

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
 Data File : VU039424.D
 Acq On : 10 Jul 2020 12:25
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 11 02:47:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 10 15:17:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	105607	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	101055	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50937	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	29177	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.92	69	26184	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.60%
11) 1,1-Dichloroethene-d2	2.58	63	58395	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	4.66	46	142592	50.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.82%
24) Chloroform-d	5.08	84	63271	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.72	65	39006	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.75	84	113466	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.70	67	39186	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.91	98	96563	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	8.19	79	17613	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.64	63	110882	49.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.04%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	40037	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	44153	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	36120	5.643	ug/L 99
3) Chloromethane	1.53	50	37918	4.890	ug/L 98
5) Vinyl chloride	1.61	62	42951	4.988	ug/L 97
6) Bromomethane	1.87	94	19398	5.231	ug/L 98
8) Chloroethane	1.94	64	28027	4.505	ug/L 94
9) Trichlorofluoromethane	2.15	101	82836	5.540	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	32666	5.324	ug/L 98
12) 1,1-Dichloroethene	2.59	96	31354	4.992	ug/L 90
13) Acetone	2.67	43	79524	52.606	ug/L 59
14) Carbon disulfide	2.81	76	103108	4.660	ug/L 99
15) Methyl Acetate	2.97	43	18259	4.573	ug/L 95
16) Methylene chloride	3.06	84	36909	4.672	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	96032	4.852	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	34028	4.894	ug/L 97
19) 1,1-Dichloroethane	3.89	63	66108	4.859	ug/L 100
21) 2-Butanone	4.74	43	134193	49.735	ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	37734	4.840	ug/L 100

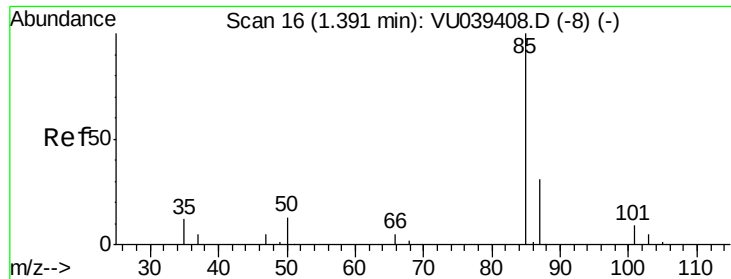
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
 Data File : VU039424.D
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 ClientSampleId :

Quant Time: Jul 11 02:47:40 2020
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 QLast Update : Fri Jul 10 15:17:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	17458	4.929	ug/L	98
25) Chloroform	5.11	83	68554	4.990	ug/L	98
27) 1,2-Dichloroethane	5.81	62	50111	5.042	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	58905	4.949	ug/L	99
30) Cyclohexane	5.41	56	61736	4.927	ug/L	99
31) Carbon tetrachloride	5.54	117	49974	4.921	ug/L	99
33) Benzene	5.79	78	145820	4.826	ug/L	100
34) Trichloroethene	6.56	95	38255	4.898	ug/L	96
35) Methylcyclohexane	6.77	83	63824	5.100	ug/L	99
37) 1,2-Dichloropropane	6.80	63	39092	4.746	ug/L	98
38) Bromodichloromethane	7.12	83	49128	4.671	ug/L	100
39) cis-1,3-Dichloropropene	7.62	75	59170	4.753	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	329189	47.912	ug/L	99
42) Toluene	7.98	91	155142	4.795	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	52249	4.730	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	28932	4.891	ug/L	94
47) Tetrachloroethene	8.56	164	27898	5.135	ug/L	99
48) 2-Hexanone	8.69	43	243282	48.022	ug/L	99
49) Dibromochloromethane	8.82	129	34248	4.780	ug/L	99
50) 1,2-Dibromoethane	8.93	107	28088	4.673	ug/L	97
51) Chlorobenzene	9.45	112	96473	4.880	ug/L	97
52) Ethylbenzene	9.57	91	175305	4.903	ug/L	100
53) m,p-Xylene	9.70	106	66288	4.920	ug/L	97
54) o-Xylene	10.10	106	62832	4.791	ug/L	98
55) Styrene	10.11	104	108036	4.734	ug/L	98
56) Isopropylbenzene	10.48	105	175246	4.941	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	39086	4.747	ug/L	96
59) 1,2,3-Trichloropropane	10.82	75	28658	4.721	ug/L	98
61) Bromoform	10.29	173	19513	4.545	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	77969	4.885	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	77937	4.867	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	75766	4.735	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	6403	4.530	ug/L	88
67) 1,3,5-Trichlorobenzene	13.21	180	58859	4.928	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	50090	4.900	ug/L	96
69) Naphthalene	14.08	128	88023	4.280	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	46113	4.869	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.643 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

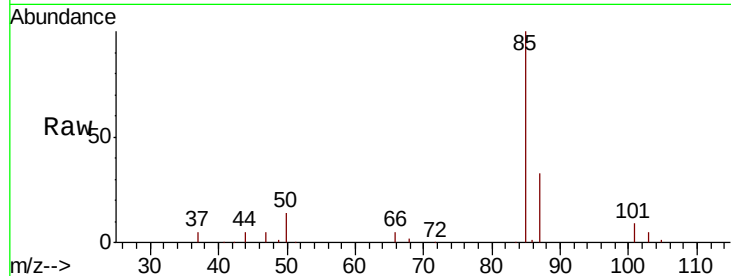
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 36120

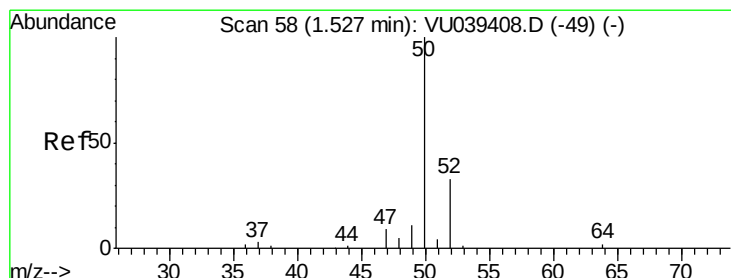
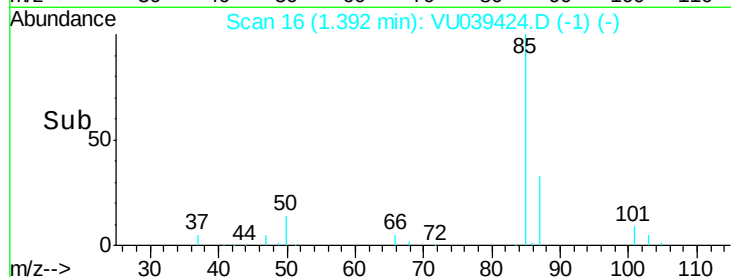
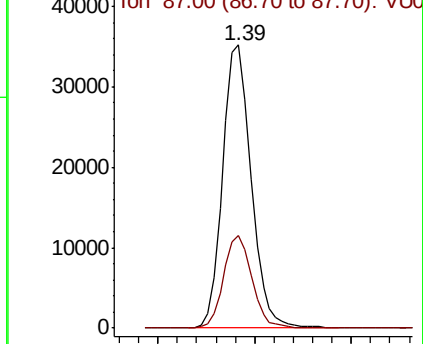
Ion Ratio Lower Upper

85 100

87 32.3 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039424.D (-1) (-)



#3

Chloromethane

Concen: 4.890 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039424.D

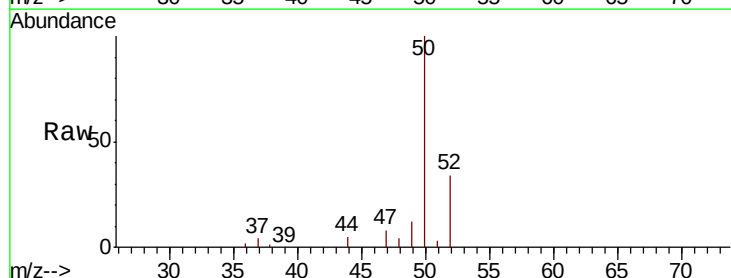
Acq: 10 Jul 2020 12:25

Tgt Ion: 50 Resp: 37918

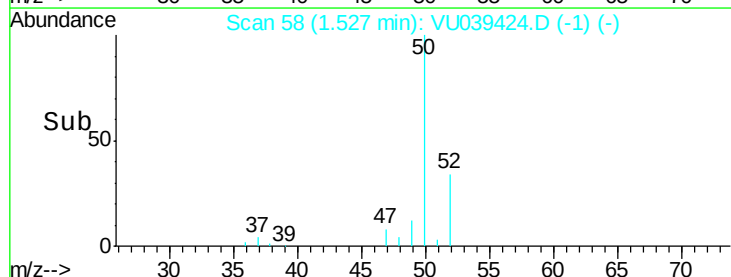
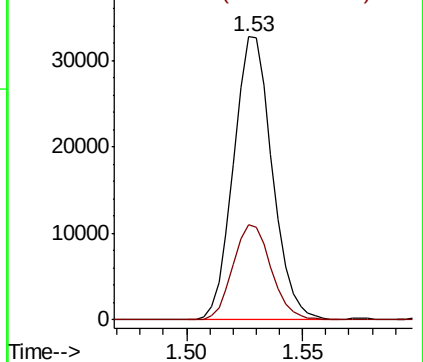
Ion Ratio Lower Upper

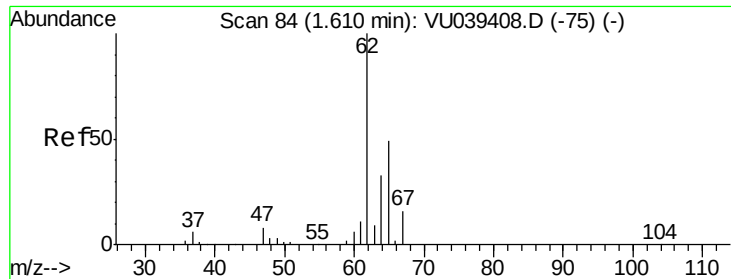
50 100

52 33.9 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039424.D (-1) (-)





#5

Vinyl chloride

Concen: 4.988 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

Instrument :

MSVOA_U

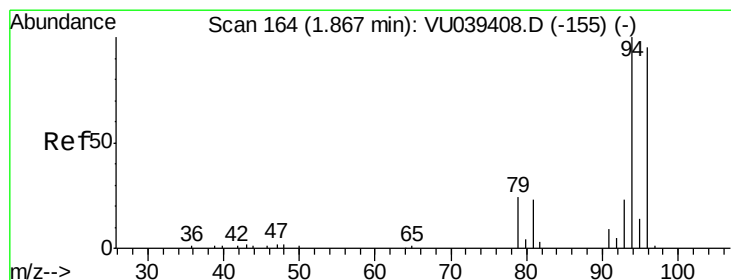
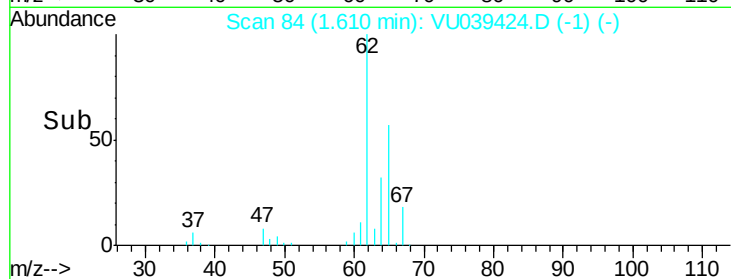
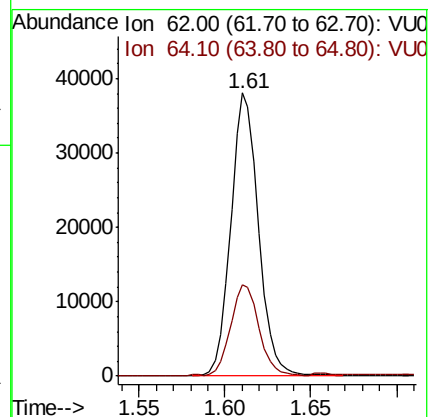
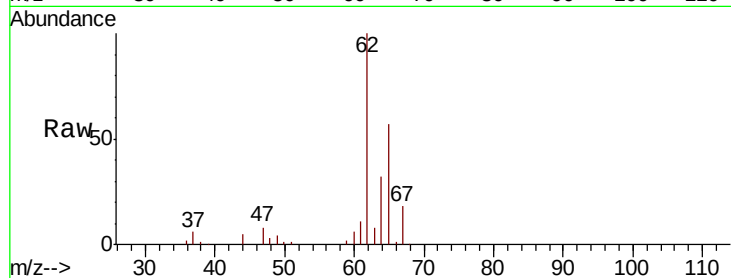
ClientSampleId :

Tot Ion: 62 Resp: 42951

Ion Ratio Lower Upper

62 100

64 32.4 23.7 44.1



#6

Bromomethane

Concen: 5.231 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039424.D

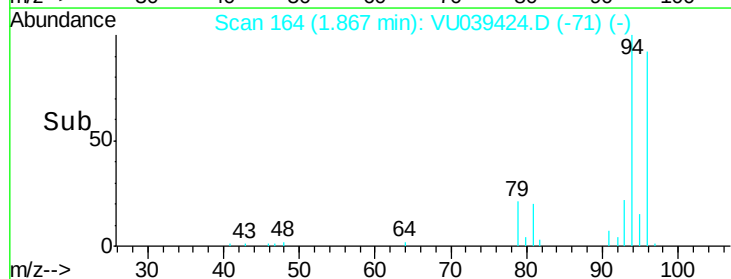
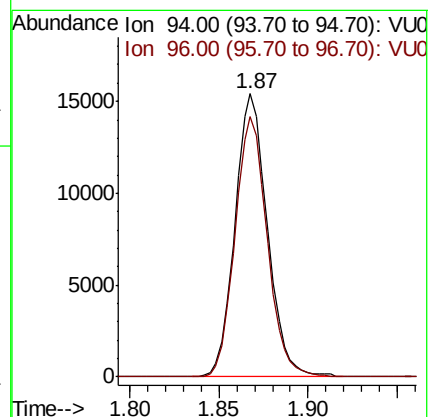
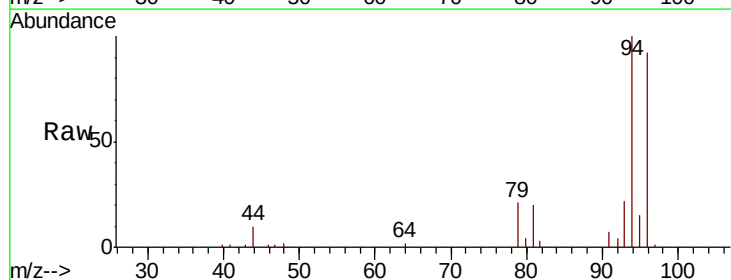
Acq: 10 Jul 2020 12:25

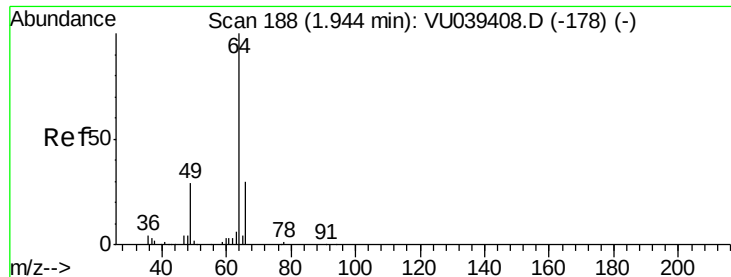
Tgt Ion: 94 Resp: 19398

Ion Ratio Lower Upper

94 100

96 91.8 62.7 116.5





#8

Chloroethane

Concen: 4.505 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

Instrument :

MSVOA_U

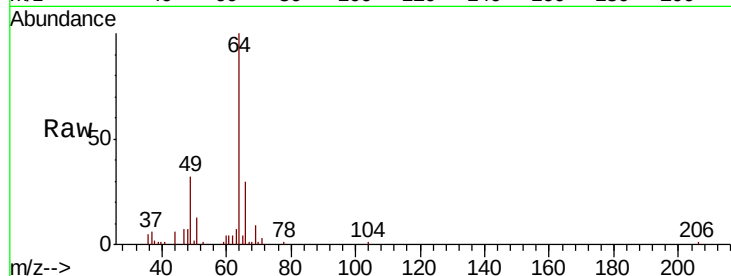
ClientSampleId :

Tot Ion: 64 Resp: 28027

Ion Ratio Lower Upper

64 100

66 30.1 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU039408.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU039408.D (-178) (-)

1.94

20000

15000

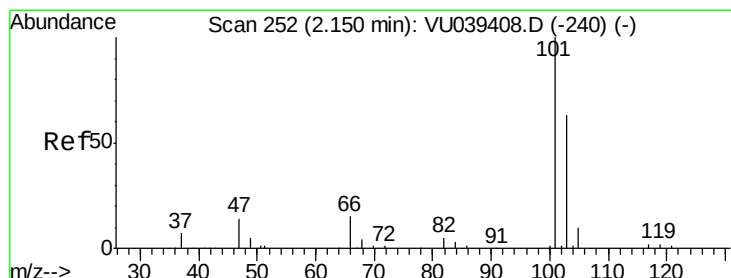
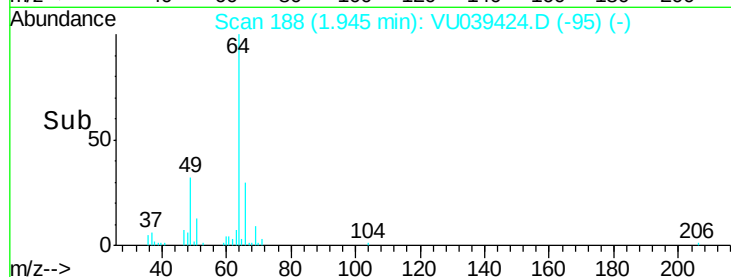
10000

5000

0

1.85 1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 5.540 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039424.D

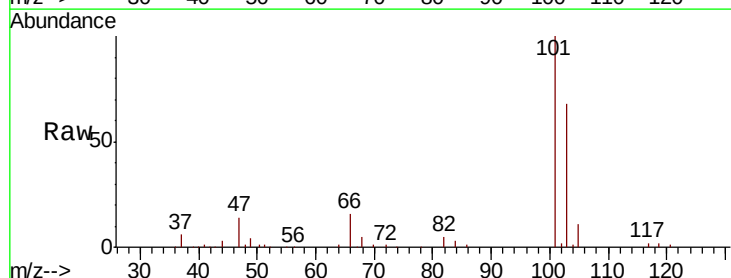
Acq: 10 Jul 2020 12:25

Tgt Ion:101 Resp: 82836

Ion Ratio Lower Upper

101 100

103 65.3 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) (-)

