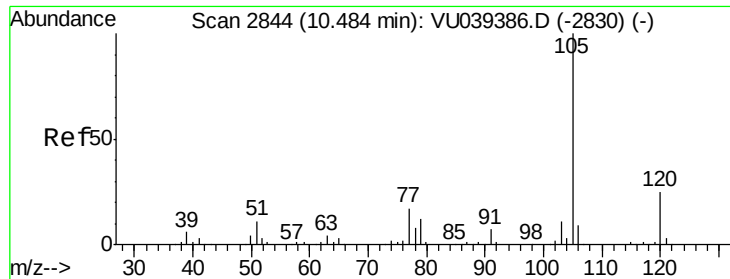
#55
Styrene
Concen: 4.646 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039408.D
Acq: 09 Jul 2020 20:15

Tgt Ion:104 Resp: 93470
Ion Ratio Lower Upper
104 100
78 46.1 33.1 61.5



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





#56

Isopropylbenzene

Concen: 4.577 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

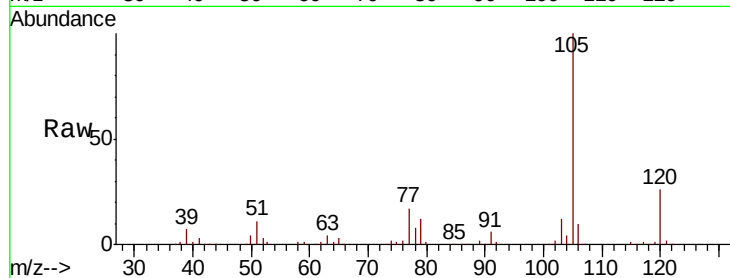
Tot Ion:105 Resp: 143114

Ion Ratio Lower Upper

105 100

120 25.0 20.7 31.1

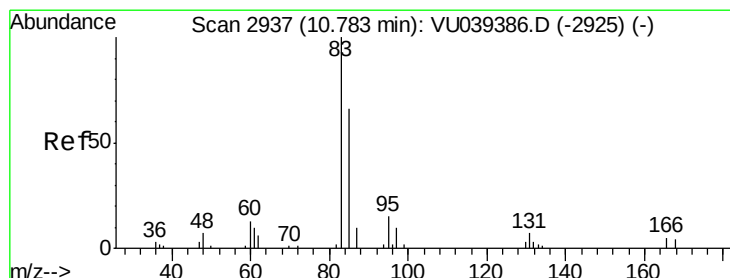
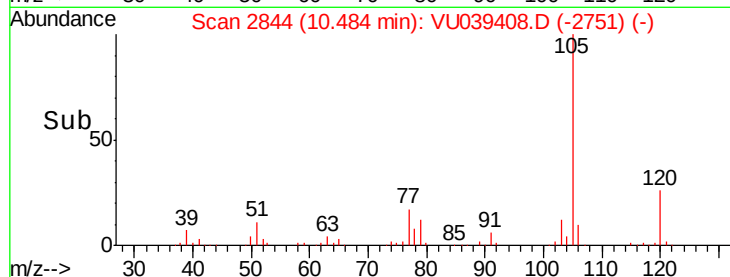
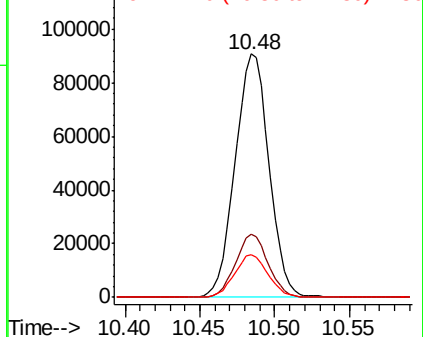
77 17.3 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.135 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

