

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042020\
 Data File : VU037805.D
 Acq On : 20 Apr 2020 10:38
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 21 01:07:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Apr 20 14:27:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	285876	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	276560	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	140819	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	97484	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.93	69	85050	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.59	63	188610	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	4.66	46	300474	50.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.16%
24) Chloroform-d	5.10	84	177318	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.74	65	102834	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.76	84	363523	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.72	67	120680	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.93	98	337221	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	8.20	79	53109	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.66	63	273710	48.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.90%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	96715	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	121451	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	142650	5.752	ug/L 100
3) Chloromethane	1.54	50	136961	4.467	ug/L 100
5) Vinyl chloride	1.62	62	167041	5.545	ug/L 100
6) Bromomethane	1.87	94	83947	4.854	ug/L 98
8) Chloroethane	1.95	64	95272	5.386	ug/L 100
9) Trichlorofluoromethane	2.16	101	183824	5.687	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	105871	5.626	ug/L 98
12) 1,1-Dichloroethene	2.60	96	102954	5.219	ug/L 94
13) Acetone	2.65	43	221151	56.458	ug/L 95
14) Carbon disulfide	2.82	76	366284	5.085	ug/L 99
15) Methyl Acetate	2.98	43	59685	5.480	ug/L 99
16) Methylene chloride	3.08	84	119332	5.365	ug/L 95
17) Methyl tert-butyl Ether	3.40	73	311857	5.459	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	113613	5.312	ug/L 98
19) 1,1-Dichloroethane	3.91	63	234090	5.658	ug/L 99
21) 2-Butanone	4.74	43	401631	56.433	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	127065	5.498	ug/L 96

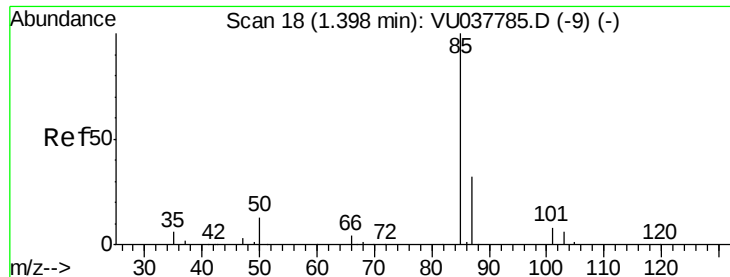
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042020\
 Data File : VU037805.D
 Acq On : 20 Apr 2020 10:38
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Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 21 01:07:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Apr 20 14:27:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	53419	5.454	ug/L	93
25) Chloroform	5.13	83	227660	5.793	ug/L	100
27) 1,2-Dichloroethane	5.83	62	155963	5.871	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	191679	5.712	ug/L	99
30) Cyclohexane	5.42	56	233524	5.622	ug/L	98
31) Carbon tetrachloride	5.56	117	156142	5.839	ug/L	99
33) Benzene	5.81	78	505276	5.530	ug/L	100
34) Trichloroethene	6.57	95	126950	5.653	ug/L	96
35) Methylcyclohexane	6.79	83	223451	5.678	ug/L	98
37) 1,2-Dichloropropane	6.82	63	138389	5.710	ug/L	99
38) Bromodichloromethane	7.13	83	164994	5.726	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	213475	5.627	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	1001330	56.202	ug/L	98
42) Toluene	8.00	91	536055	5.601	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	186894	5.675	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	89405	5.475	ug/L	99
47) Tetrachloroethene	8.58	164	91544	5.673	ug/L	97
48) 2-Hexanone	8.71	43	715515	56.091	ug/L	99
49) Dibromochloromethane	8.84	129	104353	5.591	ug/L	97
50) 1,2-Dibromoethane	8.95	107	85935	5.472	ug/L #	98
51) Chlorobenzene	9.47	112	329163	5.637	ug/L	100
52) Ethylbenzene	9.59	91	607961	5.709	ug/L	98
53) m,p-Xylene	9.71	106	227912	5.655	ug/L	99
54) o-Xylene	10.12	106	223171	5.626	ug/L	99
55) Styrene	10.13	104	382487	5.641	ug/L	98
56) Isopropylbenzene	10.50	105	597193	5.740	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	118950	5.595	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	87615	5.524	ug/L	100
61) Bromoform	10.31	173	59965	5.359	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	265504	5.629	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	265787	5.619	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	244996	5.518	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	22092	5.368	ug/L	95
67) 1,3,5-Trichlorobenzene	13.25	180	201307	5.820	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	181893	5.730	ug/L	98
69) Naphthalene	14.12	128	338589	5.266	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	156687	5.539	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.752 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

Instrument :

MSVOA_U

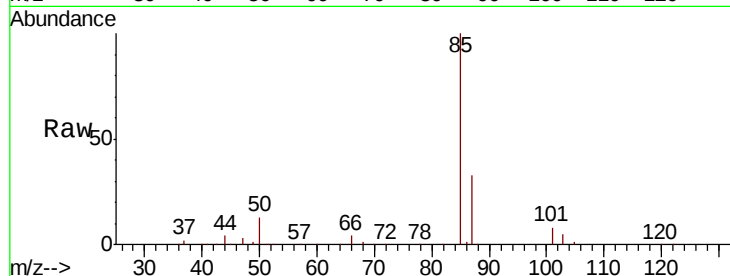
ClientSampleId :

Tot Ion: 85 Resp: 142650

Ion Ratio Lower Upper

85 100

87 33.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037785.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037785.D (-9) (-)

1.39

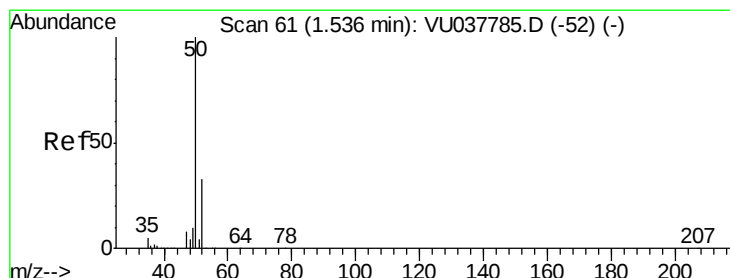
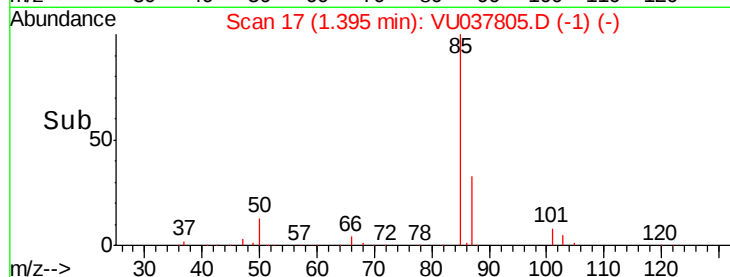
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.467 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037805.D

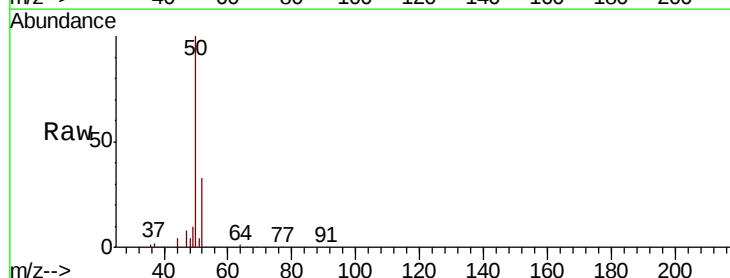
Acq: 20 Apr 2020 10:38

Tgt Ion: 50 Resp: 136961

Ion Ratio Lower Upper

50 100

52 32.7 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU037785.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU037785.D (-52) (-)

1.54

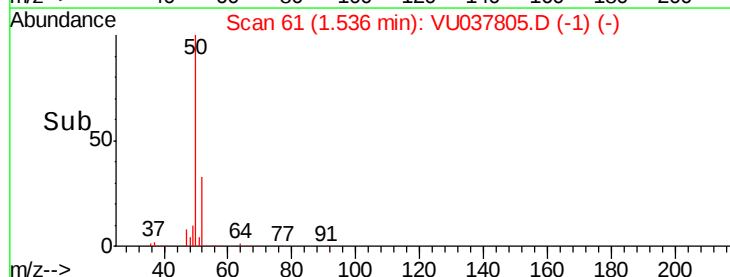
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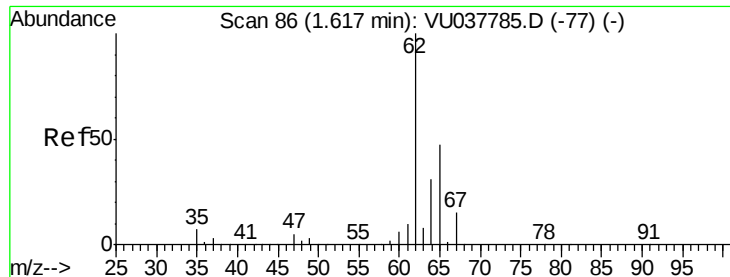
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 5.545 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

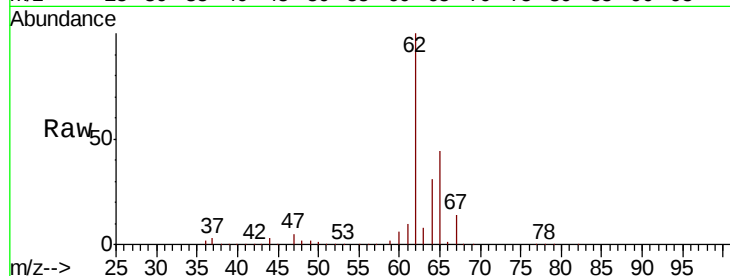
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 167041

Ion Ratio Lower Upper

62 100

64 31.4 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VU037785.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037785.D (-77) (-)