2.15

60000

50000

40000

30000

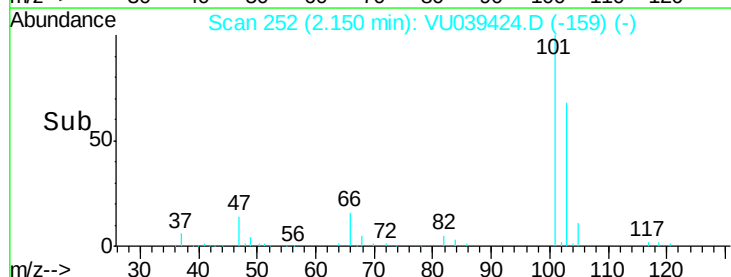
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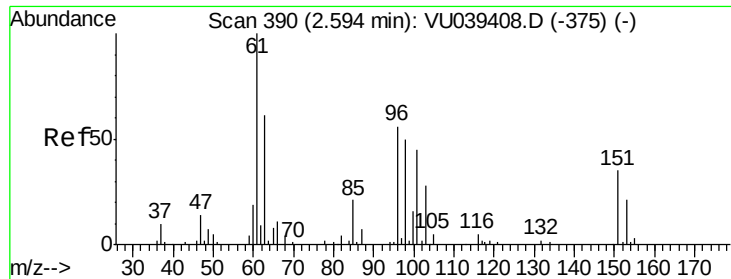
10000

0

2.10 2.15 2.20 2.25

Time-->





#10

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

Concen: 5.324 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

Instrument :

MSVOA_U

ClientSampled :

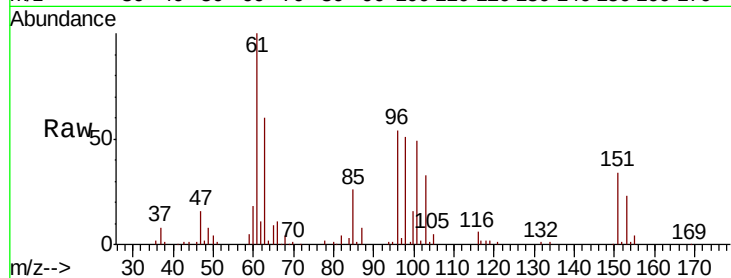
Tot Ion:101 Resp: 32666

Ion Ratio Lower Upper

101 100

85 50.6 38.9 58.3

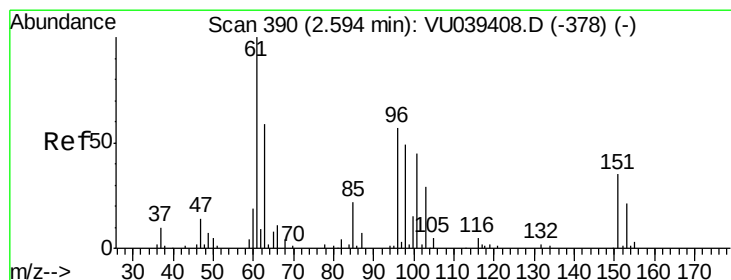
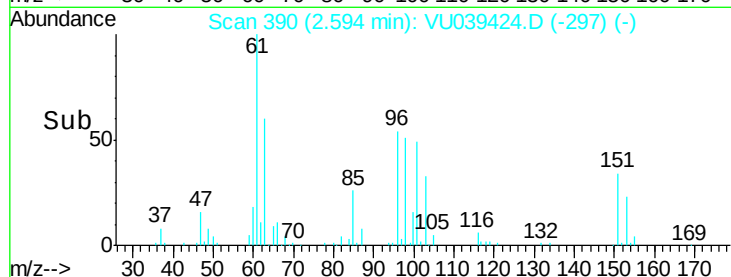
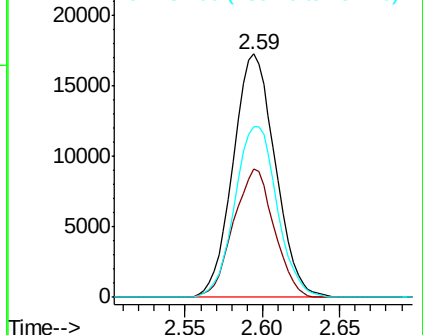
151 70.5 57.0 85.4



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: 4.992 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

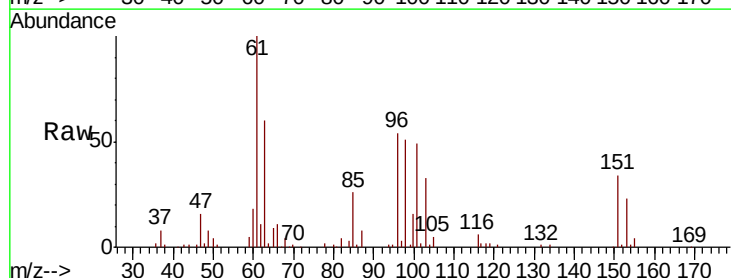
Tgt Ion: 96 Resp: 31354

Ion Ratio Lower Upper

96 100

61 183.9 125.4 232.8

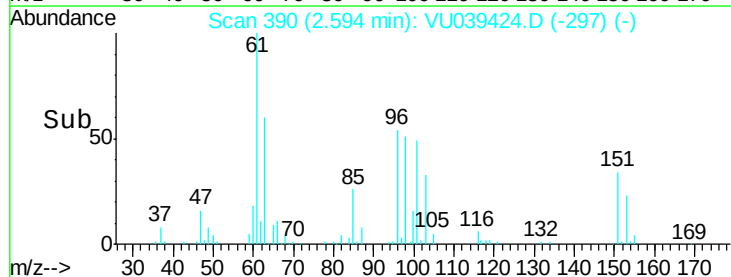
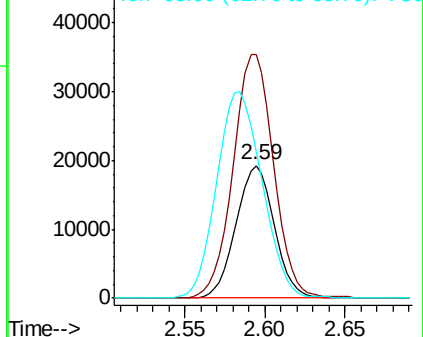
63 110.9 92.7 172.3

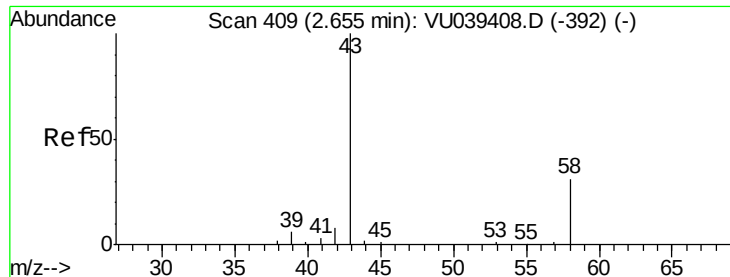


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.606 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.02 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

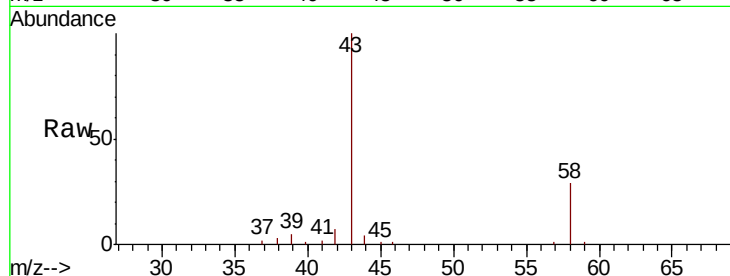
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 79524

Ion Ratio Lower Upper

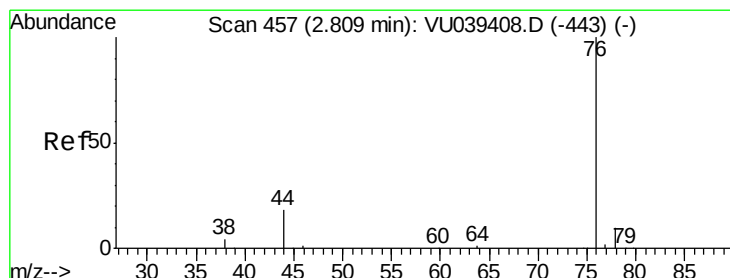
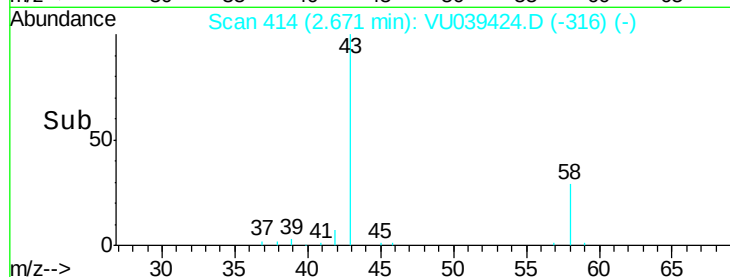
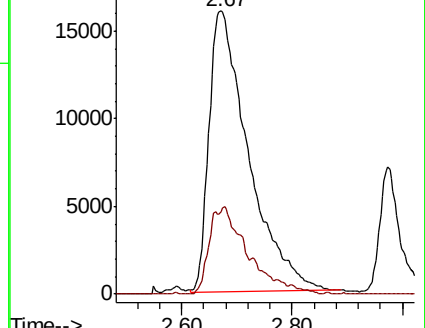
43 100

58 8.6 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039424.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VU039424.D (-316) (-)



#14

Carbon disulfide

Concen: 4.660 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039424.D

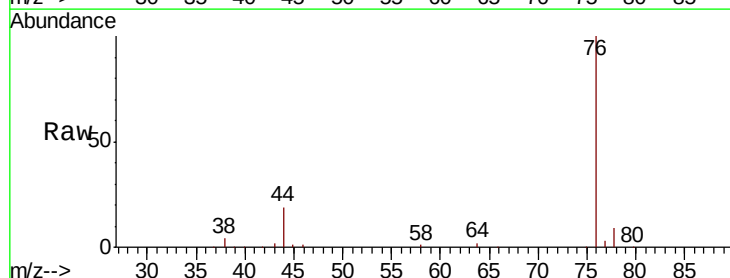
Acq: 10 Jul 2020 12:25

Tgt Ion: 76 Resp: 103108

Ion Ratio Lower Upper

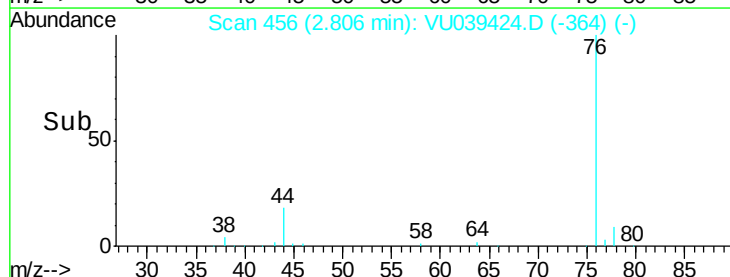
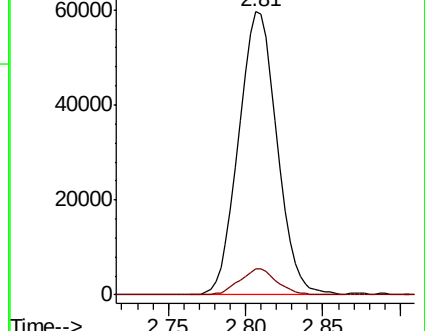
76 100

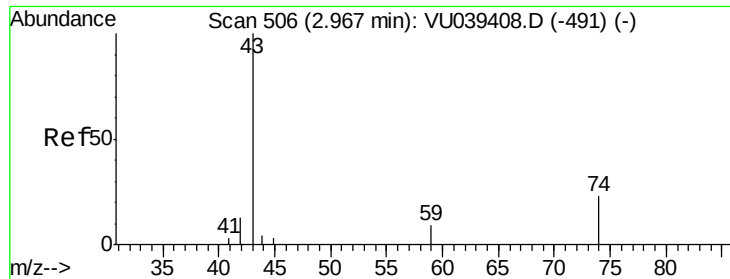
78 9.1 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039424.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VU039424.D (-364) (-)

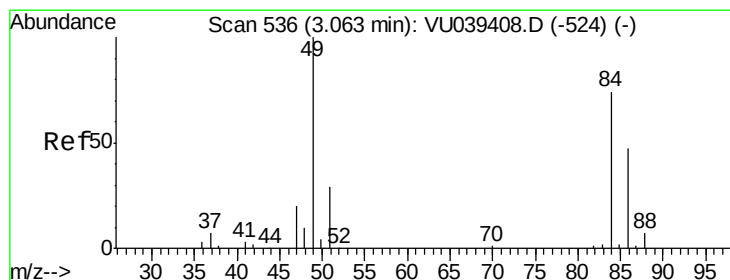
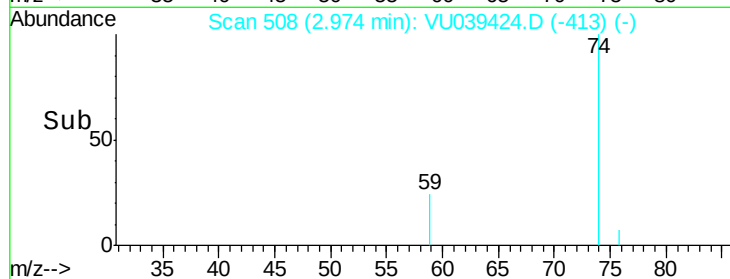
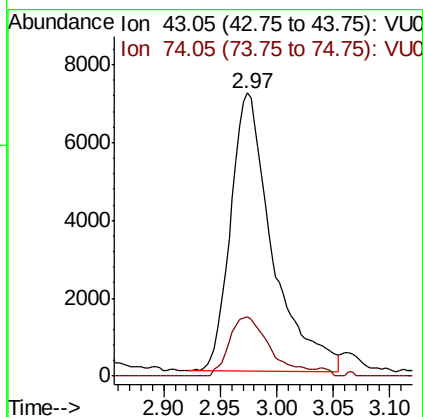
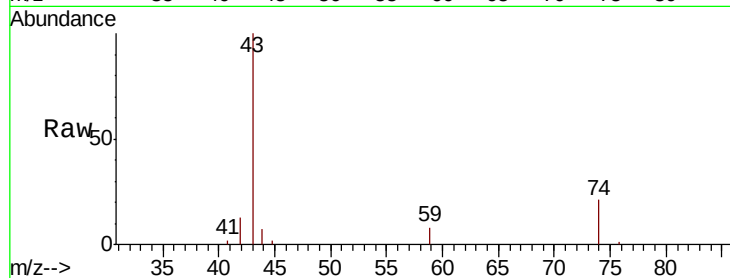




#15
Methyl Acetate
Concen: 4.573 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU039424.D
Acq: 10 Jul 2020 12:25

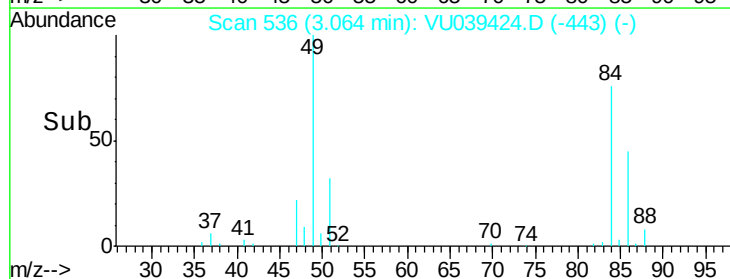
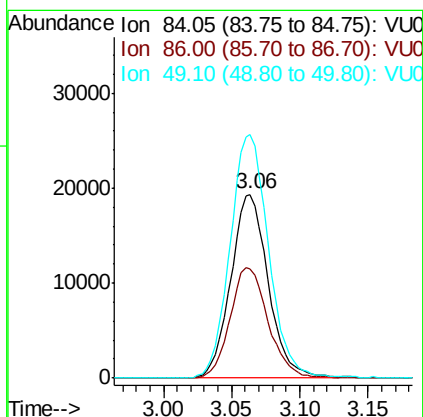
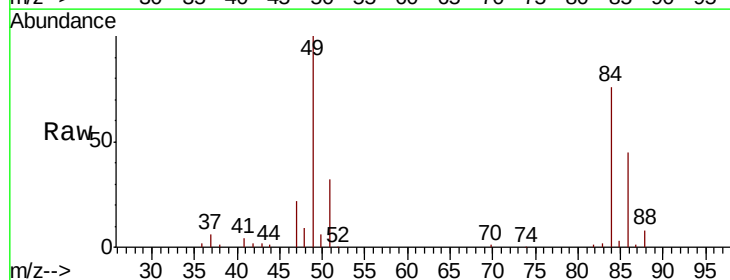
Instrument :
MSVOA_U
ClientSampleId :

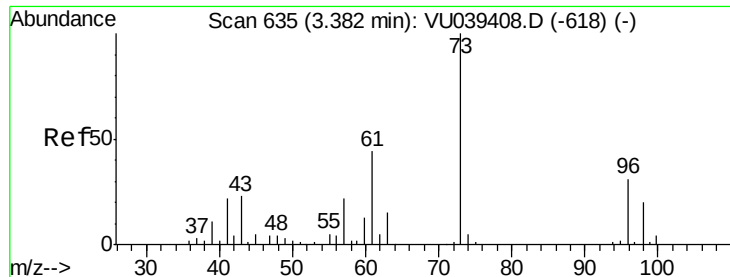
Tot Ion: 43 Resp: 18259
Ion Ratio Lower Upper
43 100
74 21.0 18.7 28.1



#16
Methylene chloride
Concen: 4.672 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039424.D
Acq: 10 Jul 2020 12:25

Tgt Ion: 84 Resp: 36909
Ion Ratio Lower Upper
84 100
86 59.5 43.5 80.9
49 132.3 91.1 169.1