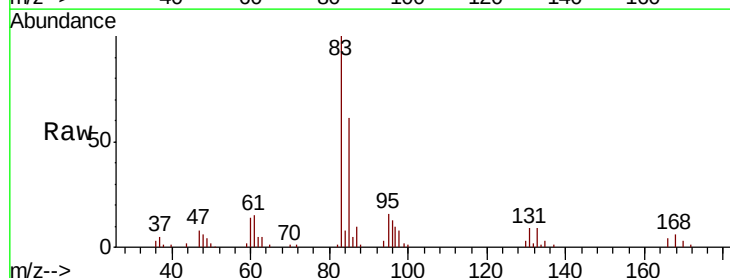
Tgt Ion: 83 Resp: 37278

Ion Ratio Lower Upper

83 100

85 61.0 46.1 85.7

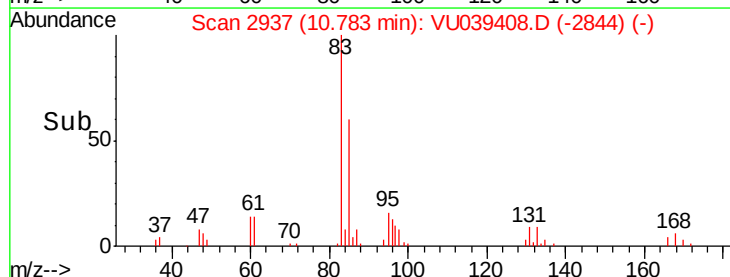
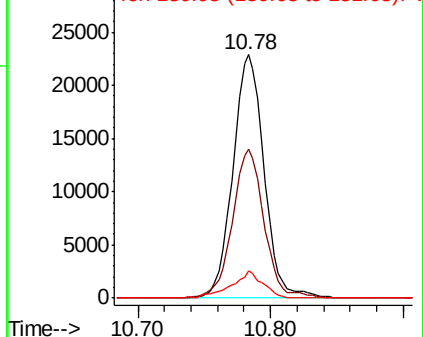
131 11.2 7.4 11.0#

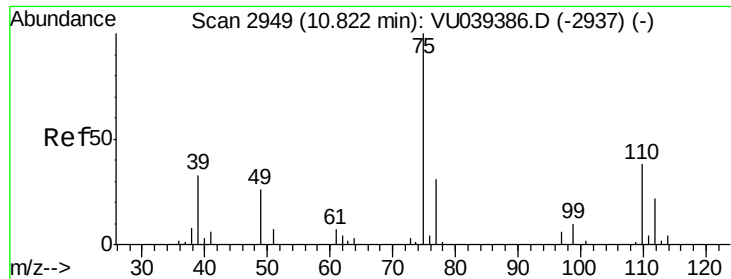


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.011 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

Instrument :

MSVOA_U

ClientSampleId :

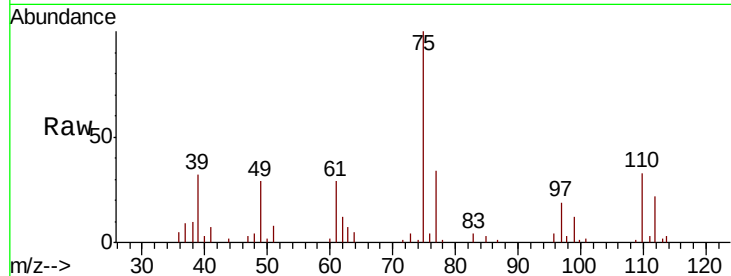
VSTD00512

Tot Ion: 75 Resp: 26813

Ion Ratio Lower Upper

75 100

77 33.3 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039386.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039386.D (-2937) (-)

