

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081420\
 Data File : VU039859.D
 Acq On : 14 Aug 2020 14:20
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 17 05:04:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 14 17:21:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	82244	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	76860	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	41349	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	18470	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.92	69	19312	4.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.40%
11) 1,1-Dichloroethene-d2	2.58	63	40057	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.60%
20) 2-Butanone-d5	4.65	46	86000	44.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.06%
24) Chloroform-d	5.08	84	47312	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	5.72	65	27504	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
32) Benzene-d6	5.74	84	81204	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.70	67	28407	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.90	98	67810	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
43) trans-1,3-Dichloropropene-	8.18	79	11411	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.64	63	62433	48.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.10%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26031	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	32865	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	30784	4.642	ug/L 97
3) Chloromethane	1.53	50	34198	4.903	ug/L 96
5) Vinyl chloride	1.61	62	33962	5.079	ug/L 95
6) Bromomethane	1.86	94	17500	4.136	ug/L 97
8) Chloroethane	1.94	64	20981	4.279	ug/L 98
9) Trichlorofluoromethane	2.15	101	49996	4.808	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	27970	4.957	ug/L 96
12) 1,1-Dichloroethene	2.59	96	24894	5.074	ug/L 92
13) Acetone	2.66	43	53634	46.576	ug/L 97
14) Carbon disulfide	2.80	76	82922	5.406	ug/L 98
15) Methyl Acetate	2.97	43	13696	4.822	ug/L 98
16) Methylene chloride	3.06	84	34520	4.364	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	63067	4.841	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	27058	4.954	ug/L 96
19) 1,1-Dichloroethane	3.89	63	47308	4.692	ug/L 97
21) 2-Butanone	4.73	43	86003	47.392	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	28077	4.726	ug/L 100

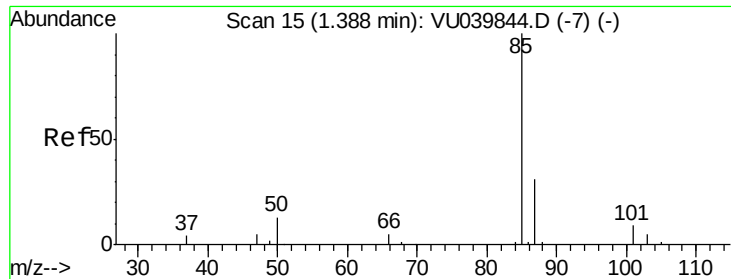
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081420\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 14 17:21:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	13183	4.725	ug/L	77
25) Chloroform	5.11	83	50302	4.641	ug/L	94
27) 1,2-Dichloroethane	5.81	62	35330	4.730	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	44272	5.164	ug/L	95
30) Cyclohexane	5.40	56	44099	5.345	ug/L	96
31) Carbon tetrachloride	5.54	117	39060	4.965	ug/L	98
33) Benzene	5.79	78	108038	5.159	ug/L	100
34) Trichloroethene	6.55	95	27004	4.965	ug/L	97
35) Methylcyclohexane	6.77	83	45576	5.250	ug/L	96
37) 1,2-Dichloropropane	6.80	63	27815	5.001	ug/L	99
38) Bromodichloromethane	7.11	83	35677	4.903	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	39861	5.255	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	201098	48.382	ug/L	99
42) Toluene	7.97	91	110636	5.027	ug/L	96
44) trans-1,3-Dichloropropene	8.21	75	36498	5.341	ug/L #	83
45) 1,1,2-Trichloroethane	8.40	97	19977	4.775	ug/L	88
47) Tetrachloroethene	8.56	164	22060	4.917	ug/L	94
48) 2-Hexanone	8.69	43	145998	48.643	ug/L	99
49) Dibromochloromethane	8.81	129	24432	4.759	ug/L	94
50) 1,2-Dibromoethane	8.93	107	19793	4.825	ug/L	99
51) Chlorobenzene	9.45	112	71833	4.858	ug/L	98
52) Ethylbenzene	9.57	91	121509	4.933	ug/L	97
53) m,p-Xylene	9.69	106	47303	5.043	ug/L	93
54) o-Xylene	10.10	106	45878	4.995	ug/L	97
55) Styrene	10.11	104	78195	5.056	ug/L	99
56) Isopropylbenzene	10.48	105	119730	4.878	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	26041	4.524	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	18109	4.514	ug/L	95
61) Bromoform	10.29	173	13513	4.837	ug/L	94
62) 1,3-Dichlorobenzene	11.74	146	60622	5.009	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	62074	4.866	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	58045	4.868	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	4631	5.138	ug/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	46321	5.050	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	41287	5.372	ug/L	96
69) Naphthalene	14.08	128	76036	5.533	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	39610	5.744	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.642 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

Instrument :

MSVOA_U

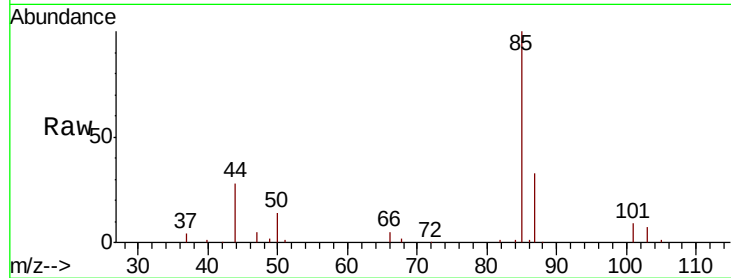
ClientSampleId :

Tot Ion: 85 Resp: 30784

Ion Ratio Lower Upper

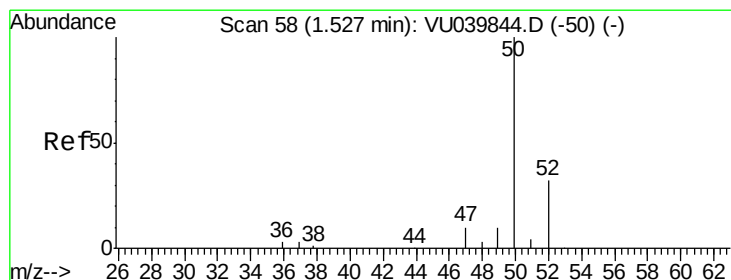
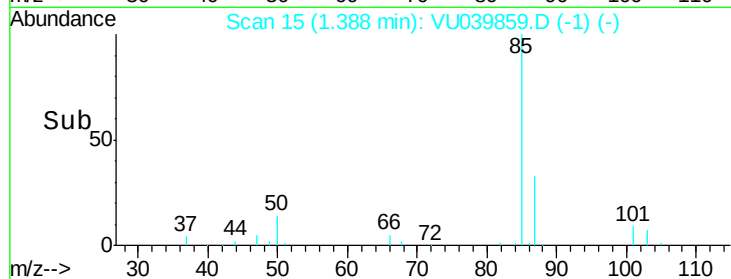
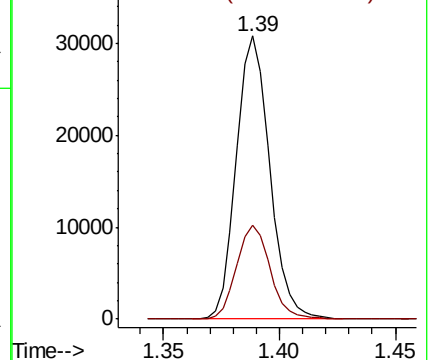
85 100

87 33.2 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.903 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039859.D

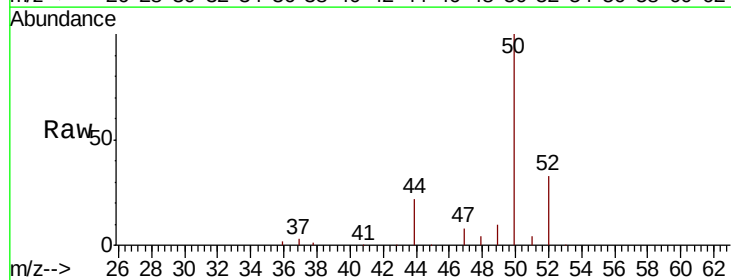
Acq: 14 Aug 2020 14:20

Tgt Ion: 50 Resp: 34198

Ion Ratio Lower Upper

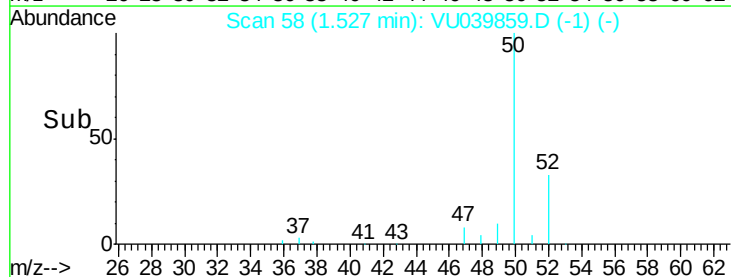
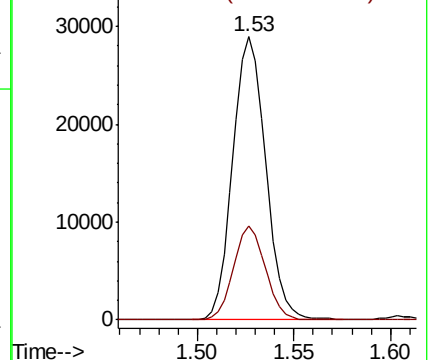
50 100

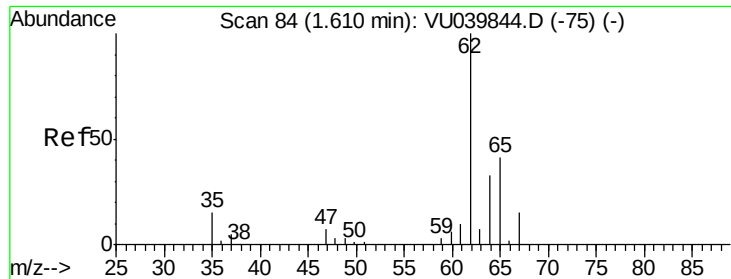
52 33.1 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.079 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

Instrument :

MSVOA_U

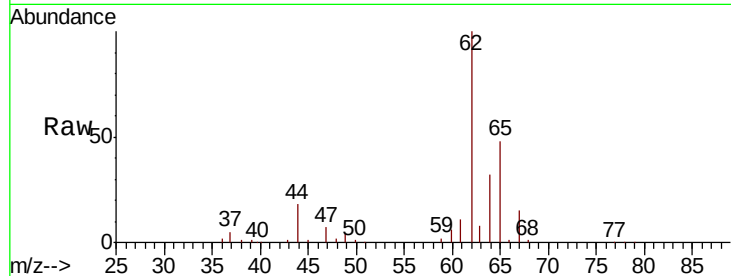
ClientSampleId :

Tot Ion: 62 Resp: 33962

Ion Ratio Lower Upper

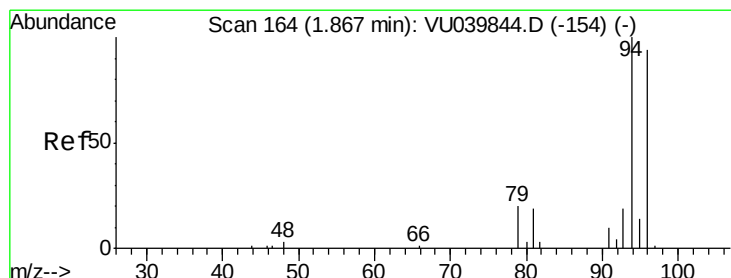
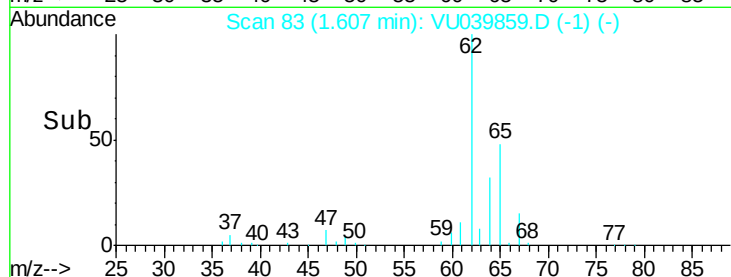
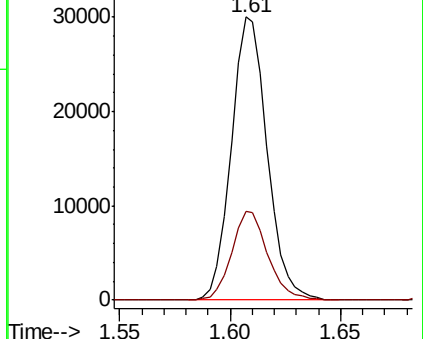
62 100

64 31.6 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.136 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039859.D

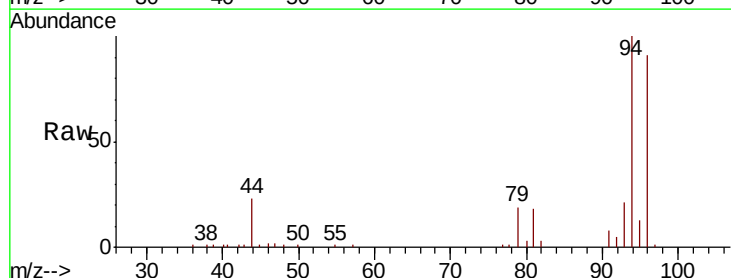
Acq: 14 Aug 2020 14:20

Tgt Ion: 94 Resp: 17500

Ion Ratio Lower Upper

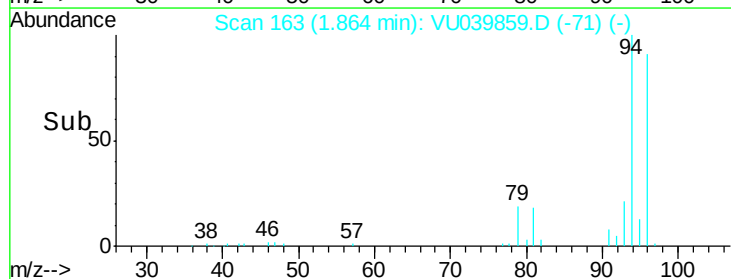
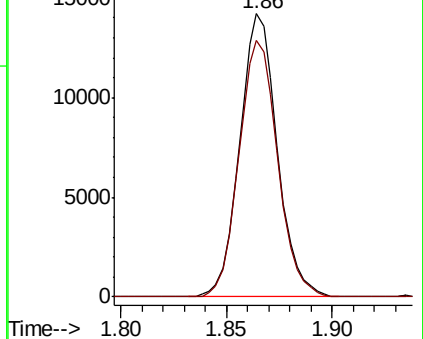
94 100

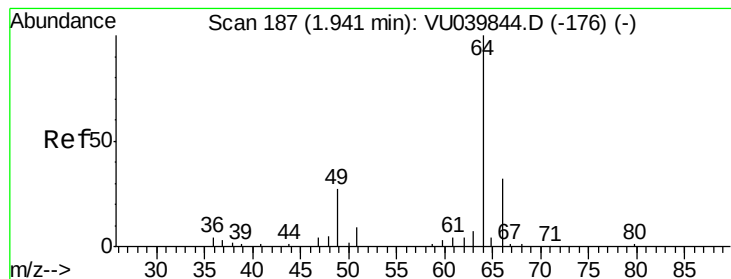
96 90.8 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.279 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

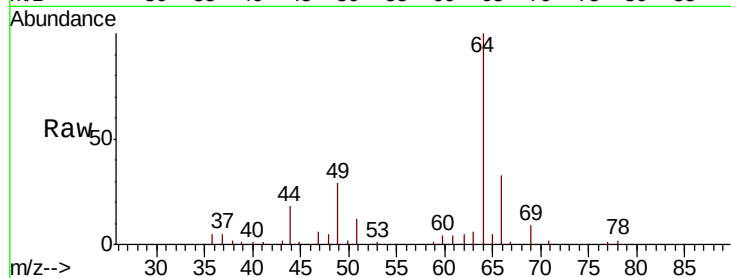
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 64 Resp: 20981

Ion Ratio Lower Upper

64 100

66 32.8 22.3 41.3



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

Ion 66.05 (65.75 to 66.75): VU039844.D (-176) (-)

1.94

15000

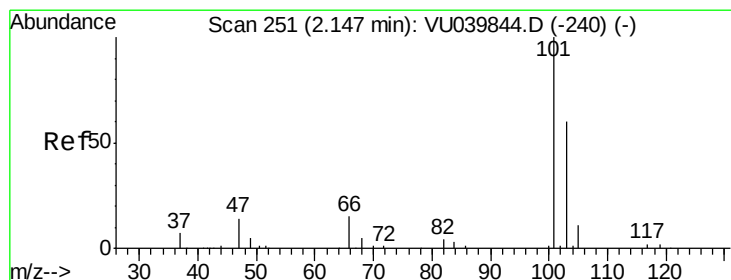
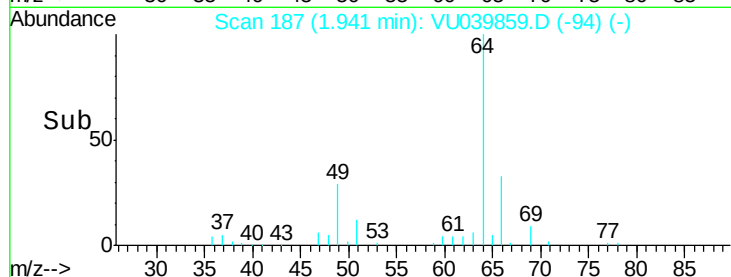
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5000

0

Time-->

1.90 1.95 2.00



#9

Trichlorofluoromethane

Concen: 4.808 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU039859.D

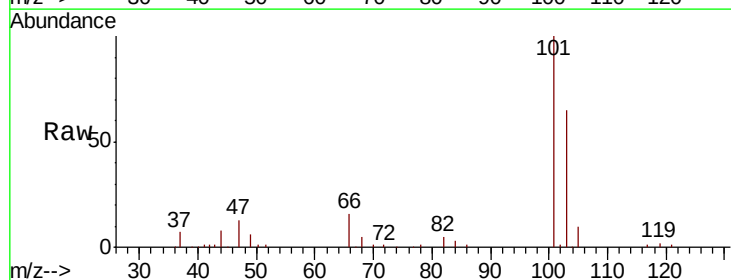
Acq: 14 Aug 2020 14:20

Tgt Ion:101 Resp: 49996

Ion Ratio Lower Upper

101 100

103 66.3 51.4 77.2



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

Ion 103.00 (102.70 to 103.70): VU039844.D (-240) (-)