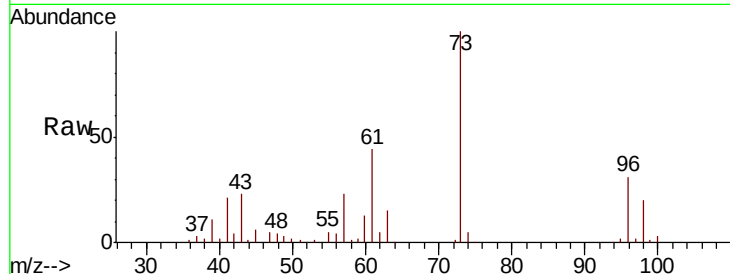




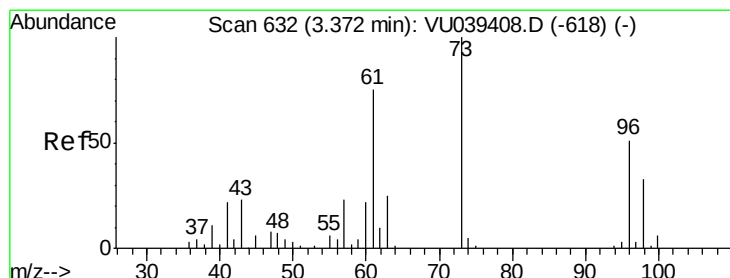
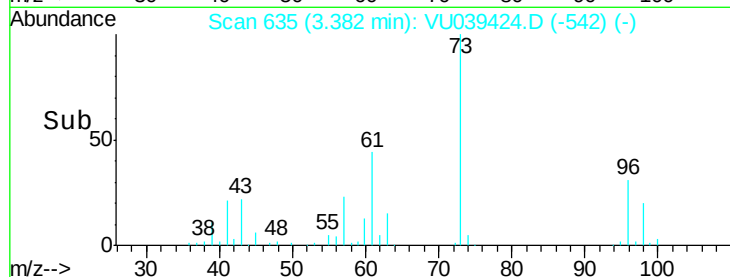
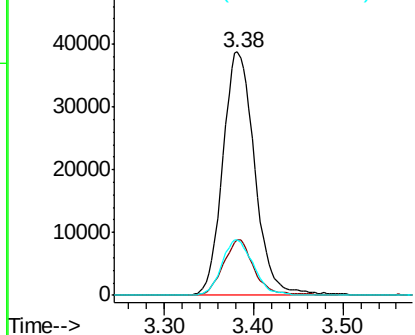
#17
Methyl tert-butyl Ether
Concen: 4.852 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039424.D
Acq: 10 Jul 2020 12:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 96032
Ion Ratio Lower Upper
73 100
43 21.9 18.6 28.0
57 22.5 17.9 26.9

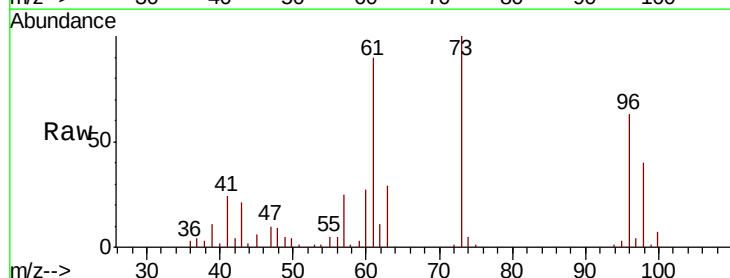


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

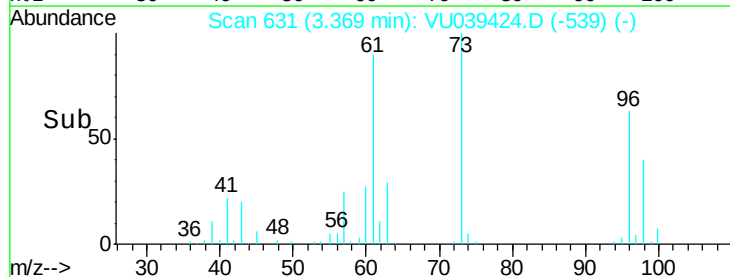
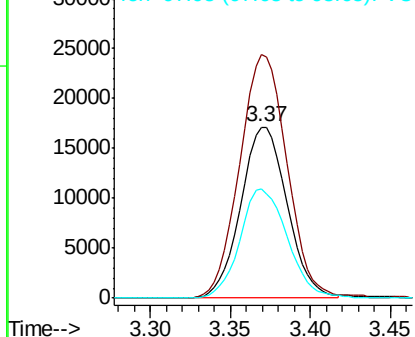


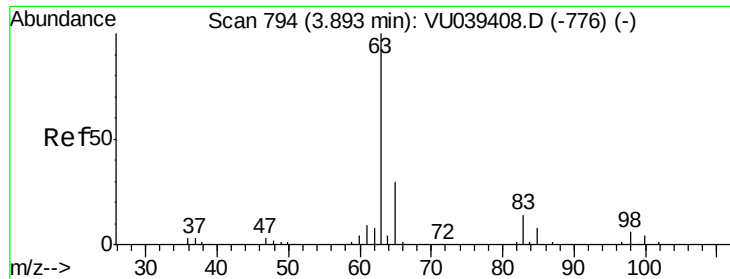
#18
trans-1,2-Dichloroethene
Concen: 4.894 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039424.D
Acq: 10 Jul 2020 12:25

Tgt Ion: 96 Resp: 34028
Ion Ratio Lower Upper
96 100
61 142.2 102.1 189.5
98 63.6 42.5 78.9



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

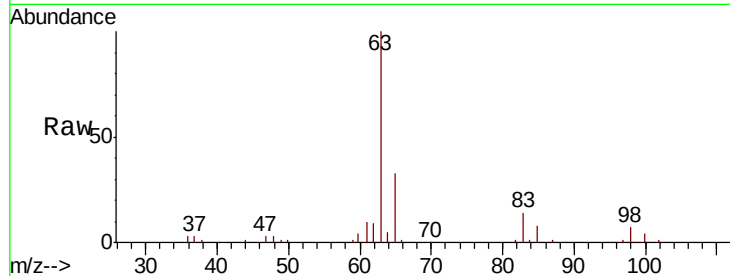




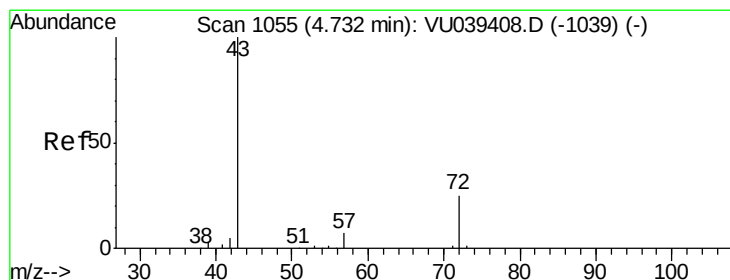
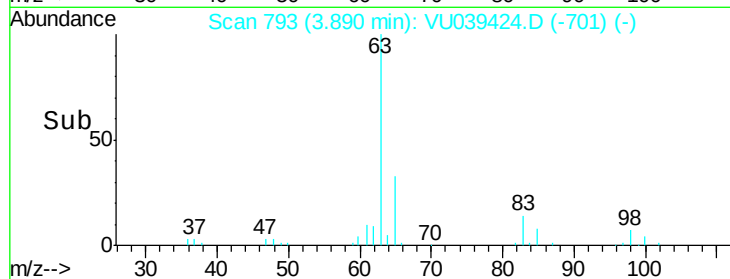
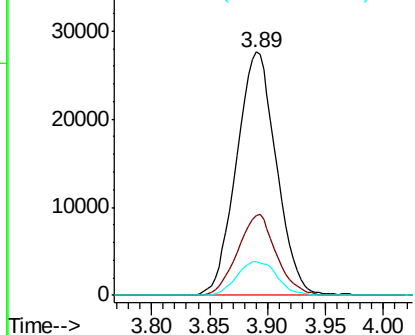
#19
 1,1-Dichloroethane
 Concen: 4.859 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 66108
 Ion Ratio Lower Upper
 63 100
 65 32.9 23.0 42.6
 83 13.9 9.6 17.8

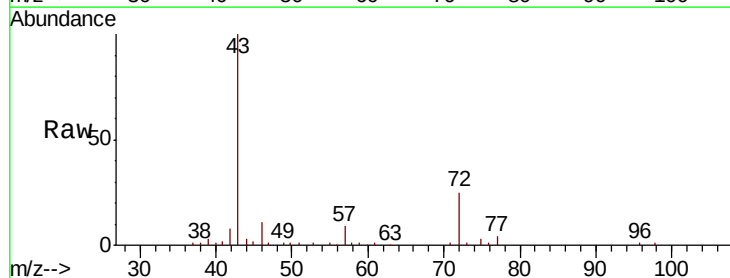


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

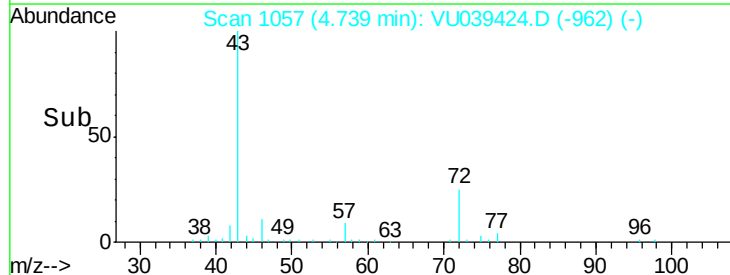
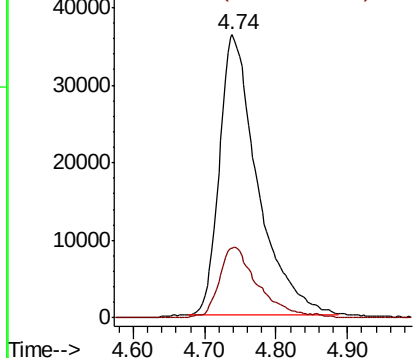


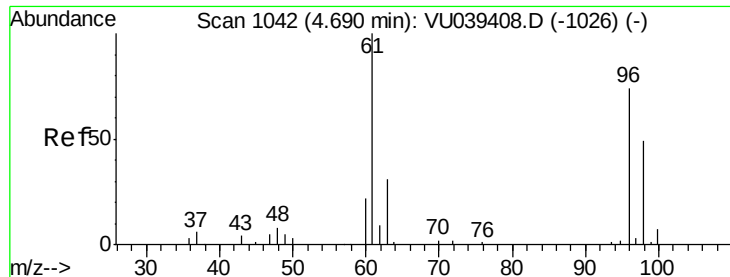
#21
 2-Butanone
 Concen: 49.735 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

Tgt Ion: 43 Resp: 134193
 Ion Ratio Lower Upper
 43 100
 72 25.5 13.2 39.5



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

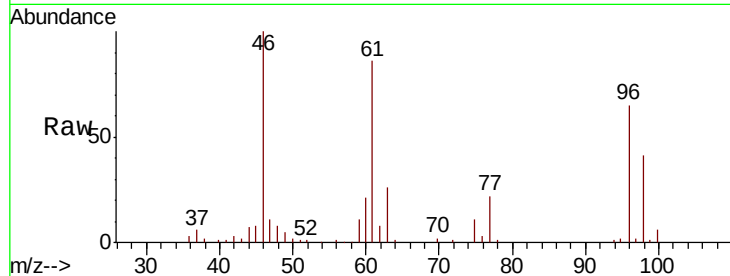




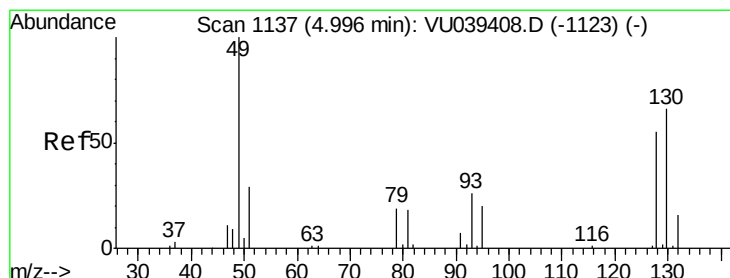
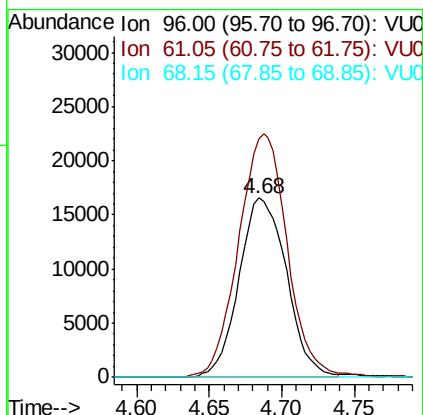
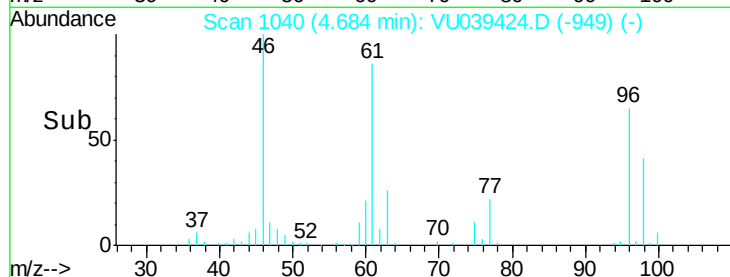
#22
 cis-1,2-Dichloroethene
 Concen: 4.840 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 37734
 Ion Ratio Lower Upper
 96 100
 61 132.7 92.8 172.4
 68 0.0 0.0 0.0

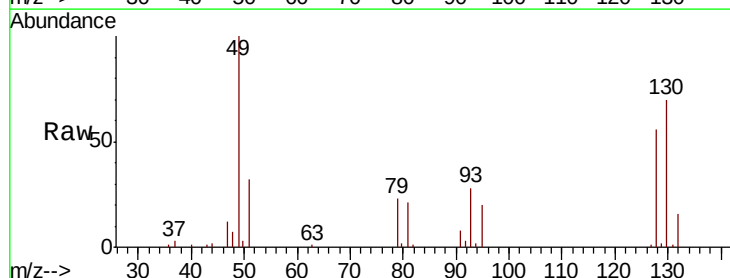


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

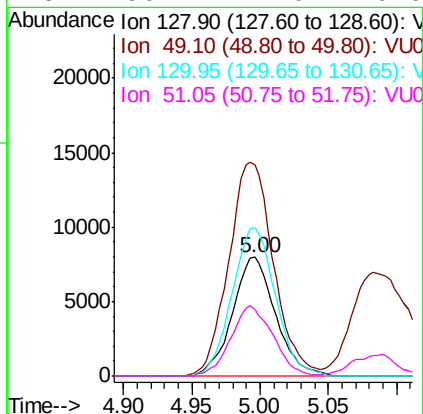
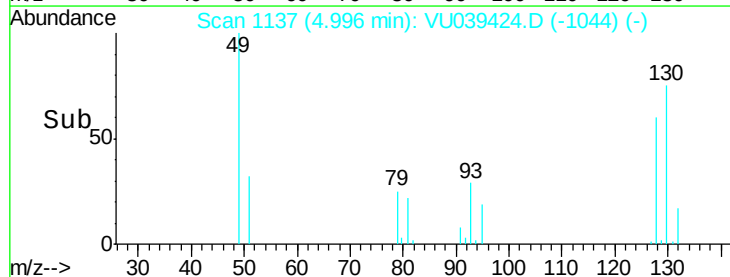


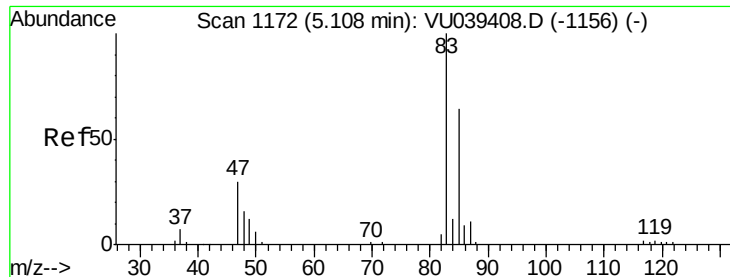
#23
 Bromochloromethane
 Concen: 4.929 ug/L
 RT: 5.00 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

Tgt Ion: 128 Resp: 17458
 Ion Ratio Lower Upper
 128 100
 49 183.2 128.5 238.7
 130 124.8 91.5 169.9
 51 56.1 47.0 70.6



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

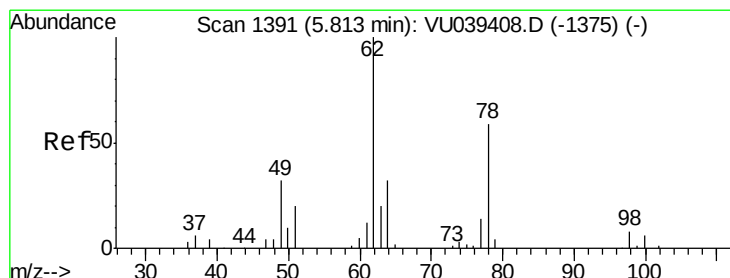
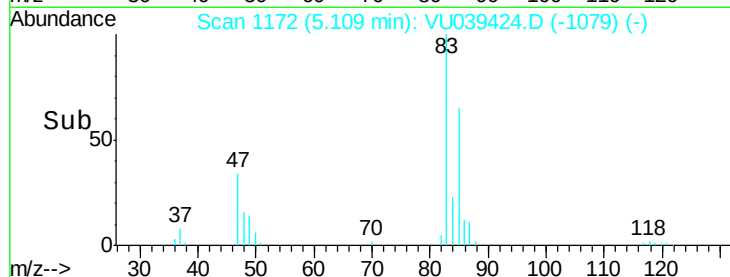
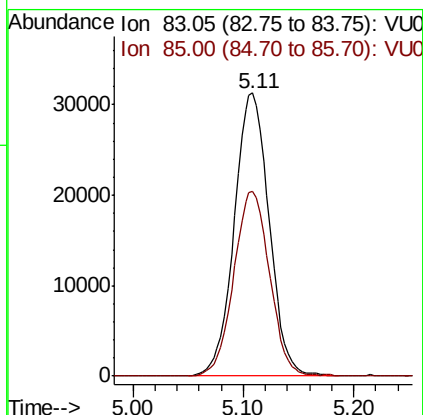
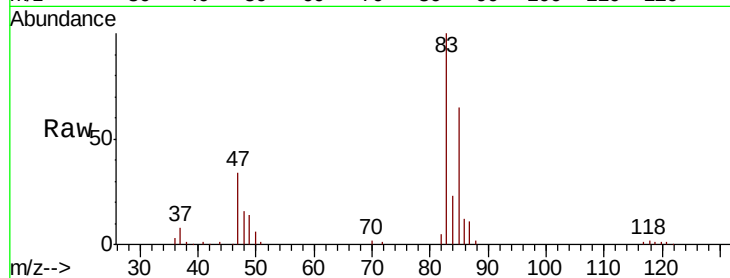