10.82

15000

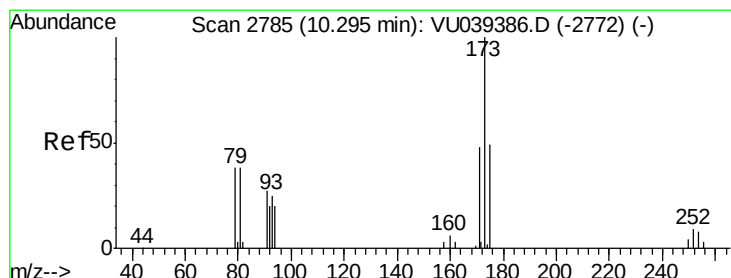
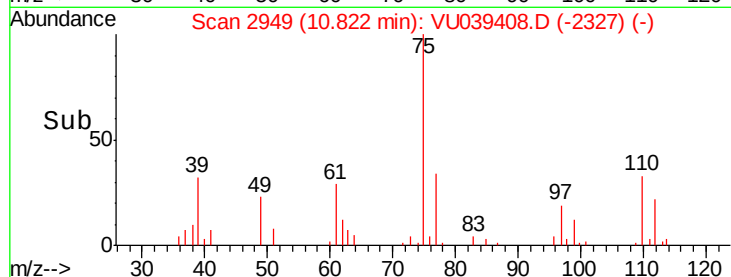
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 4.738 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

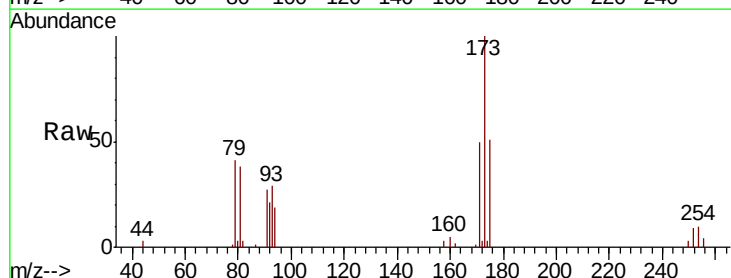
Tgt Ion: 173 Resp: 17394

Ion Ratio Lower Upper

173 100

175 48.4 37.5 56.3

254 9.3 6.7 10.1



Abundance Ion 172.90 (172.60 to 173.60): VU039386.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039386.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039386.D (-2772) (-)