2.15

40000

30000

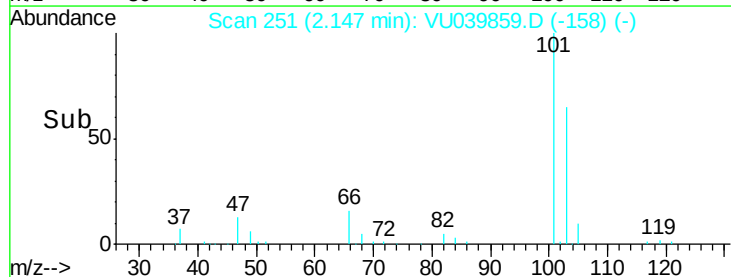
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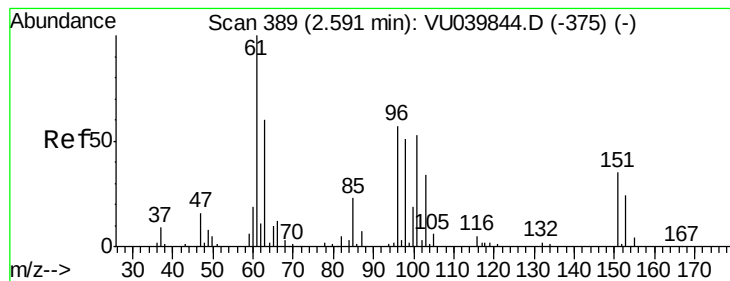
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Time-->

2.10 2.15 2.20





#10

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

Concen: 4.957 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

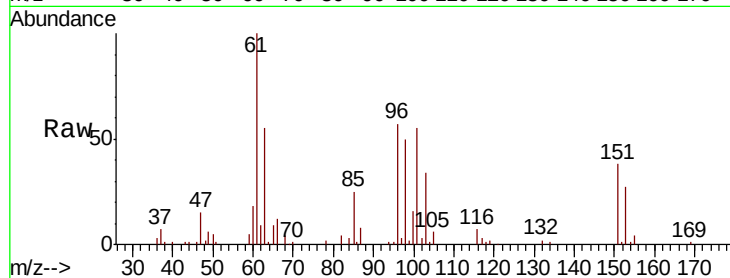
Tot Ion:101 Resp: 27970

Ion Ratio Lower Upper

101 100

85 44.8 37.9 56.9

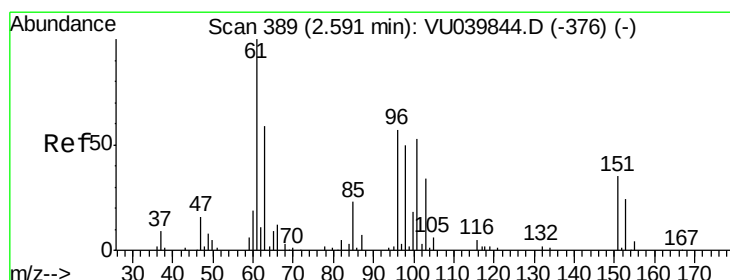
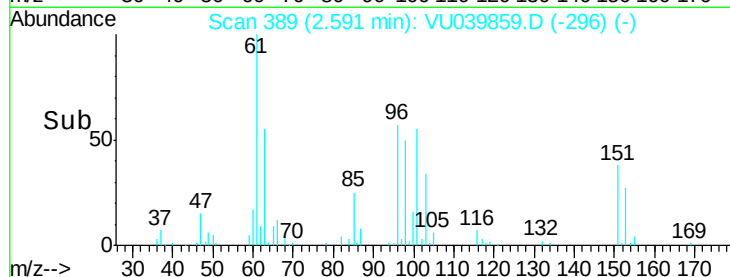
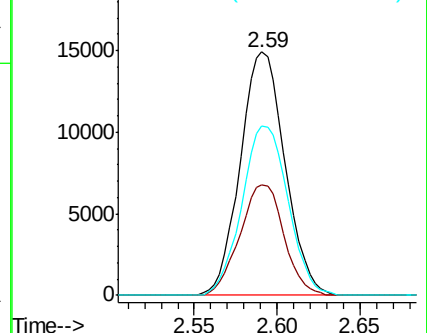
151 72.0 54.7 82.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.074 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

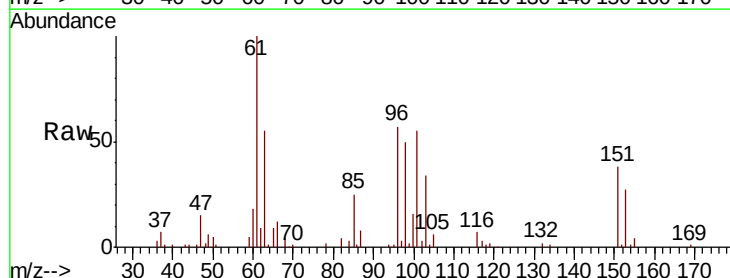
Tgt Ion: 96 Resp: 24894

Ion Ratio Lower Upper

96 100

61 175.7 121.7 225.9

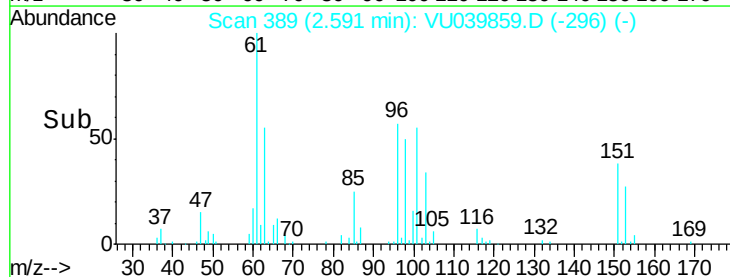
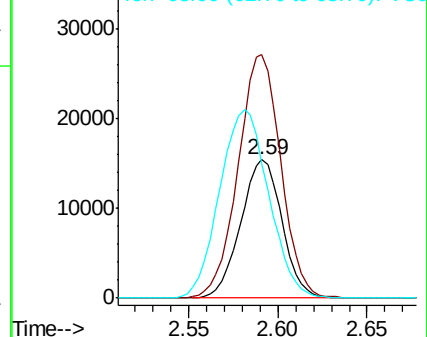
63 97.5 82.1 152.5

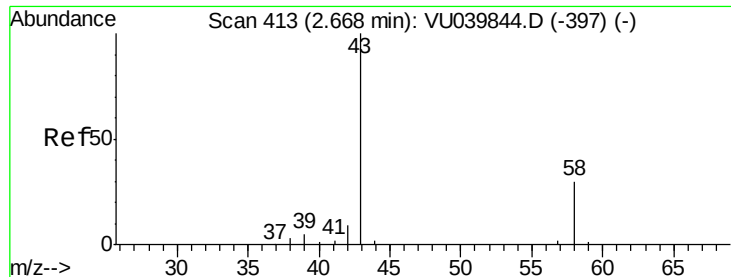


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.576 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

Instrument :

MSVOA_U

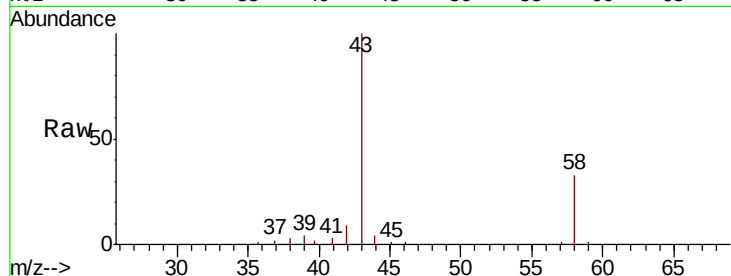
ClientSampleId :

Tot Ion: 43 Resp: 53634

Ion Ratio Lower Upper

43 100

58 32.4 0.0 61.8



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

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

2.66

15000

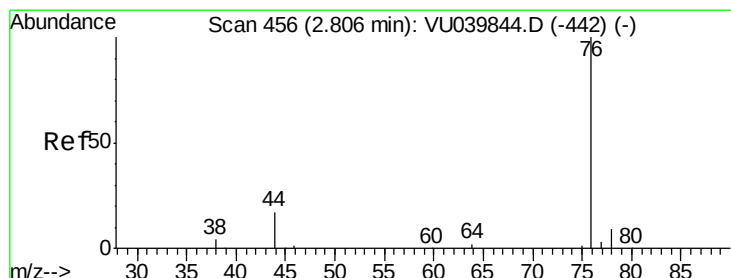
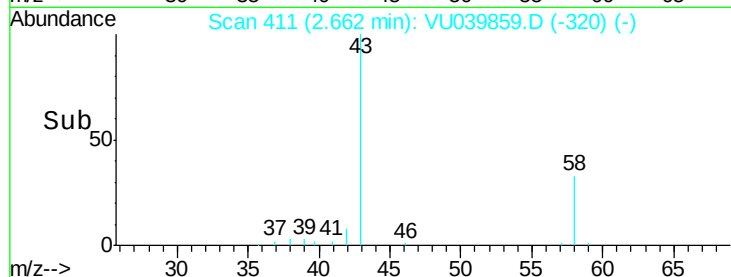
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5000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 5.406 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU039859.D

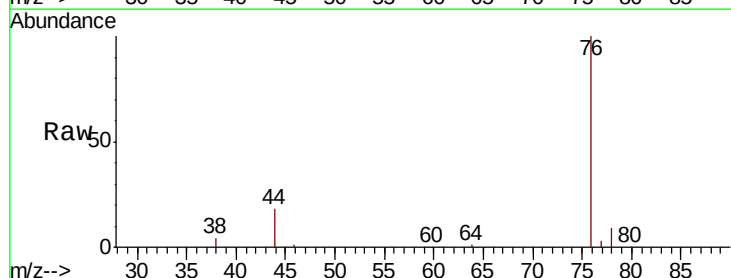
Acq: 14 Aug 2020 14:20

Tgt Ion: 76 Resp: 82922

Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.6



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

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

2.80

50000

40000

30000

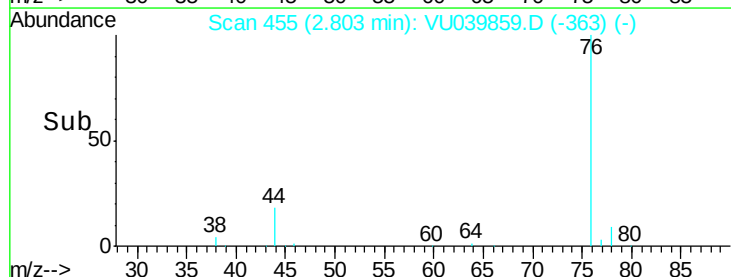
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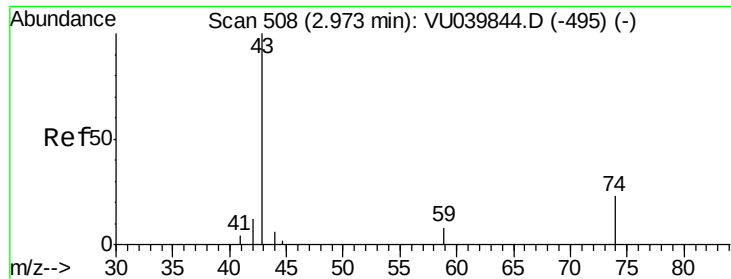
10000

0

Time-->

2.75 2.80 2.85

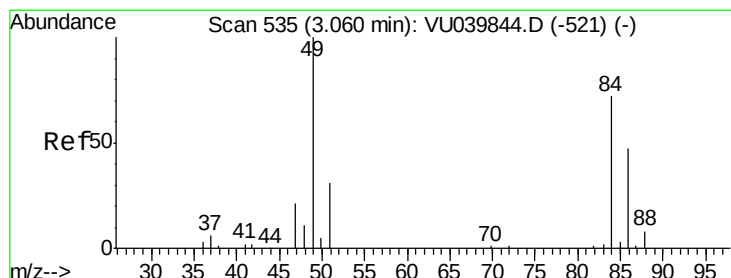
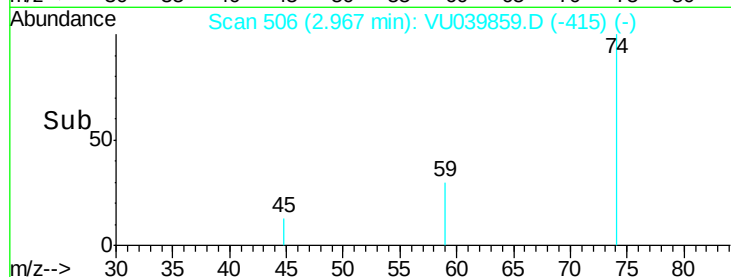
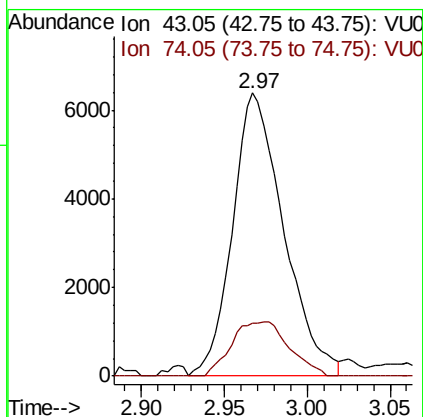
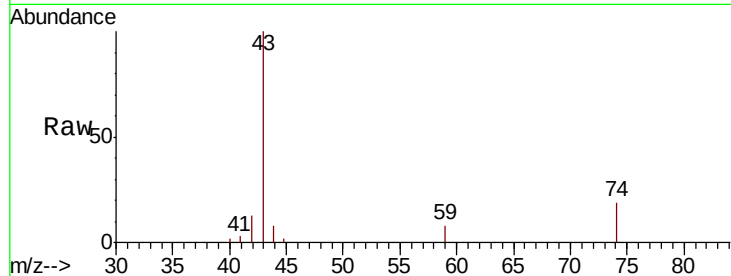




#15
Methvl Acetate
Concen: 4.822 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.01 min
Lab File: VU039859.D
Acq: 14 Aug 2020 14:20

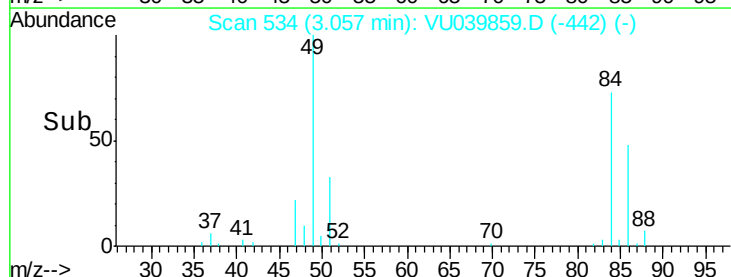
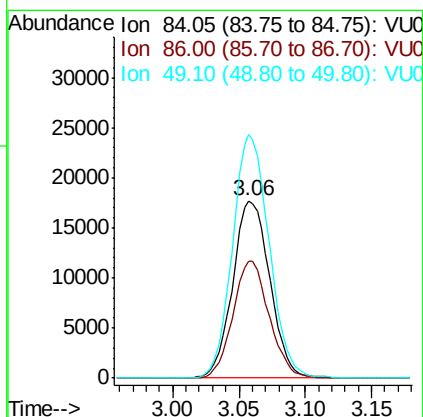
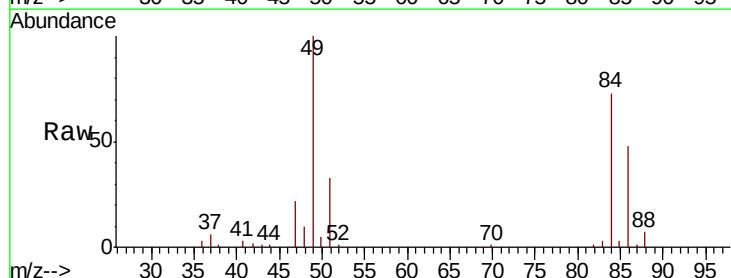
Instrument :
MSVOA_U
ClientSampleId :

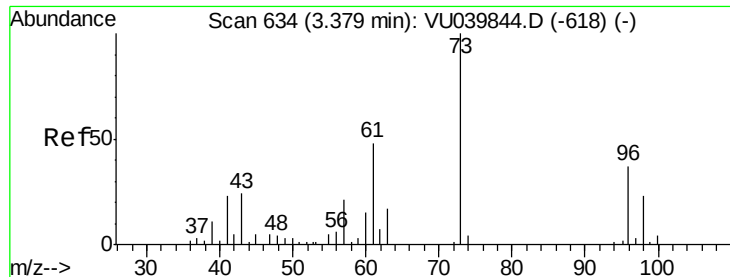
Tot Ion: 43 Resp: 13696
Ion Ratio Lower Upper
43 100
74 21.6 16.6 25.0



#16
Methylene chloride
Concen: 4.364 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU039859.D
Acq: 14 Aug 2020 14:20

Tgt Ion: 84 Resp: 34520
Ion Ratio Lower Upper
84 100
86 65.8 43.9 81.5
49 137.3 94.4 175.4

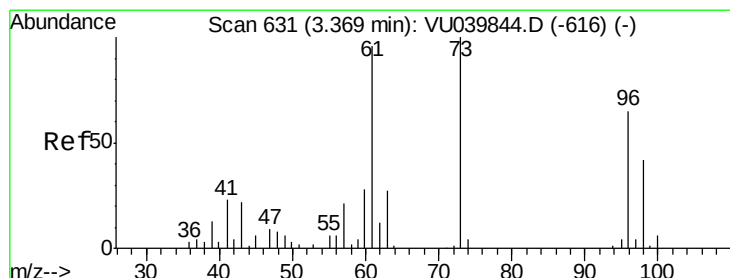
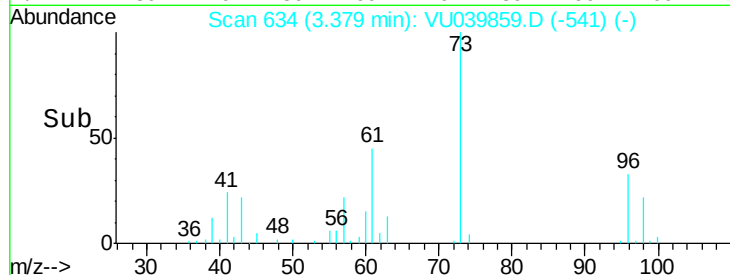
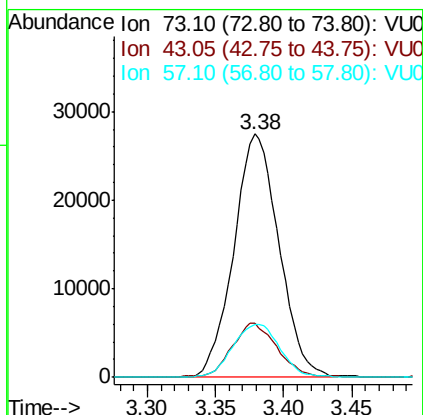
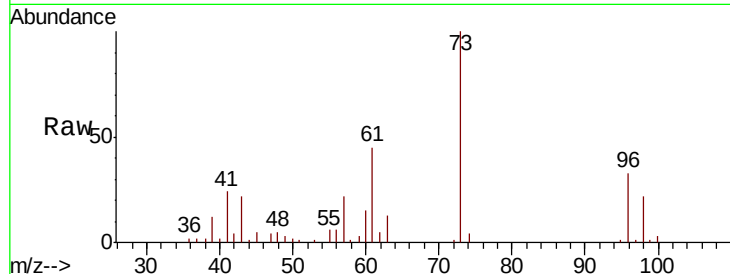