#25
Chloroform
Concen: 4.990 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039424.D
Acq: 10 Jul 2020 12:25

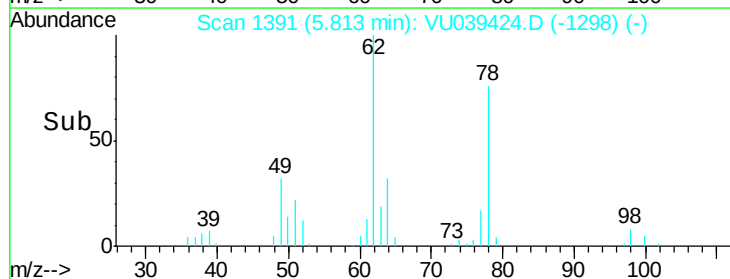
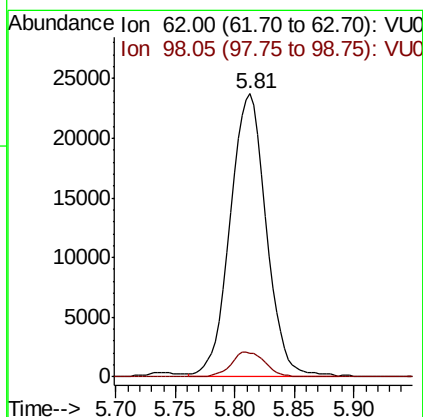
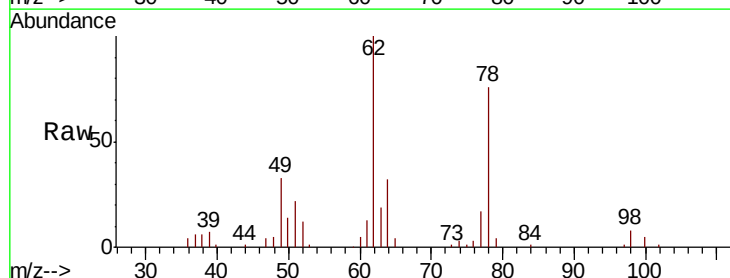
Instrument :
MSVOA_U
ClientSampleId :

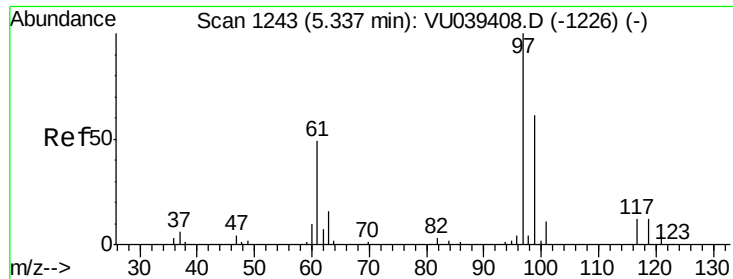
Tot Ion: 83 Resp: 68554
Ion Ratio Lower Upper
83 100
85 65.4 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.042 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039424.D
Acq: 10 Jul 2020 12:25

Tgt Ion: 62 Resp: 50111
Ion Ratio Lower Upper
62 100
98 8.4 6.3 9.5

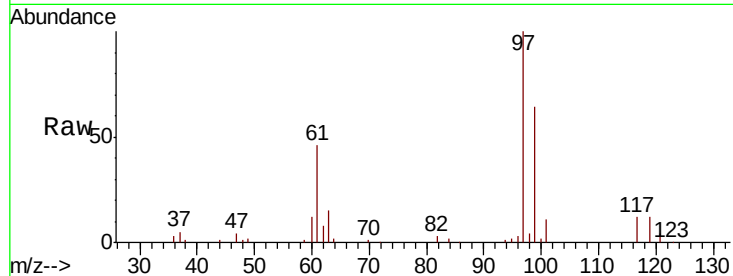




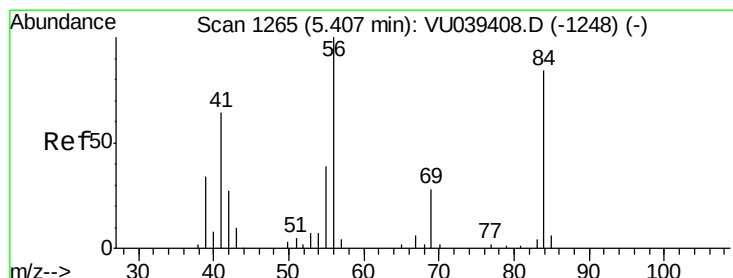
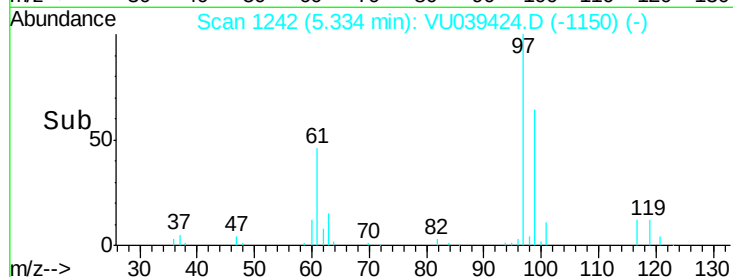
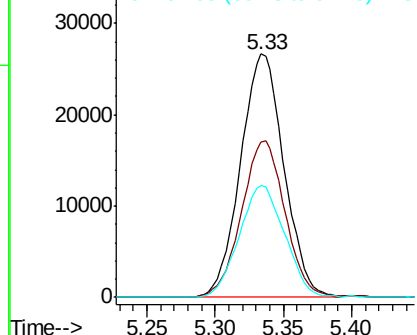
#29
1,1,1-Trichloroethane
Concen: 4.949 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU039424.D
Acq: 10 Jul 2020 12:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 58905
Ion Ratio Lower Upper
97 100
99 64.8 52.6 79.0
61 48.1 37.9 56.9

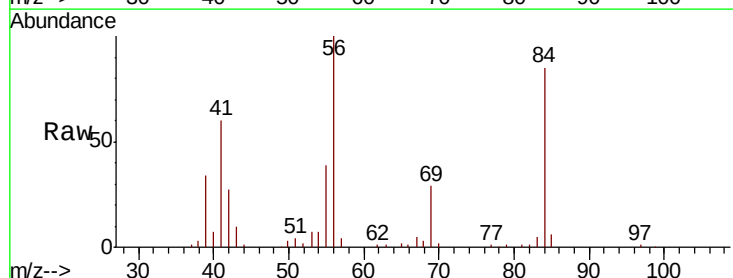


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

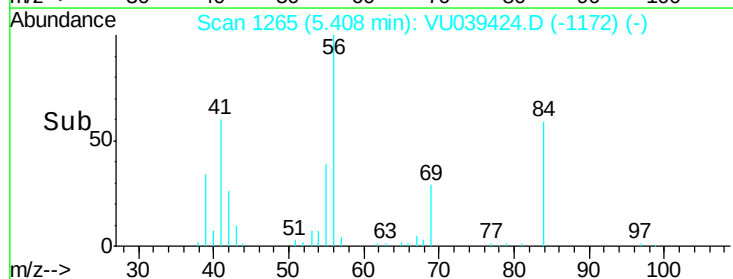
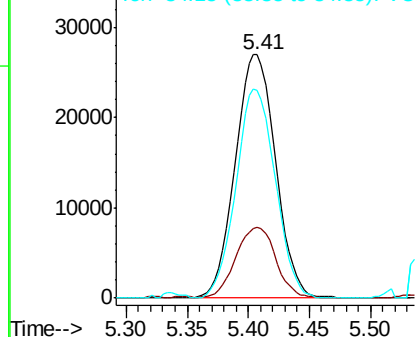


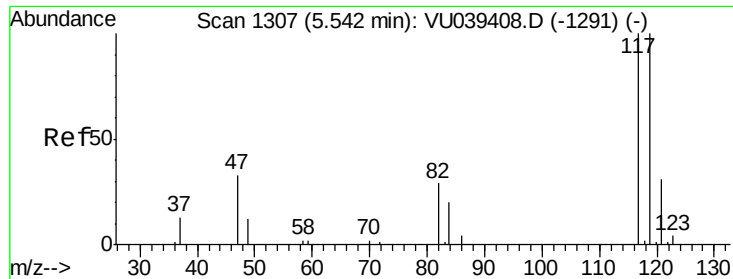
#30
Cyclohexane
Concen: 4.927 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU039424.D
Acq: 10 Jul 2020 12:25

Tgt Ion: 56 Resp: 61736
Ion Ratio Lower Upper
56 100
69 29.0 24.1 36.1
84 83.8 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: 4.921 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

Instrument :

MSVOA_U

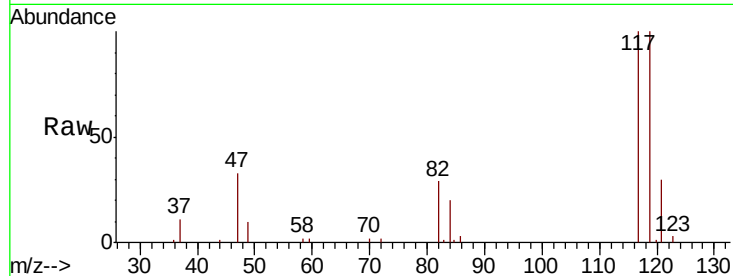
ClientSampled :

Tot Ion:117 Resp: 49974

Ion Ratio Lower Upper

117 100

119 97.9 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

25000

20000

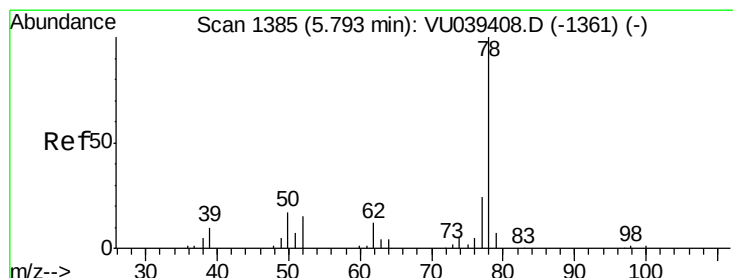
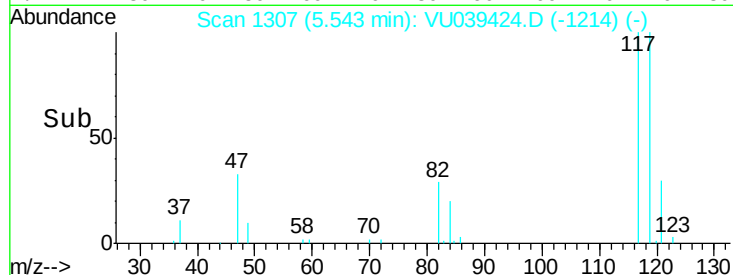
15000

10000

5000

0

Time-->



#33

Benzene

Concen: 4.826 ug/L

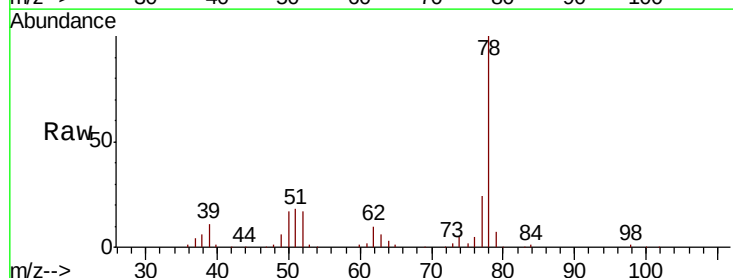
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

Tgt Ion: 78 Resp: 145820



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

80000

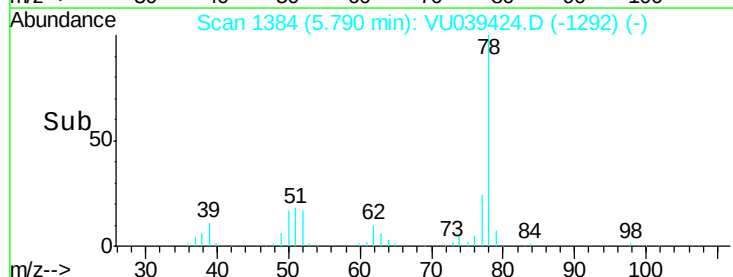
60000

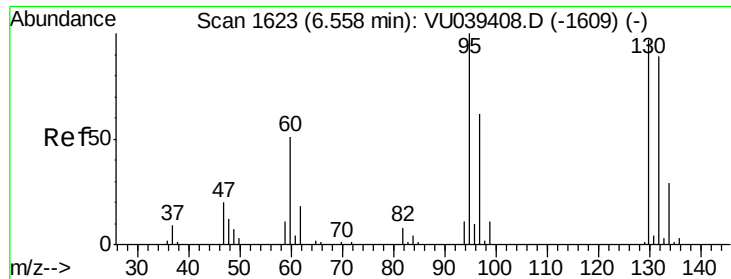
40000

20000

0

Time-->

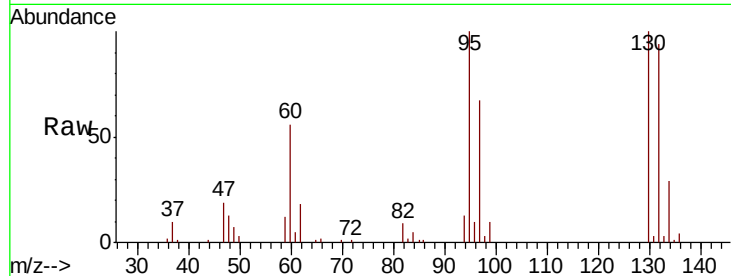




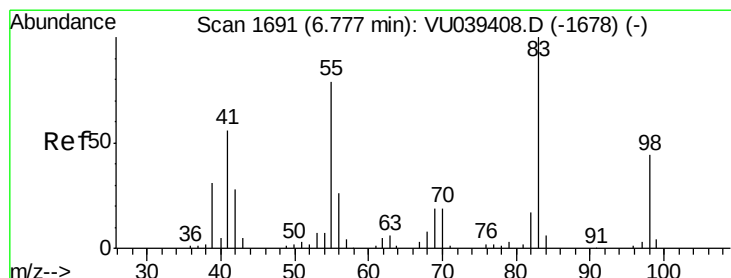
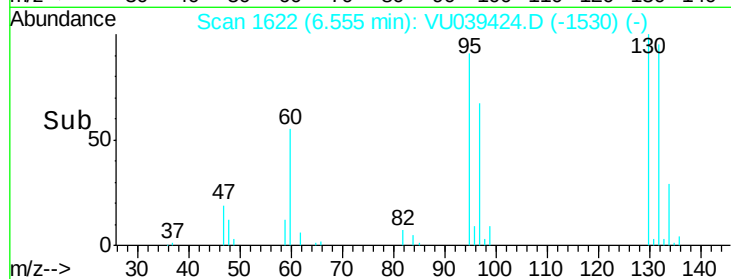
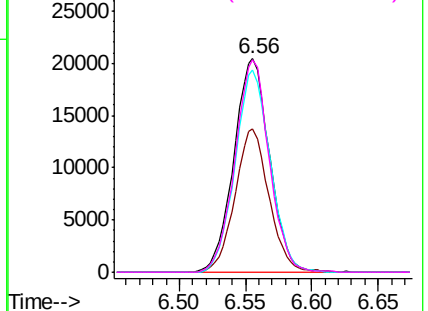
#34
 Trichloroethene
 Concen: 4.898 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 38255
 Ion Ratio Lower Upper
 95 100
 97 66.9 46.3 85.9
 132 94.4 64.0 118.8
 130 99.5 64.3 119.5

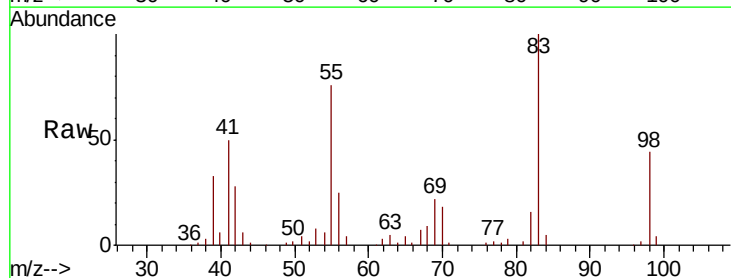


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

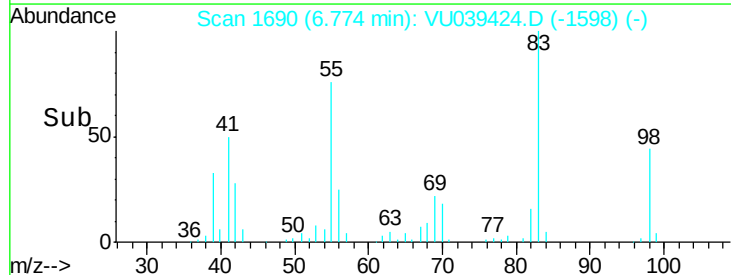
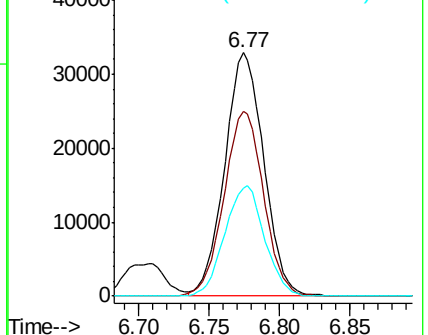


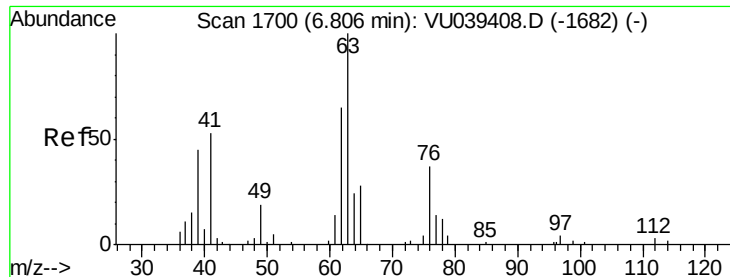
#35
 Methylcyclohexane
 Concen: 5.100 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