1.62

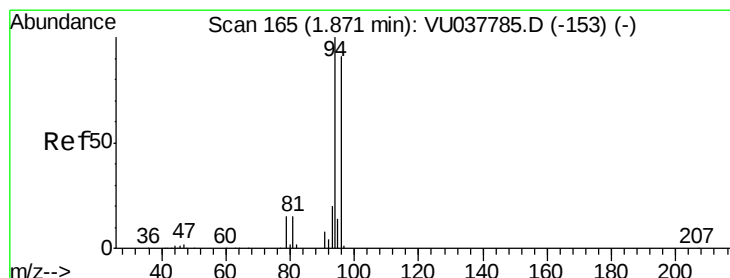
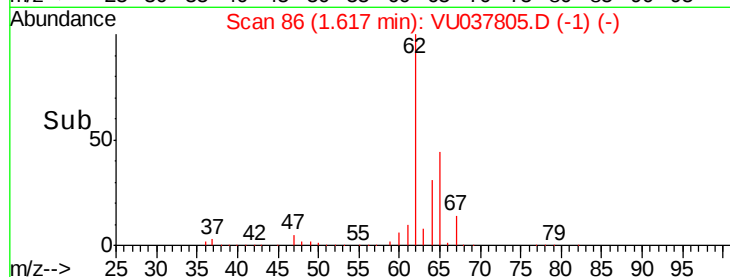
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.854 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU037805.D

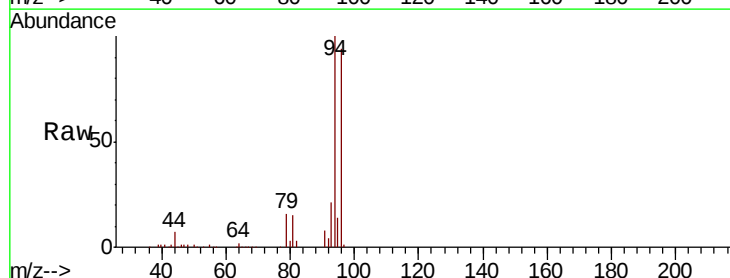
Acq: 20 Apr 2020 10:38

Tgt Ion: 94 Resp: 83947

Ion Ratio Lower Upper

94 100

96 94.0 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU037785.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU037785.D (-153) (-)

1.87

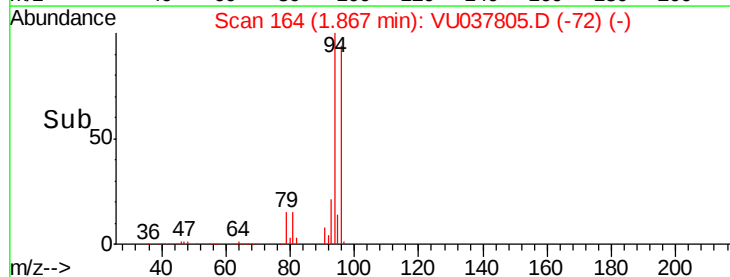
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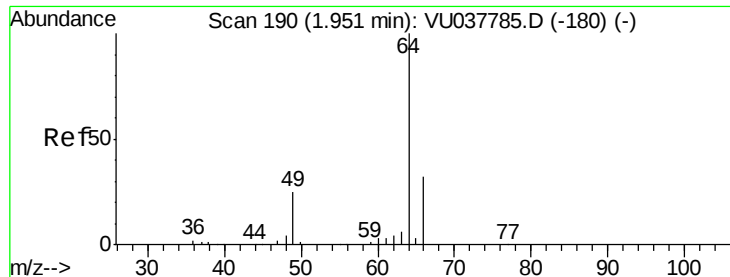
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20000

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Time-->

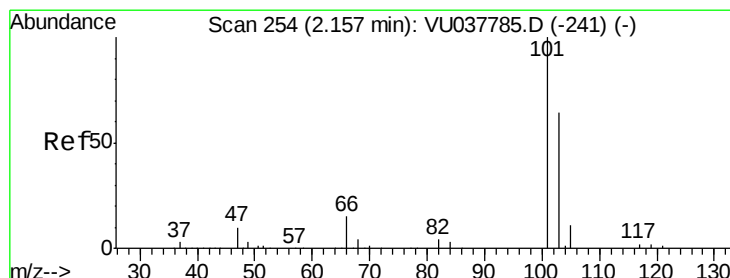
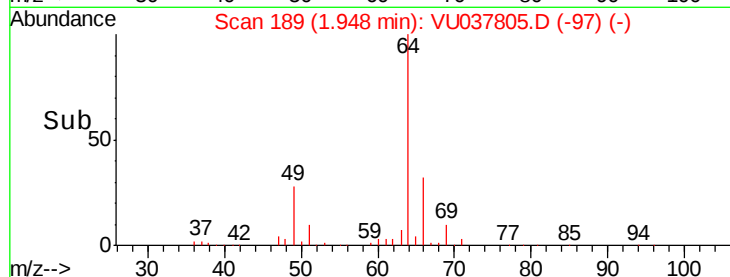
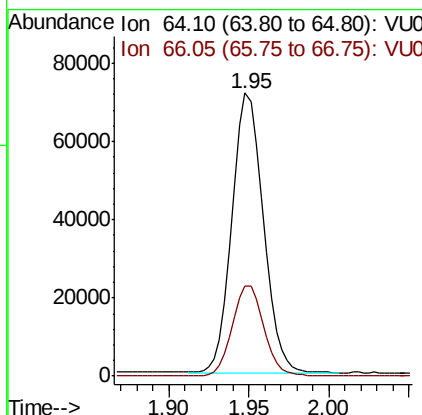
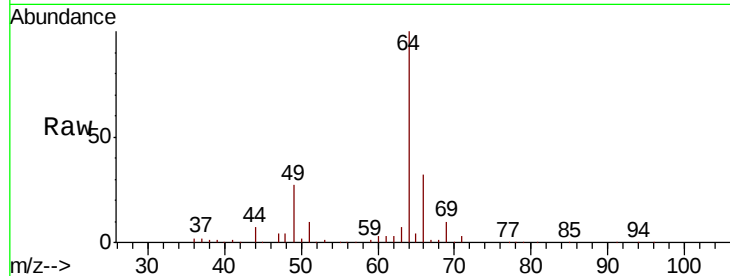




#8
 Chloroethane
 Concen: 5.386 ug/L
 RT: 1.95 min Scan# 189
 Delta R.T. -0.00 min
 Lab File: VU037805.D
 Acq: 20 Apr 2020 10:38

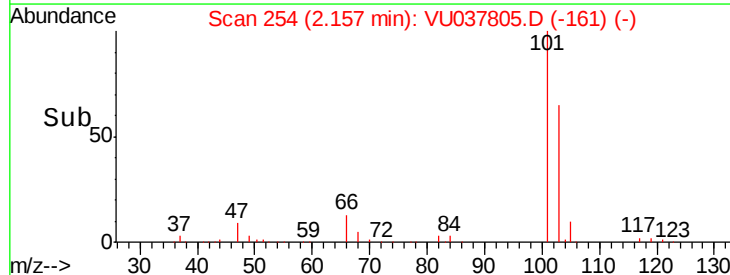
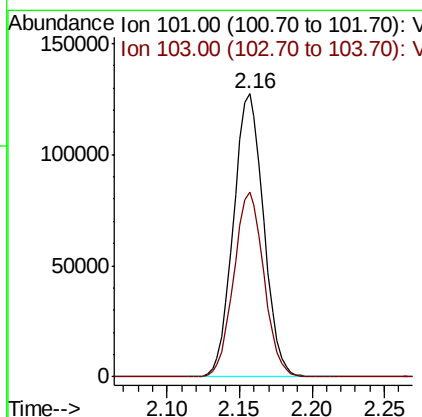
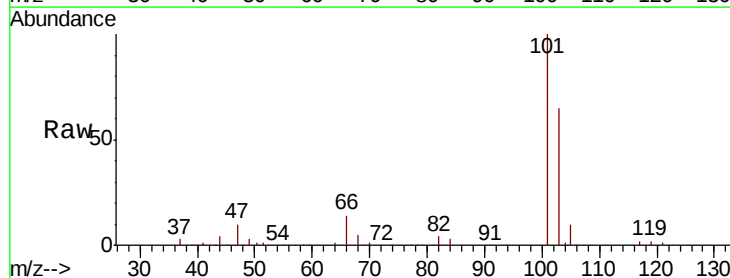
Instrument :
 MSVOA_U
 ClientSampleId :

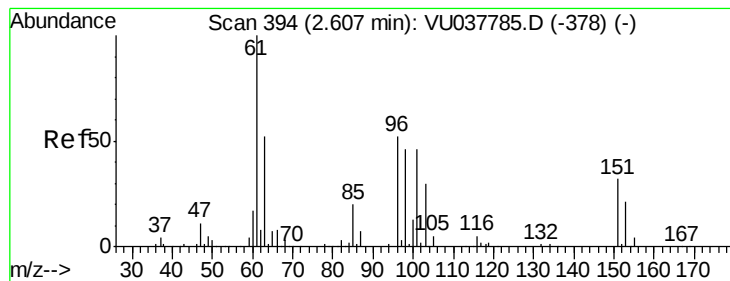
Tot Ion: 64 Resp: 95272
 Ion Ratio Lower Upper
 64 100
 66 31.9 22.3 41.5



#9
 Trichlorofluoromethane
 Concen: 5.687 ug/L
 RT: 2.16 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VU037805.D
 Acq: 20 Apr 2020 10:38

Tgt Ion:101 Resp: 183824
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.0 76.6





#10

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

Concen: 5.626 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

Instrument :

MSVOA_U

ClientSampleId :