#17
Methyl tert-butyl Ether
Concen: 4.841 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU039859.D
Acq: 14 Aug 2020 14:20

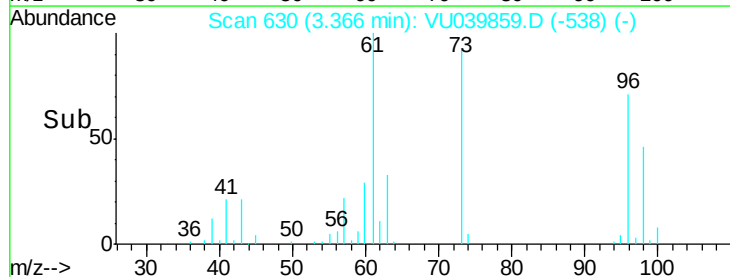
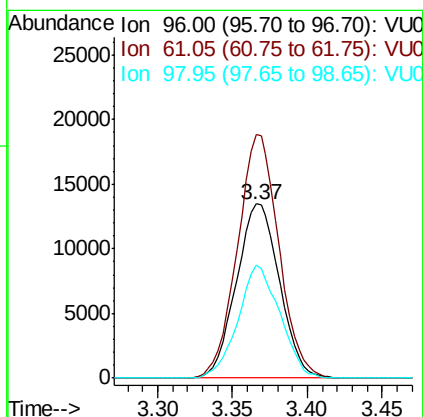
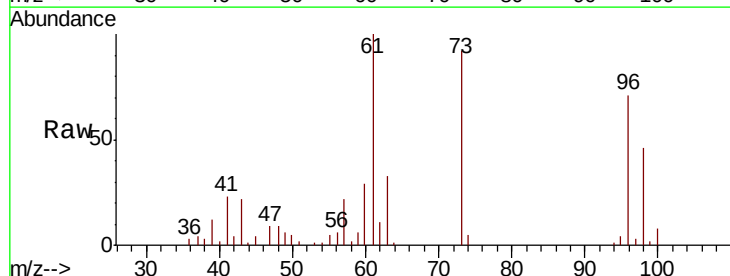
Instrument :
MSVOA_U
ClientSampleId :

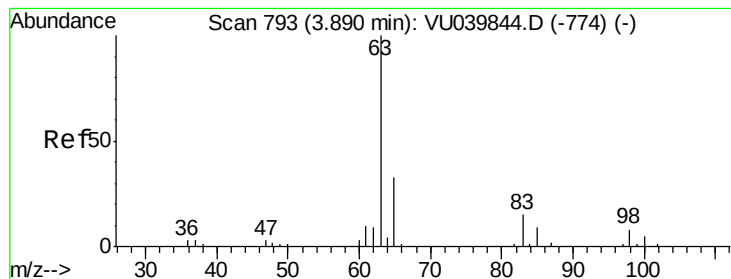
Tot Ion: 73 Resp: 63067
Ion Ratio Lower Upper
73 100
43 22.4 18.2 27.4
57 22.9 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.954 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU039859.D
Acq: 14 Aug 2020 14:20

Tgt Ion: 96 Resp: 27058
Ion Ratio Lower Upper
96 100
61 140.0 96.5 179.1
98 64.7 40.9 76.0





#19

1,1-Dichloroethane

Concen: 4.692 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

Instrument :

MSVOA_U

ClientSampled :

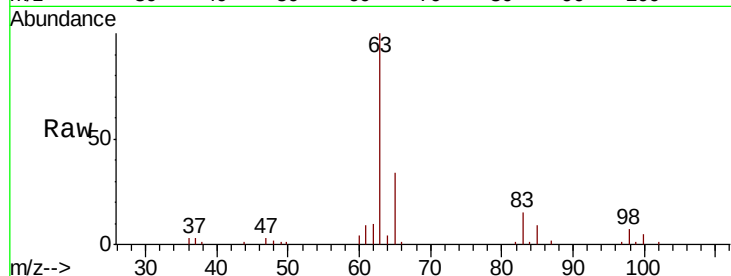
Tot Ion: 63 Resp: 47308

Ion Ratio Lower Upper

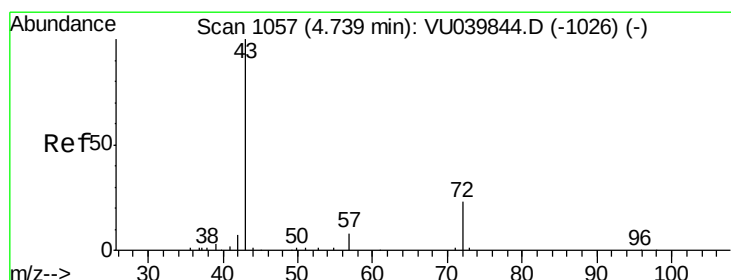
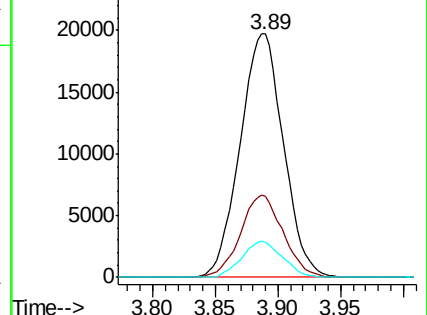
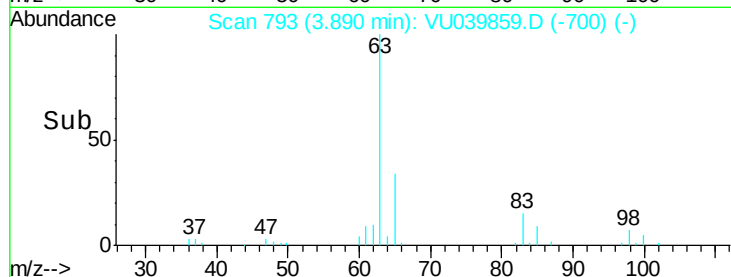
63 100

65 33.5 22.0 41.0

83 14.5 10.9 20.2



Abundance Ion 63.10 (62.80 to 63.80): VU039844.D (-774) (-)



#21

2-Butanone

Concen: 47.392 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VU039859.D

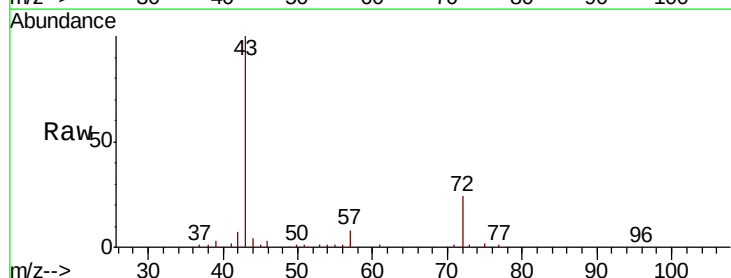
Acq: 14 Aug 2020 14:20

Tgt Ion: 43 Resp: 86003

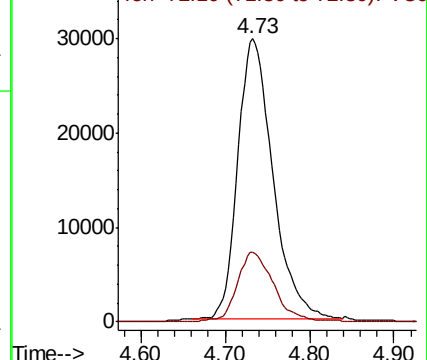
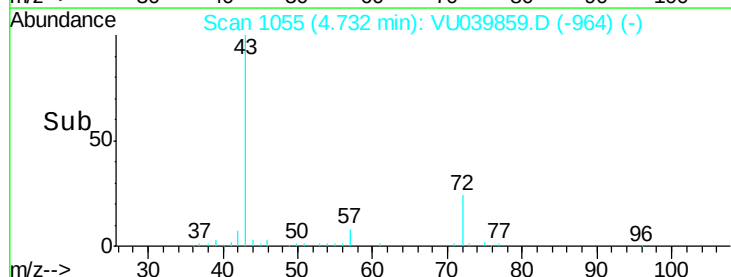
Ion Ratio Lower Upper

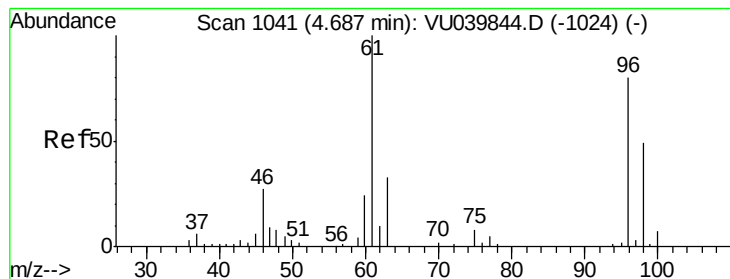
43 100

72 25.9 13.0 39.0



Abundance Ion 43.05 (42.75 to 43.75): VU039844.D (-1026) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.726 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

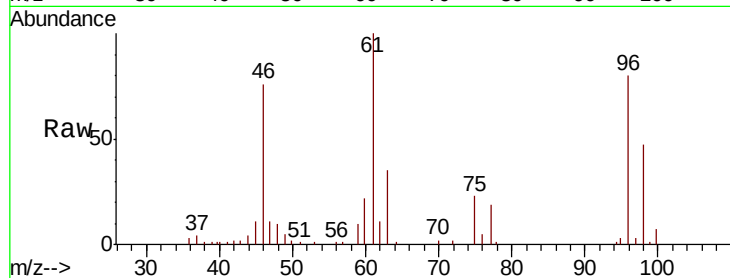
Tot Ion: 96 Resp: 28077

Ion Ratio Lower Upper

96 100

61 125.3 87.4 162.2

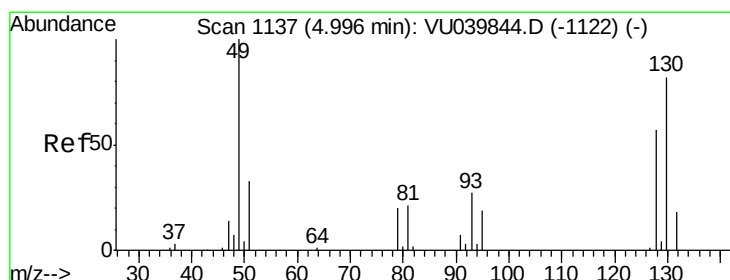
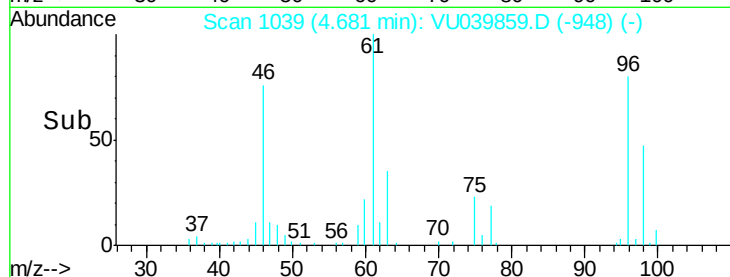
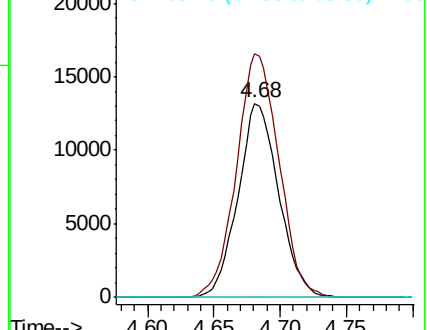
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039844.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU039844.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU039844.D (-1024) (-)



#23

Bromochloromethane

Concen: 4.725 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

Tgt Ion: 128 Resp: 13183

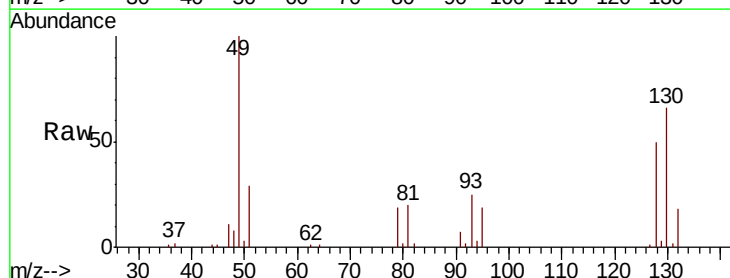
Ion Ratio Lower Upper

128 100

49 200.9 110.3 204.9

130 133.0 82.0 152.4

51 59.2 40.8 61.2

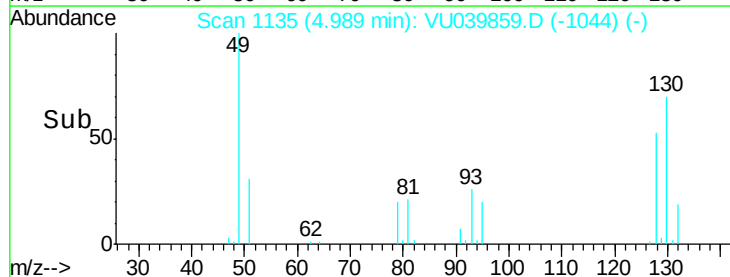
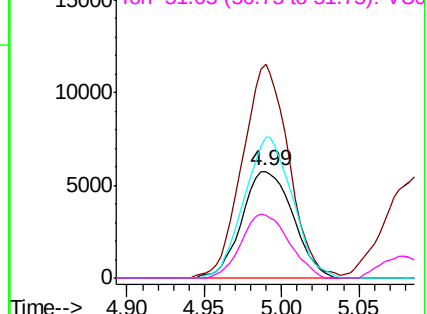


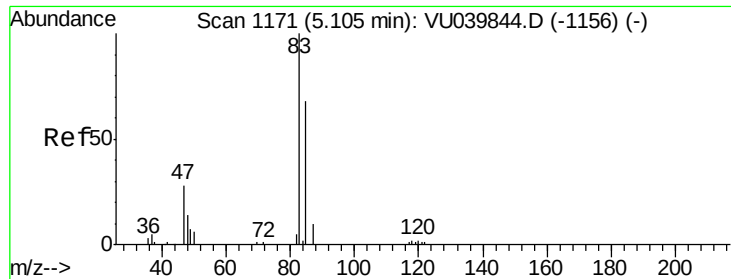
Abundance Ion 127.90 (127.60 to 128.60): VU039844.D (-1122) (-)

Ion 49.10 (48.80 to 49.80): VU039844.D (-1122) (-)

Ion 129.95 (129.65 to 130.65): VU039844.D (-1122) (-)

Ion 51.05 (50.75 to 51.75): VU039844.D (-1122) (-)

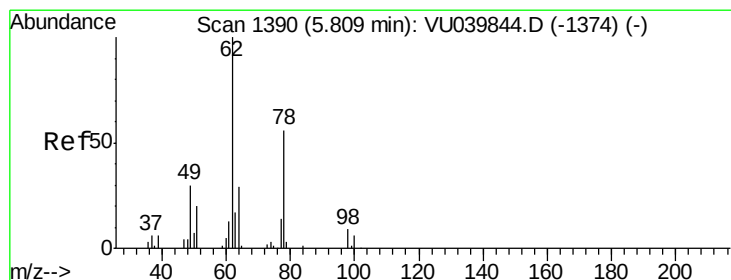
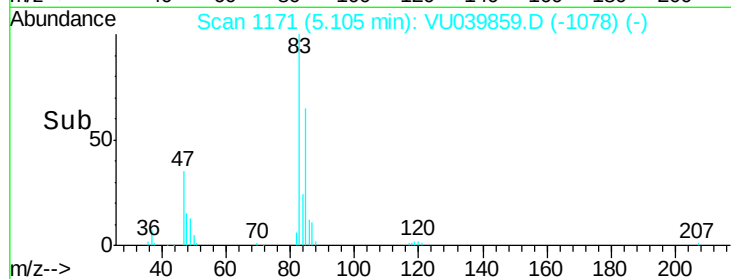
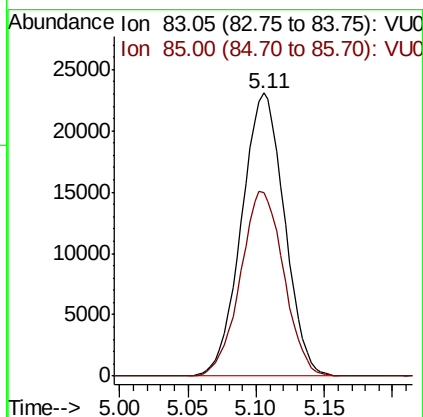
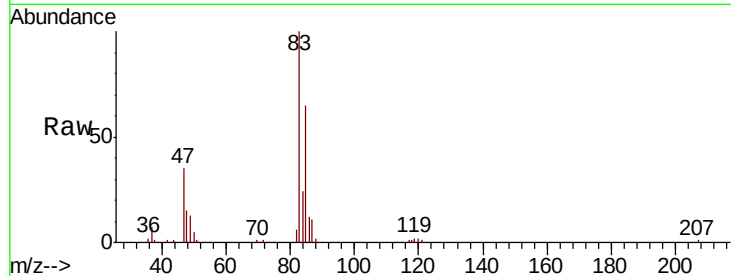




#25
Chloroform
Concen: 4.641 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU039859.D
Acq: 14 Aug 2020 14:20