Tgt Ion: 83 Resp: 63824
 Ion Ratio Lower Upper
 83 100
 55 76.6 62.1 93.1
 98 45.8 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

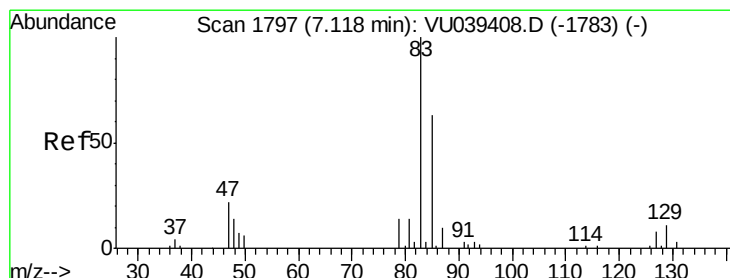
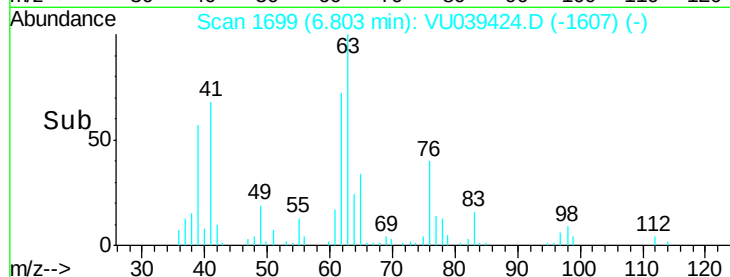
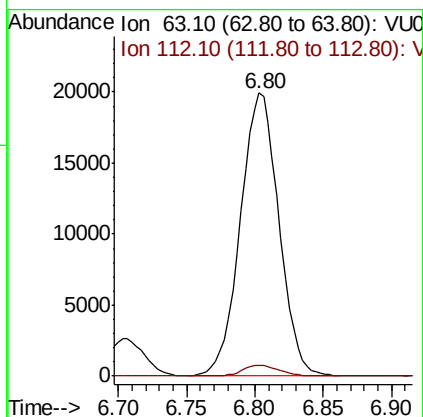
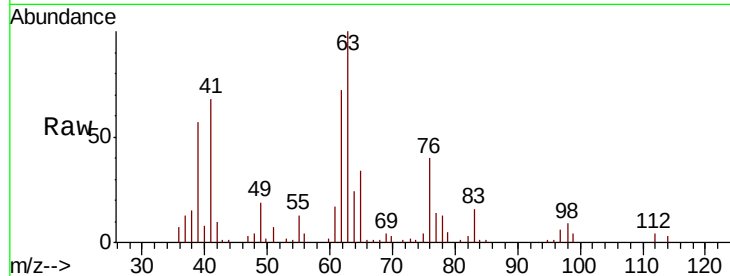




#37
 1,2-Dichloropropane
 Concen: 4.746 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

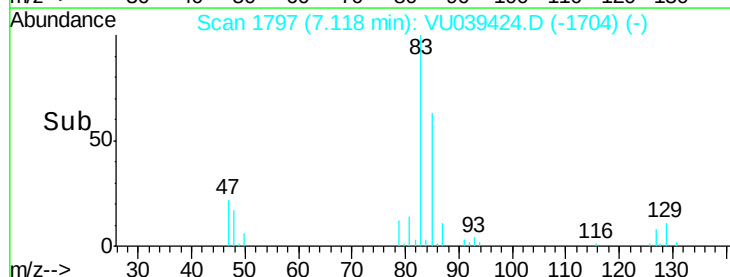
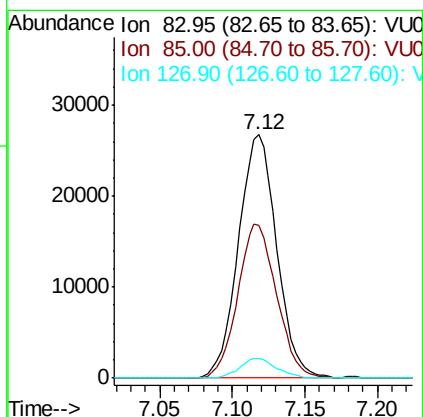
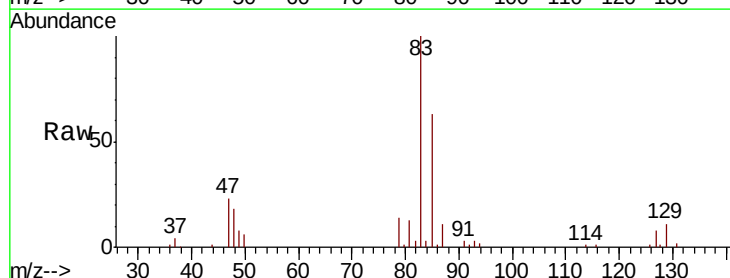
Instrument :
 MSVOA_U
 ClientSampleId :

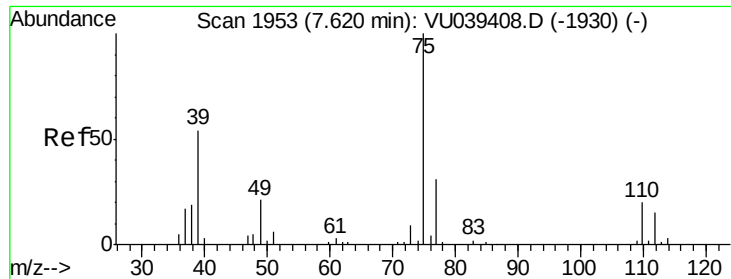
Tot Ion: 63 Resp: 39092
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.671 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

Tgt Ion: 83 Resp: 49128
 Ion Ratio Lower Upper
 83 100
 85 62.6 44.0 81.6
 127 8.3 6.2 9.4

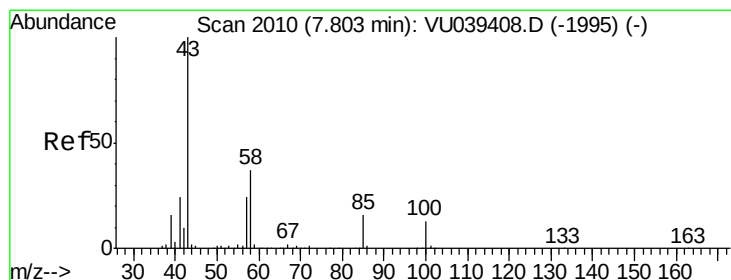
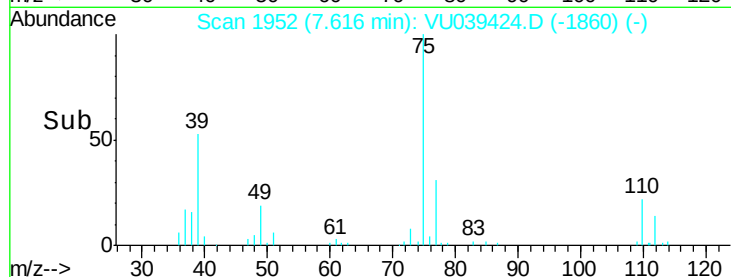
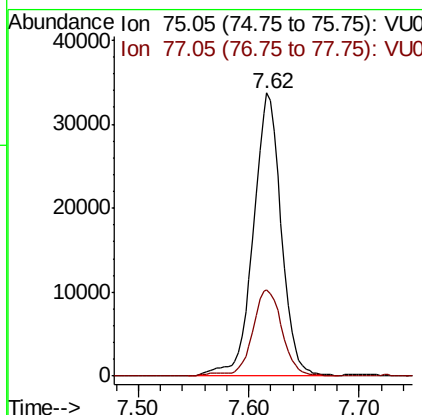
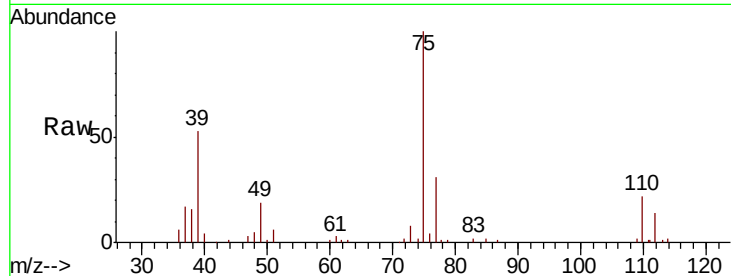




#39
 cis-1,3-Dichloropropene
 Concen: 4.753 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

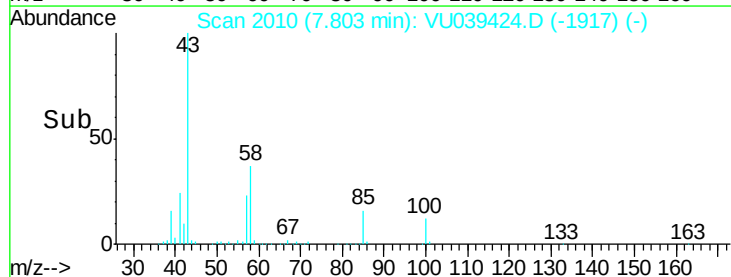
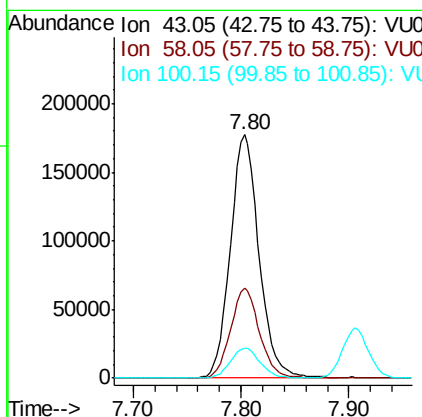
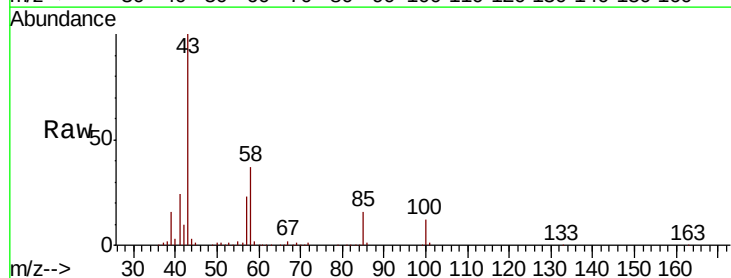
Instrument :
 MSVOA_U
 ClientSampleId :

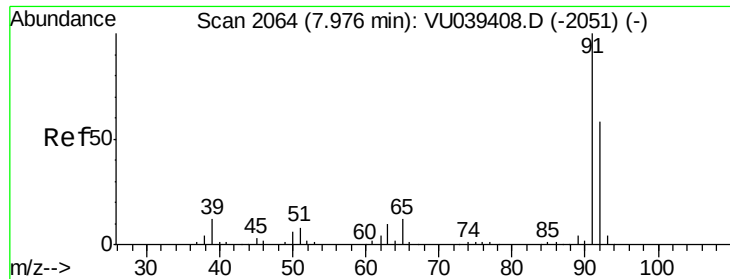
Tot Ion: 75 Resp: 59170
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 47.912 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

Tgt Ion: 43 Resp: 329189
 Ion Ratio Lower Upper
 43 100
 58 37.0 30.5 45.7
 100 12.8 10.3 15.5





#42

Toluene

Concen: 4.795 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

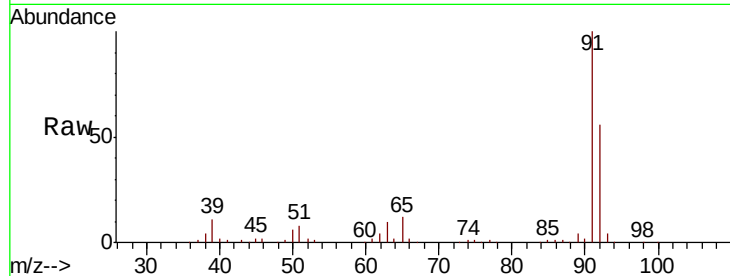
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 155142

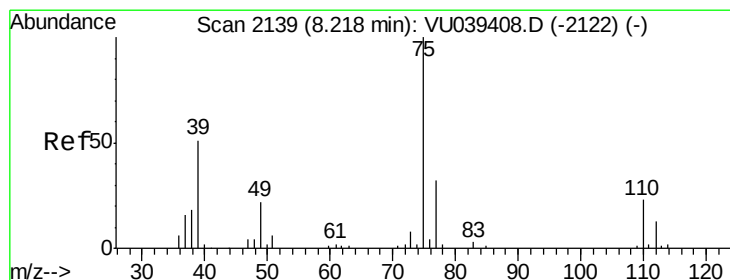
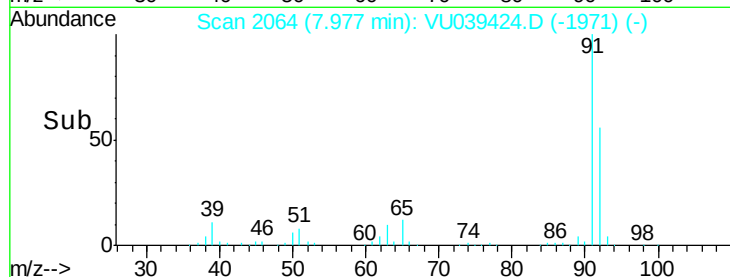
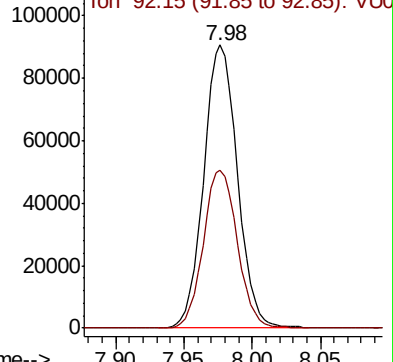
Ion Ratio Lower Upper

91 100

92 55.9 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039408.D (-2051) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.730 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039424.D

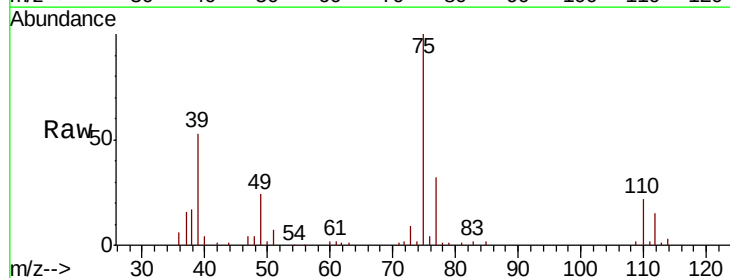
Acq: 10 Jul 2020 12:25

Tgt Ion: 75 Resp: 52249

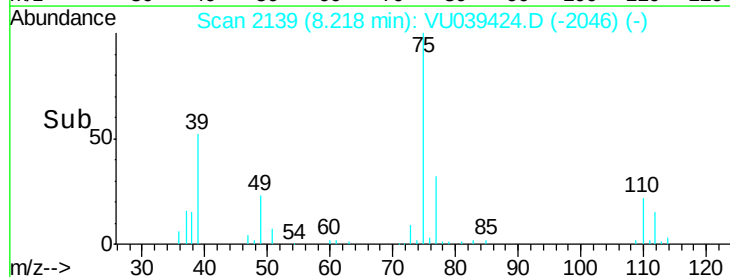
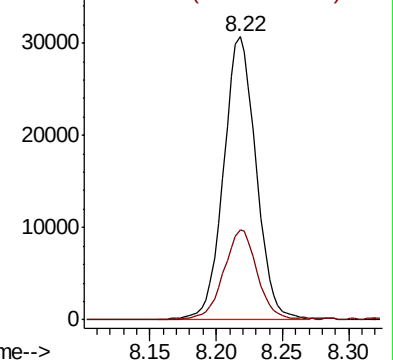
Ion Ratio Lower Upper

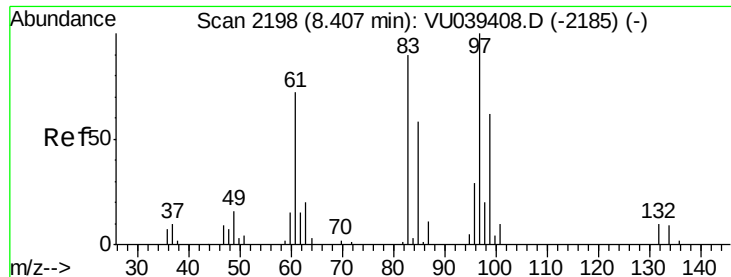
75 100

77 32.0 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039408.D (-2122) (-)

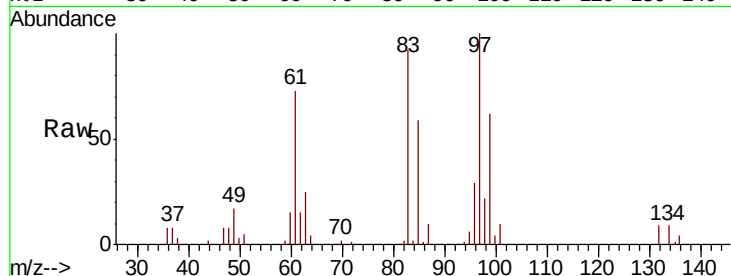




#45
 1,1,2-Trichloroethane
 Concen: 4.891 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	28932
Ion	Ratio	Lower	Upper
97	100		
99	61.7	40.7	75.7
83	91.8	60.6	112.6
85	59.4	38.3	71.1