10.29

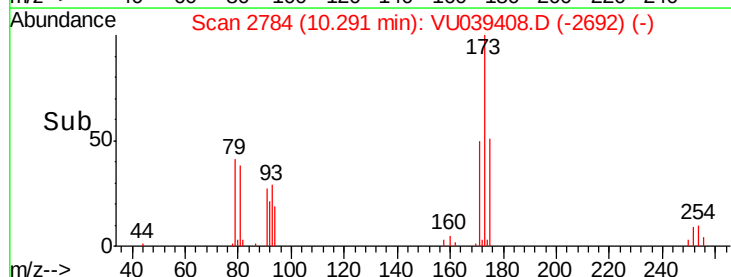
10000

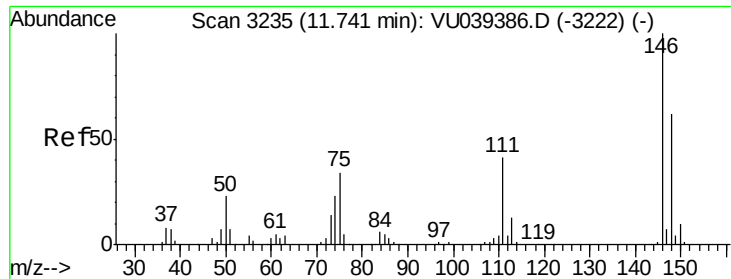
5000

0

Time-->

10.25 10.30 10.35

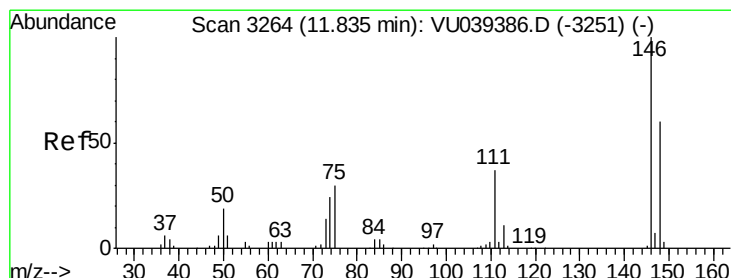
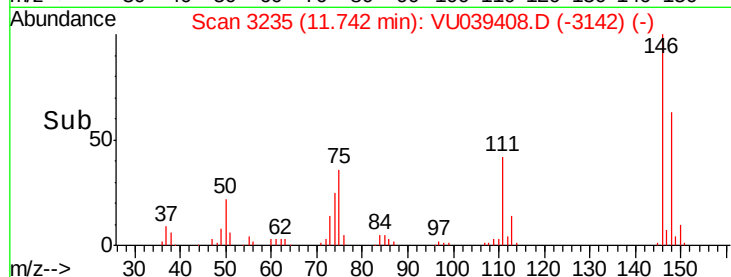
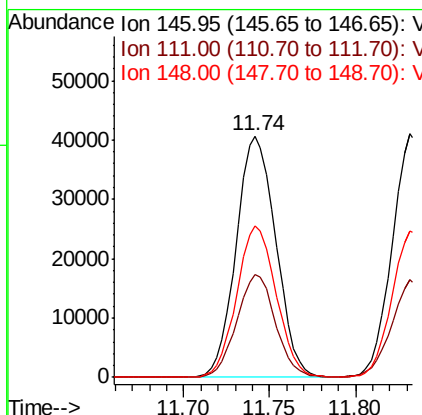
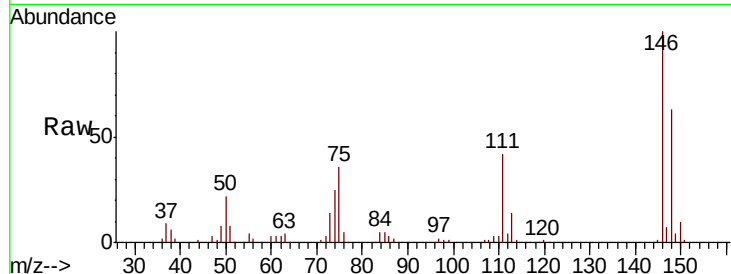




#62
 1,3-Dichlorobenzene
 Concen: 4.765 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

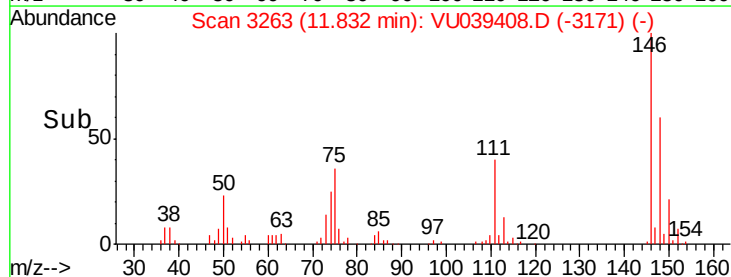
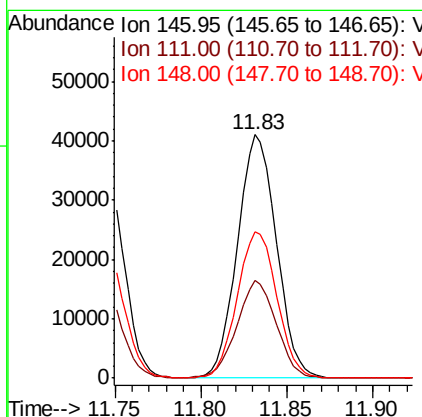
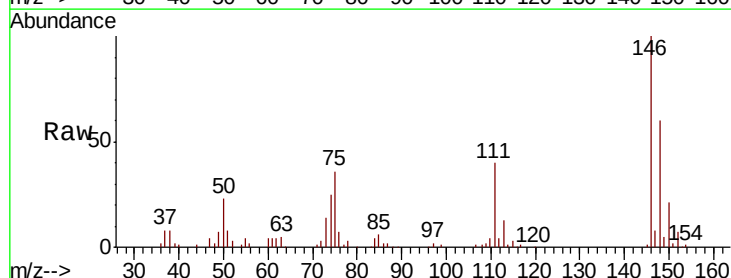
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