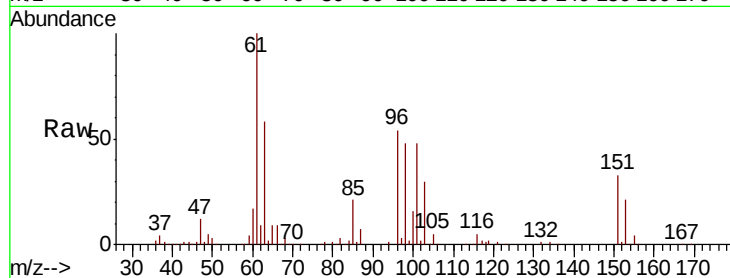
Tot Ion:101 Resp: 105871

Ion Ratio Lower Upper

101 100

85 44.1 34.5 51.7

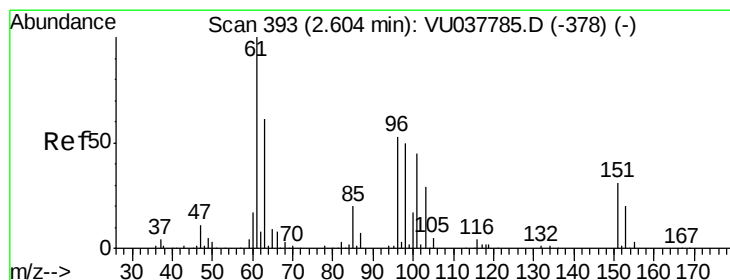
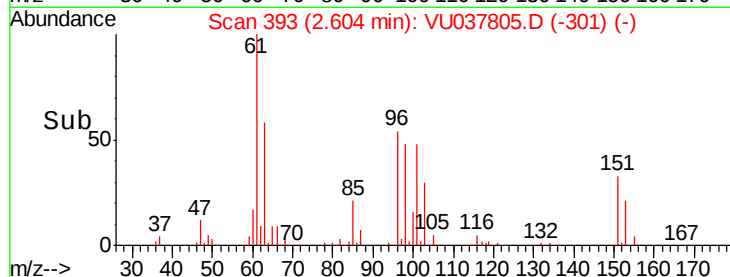
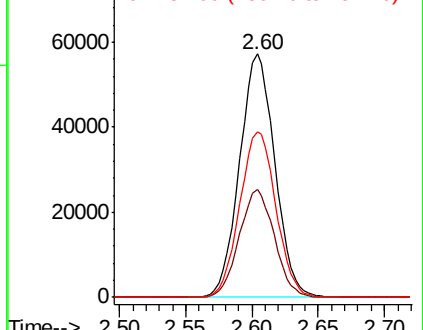
151 69.5 56.9 85.3



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: 5.219 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

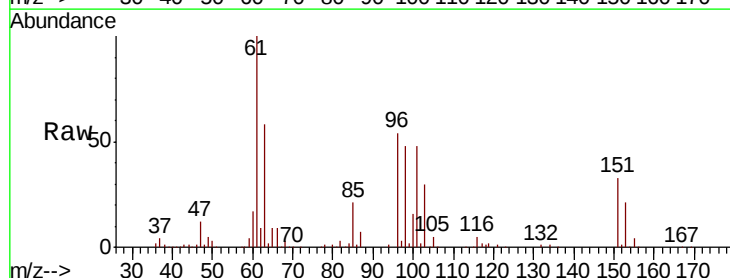
Tgt Ion: 96 Resp: 102954

Ion Ratio Lower Upper

96 100

61 184.1 127.7 237.3

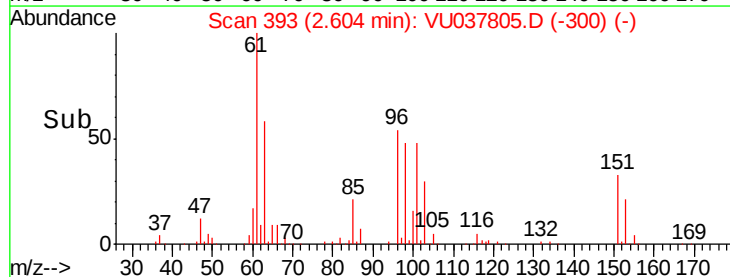
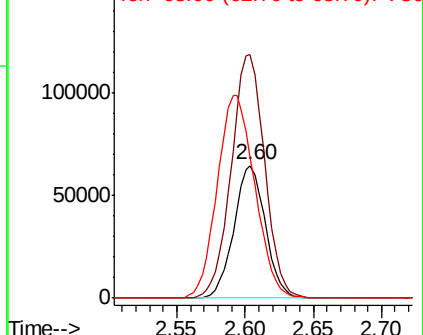
63 107.1 85.0 157.8

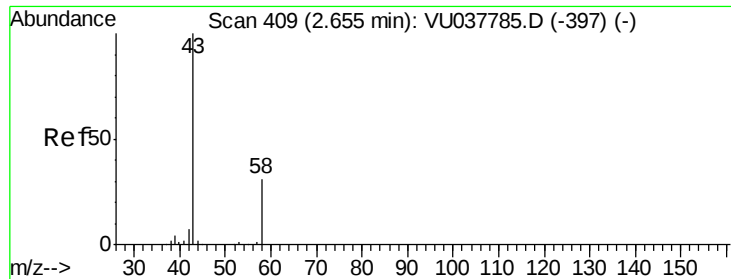


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 56.458 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

Instrument :

MSVOA_U

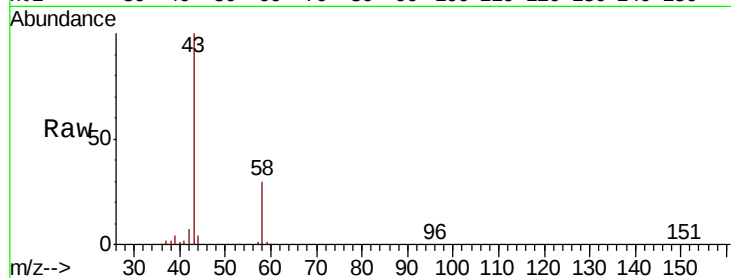
ClientSampleId :

Tot Ion: 43 Resp: 221151

Ion Ratio Lower Upper

43 100

58 29.7 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037785.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU037785.D (-397) (-)

2.65

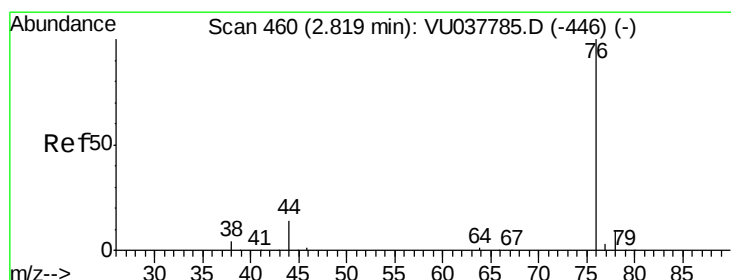
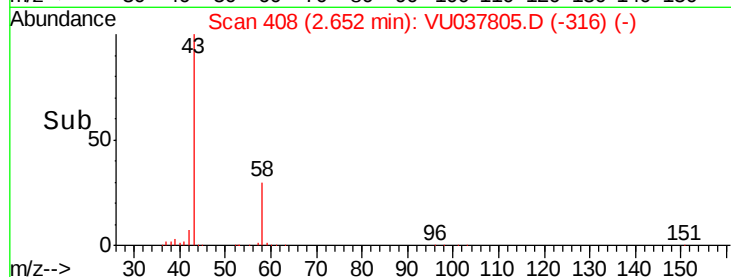
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 5.085 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037805.D

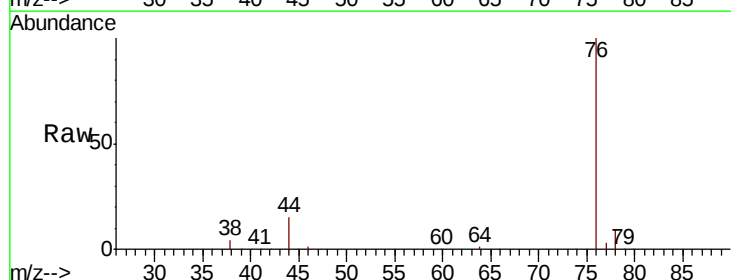
Acq: 20 Apr 2020 10:38

Tgt Ion: 76 Resp: 366284

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU037785.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037785.D (-446) (-)

2.82

250000

200000

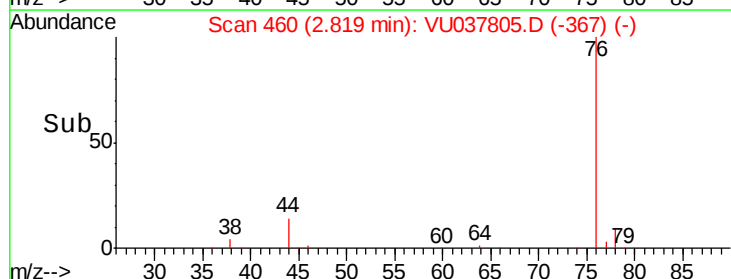
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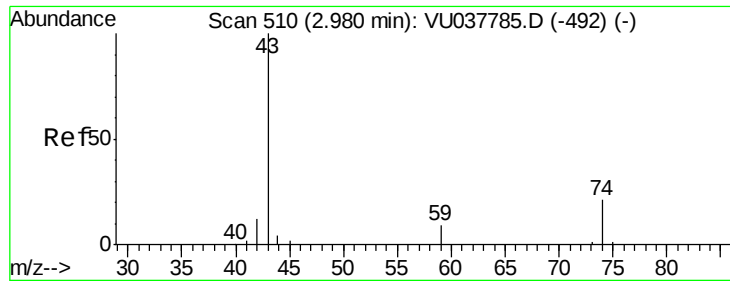
100000

50000

0

Time-->

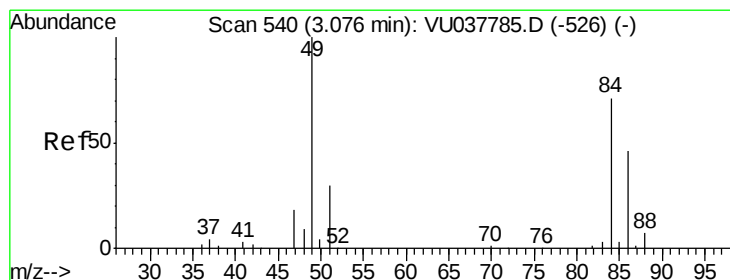
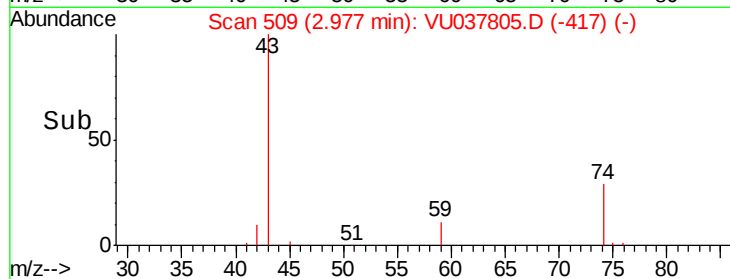
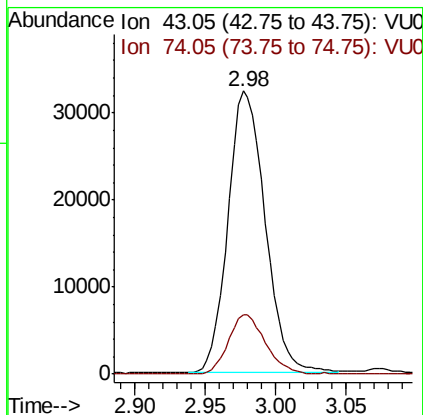
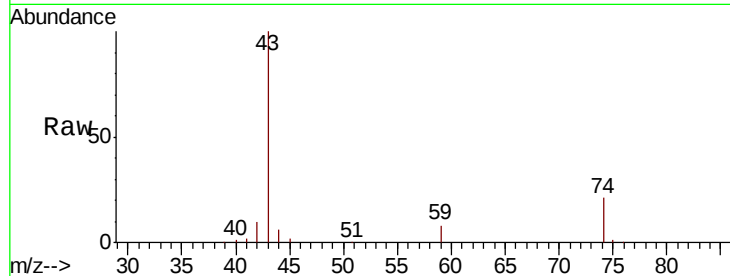