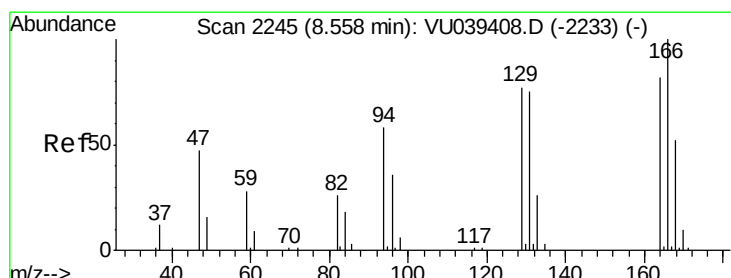
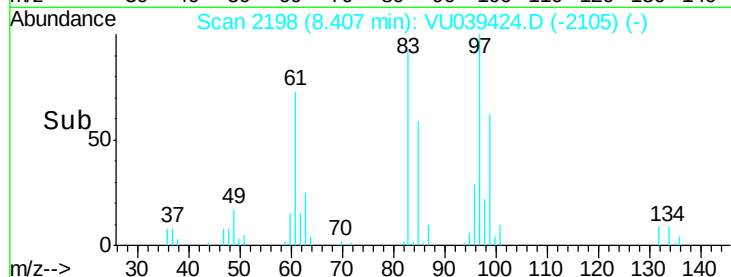
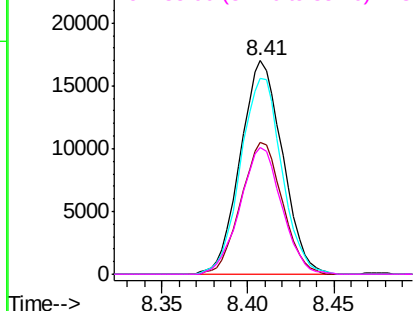
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

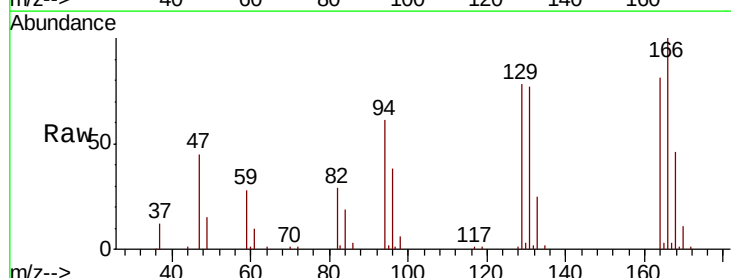
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.135 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

Tgt Ion:	164	Resp:	27898
Ion	Ratio	Lower	Upper
164	100		
129	95.9	68.6	127.4
131	94.1	66.4	123.4
166	122.9	85.9	159.5



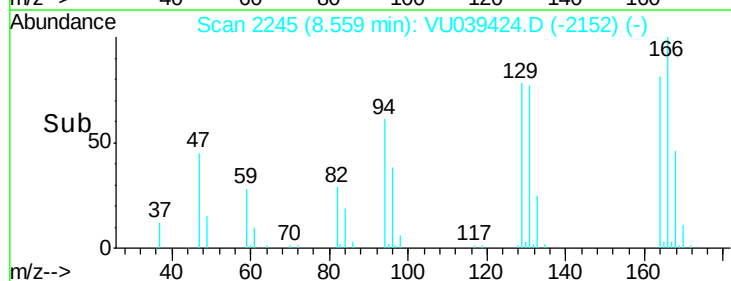
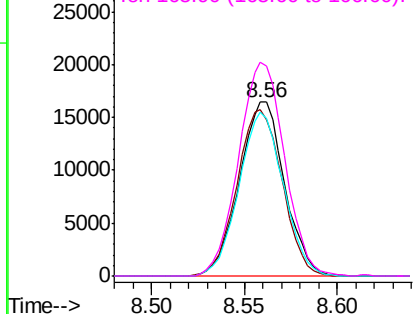
Abundance

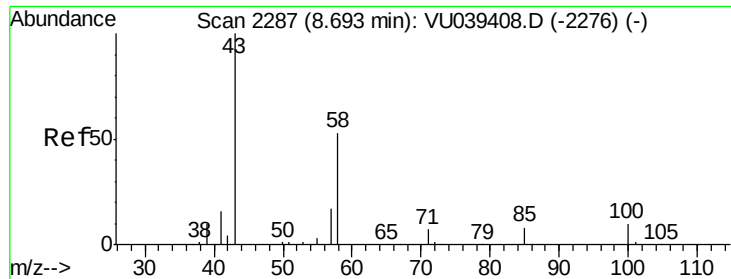
Ion 163.90 (163.60 to 164.60): V

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

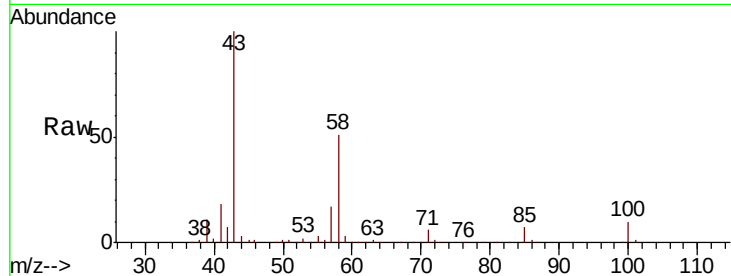




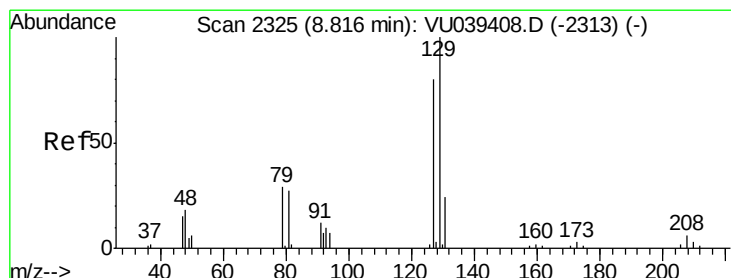
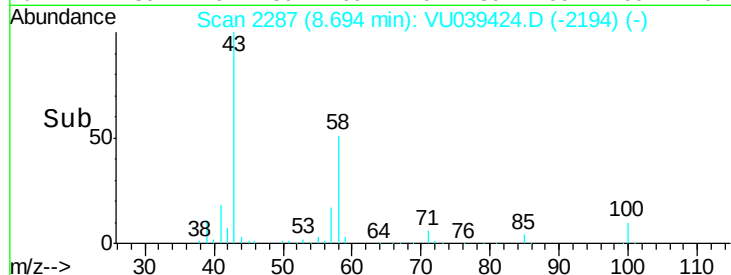
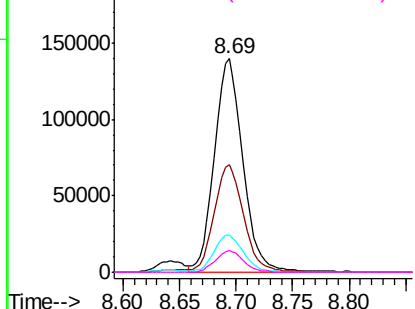
#48
2-Hexanone
Concen: 48.022 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039424.D
Acq: 10 Jul 2020 12:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 243282
Ion Ratio Lower Upper
43 100
58 52.1 42.0 63.0
57 18.2 14.0 21.0
100 10.0 8.2 12.2

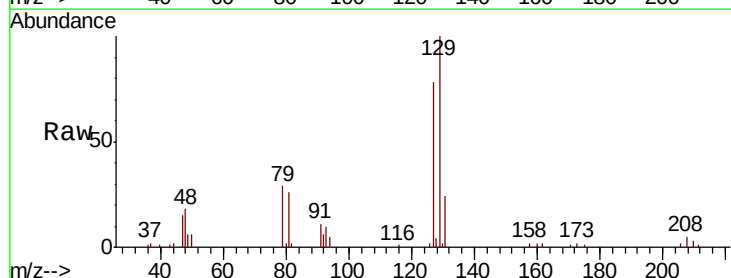


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

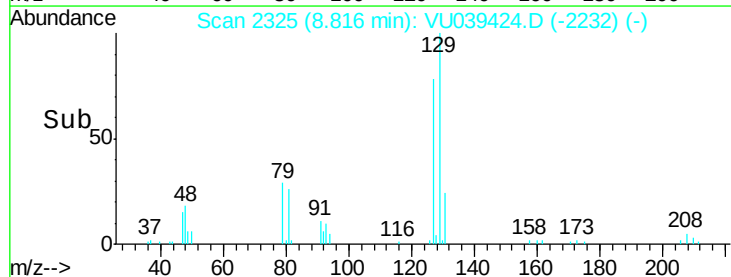
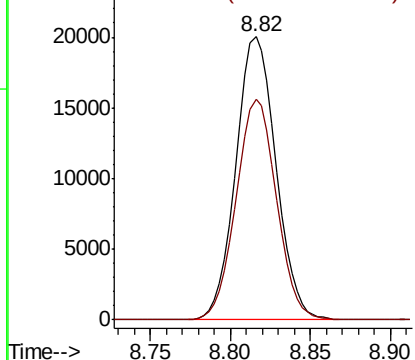


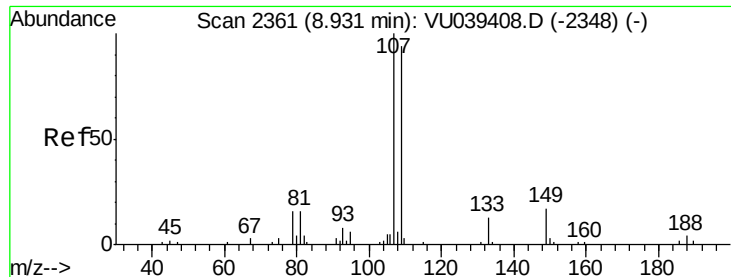
#49
Dibromochloromethane
Concen: 4.780 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039424.D
Acq: 10 Jul 2020 12:25

Tgt Ion: 129 Resp: 34248
Ion Ratio Lower Upper
129 100
127 78.1 55.4 102.8



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

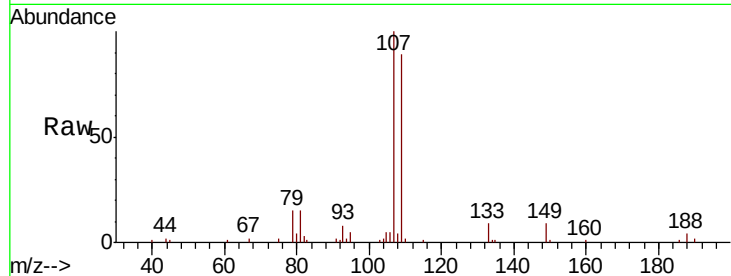




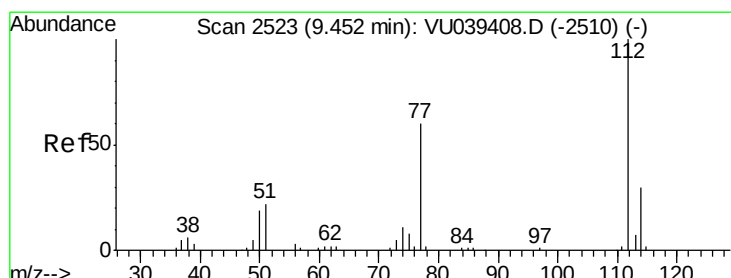
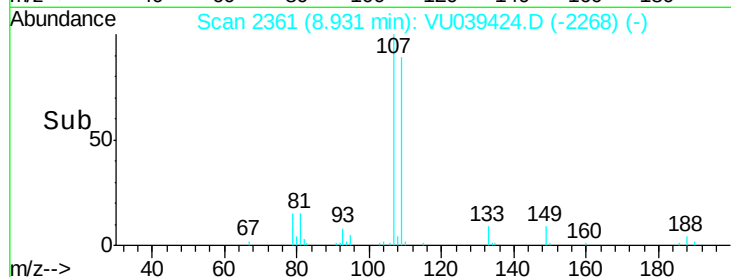
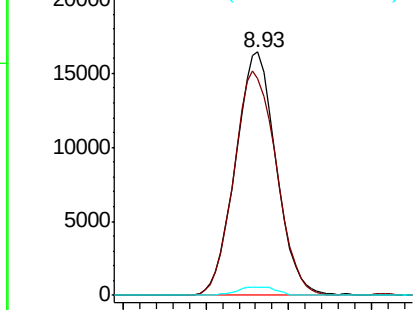
#50
1,2-Dibromoethane
Concen: 4.673 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039424.D
Acq: 10 Jul 2020 12:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 28088
Ion Ratio Lower Upper
107 100
109 88.8 64.0 118.8
188 3.6 2.6 3.8

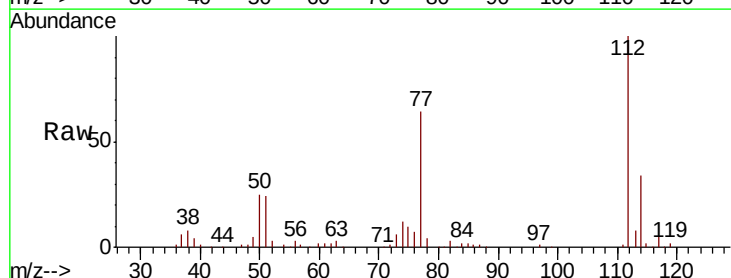


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

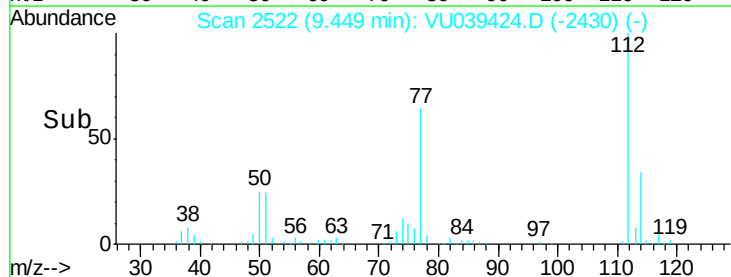
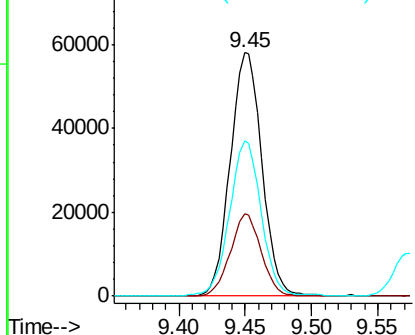


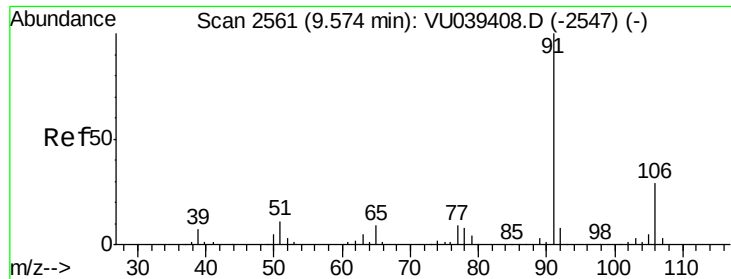
#51
Chlorobenzene
Concen: 4.880 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039424.D
Acq: 10 Jul 2020 12:25

Tgt Ion:112 Resp: 96473
Ion Ratio Lower Upper
112 100
114 34.1 22.1 41.1
77 63.7 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: 4.903 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

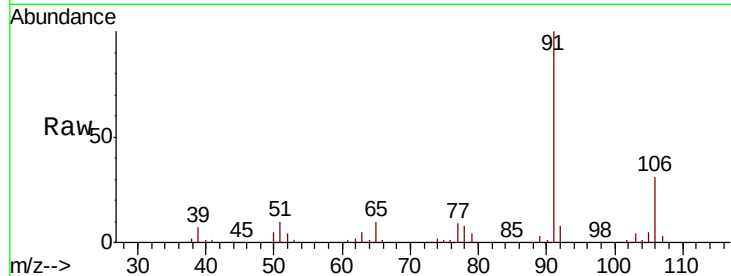
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 175305

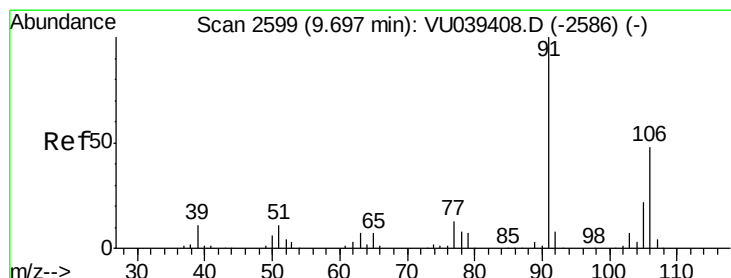
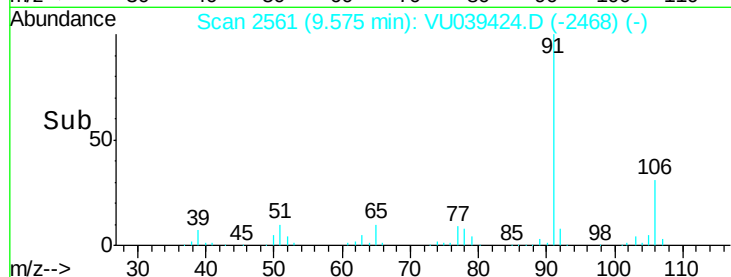
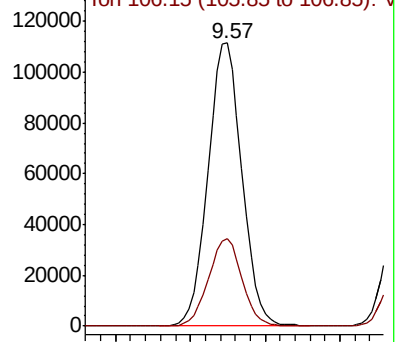
Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039408.D (-2547) (-)



#53

m,p-Xylene

Concen: 4.920 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039424.D

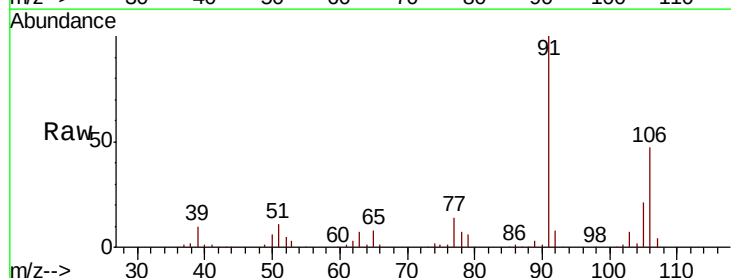
Acq: 10 Jul 2020 12:25

Tgt Ion: 106 Resp: 66288

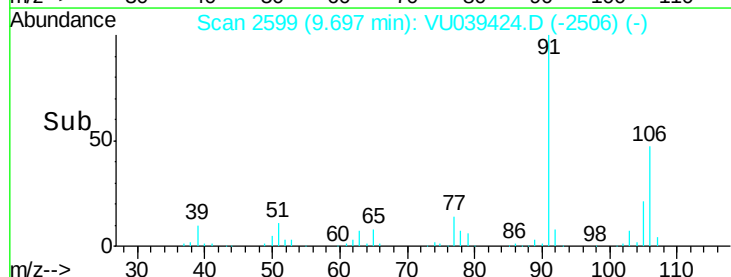
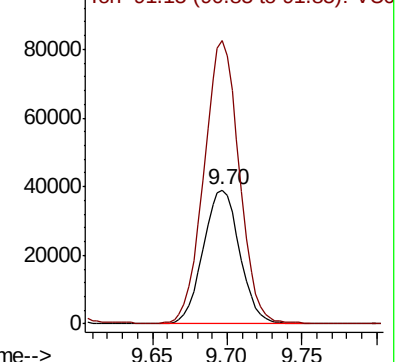
Ion Ratio Lower Upper