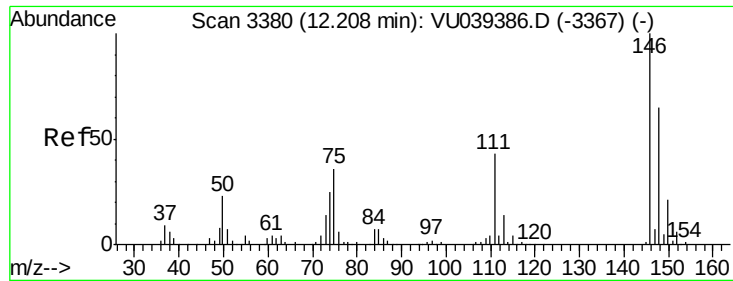
Tot Ion:146 Resp: 65039
 Ion Ratio Lower Upper
 146 100
 111 42.4 29.0 53.8
 148 62.9 43.5 80.9



#63
 1,4-Dichlorobenzene
 Concen: 4.713 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

Tgt Ion:146 Resp: 64527
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.6 53.0
 148 60.0 45.0 83.6

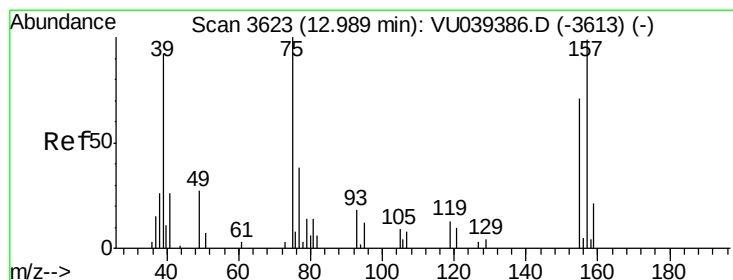
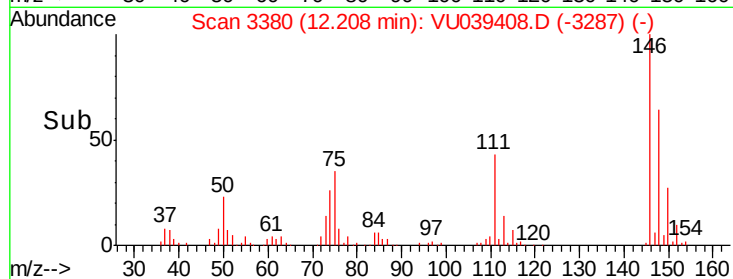
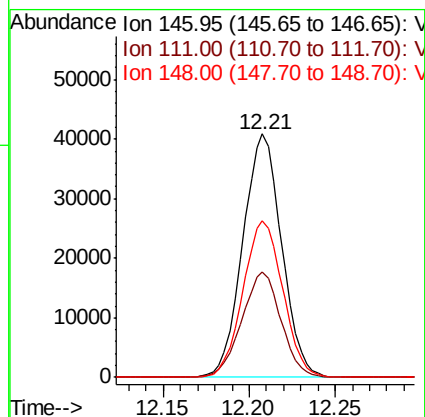
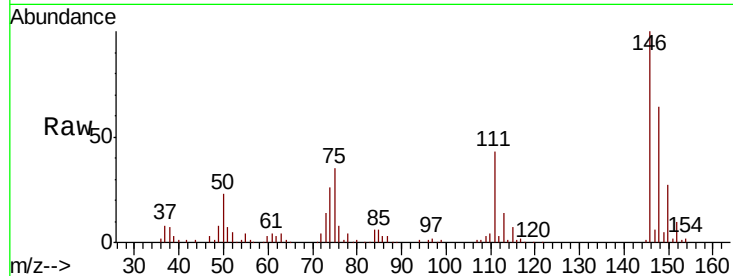




#65
 1,2-Dichlorobenzene
 Concen: 4.682 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