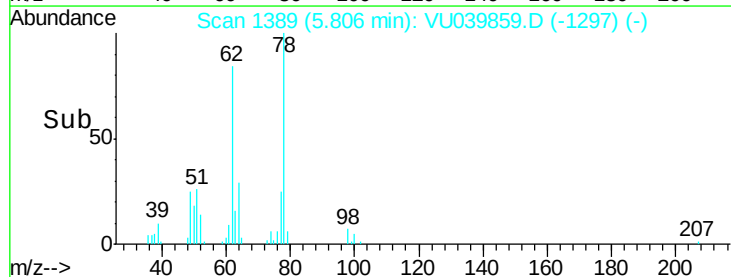
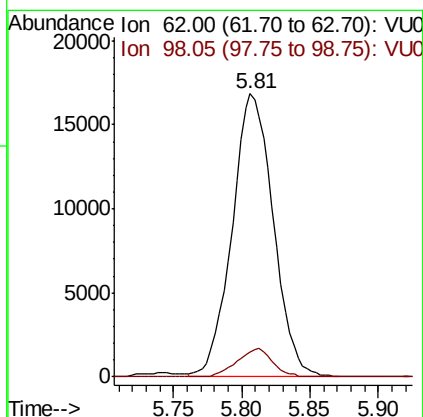
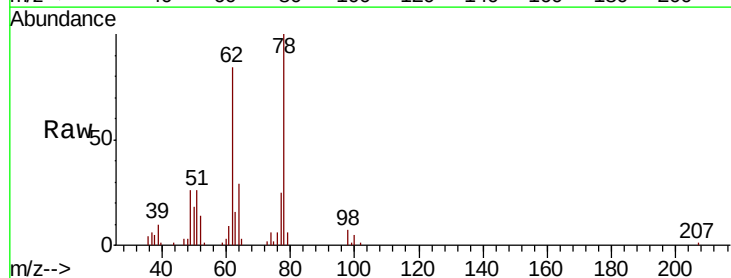
Instrument :
MSVOA_U
ClientSampled :

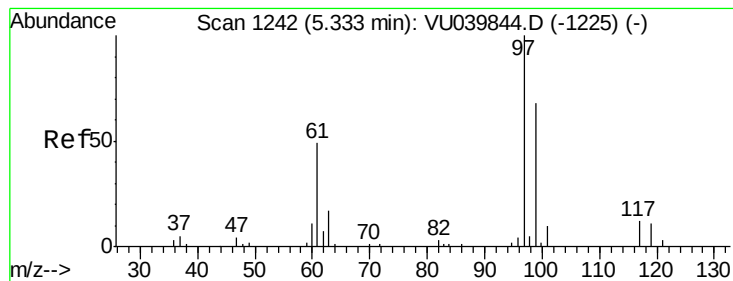
Tot Ion: 83 Resp: 50302
Ion Ratio Lower Upper
83 100
85 64.7 42.1 78.3



#27
1,2-Dichloroethane
Concen: 4.730 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU039859.D
Acq: 14 Aug 2020 14:20

Tgt Ion: 62 Resp: 35330
Ion Ratio Lower Upper
62 100
98 8.8 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 5.164 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

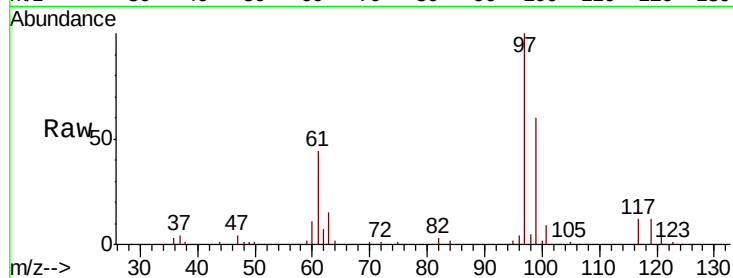
Tot Ion: 97 Resp: 44272

Ion Ratio Lower Upper

97 100

99 63.3 52.8 79.2

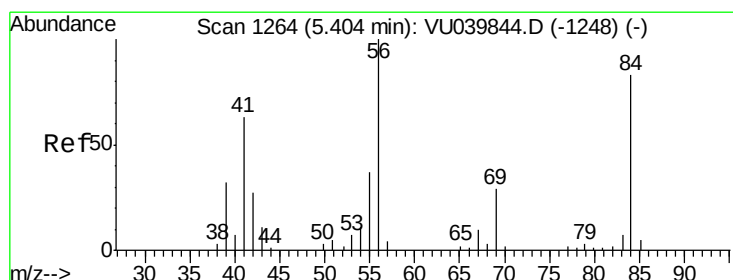
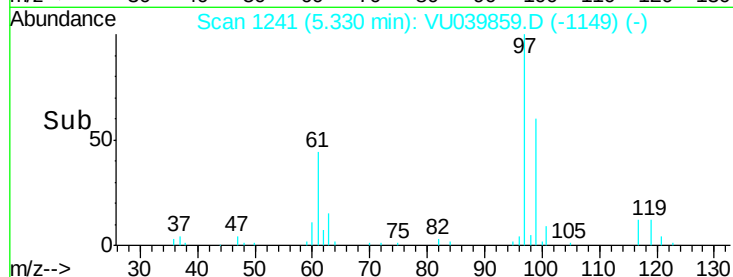
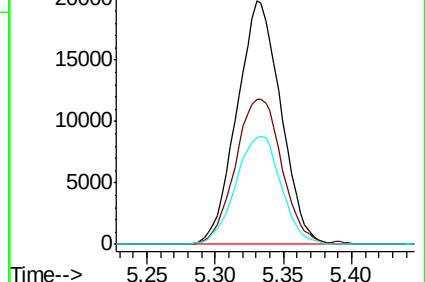
61 46.0 40.5 60.7



Abundance Ion 96.95 (96.65 to 97.65): VU039844.D (-1225) (-)

Ion 99.05 (98.75 to 99.75): VU039844.D (-1225) (-)

Ion 61.05 (60.75 to 61.75): VU039844.D (-1225) (-)



#30

Cyclohexane

Concen: 5.345 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

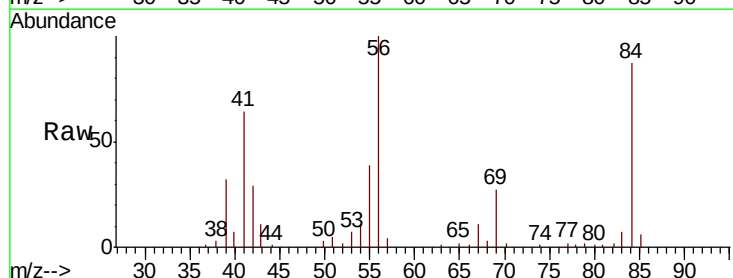
Tgt Ion: 56 Resp: 44099

Ion Ratio Lower Upper

56 100

69 29.3 24.4 36.6

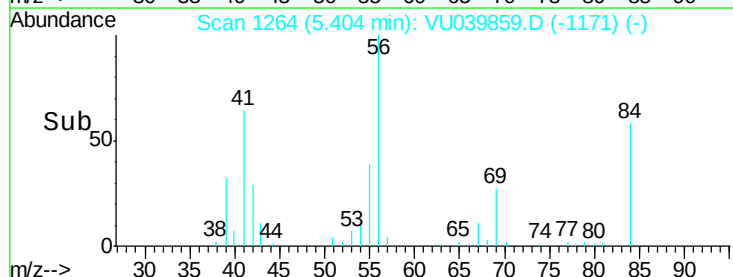
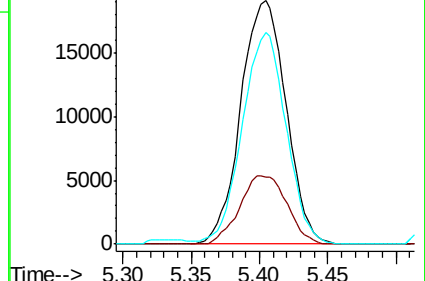
84 84.3 71.3 106.9

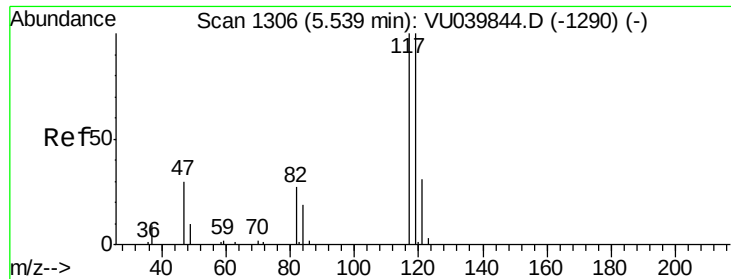


Abundance Ion 56.10 (55.80 to 56.80): VU039844.D (-1248) (-)

Ion 69.15 (68.85 to 69.85): VU039844.D (-1248) (-)

Ion 84.15 (83.85 to 84.85): VU039844.D (-1248) (-)

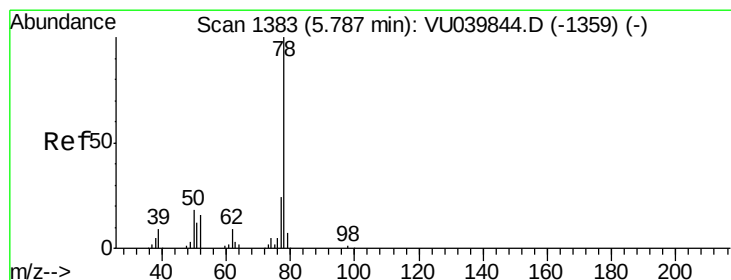
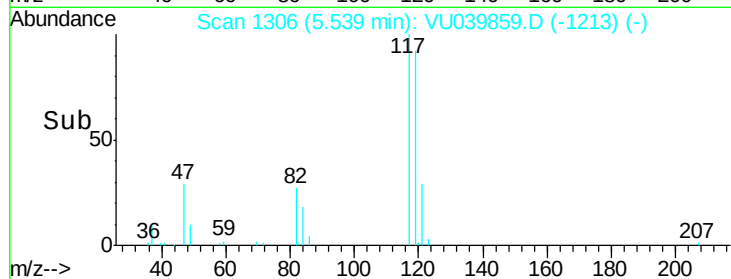
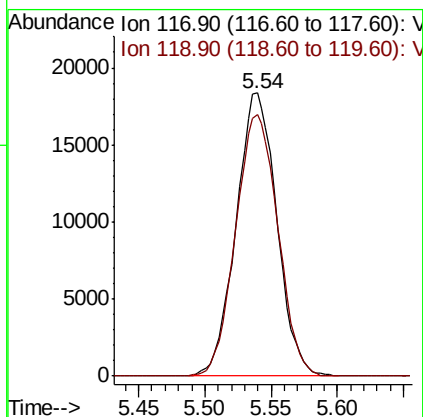
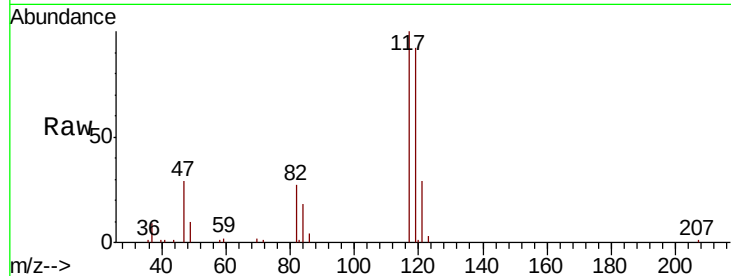




#31
Carbon tetrachloride
Concen: 4.965 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU039859.D
Acq: 14 Aug 2020 14:20

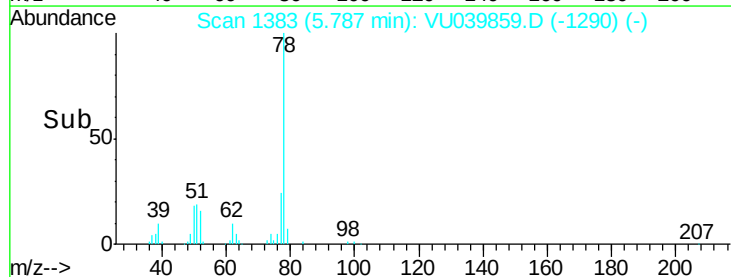
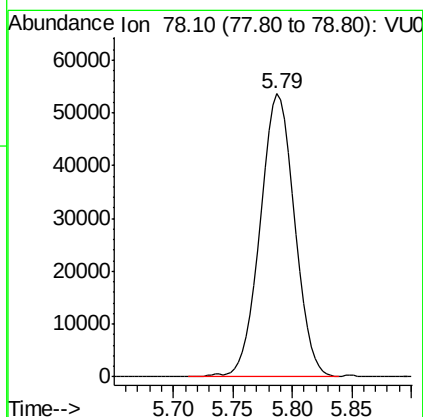
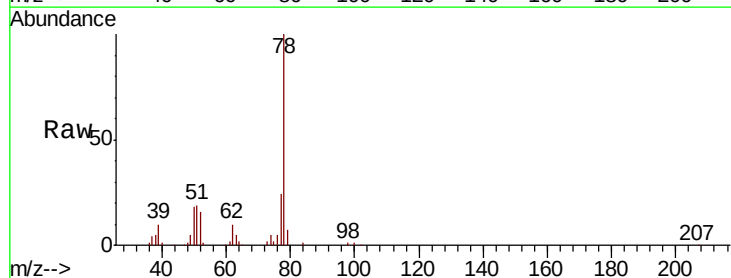
Instrument :
MSVOA_U
ClientSampleId :

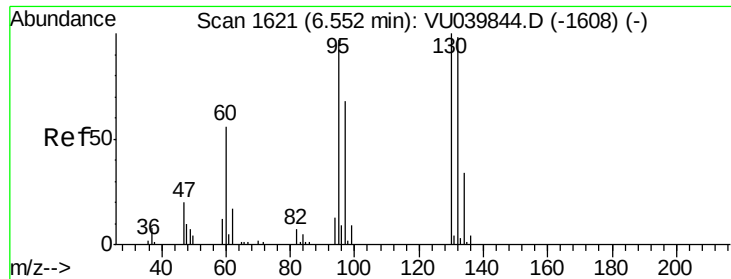
Tot Ion:117 Resp: 39060
Ion Ratio Lower Upper
117 100
119 95.9 75.5 113.3



#33
Benzene
Concen: 5.159 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU039859.D
Acq: 14 Aug 2020 14:20

Tgt Ion: 78 Resp: 108038

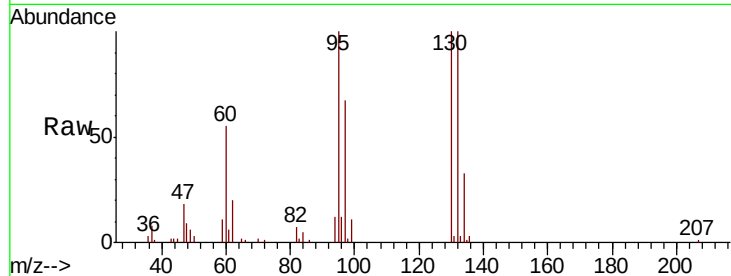




#34
 Trichloroethene
 Concen: 4.965 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU039859.D
 Acq: 14 Aug 2020 14:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	27004
Ion	Ratio	Lower	Upper
95	100		
97	67.2	44.0	81.8
132	100.1	71.7	133.3
130	99.9	71.1	132.1

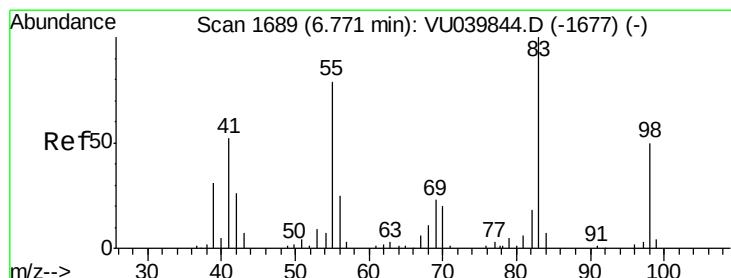
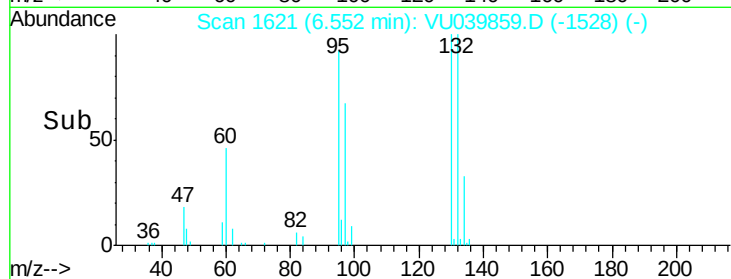
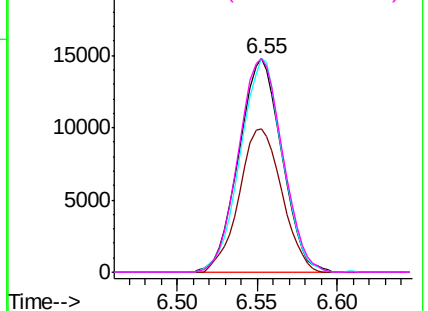


Abundance Ion 95.00 (94.70 to 95.70): VU039844.D (-1608) (-)

Ion 96.95 (96.65 to 97.65): VU039844.D (-1608) (-)

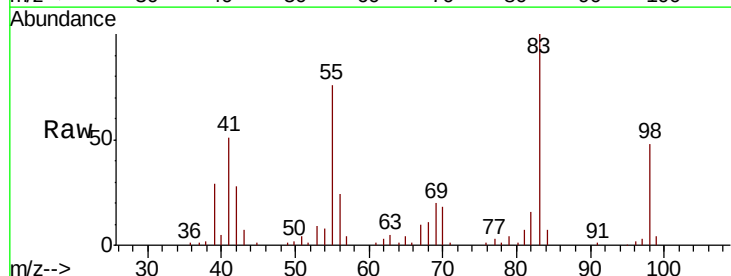
Ion 131.95 (131.65 to 132.65): VU039844.D (-1608) (-)

Ion 129.95 (129.65 to 130.65): VU039844.D (-1608) (-)



#35
 Methylcyclohexane
 Concen: 5.250 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VU039859.D
 Acq: 14 Aug 2020 14:20

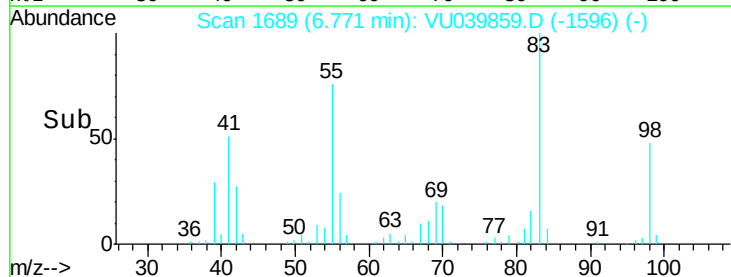
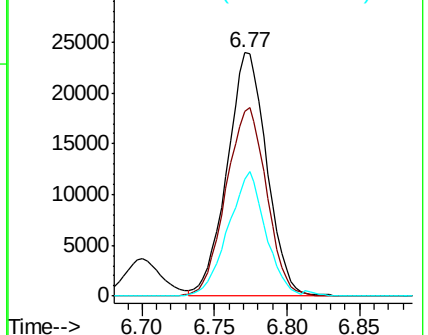
Tgt Ion:	83	Resp:	45576
Ion	Ratio	Lower	Upper
83	100		
55	79.1	59.4	89.0
98	48.1	39.0	58.4