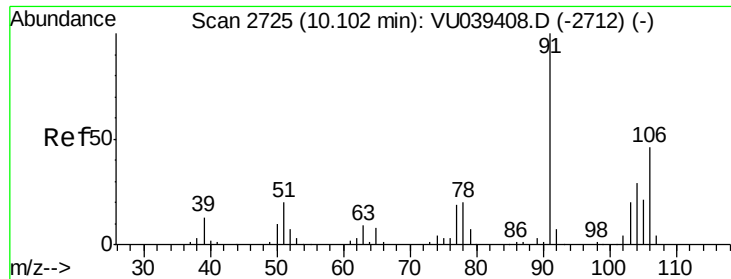
106 100

91 210.9 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039408.D (-2586) (-)

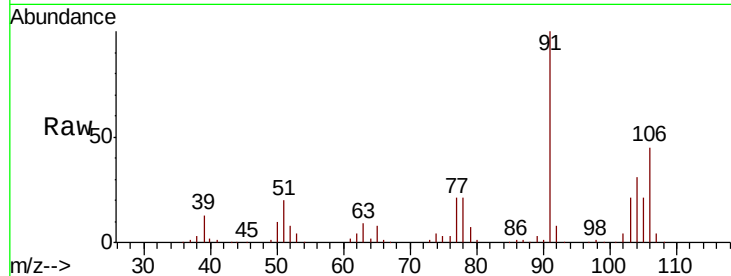




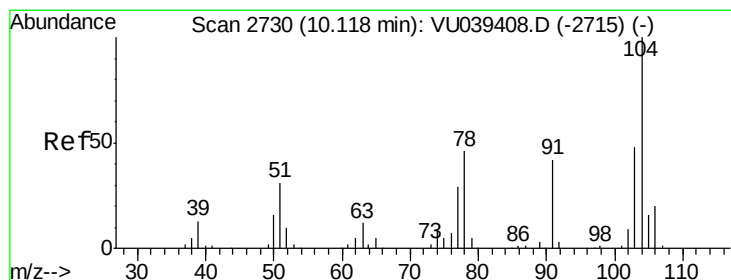
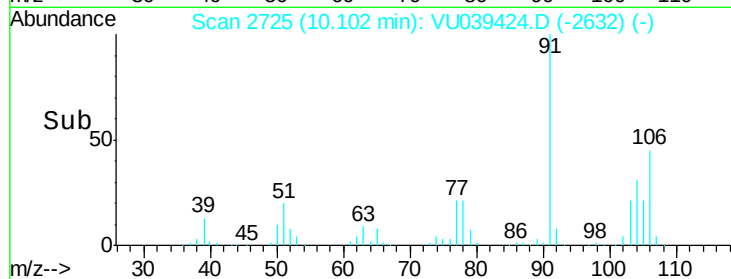
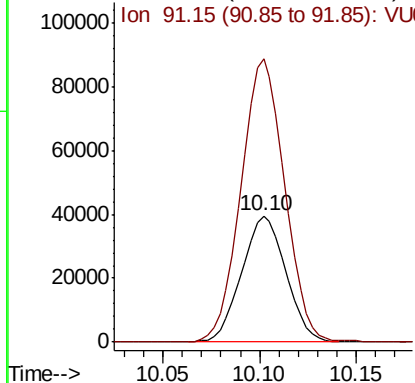
#54
o-Xylene
Concen: 4.791 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039424.D
Acq: 10 Jul 2020 12:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 62832
Ion Ratio Lower Upper
106 100
91 224.3 154.6 287.2

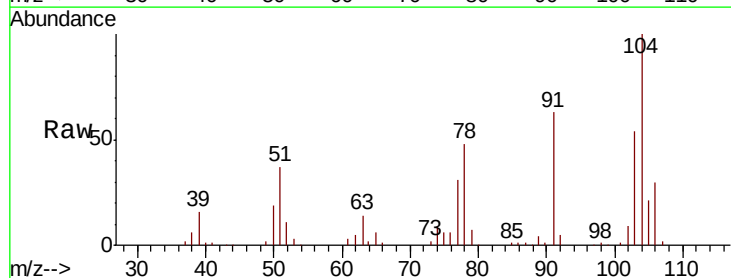


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

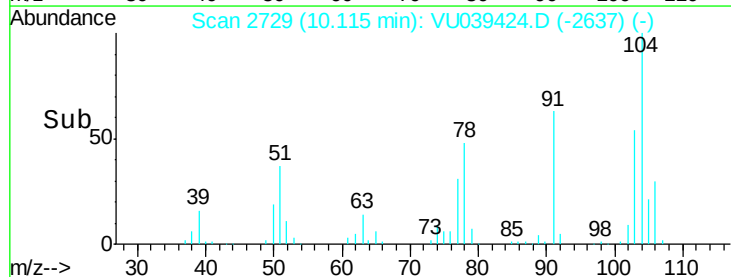
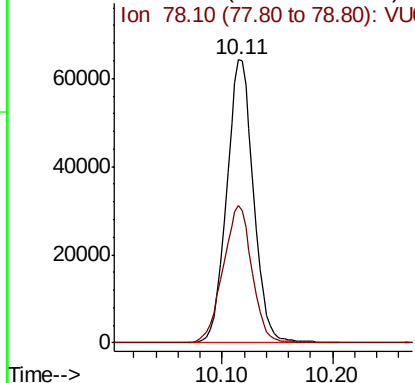


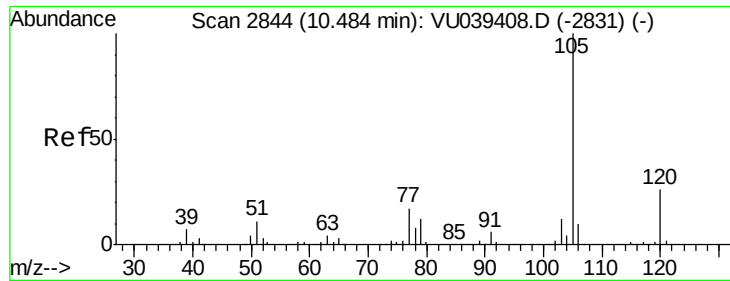
#55
Styrene
Concen: 4.734 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039424.D
Acq: 10 Jul 2020 12:25

Tgt Ion:104 Resp: 108036
Ion Ratio Lower Upper
104 100
78 48.5 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: 4.941 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

Instrument :

MSVOA_U

ClientSampled :

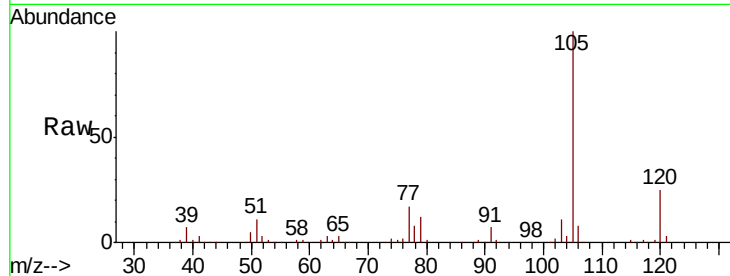
Tot Ion:105 Resp: 175246

Ion Ratio Lower Upper

105 100

120 25.4 20.7 31.1

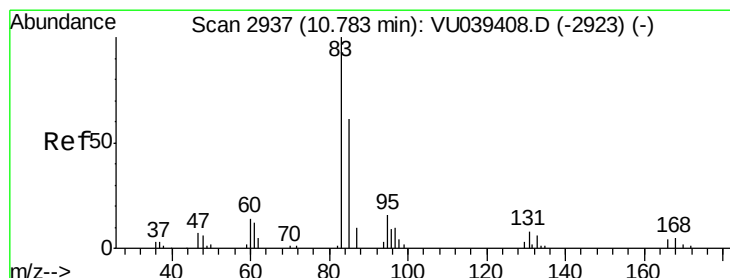
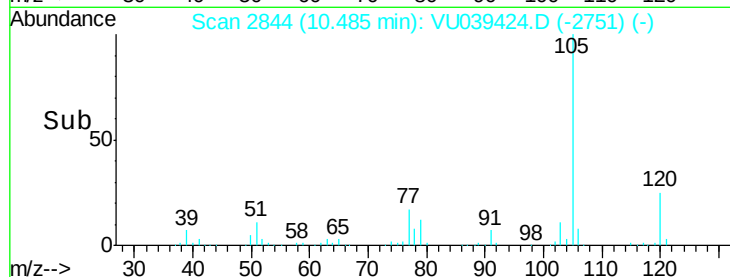
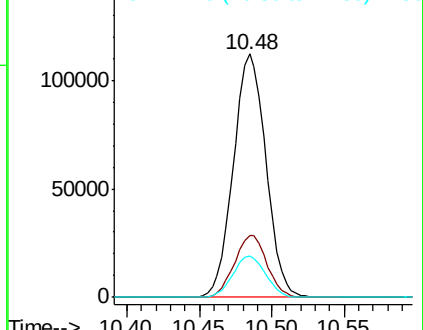
77 17.0 13.9 20.9



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: 4.747 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

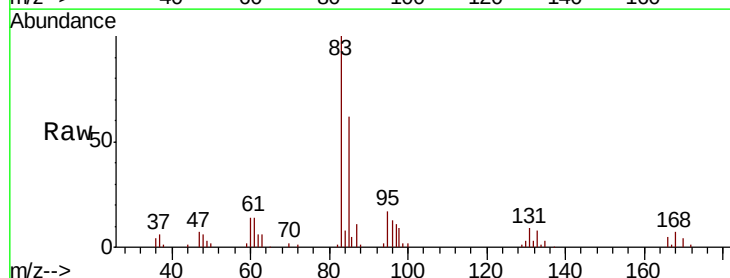
Tgt Ion: 83 Resp: 39086

Ion Ratio Lower Upper

83 100

85 62.3 46.1 85.7

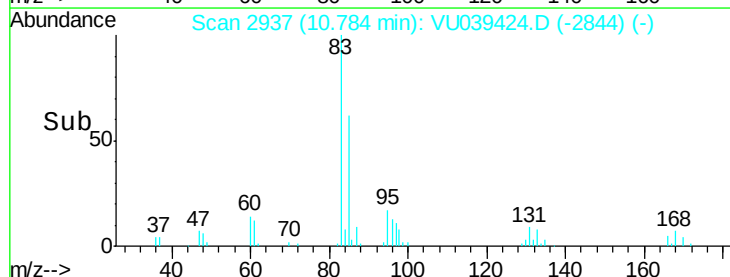
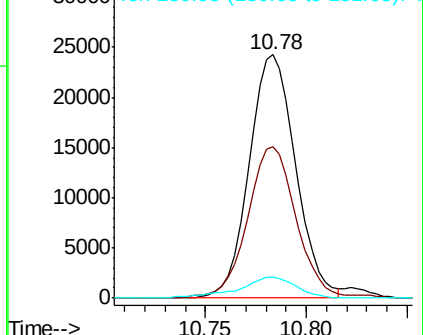
131 8.5 7.4 11.0

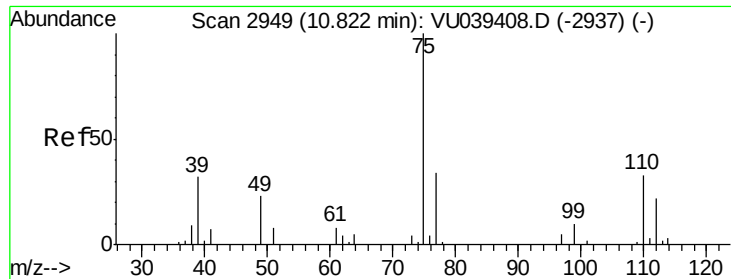


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.721 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

Instrument :

MSVOA_U

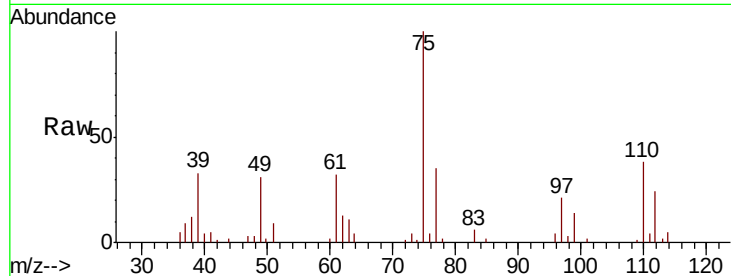
ClientSampleId :

Tot Ion: 75 Resp: 28658

Ion Ratio Lower Upper

75 100

77 32.6 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039408.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039408.D (-2937) (-)

10.82

20000

15000

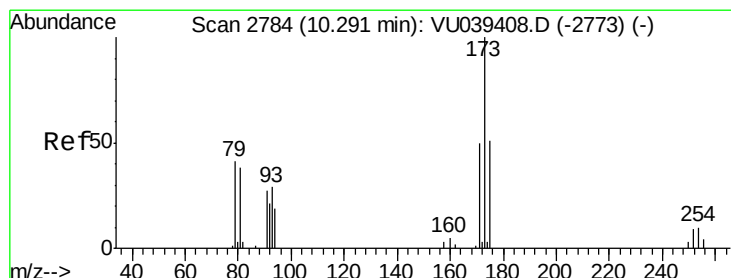
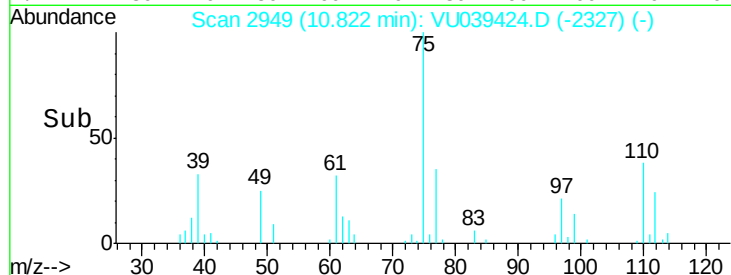
10000

5000

0

Time-->

10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 4.545 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

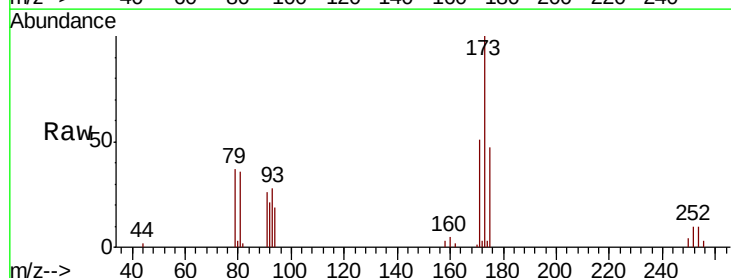
Tgt Ion: 173 Resp: 19513

Ion Ratio Lower Upper

173 100

175 49.1 37.5 56.3

254 9.5 6.7 10.1



Abundance Ion 172.90 (172.60 to 173.60): VU039408.D (-2773) (-)

Ion 174.90 (174.60 to 175.60): VU039408.D (-2773) (-)

Ion 253.75 (253.45 to 254.45): VU039408.D (-2773) (-)

10.29

15000

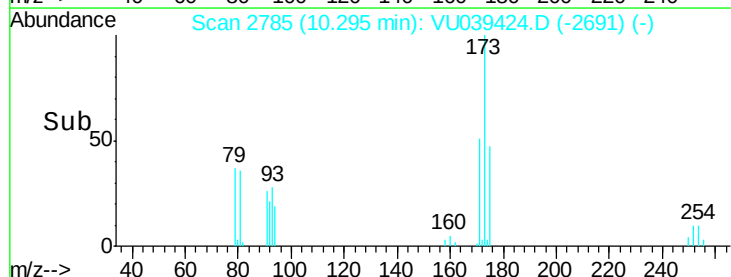
10000

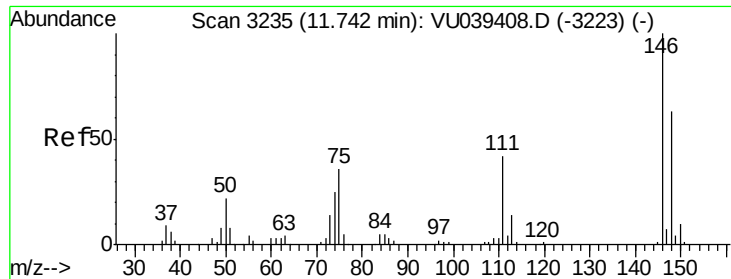
5000

0

Time-->

10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 4.885 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

Instrument :

MSVOA_U

ClientSampleId :