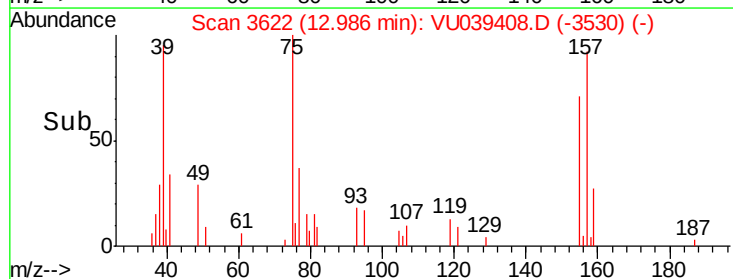
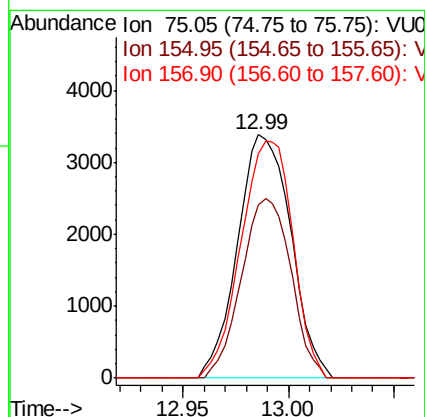
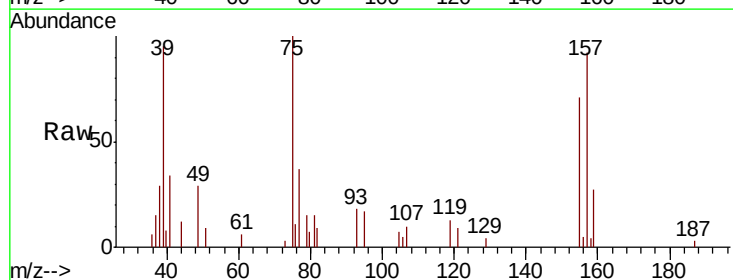
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

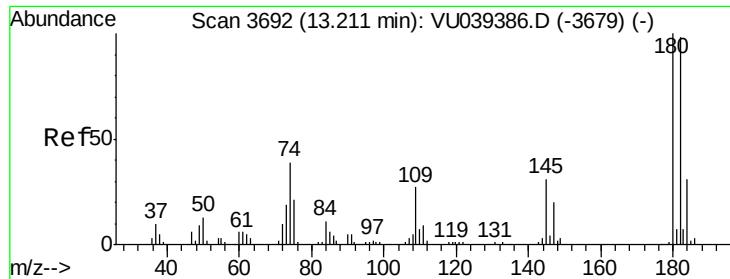
Tot Ion:146 Resp: 64061
 Ion Ratio Lower Upper
 146 100
 111 43.2 35.0 52.4
 148 64.3 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.906 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

Tgt Ion: 75 Resp: 5929
 Ion Ratio Lower Upper
 75 100
 155 70.9 51.9 77.9
 157 92.0 63.2 94.8