#15
Methvl Acetate
Concen: 5.480 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.00 min
Lab File: VU037805.D
Acq: 20 Apr 2020 10:38

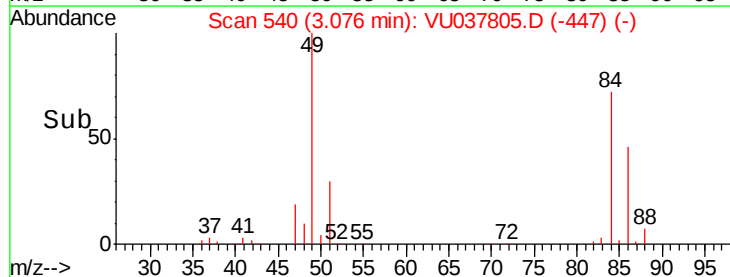
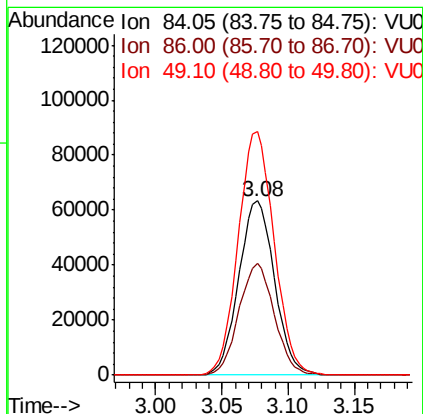
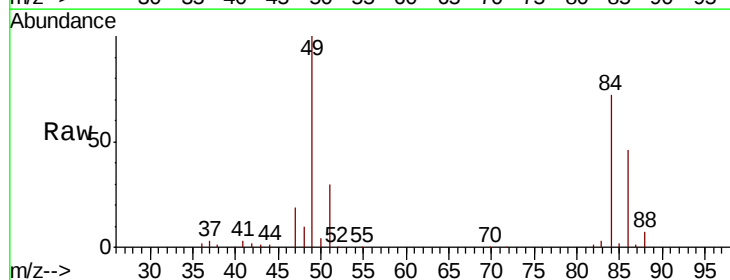
Instrument :
MSVOA_U
ClientSampleId :

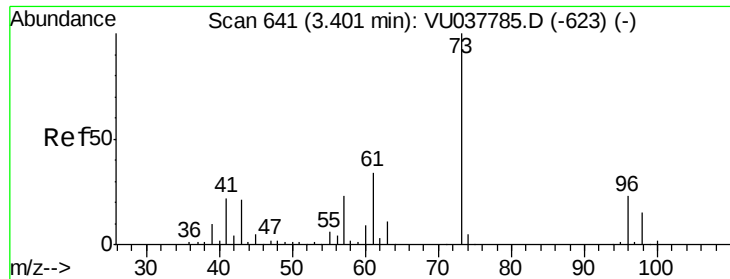
Tot Ion: 43 Resp: 59685
Ion Ratio Lower Upper
43 100
74 21.0 17.2 25.8



#16
Methylene chloride
Concen: 5.365 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037805.D
Acq: 20 Apr 2020 10:38

Tgt Ion: 84 Resp: 119332
Ion Ratio Lower Upper
84 100
86 64.0 44.2 82.0
49 139.8 92.4 171.6

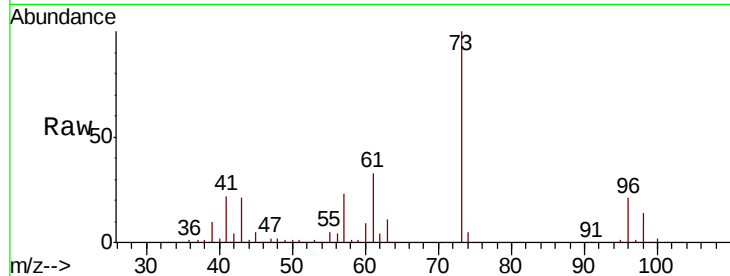




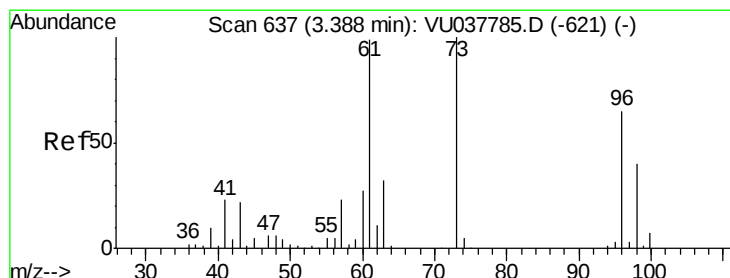
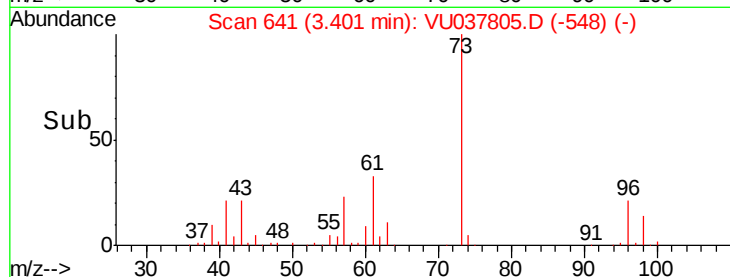
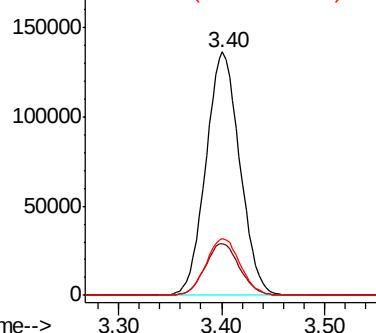
#17
Methvl tert-butvl Ether
Concen: 5.459 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU037805.D
Acq: 20 Apr 2020 10:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 311857
Ion Ratio Lower Upper
73 100
43 21.4 16.4 24.6
57 23.7 18.4 27.6

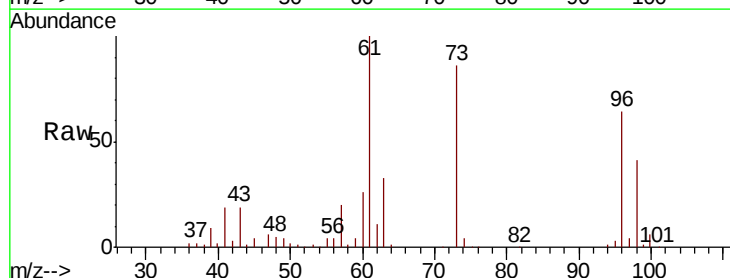


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

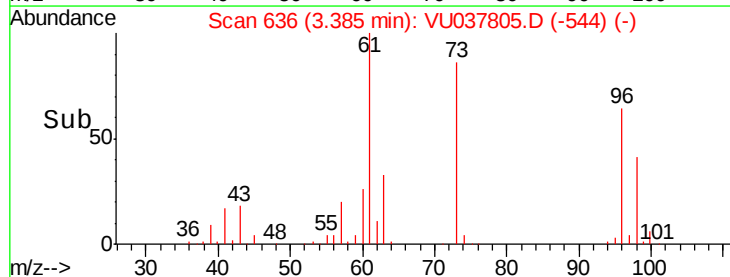
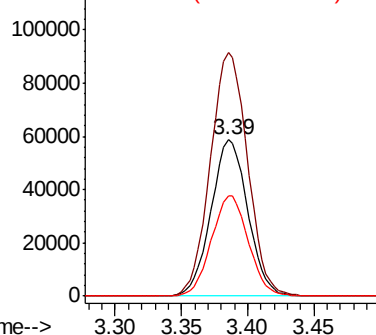


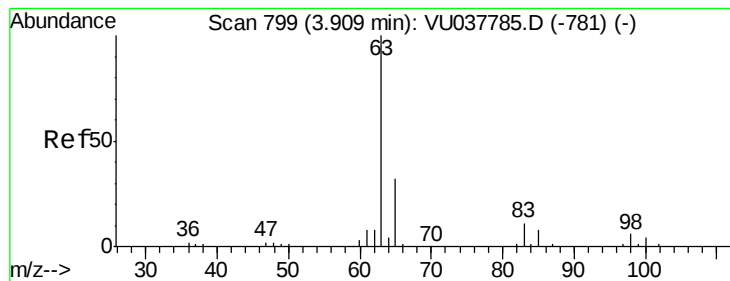
#18
trans-1,2-Dichloroethene
Concen: 5.312 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037805.D
Acq: 20 Apr 2020 10:38

Tgt Ion: 96 Resp: 113613
Ion Ratio Lower Upper
96 100
61 156.0 106.7 198.3
98 64.2 44.3 82.3



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





#19

1,1-Dichloroethane

Concen: 5.658 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

Instrument :

MSVOA_U

ClientSampled :