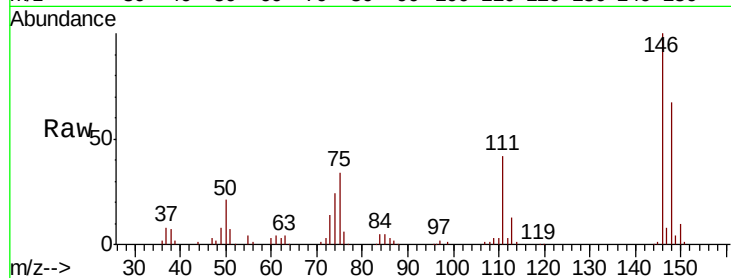
Tot Ion:146 Resp: 77969

Ion Ratio Lower Upper

146 100

111 41.9 29.0 53.8

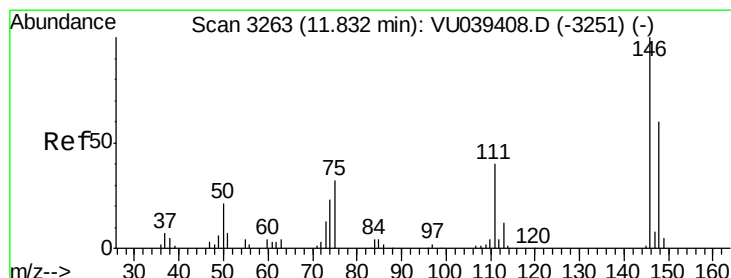
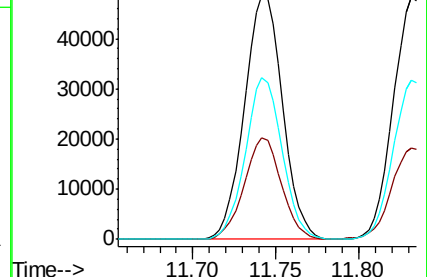
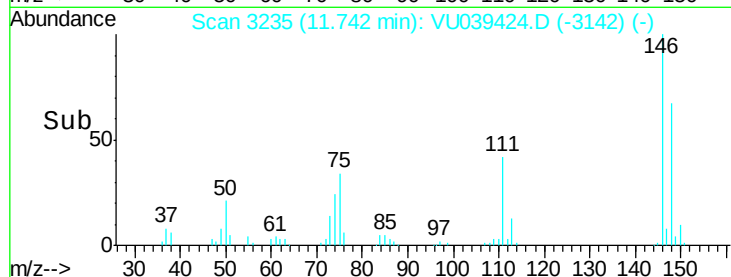
148 66.6 43.5 80.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.867 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

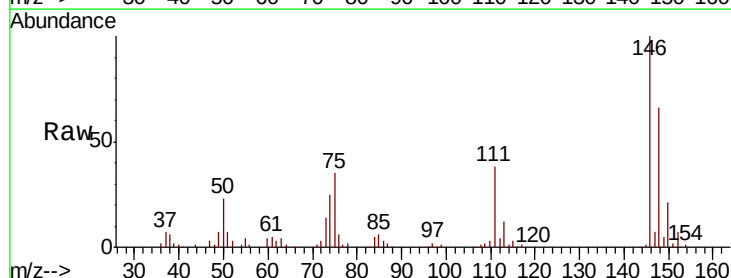
Tgt Ion:146 Resp: 77937

Ion Ratio Lower Upper

146 100

111 37.7 28.6 53.0

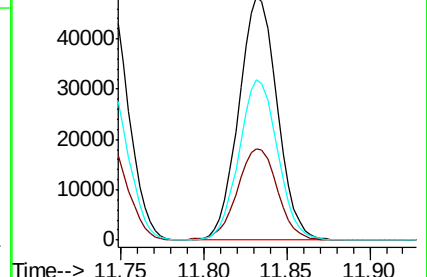
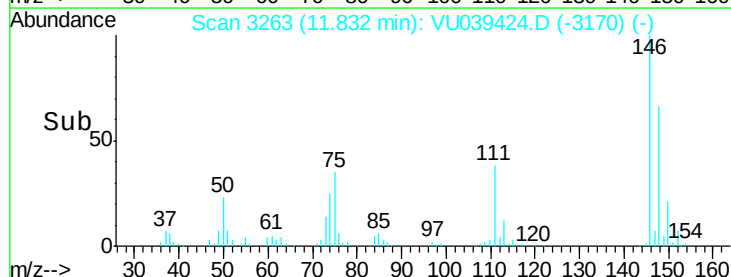
148 65.7 45.0 83.6

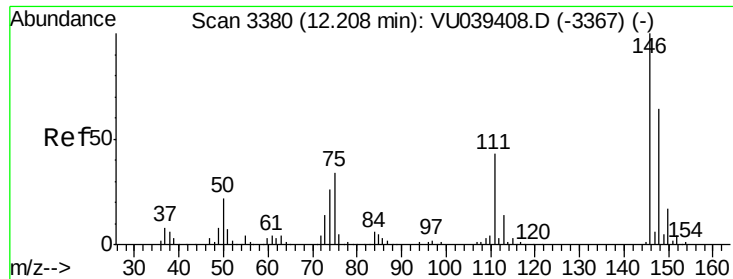


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

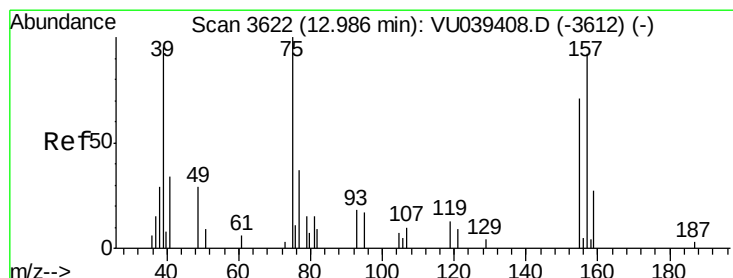
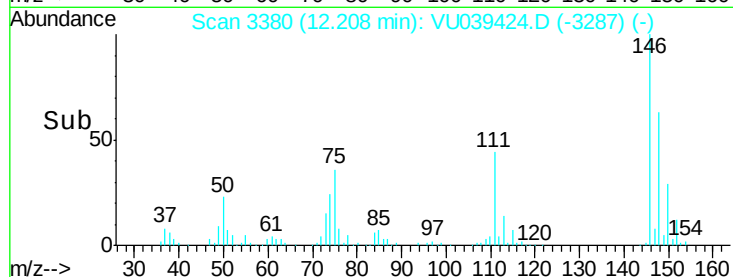
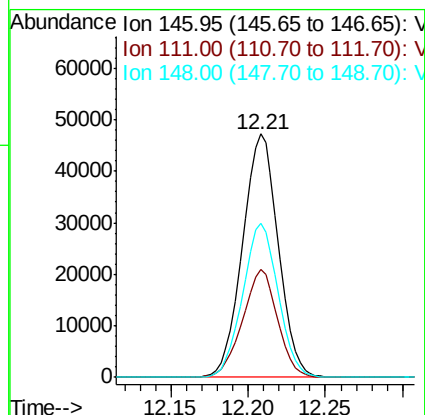
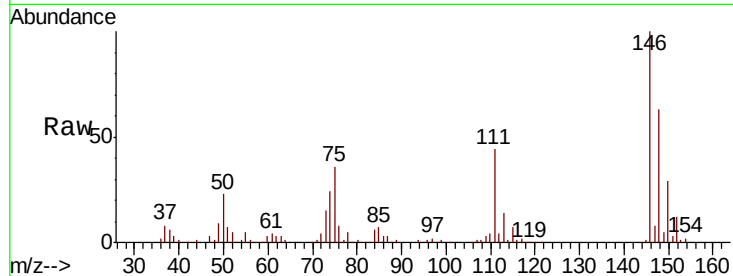




#65
 1,2-Dichlorobenzene
 Concen: 4.735 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

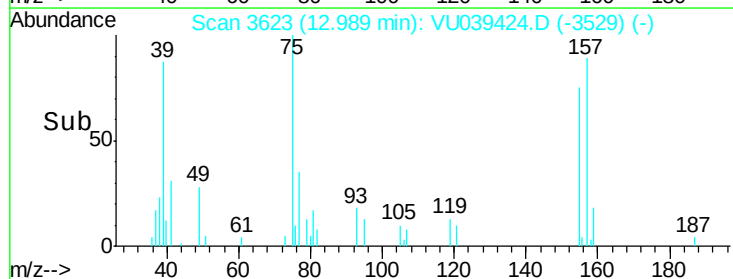
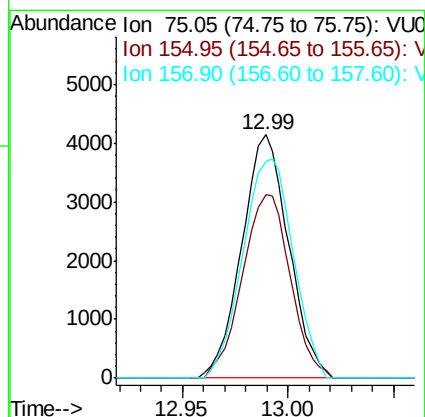
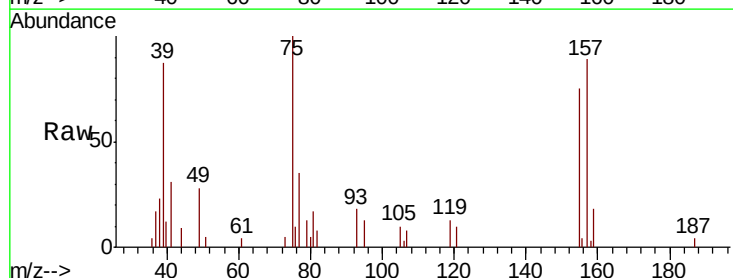
Instrument :
 MSVOA_U
 ClientSampled :

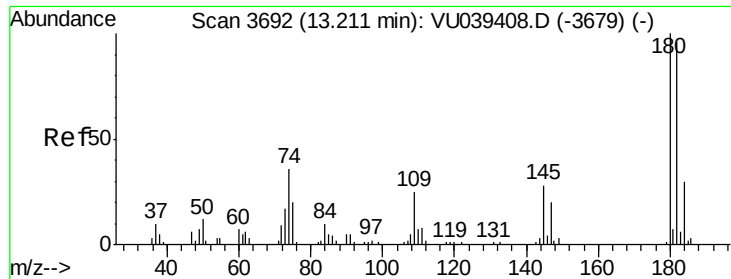
Tot Ion:146 Resp: 75766
 Ion Ratio Lower Upper
 146 100
 111 44.2 35.0 52.4
 148 63.3 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.530 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

Tgt Ion: 75 Resp: 6403
 Ion Ratio Lower Upper
 75 100
 155 75.2 51.9 77.9
 157 89.3 63.2 94.8

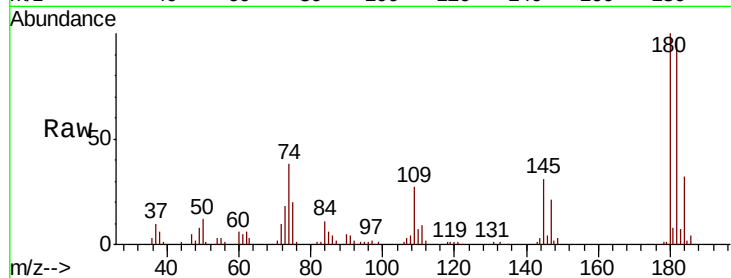




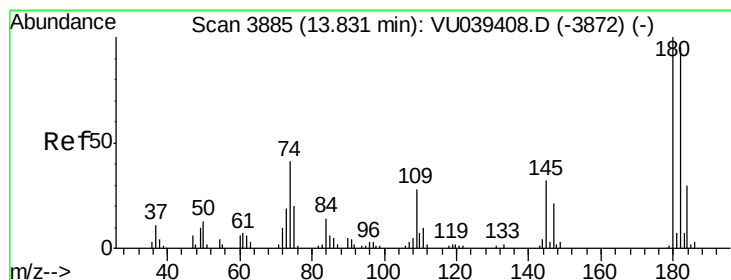
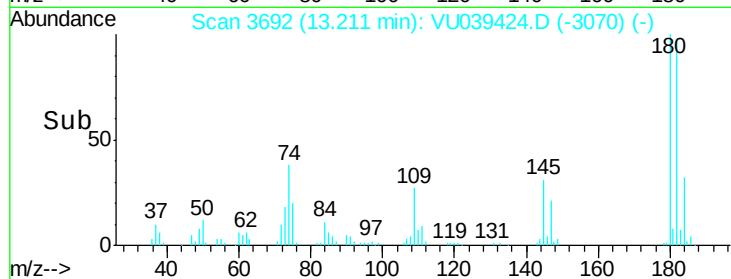
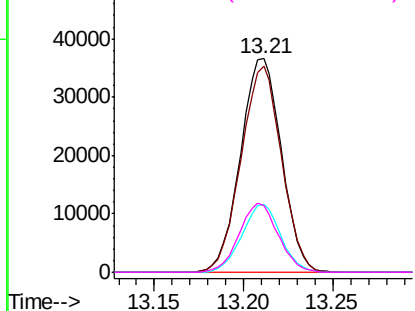
#67
 1,3,5-Trichlorobenzene
 Concen: 4.928 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 58859
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.2 114.4
 184 30.1 24.2 36.4
 145 30.6 24.2 36.2

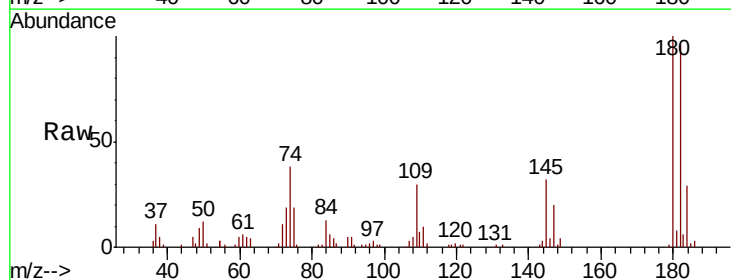


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

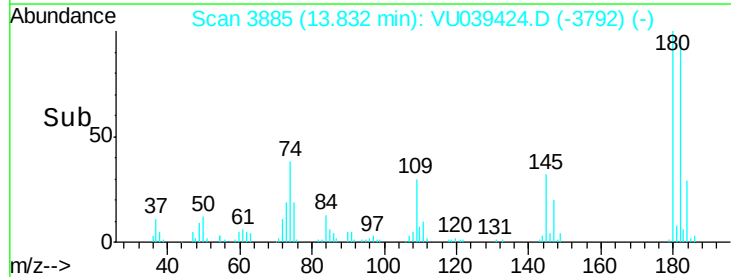
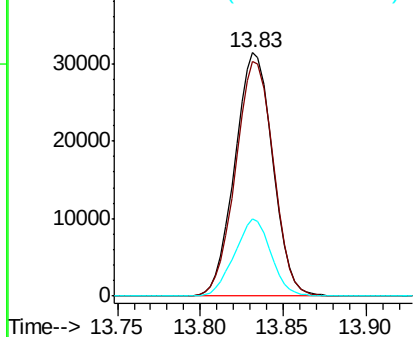


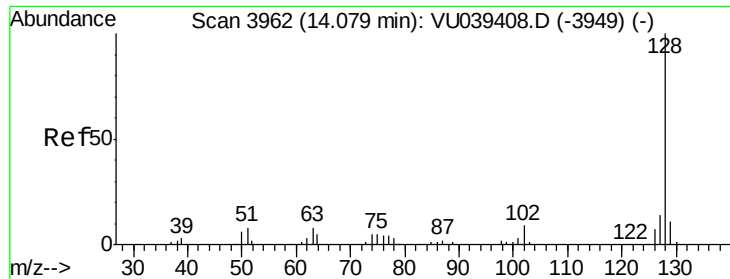
#68
 1,2,4-trichlorobenzene
 Concen: 4.900 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039424.D
 Acq: 10 Jul 2020 12:25

Tgt Ion:180 Resp: 50090
 Ion Ratio Lower Upper
 180 100
 182 96.1 79.4 119.2
 145 30.3 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: 4.280 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

Instrument :

MSVOA_U

ClientSampleId :

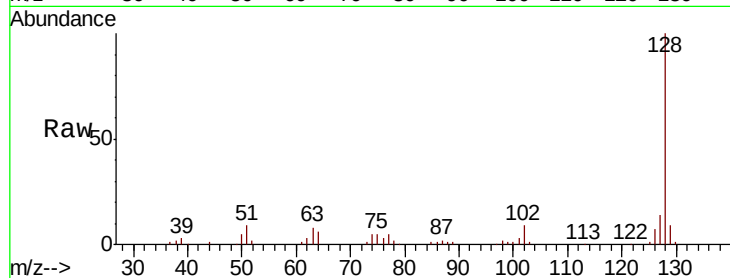
Tot Ion:128 Resp: 88023

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

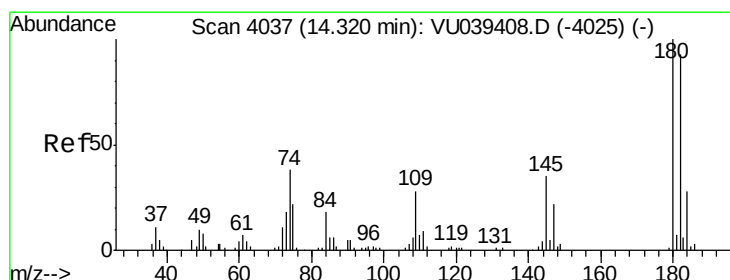
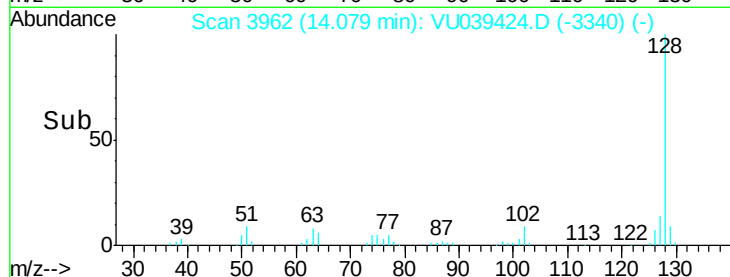
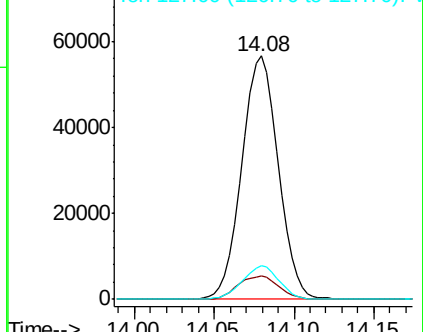
127 14.0 10.4 15.6



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: 4.869 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039424.D

Acq: 10 Jul 2020 12:25

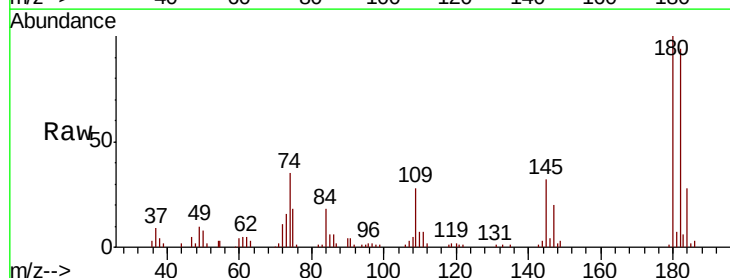
Tgt Ion:180 Resp: 46113

Ion Ratio Lower Upper

180 100

182 93.2 74.2 111.2

145 31.9 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