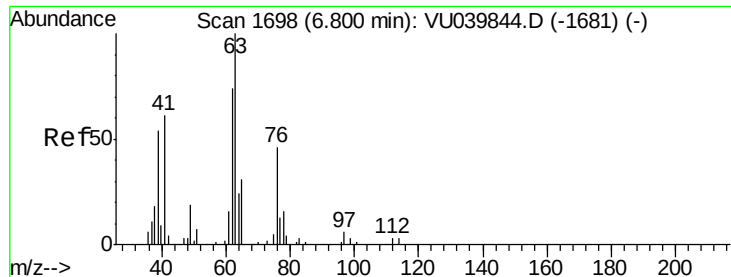


Abundance Ion 83.15 (82.85 to 83.85): VU039844.D (-1677) (-)

Ion 55.10 (54.80 to 55.80): VU039844.D (-1677) (-)

Ion 98.15 (97.85 to 98.85): VU039844.D (-1677) (-)

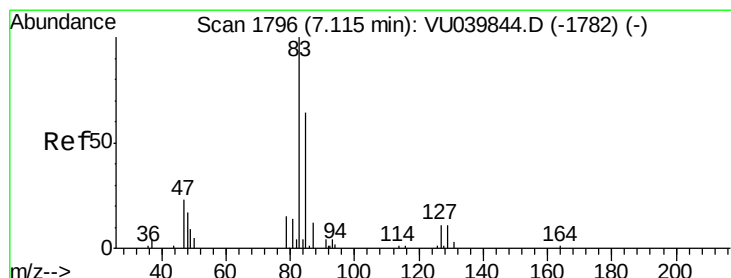
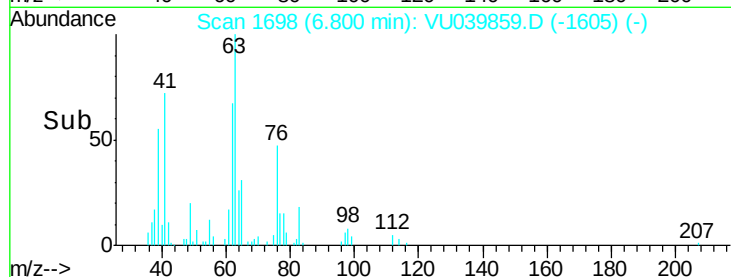
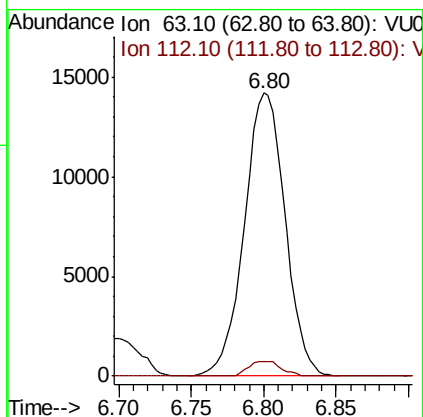
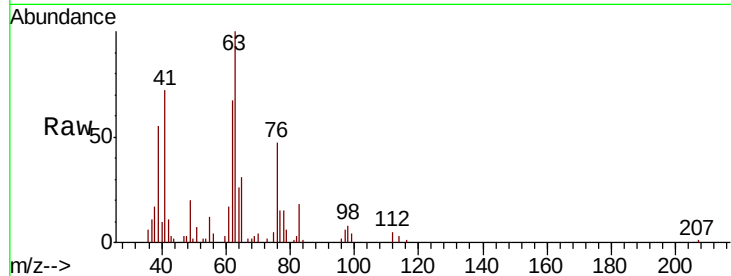




#37
 1,2-Dichloropropane
 Concen: 5.001 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU039859.D
 Acq: 14 Aug 2020 14:20

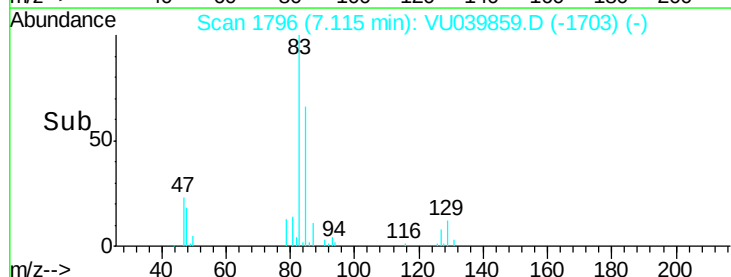
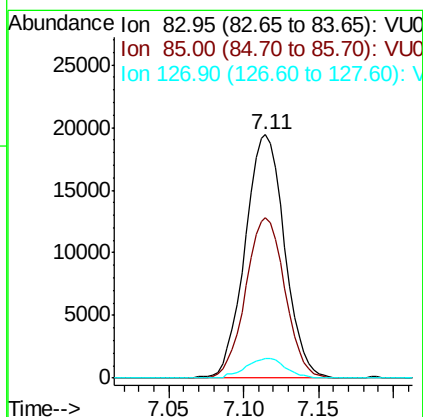
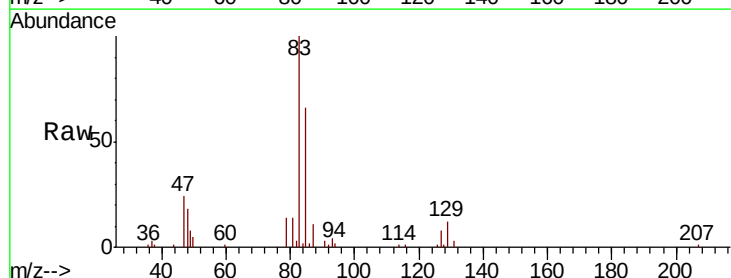
Instrument :
 MSVOA_U
 ClientSampleId :

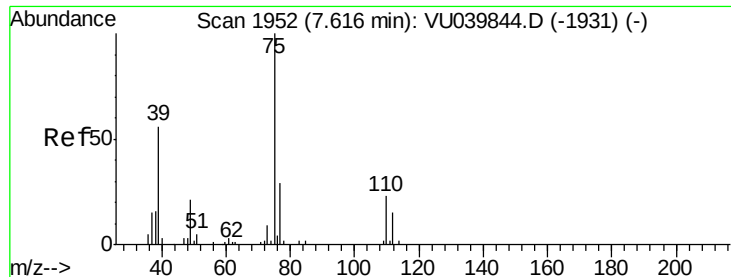
Tot Ion: 63 Resp: 27815
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.903 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU039859.D
 Acq: 14 Aug 2020 14:20

Tgt Ion: 83 Resp: 35677
 Ion Ratio Lower Upper
 83 100
 85 65.9 45.3 84.1
 127 8.2 7.5 11.3

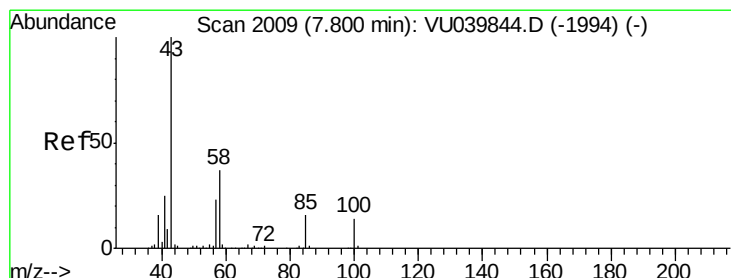
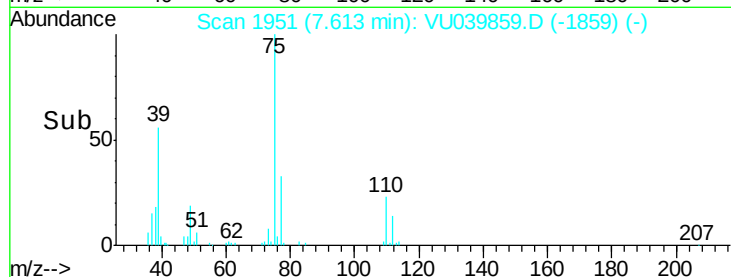
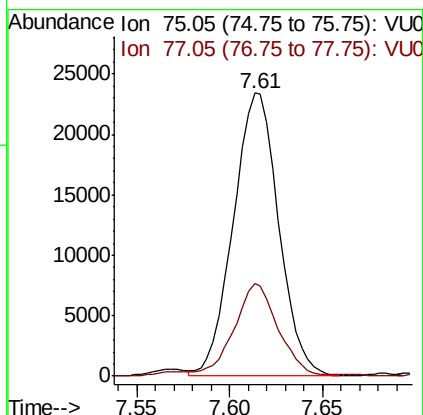
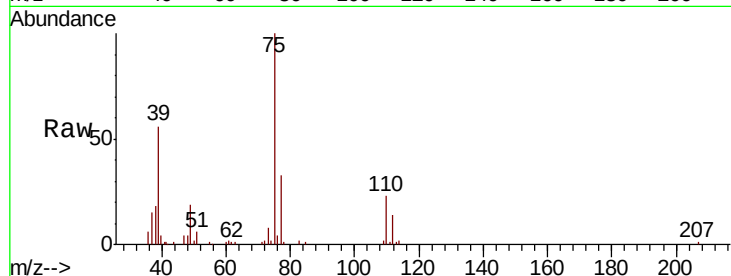




#39
 cis-1,3-Dichloropropene
 Concen: 5.255 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU039859.D
 Acq: 14 Aug 2020 14:20

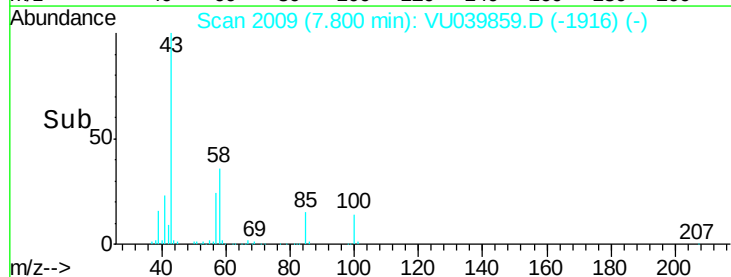
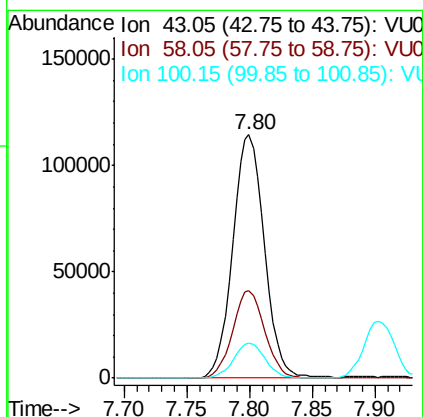
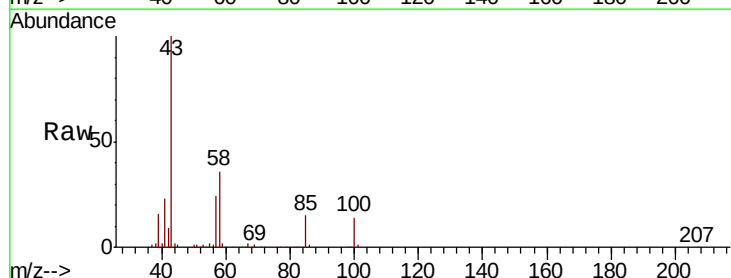
Instrument :
 MSVOA_U
 ClientSampleId :

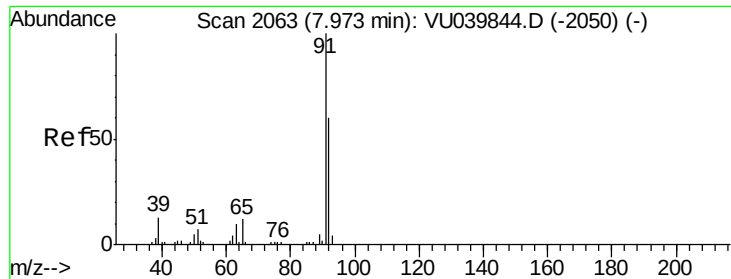
Tot Ion: 75 Resp: 39861
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 48.382 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU039859.D
 Acq: 14 Aug 2020 14:20

Tgt Ion: 43 Resp: 201098
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.4 44.2
 100 14.2 11.7 17.5





#42

Toluene

Concen: 5.027 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

Instrument :

MSVOA_U

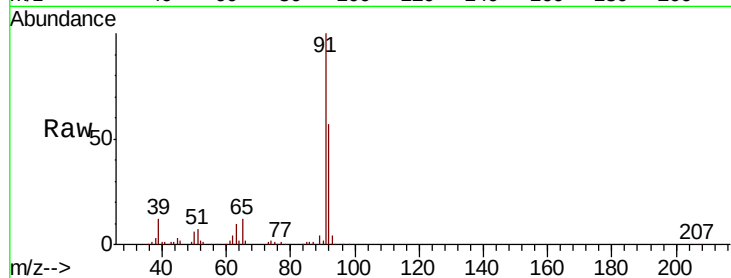
ClientSampleId :

Tot Ion: 91 Resp: 110636

Ion Ratio Lower Upper

91 100

92 56.6 41.6 77.3



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

Ion 92.15 (91.85 to 92.85): VU039844.D (-2050) (-)

7.97

60000

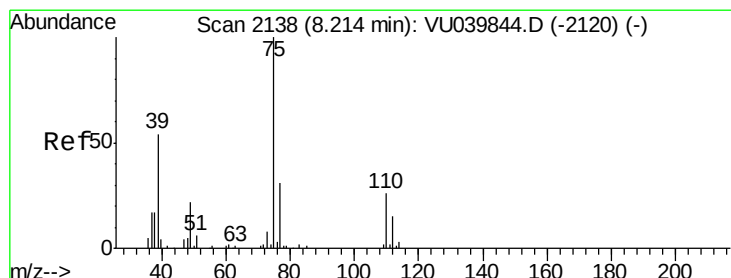
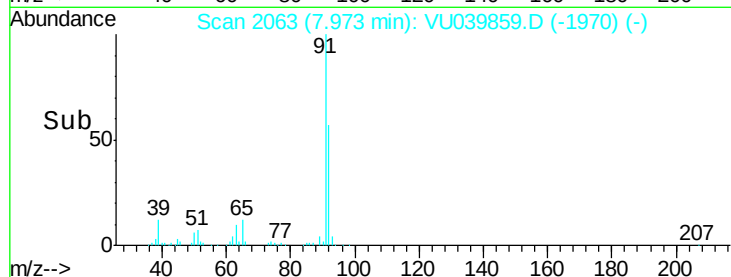
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.341 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU039859.D

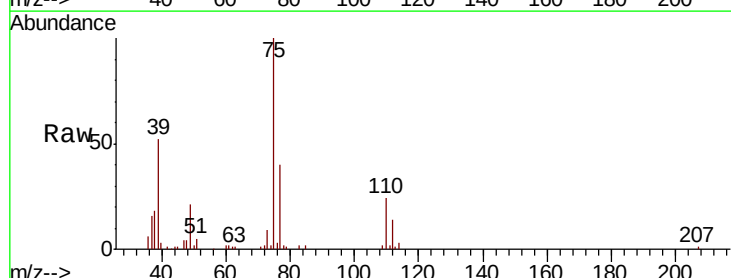
Acq: 14 Aug 2020 14:20

Tgt Ion: 75 Resp: 36498

Ion Ratio Lower Upper

75 100

77 40.3 21.6 40.2#



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

Ion 77.05 (76.75 to 77.75): VU039844.D (-2120) (-)

8.21

25000

20000

15000

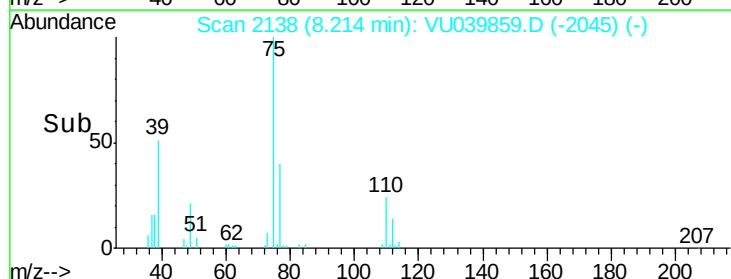
10000

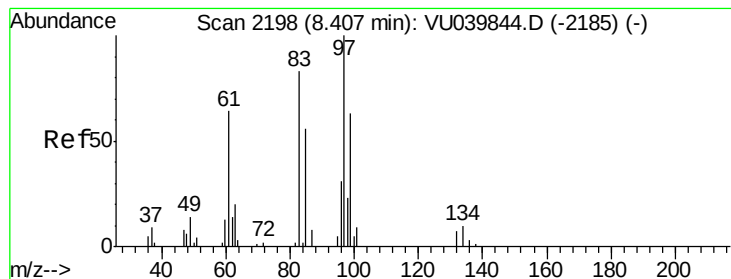
5000

0

8.15 8.20 8.25 8.30

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.775 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 19977

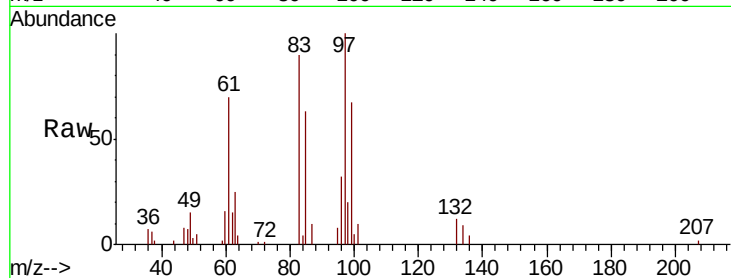
Ion Ratio Lower Upper

97 100

99 66.8 42.0 78.0

83 89.6 55.2 102.4

85 62.7 37.0 68.6

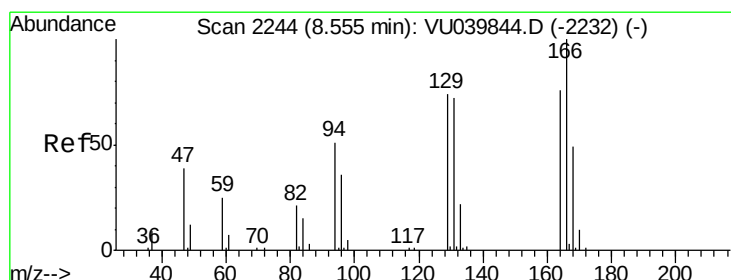
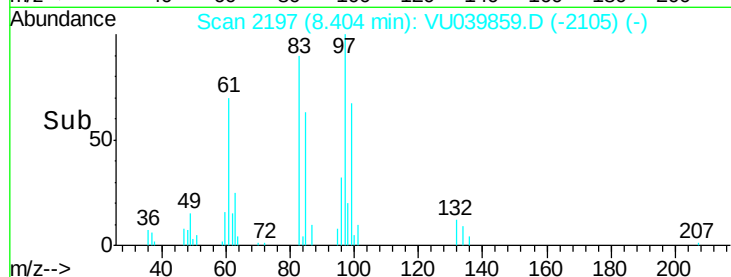
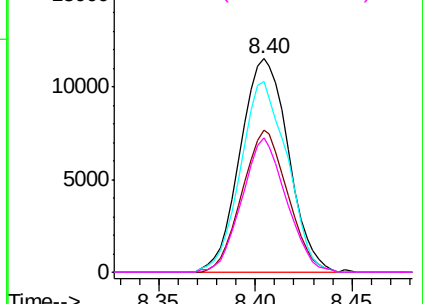