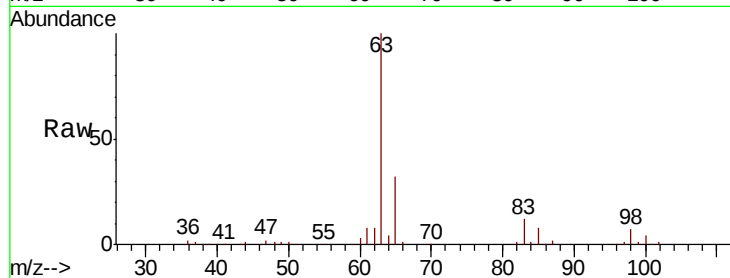
Tot Ion: 63 Resp: 234090

Ion Ratio Lower Upper

63 100

65 31.5 21.6 40.2

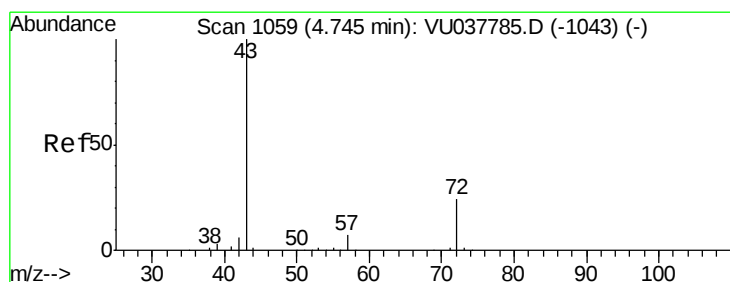
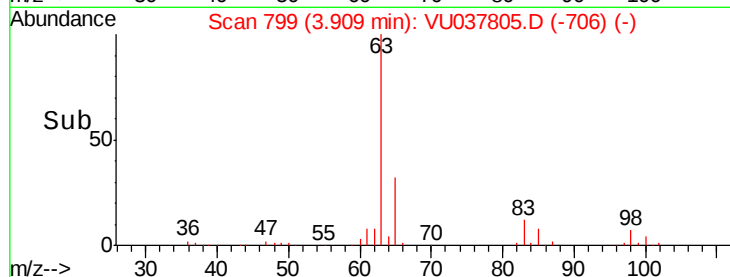
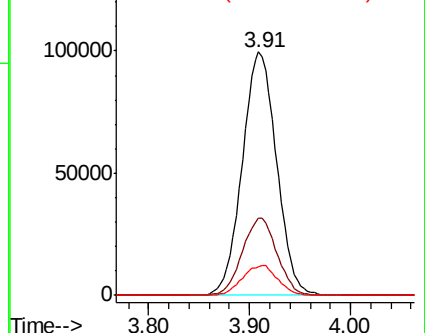
83 12.0 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU037805.D (-781) (-)

Ion 65.10 (64.80 to 65.80): VU037805.D (-781) (-)

Ion 83.05 (82.75 to 83.75): VU037805.D (-781) (-)



#21

2-Butanone

Concen: 56.433 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VU037805.D

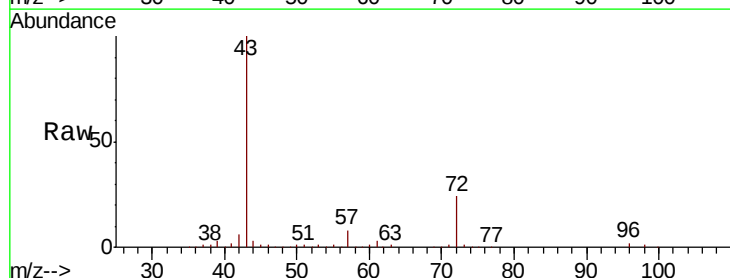
Acq: 20 Apr 2020 10:38

Tgt Ion: 43 Resp: 401631

Ion Ratio Lower Upper

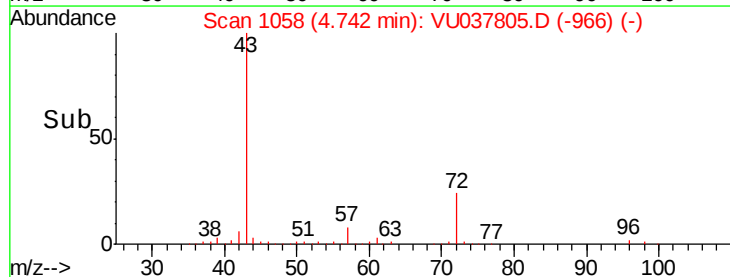
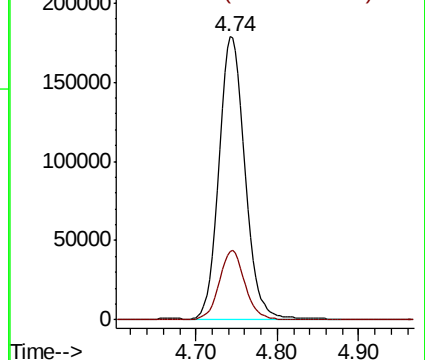
43 100

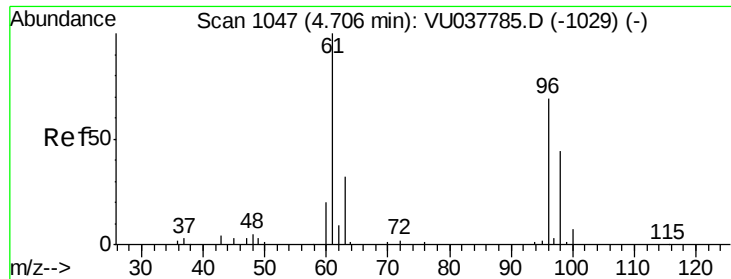
72 24.5 12.6 37.6



Abundance Ion 43.05 (42.75 to 43.75): VU037805.D (-966) (-)

Ion 72.10 (71.80 to 72.80): VU037805.D (-966) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.498 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

Instrument :

MSVOA_U

ClientSampled :

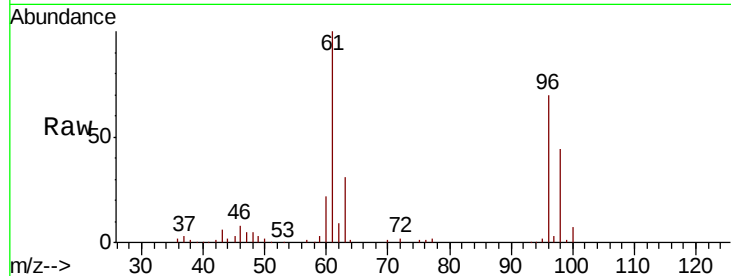
Tot Ion: 96 Resp: 127065

Ion Ratio Lower Upper

96 100

61 143.1 97.0 180.2

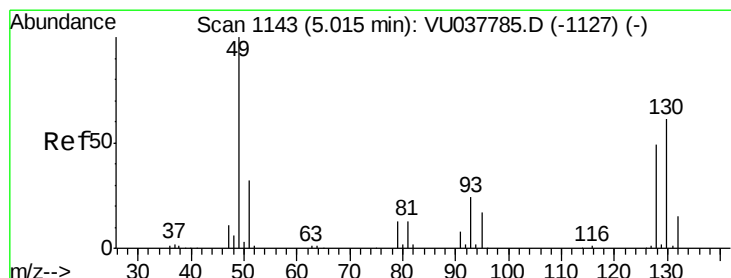
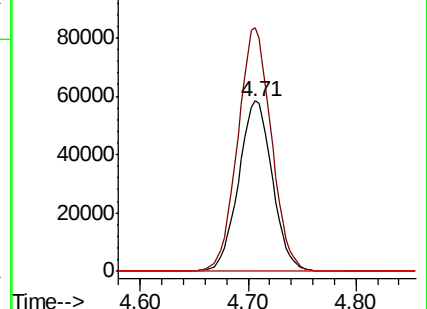
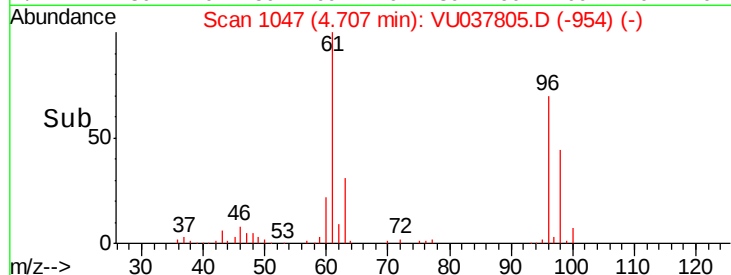
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037805.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU037805.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU037805.D (-954) (-)



#23

Bromochloromethane

Concen: 5.454 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

Tgt Ion: 128 Resp: 53419

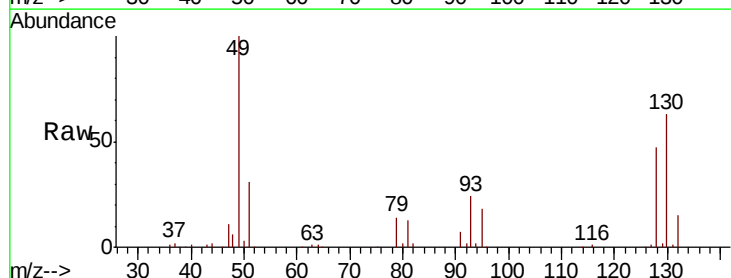
Ion Ratio Lower Upper

128 100

49 212.1 138.6 257.4

130 133.0 91.3 169.5

51 66.6 49.3 73.9

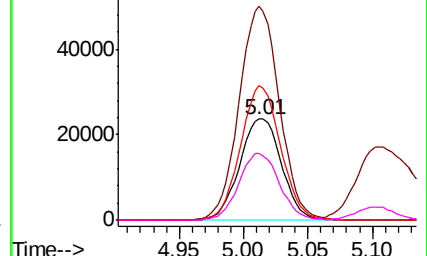
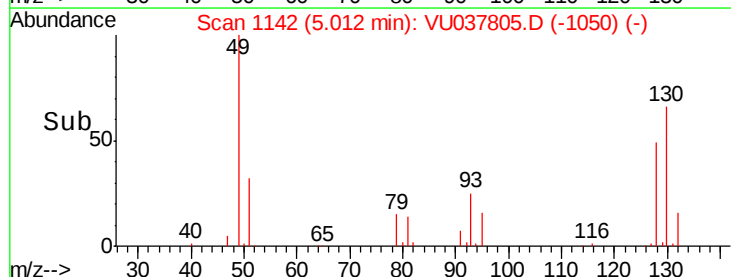