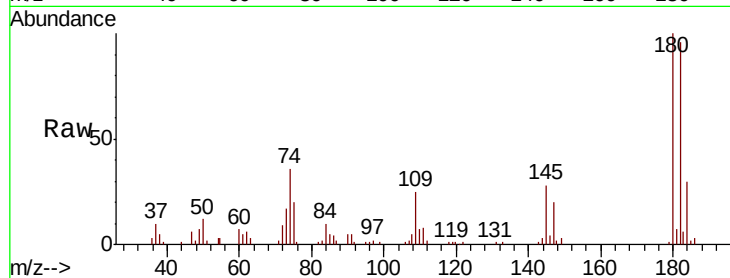




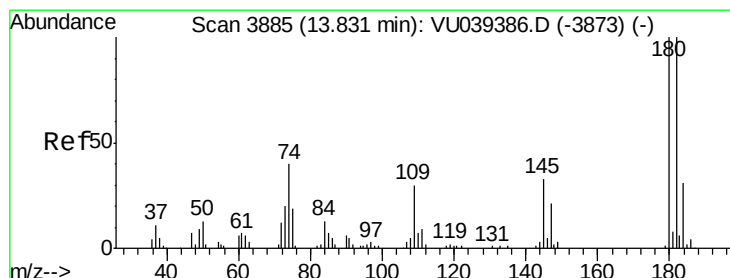
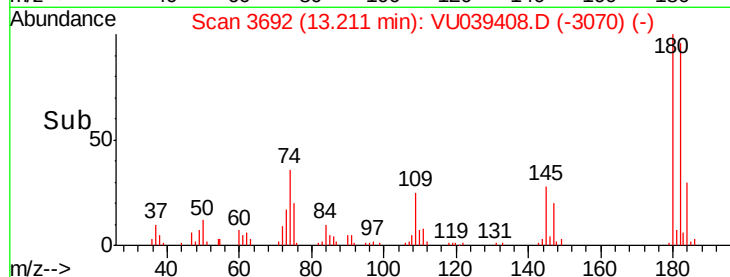
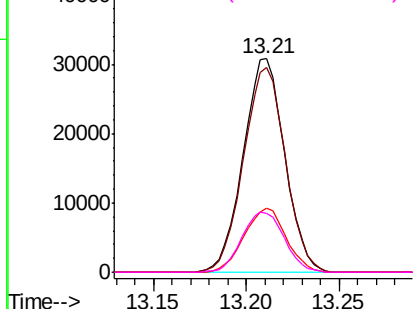
#67
 1,3,5-Trichlorobenzene
 Concen: 4.717 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion:180 Resp: 48171
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.2 114.4
 184 30.3 24.2 36.4
 145 29.0 24.2 36.2

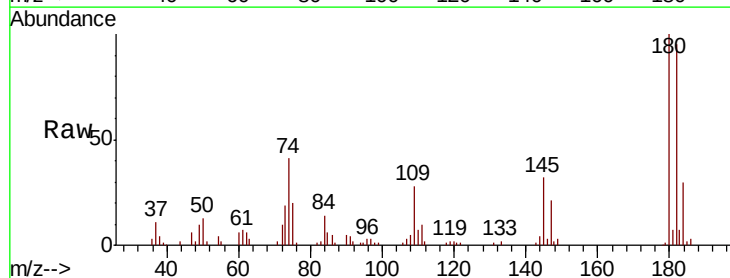


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

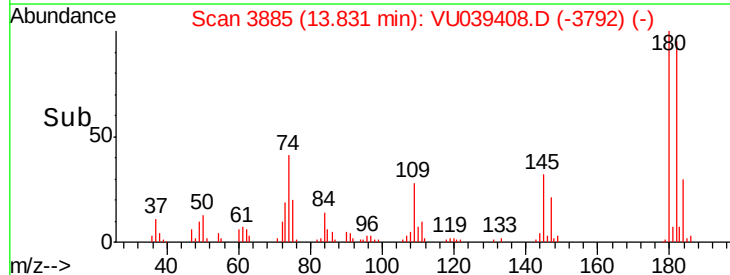
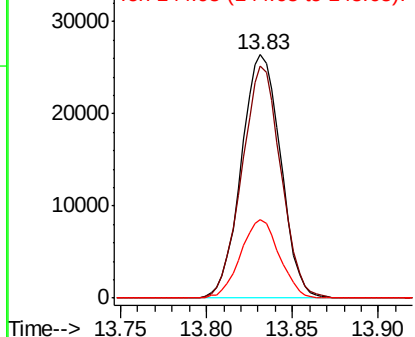


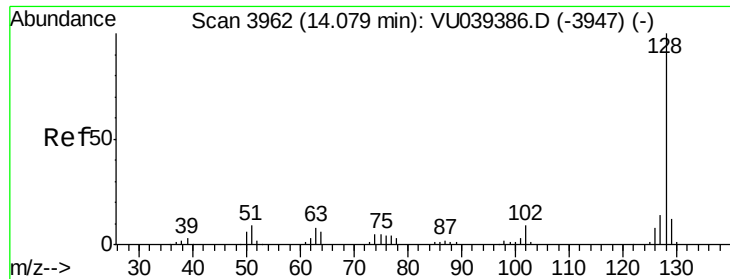
#68
 1,2,4-trichlorobenzene
 Concen: 4.802 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039408.D
 Acq: 09 Jul 2020 20:15