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.917 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

Tgt Ion: 164 Resp: 22060

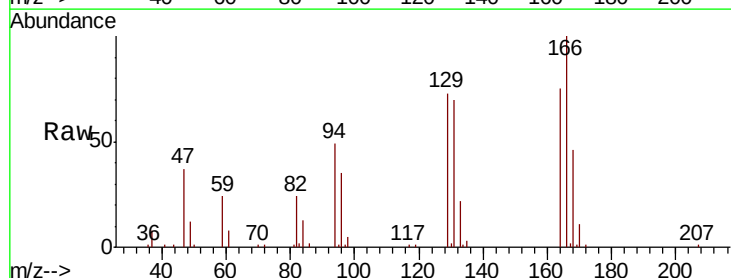
Ion Ratio Lower Upper

164 100

129 97.2 65.9 122.5

131 93.8 68.1 126.5

166 133.6 84.5 156.9

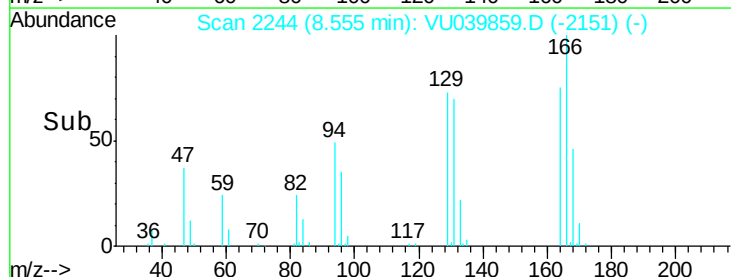
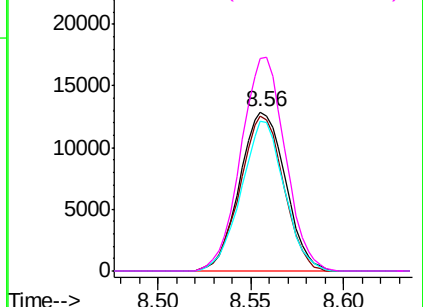


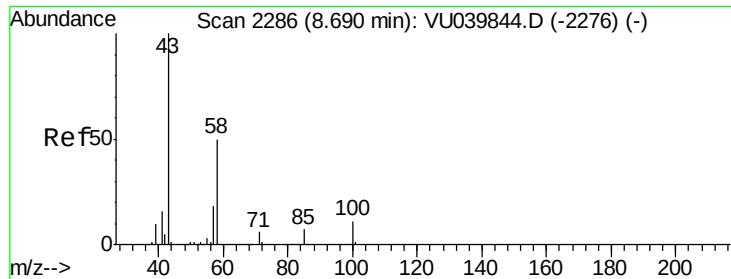
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

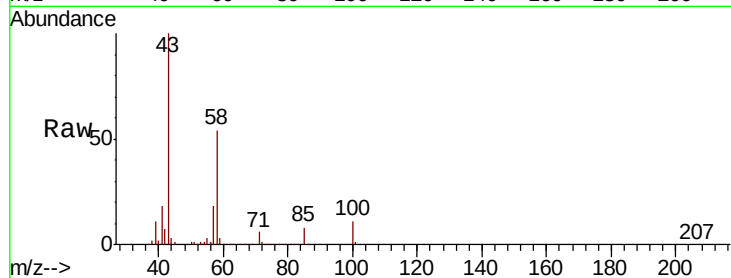




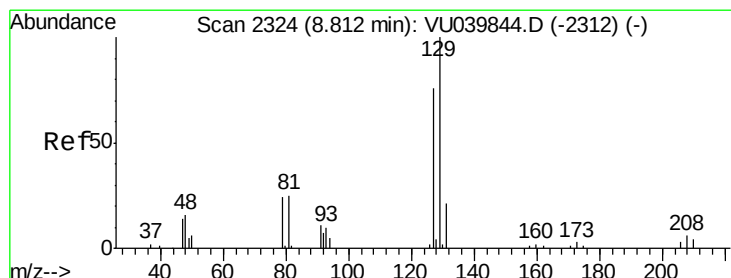
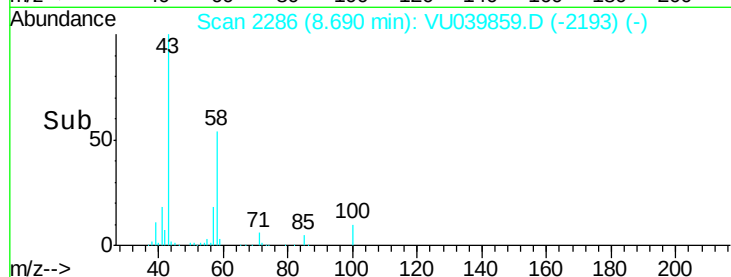
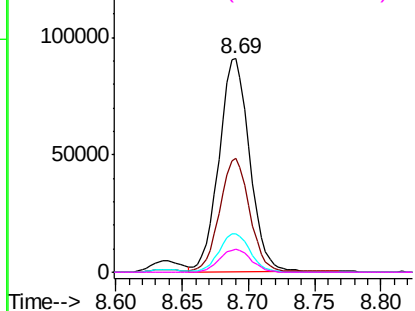
#48
2-Hexanone
Concen: 48.643 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU039859.D
Acq: 14 Aug 2020 14:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 145998
Ion Ratio Lower Upper
43 100
58 51.9 41.8 62.8
57 18.1 14.2 21.4
100 11.1 9.4 14.2

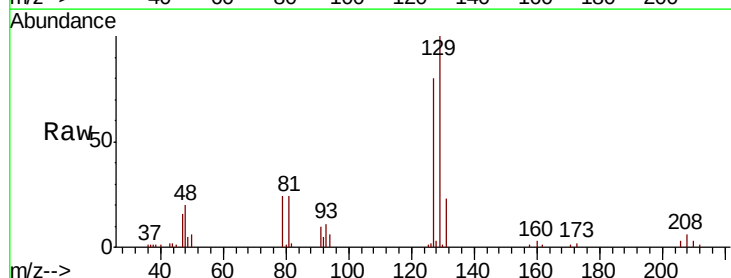


Abundance Ion 43.05 (42.75 to 43.75): VU039859.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU039859.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU039859.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU039859.D (-2193) (-)

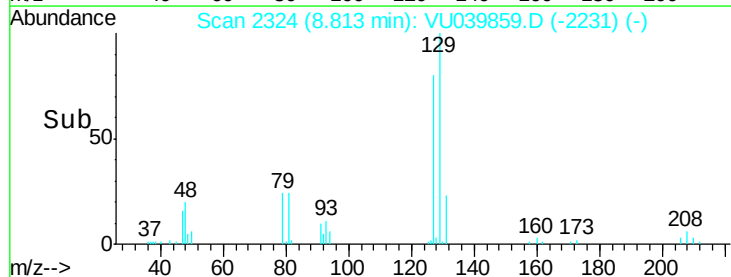
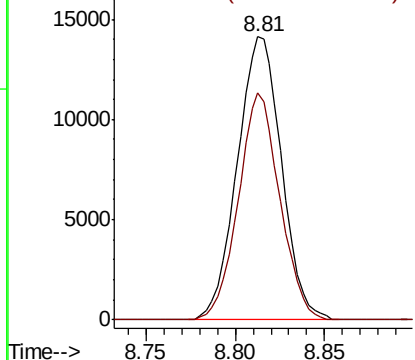


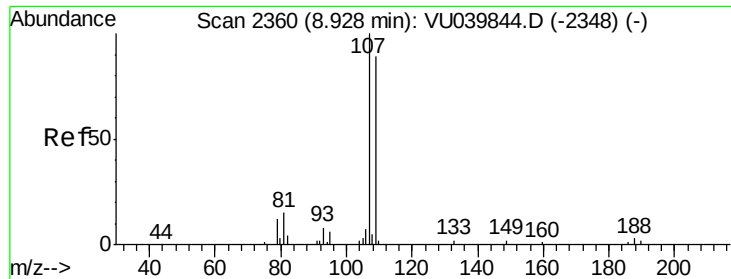
#49
Dibromochloromethane
Concen: 4.759 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU039859.D
Acq: 14 Aug 2020 14:20

Tgt Ion: 129 Resp: 24432
Ion Ratio Lower Upper
129 100
127 80.4 53.0 98.4



Abundance Ion 128.95 (128.65 to 129.65): VU039859.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU039859.D (-2231) (-)

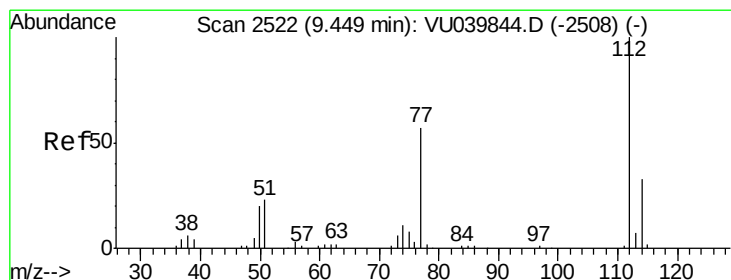
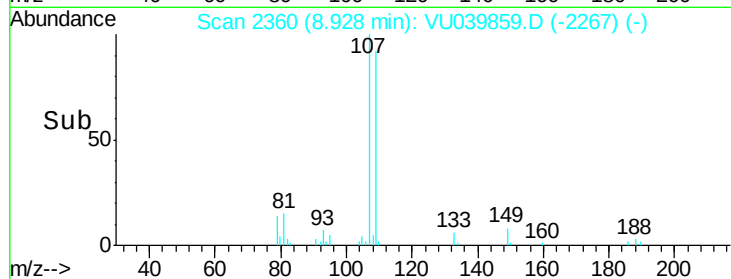
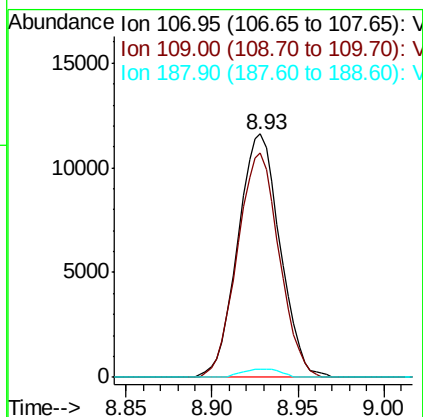
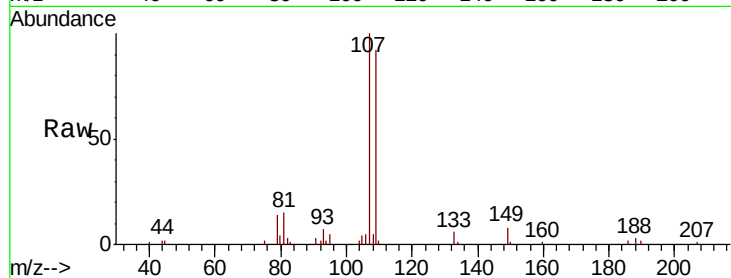




#50
 1,2-Dibromoethane
 Concen: 4.825 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU039859.D
 Acq: 14 Aug 2020 14:20

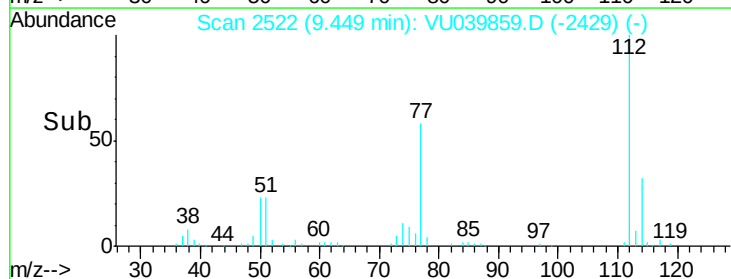
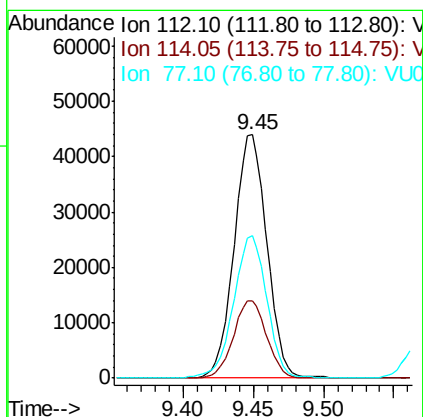
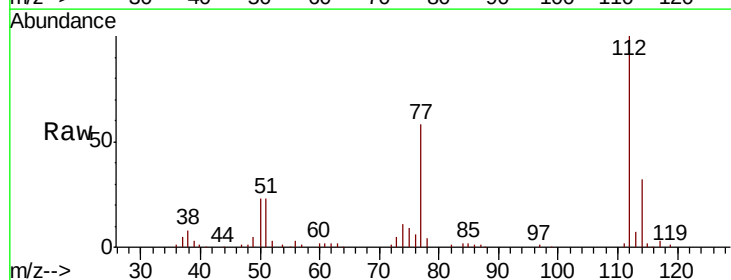
Instrument :
 MSVOA_U
 ClientSampleId :

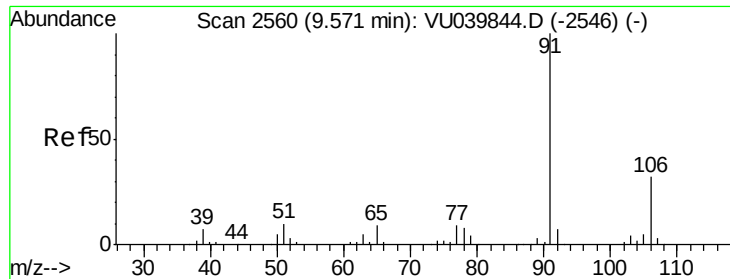
Tot Ion:107 Resp: 19793
 Ion Ratio Lower Upper
 107 100
 109 92.0 63.9 118.7
 188 3.3 2.9 4.3



#51
 Chlorobenzene
 Concen: 4.858 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU039859.D
 Acq: 14 Aug 2020 14:20

Tgt Ion:112 Resp: 71833
 Ion Ratio Lower Upper
 112 100
 114 31.8 23.2 43.0
 77 58.4 47.8 71.6

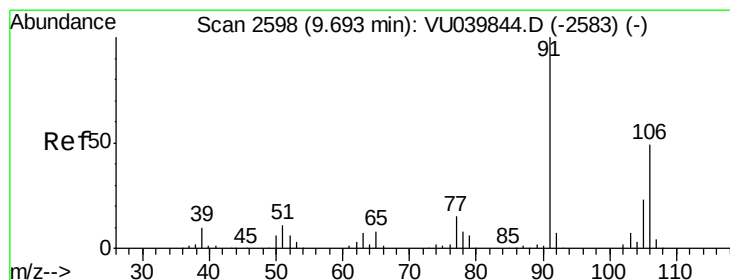
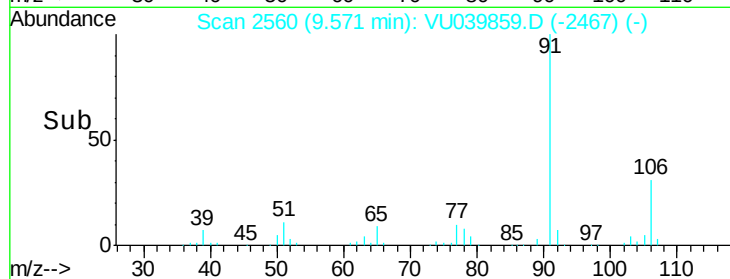
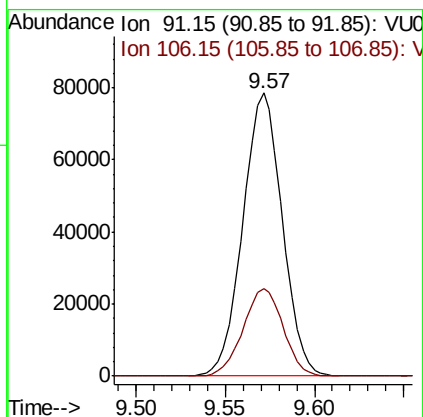
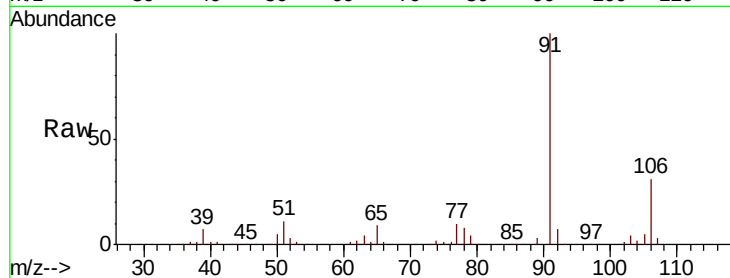




#52
Ethylbenzene
Concen: 4.933 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU039859.D
Acq: 14 Aug 2020 14:20

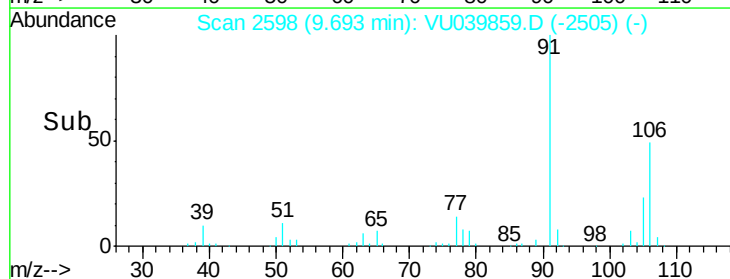
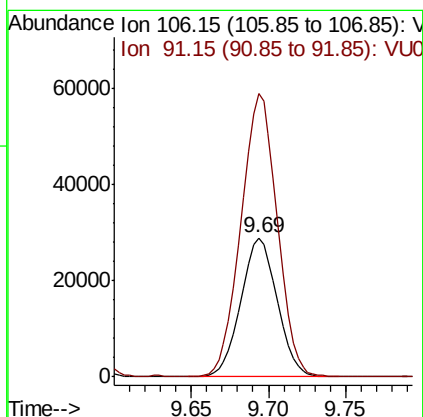
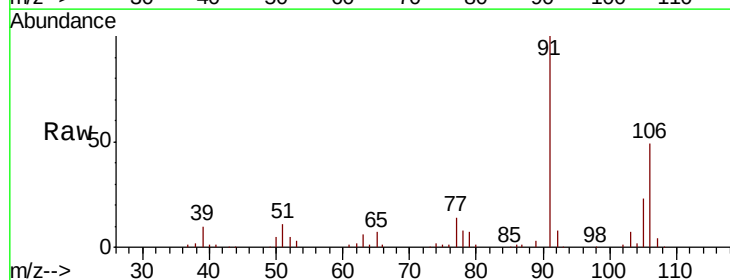
Instrument :
MSVOA_U
ClientSampleId :