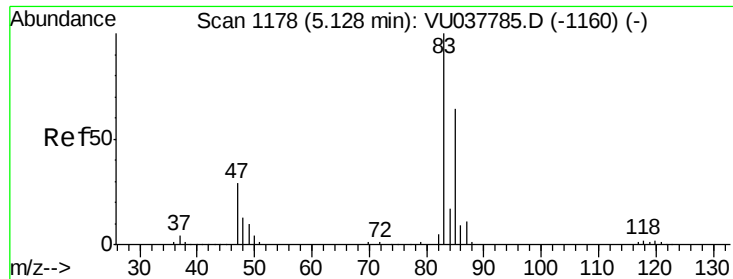
Abundance Ion 127.90 (127.60 to 128.60): VU037805.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU037805.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU037805.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU037805.D (-1050) (-)

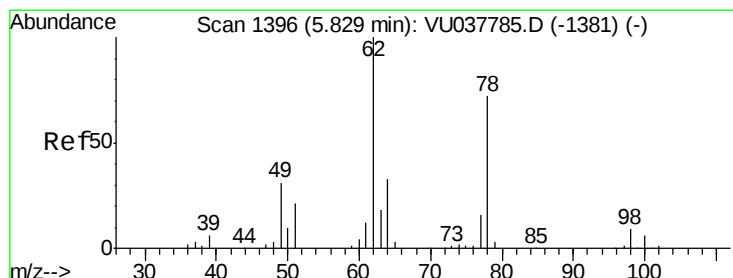
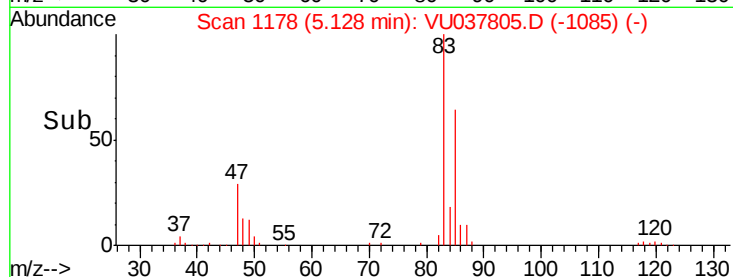
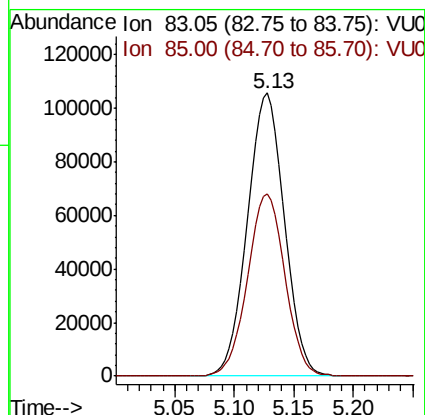
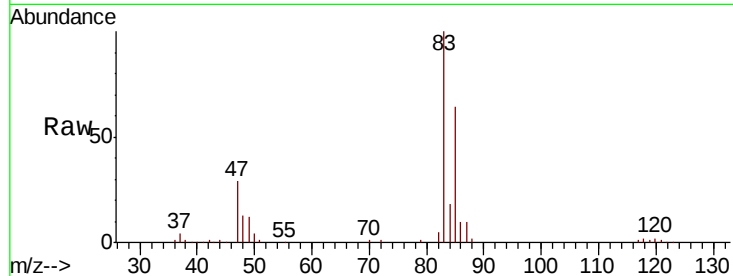




#25
Chloroform
Concen: 5.793 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037805.D
Acq: 20 Apr 2020 10:38

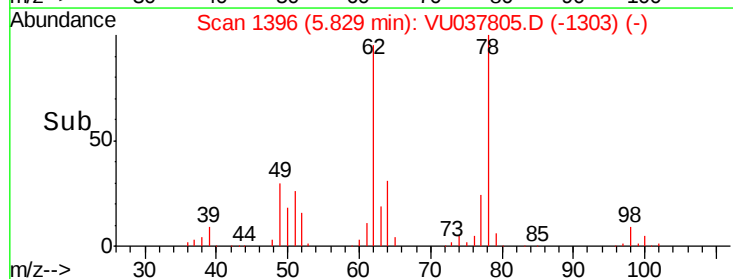
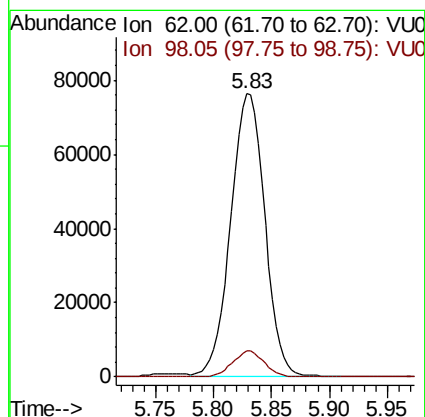
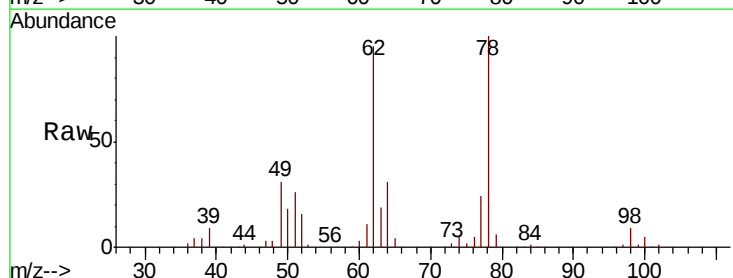
Instrument :
MSVOA_U
ClientSampleId :

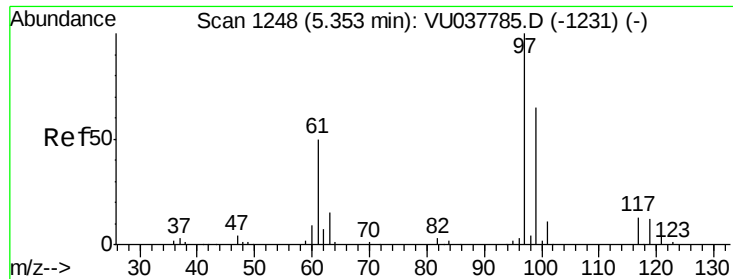
Tot Ion: 83 Resp: 227660
Ion Ratio Lower Upper
83 100
85 64.3 44.9 83.3



#27
1,2-Dichloroethane
Concen: 5.871 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU037805.D
Acq: 20 Apr 2020 10:38

Tgt Ion: 62 Resp: 155963
Ion Ratio Lower Upper
62 100
98 9.0 7.6 11.4

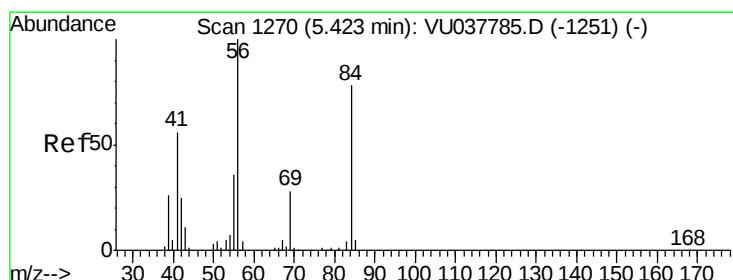
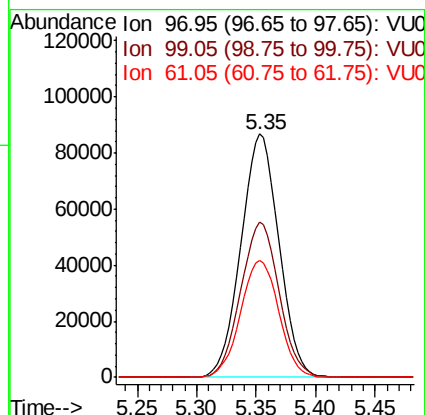
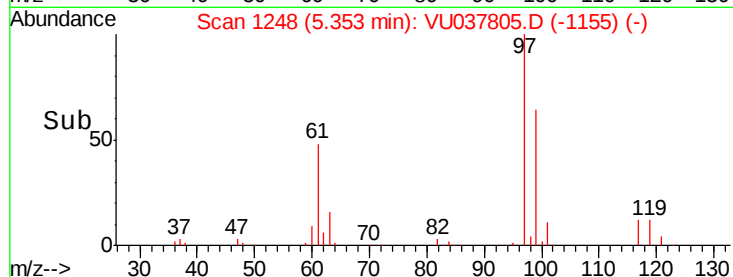
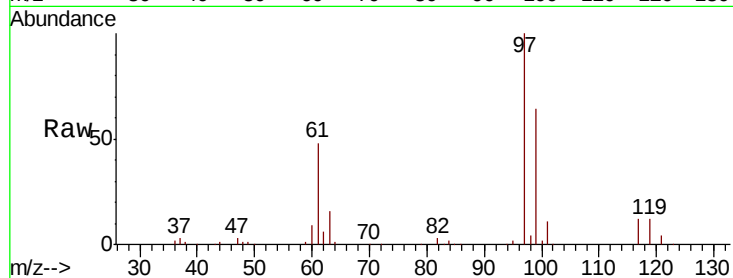




#29
 1,1,1-Trichloroethane
 Concen: 5.712 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU037805.D
 Acq: 20 Apr 2020 10:38