Tgt Ion:180 Resp: 41965
 Ion Ratio Lower Upper
 180 100
 182 94.2 79.4 119.2
 145 31.5 26.4 39.6



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: 4.590 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

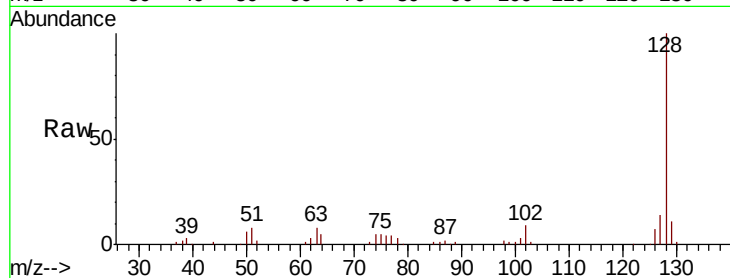
Tot Ion:128 Resp: 80722

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

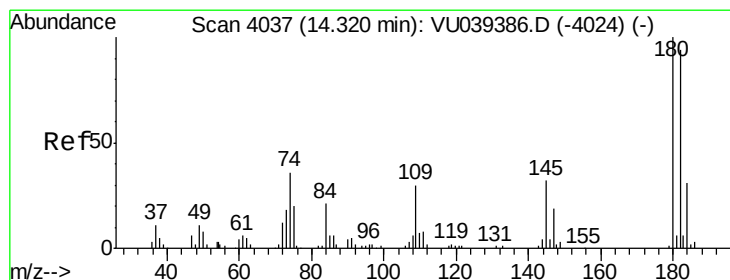
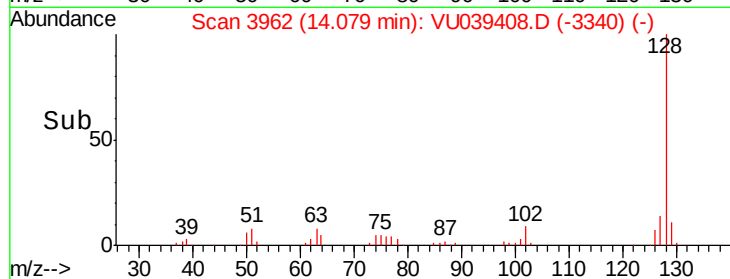
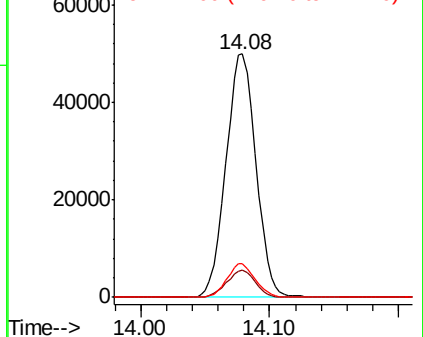
127 12.9 10.4 15.6



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: 4.864 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039408.D

Acq: 09 Jul 2020 20:15

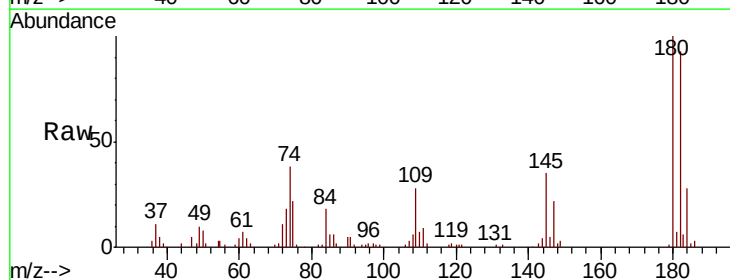
Tgt Ion:180 Resp: 39394

Ion Ratio Lower Upper

180 100

182 94.1 74.2 111.2

145 34.1 27.6 41.4



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