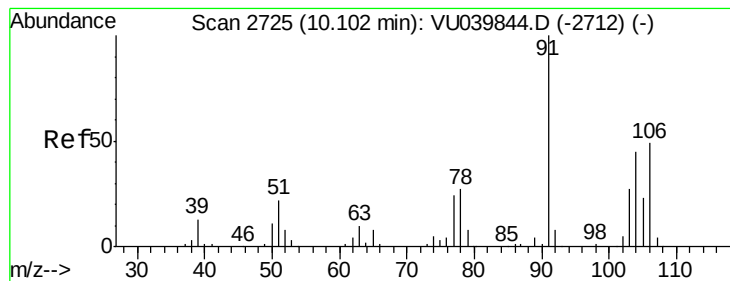
Tot Ion: 91 Resp: 121509
Ion Ratio Lower Upper
91 100
106 30.9 22.8 42.4



#53
m,p-Xylene
Concen: 5.043 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU039859.D
Acq: 14 Aug 2020 14:20

Tgt Ion: 106 Resp: 47303
Ion Ratio Lower Upper
106 100
91 203.5 135.5 251.7





#54

o-Xylene

Concen: 4.995 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

Instrument :

MSVOA_U

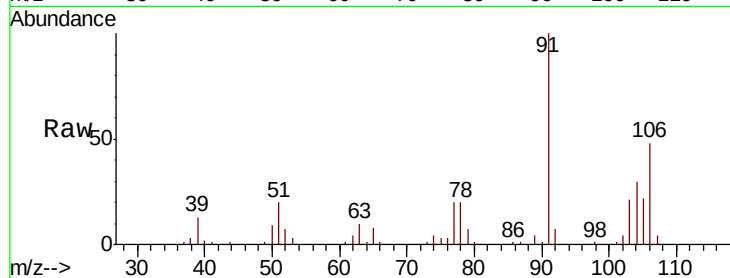
ClientSampleId :

Tot Ion:106 Resp: 45878

Ion Ratio Lower Upper

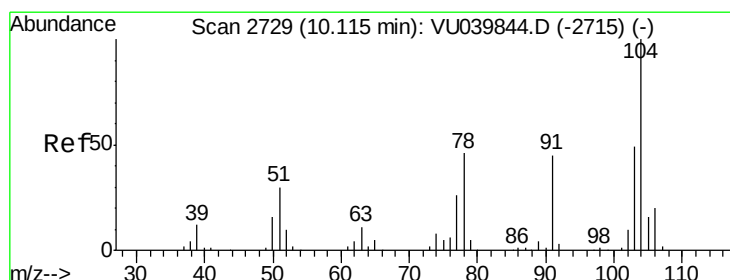
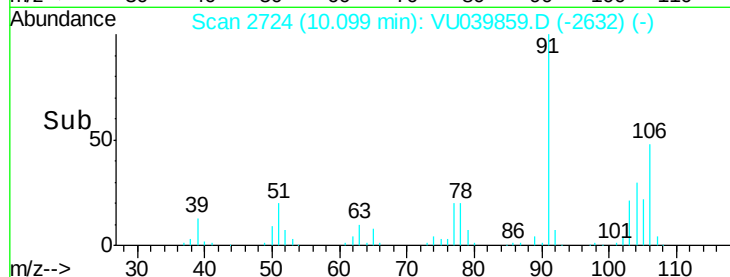
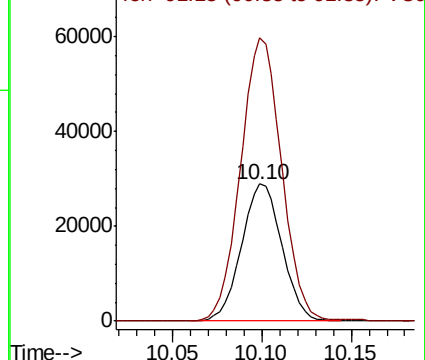
106 100

91 206.3 140.8 261.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.056 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU039859.D

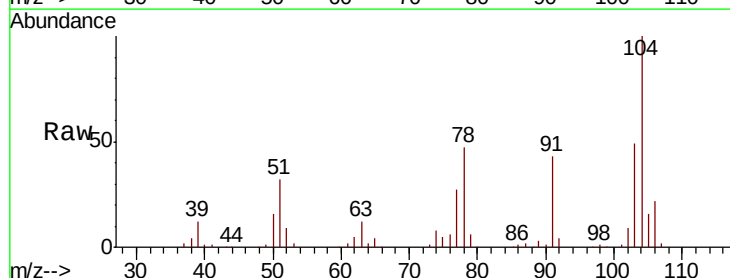
Acq: 14 Aug 2020 14:20

Tgt Ion:104 Resp: 78195

Ion Ratio Lower Upper

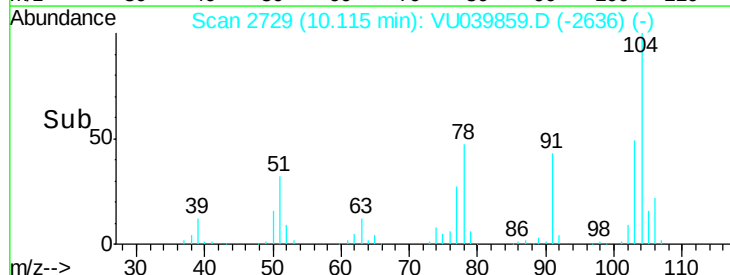
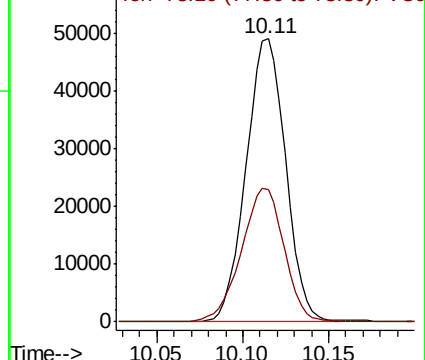
104 100

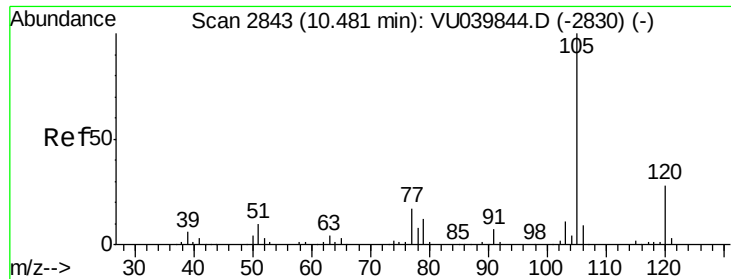
78 46.6 32.3 60.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.878 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

Instrument :

MSVOA_U

ClientSampled :

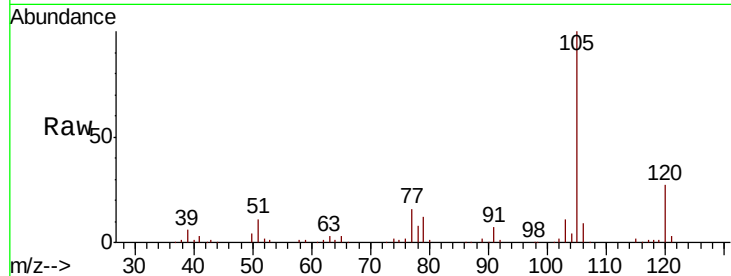
Tot Ion:105 Resp: 119730

Ion Ratio Lower Upper

105 100

120 27.4 21.0 31.6

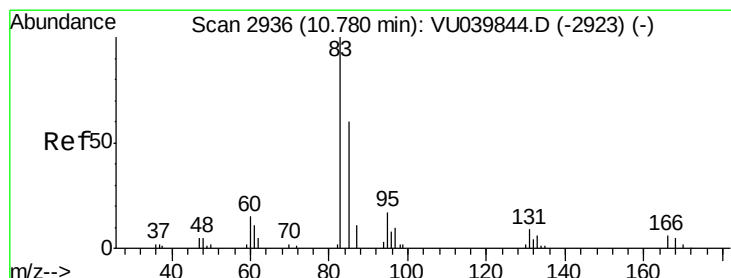
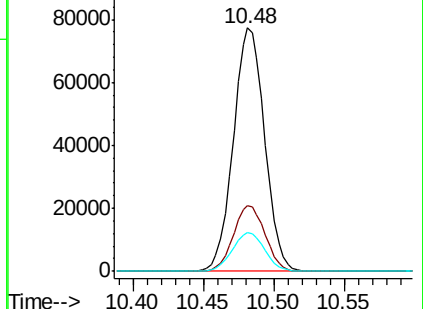
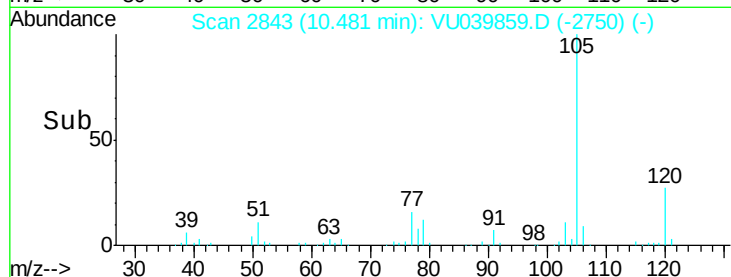
77 16.5 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.524 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

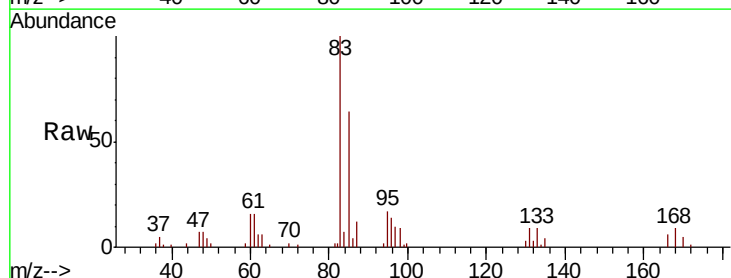
Tgt Ion: 83 Resp: 26041

Ion Ratio Lower Upper

83 100

85 64.4 44.4 82.4

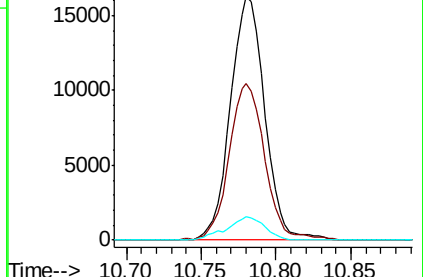
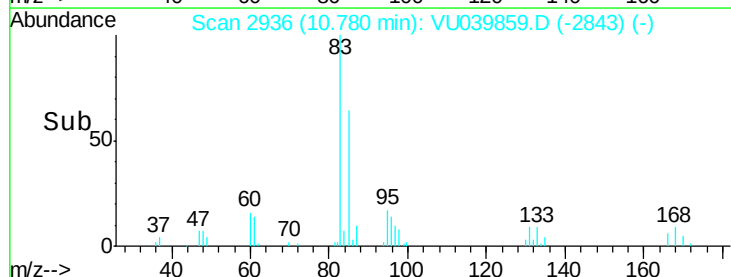
131 9.4 7.4 11.0

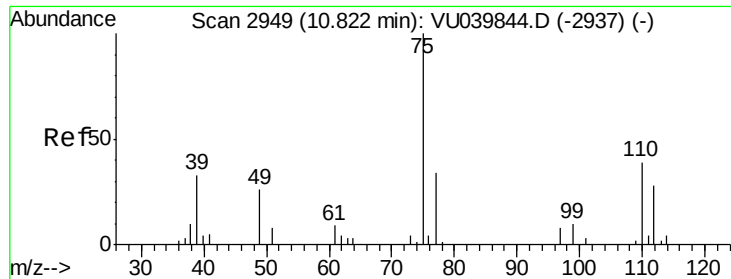


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.514 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

Instrument :

MSVOA_U

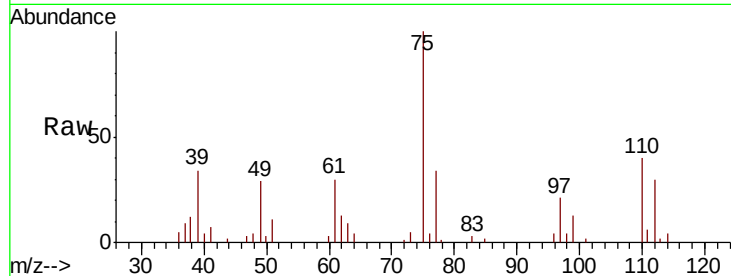
ClientSampleId :

Tot Ion: 75 Resp: 18109

Ion Ratio Lower Upper

75 100

77 33.4 24.6 37.0



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

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

10.82

12000

10000

8000

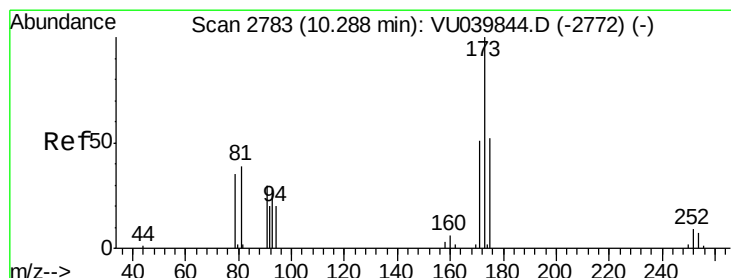
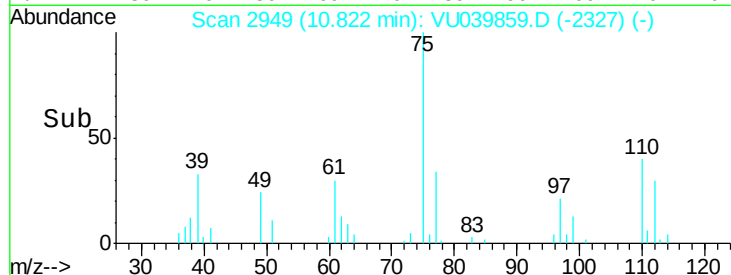
6000

4000

2000

0

Time--> 10.75 10.80 10.85



#61

Bromoform

Concen: 4.837 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

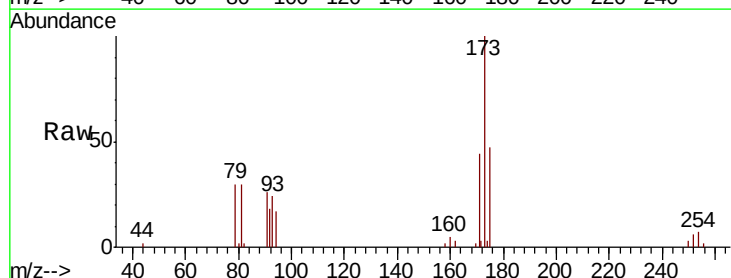
Tgt Ion: 173 Resp: 13513

Ion Ratio Lower Upper

173 100

175 46.3 33.8 50.8

254 6.4 5.5 8.3



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

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

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

10.29

10000

8000

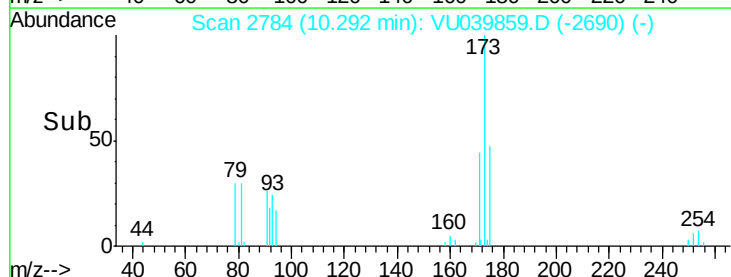
6000

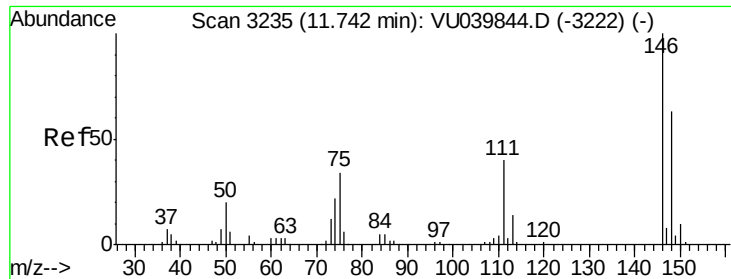
4000

2000

0

Time--> 10.25 10.30 10.35

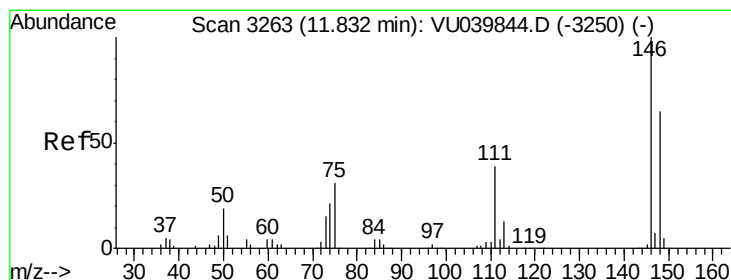
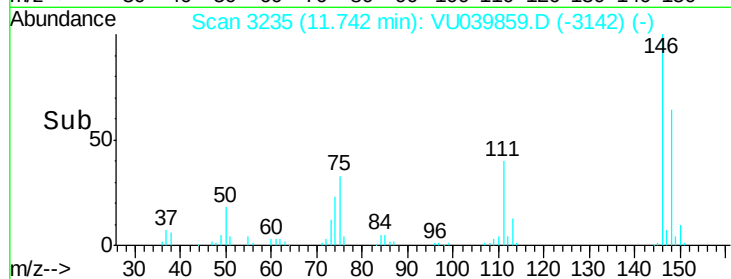
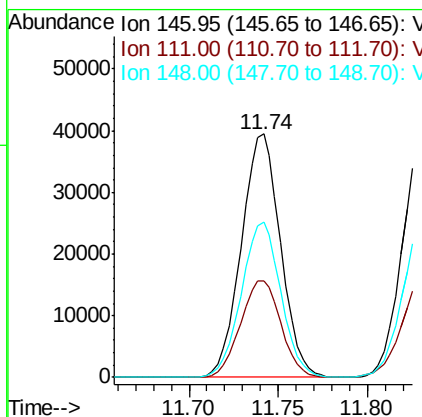
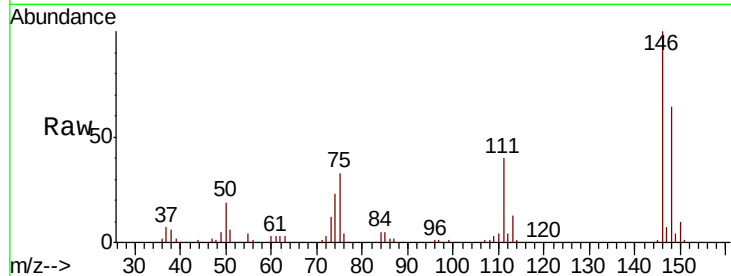