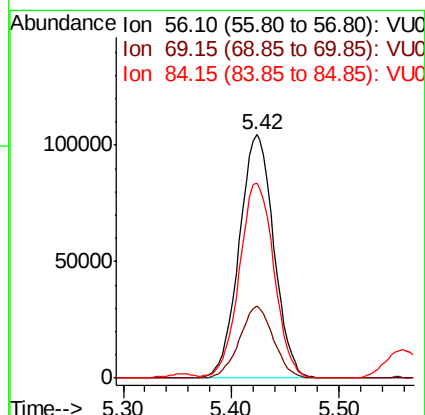
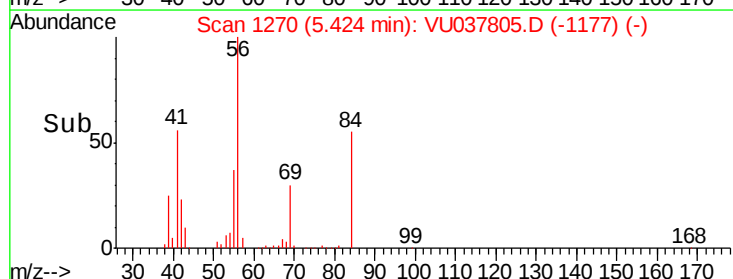
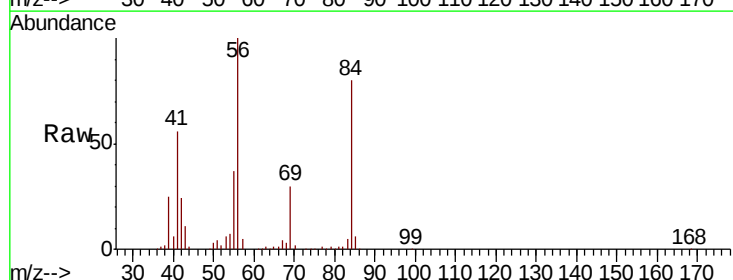
Instrument :
 MSVOA_U
 ClientSampled :

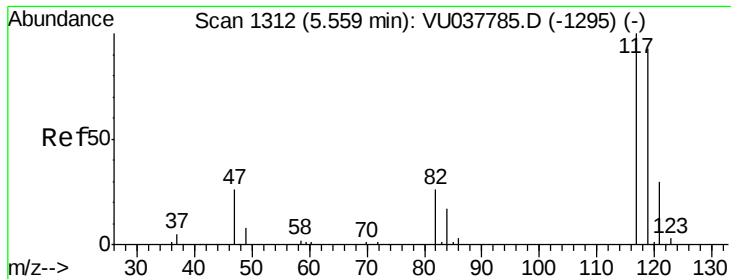
Tot Ion: 97 Resp: 191679
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.0 78.0
 61 48.5 37.8 56.8



#30
 Cyclohexane
 Concen: 5.622 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU037805.D
 Acq: 20 Apr 2020 10:38

Tgt Ion: 56 Resp: 233524
 Ion Ratio Lower Upper
 56 100
 69 28.9 23.9 35.9
 84 80.1 65.6 98.4





#31

Carbon tetrachloride

Concen: 5.839 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

Instrument :

MSVOA_U

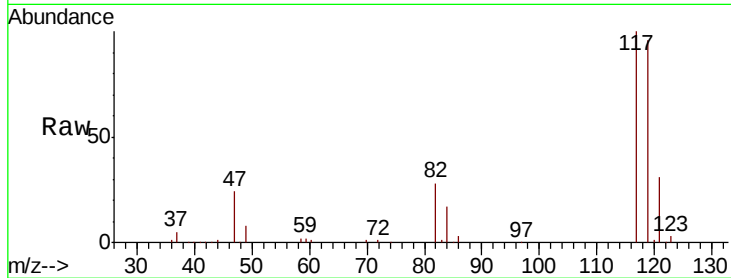
ClientSampleId :

Tot Ion:117 Resp: 156142

Ion Ratio Lower Upper

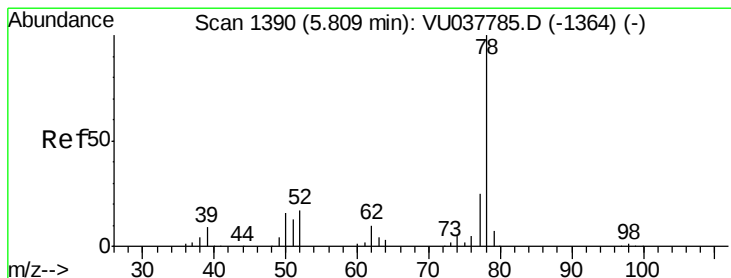
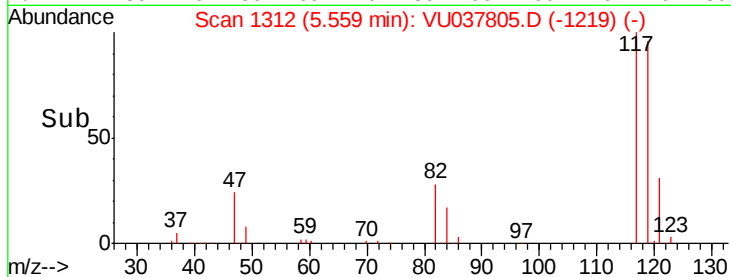
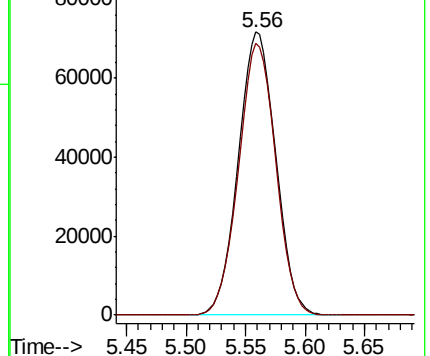
117 100

119 95.4 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.530 ug/L

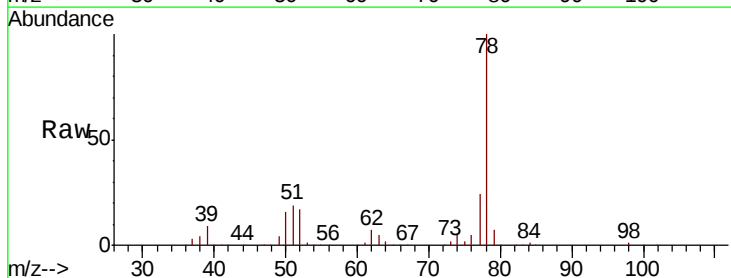
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

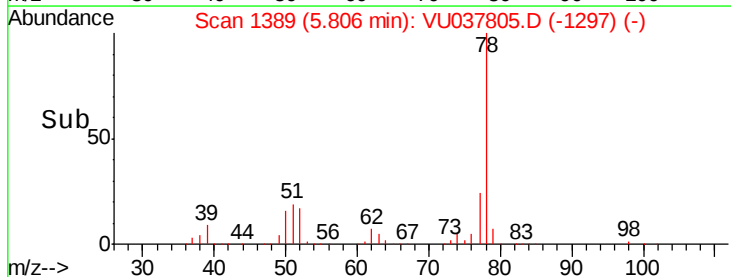
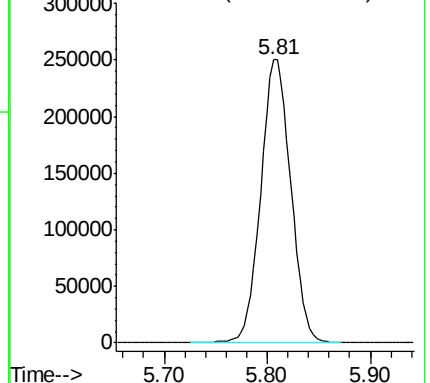
Lab File: VU037805.D

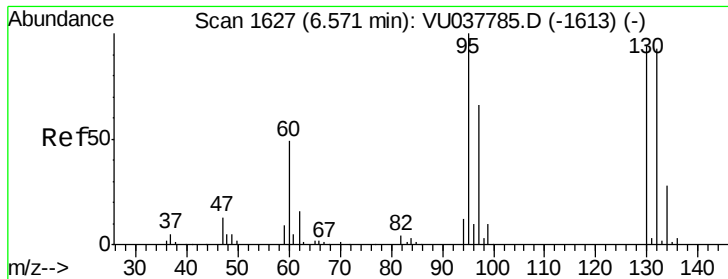
Acq: 20 Apr 2020 10:38

Tgt Ion: 78 Resp: 505276



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.653 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 126950

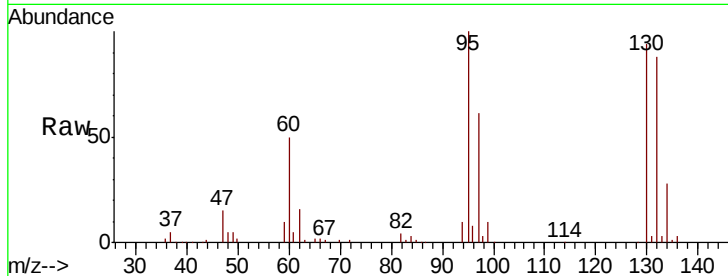
Ion Ratio Lower Upper

95 100

97 60.6 45.4 84.2

132 88.5 63.7 118.3

130 93.7 68.7 127.5

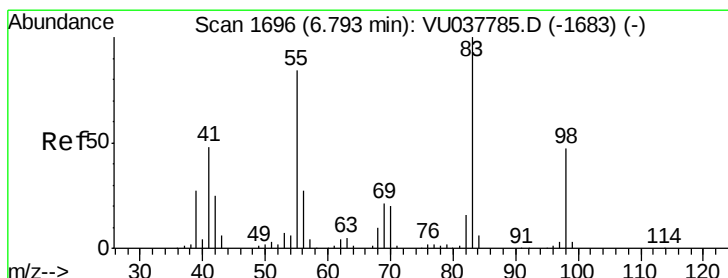
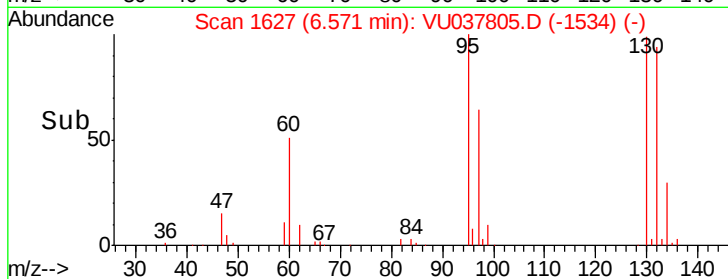
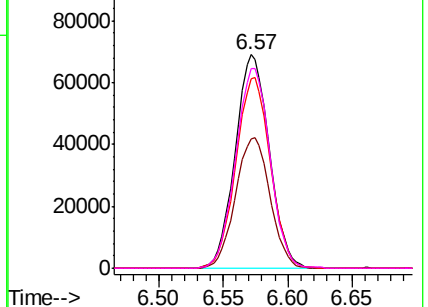