#62
 1,3-Dichlorobenzene
 Concen: 5.009 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039859.D
 Acq: 14 Aug 2020 14:20

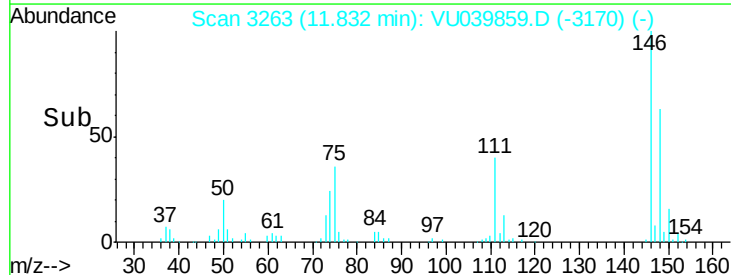
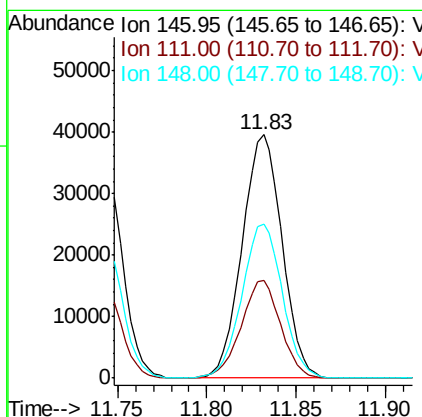
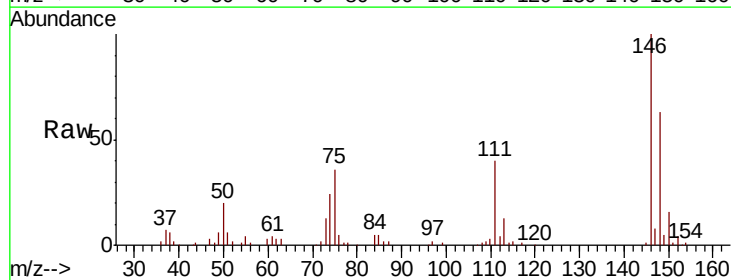
Instrument :
 MSVOA_U
 ClientSampled :

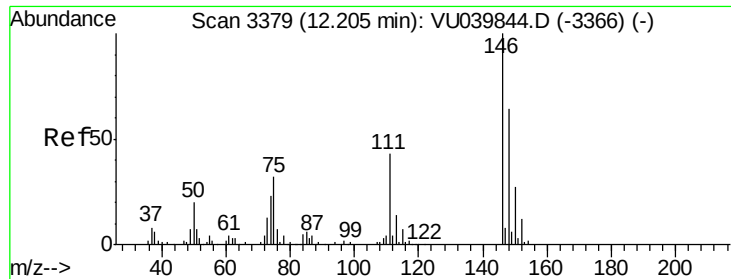
Tot Ion:146 Resp: 60622
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.7 51.5
 148 63.6 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 4.866 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039859.D
 Acq: 14 Aug 2020 14:20

Tgt Ion:146 Resp: 62074
 Ion Ratio Lower Upper
 146 100
 111 40.1 26.5 49.3
 148 63.4 45.3 84.1

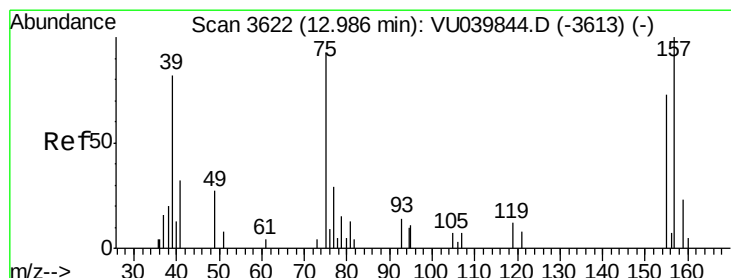
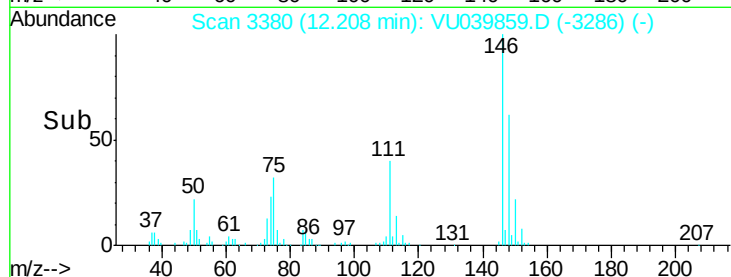
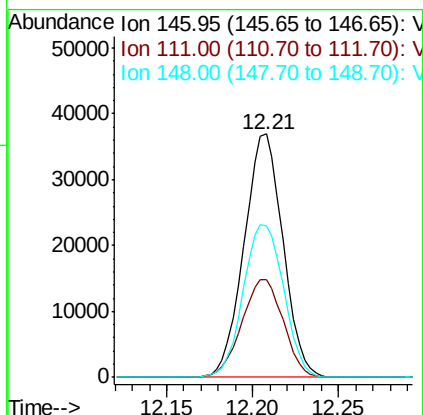
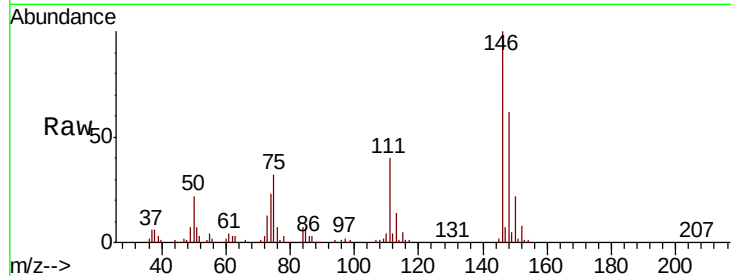




#65
 1,2-Dichlorobenzene
 Concen: 4.868 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039859.D
 Acq: 14 Aug 2020 14:20

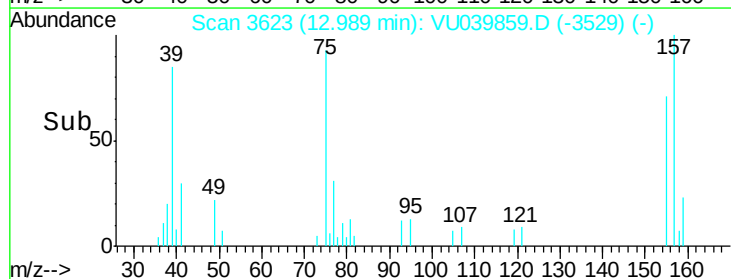
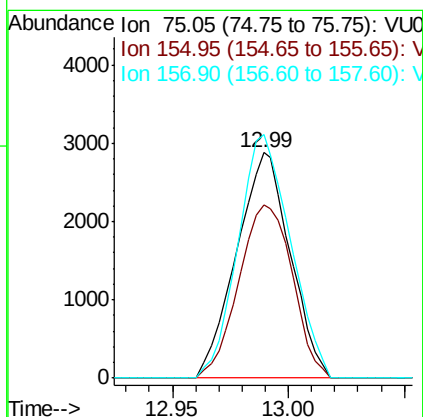
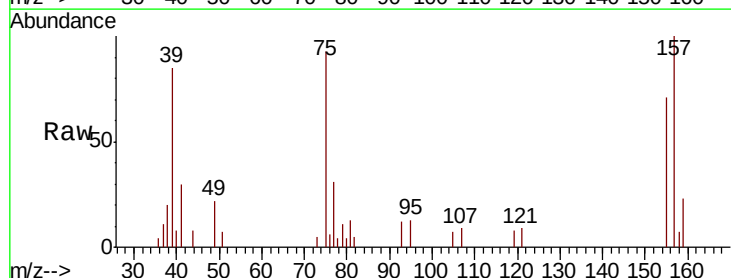
Instrument :
 MSVOA_U
 ClientSampled :

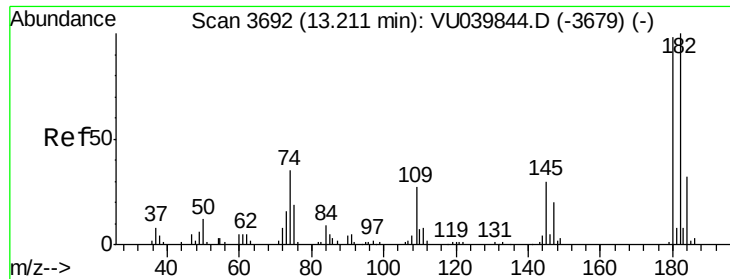
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	33.1	49.7
148	62.3	51.5	77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.138 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039859.D
 Acq: 14 Aug 2020 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.7	64.0	96.0
157	108.0	77.0	115.6

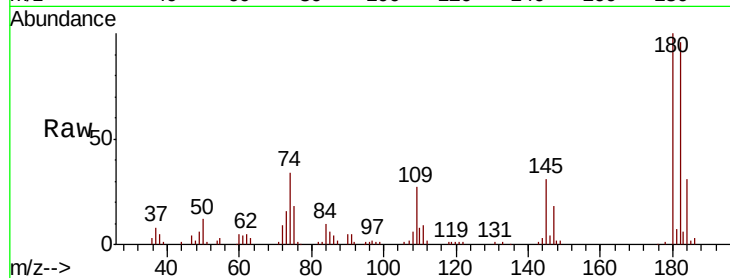




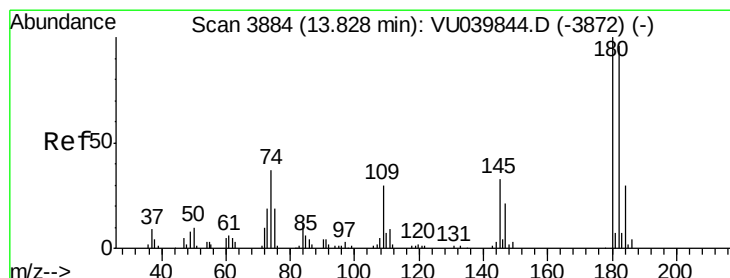
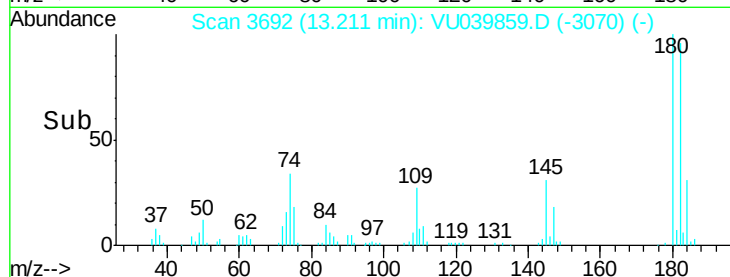
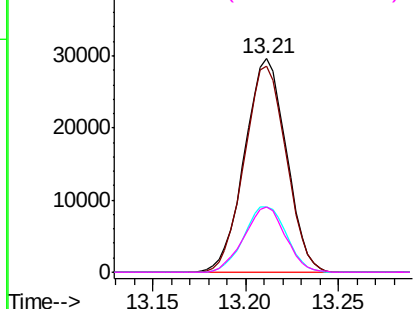
#67
 1,3,5-Trichlorobenzene
 Concen: 5.050 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039859.D
 Acq: 14 Aug 2020 14:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 46321
 Ion Ratio Lower Upper
 180 100
 182 96.7 74.9 112.3
 184 31.2 25.3 37.9
 145 30.2 25.0 37.6

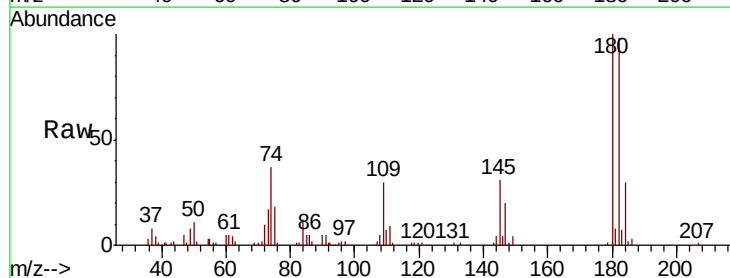


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

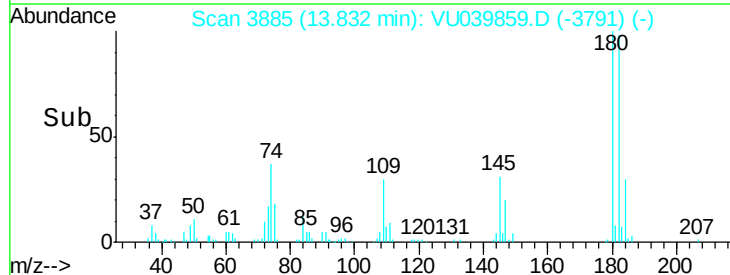
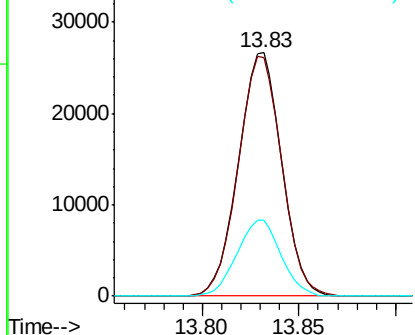


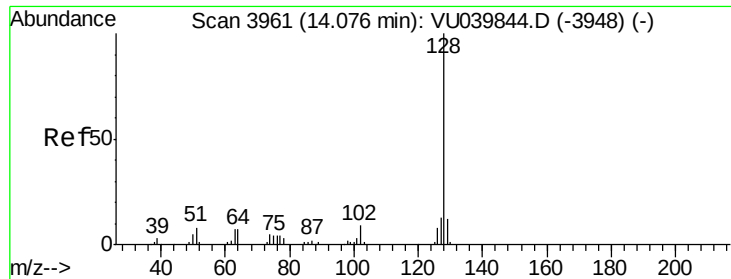
#68
 1,2,4-trichlorobenzene
 Concen: 5.372 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039859.D
 Acq: 14 Aug 2020 14:20

Tgt Ion:180 Resp: 41287
 Ion Ratio Lower Upper
 180 100
 182 99.4 75.7 113.5
 145 31.9 25.1 37.7



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





#69

Naphthalene

Concen: 5.533 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

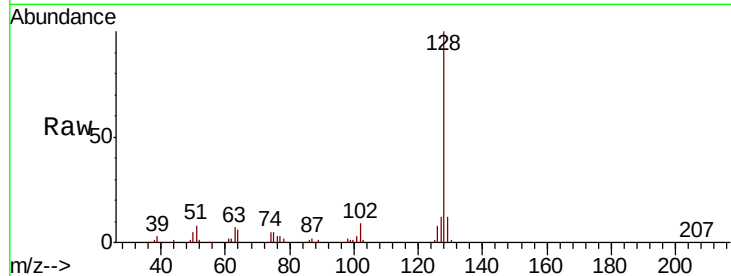
Tot Ion:128 Resp: 76036

Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

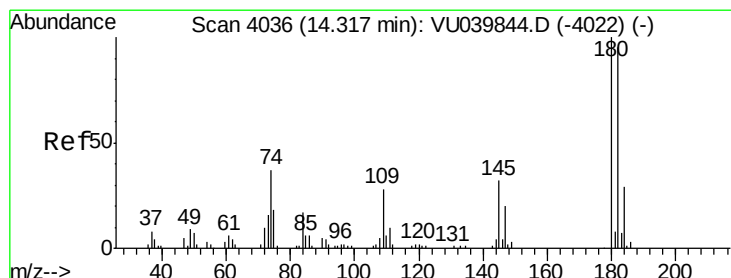
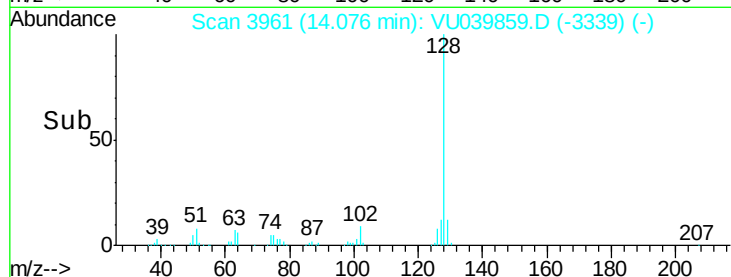
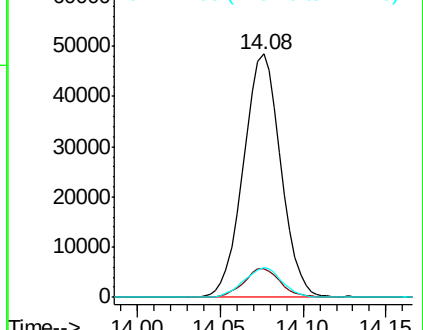
127 12.4 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.744 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039859.D

Acq: 14 Aug 2020 14:20

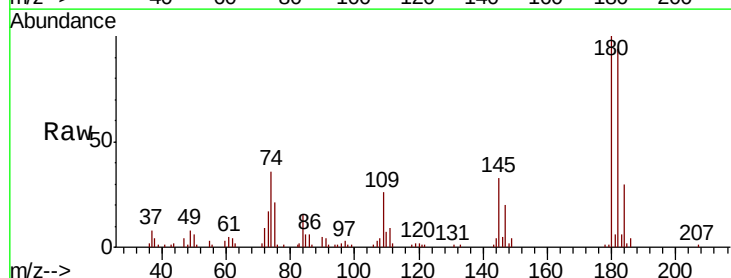
Tgt Ion:180 Resp: 39610

Ion Ratio Lower Upper

180 100

182 92.3 76.1 114.1

145 33.3 27.4 41.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