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.678 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

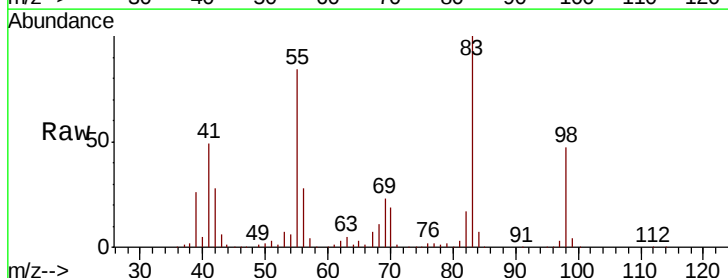
Tgt Ion: 83 Resp: 223451

Ion Ratio Lower Upper

83 100

55 83.7 65.5 98.3

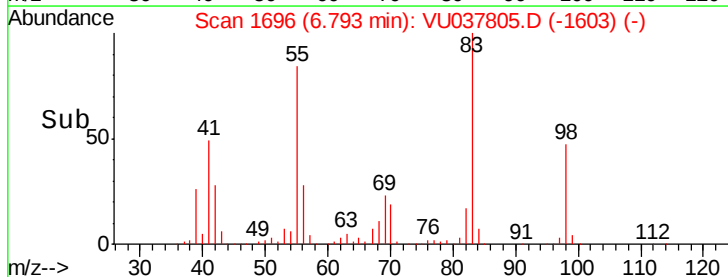
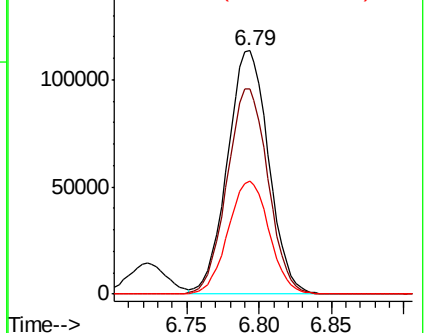
98 46.6 38.2 57.4

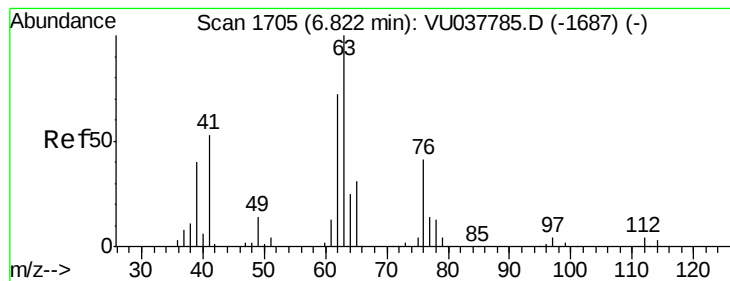


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.710 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

Instrument :

MSVOA_U

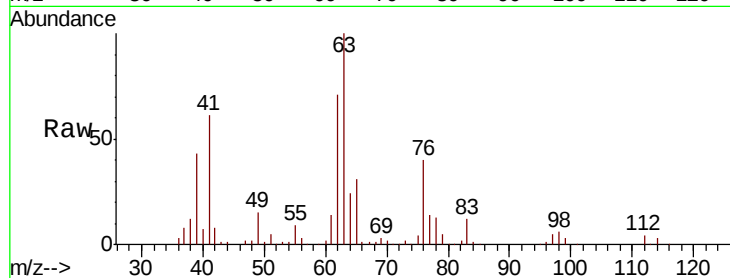
ClientSampled :

Tot Ion: 63 Resp: 138389

Ion Ratio Lower Upper

63 100

112 4.0 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VU037785.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU037785.D (-1687) (-)

6.82

80000

60000

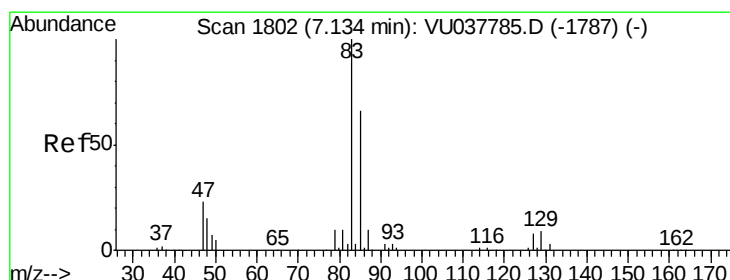
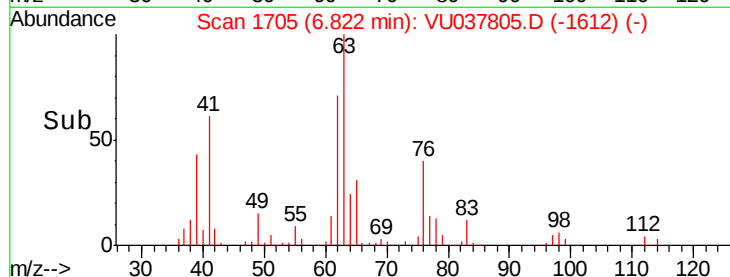
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.726 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

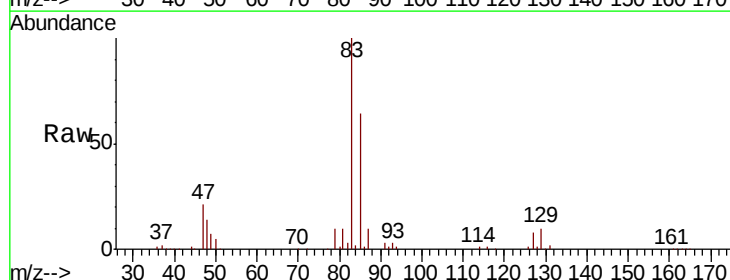
Tgt Ion: 83 Resp: 164994

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

127 7.9 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VU037785.D (-1787) (-)

Ion 85.00 (84.70 to 85.70): VU037785.D (-1787) (-)

Ion 126.90 (126.60 to 127.60): VU037785.D (-1787) (-)

7.13

120000

100000

80000

60000

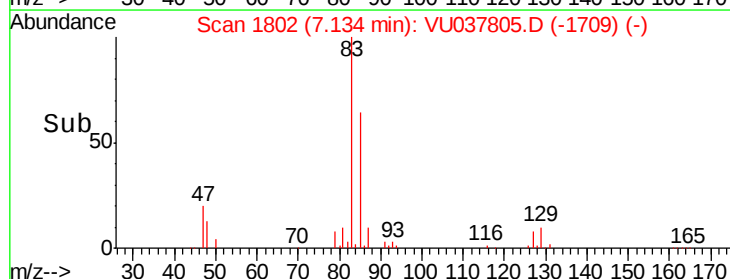
40000

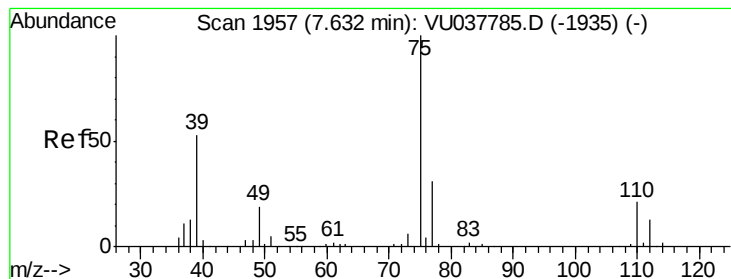
20000

0

7.05 7.10 7.15 7.20

Time-->



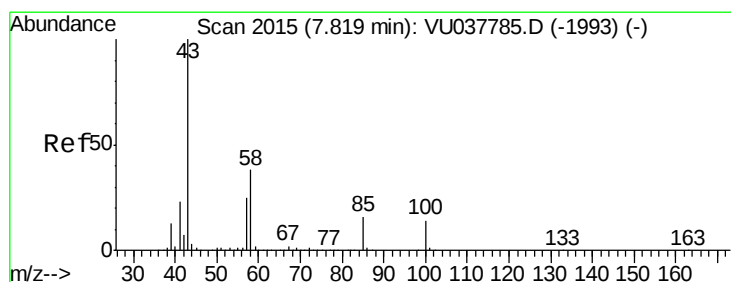
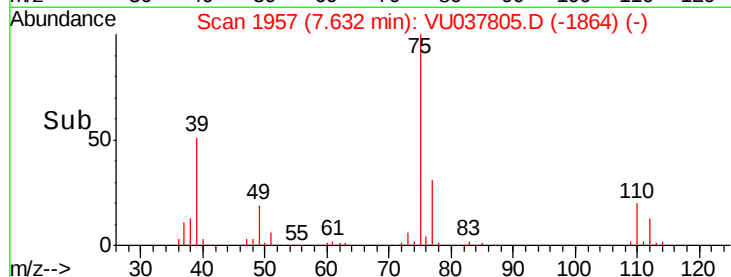
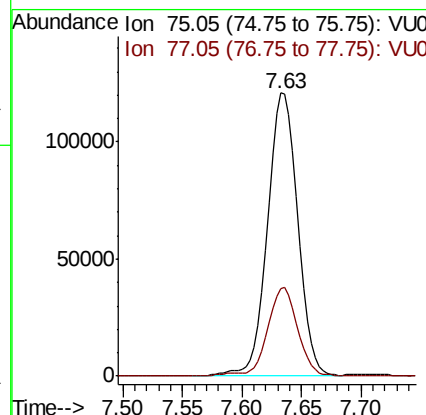
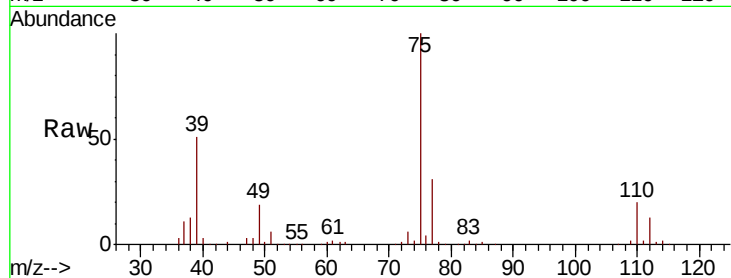


#39

cis-1,3-Dichloropropene
Concen: 5.627 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU037805.D
Acq: 20 Apr 2020 10:38

Instrument :
MSVOA_U
ClientSampleId :

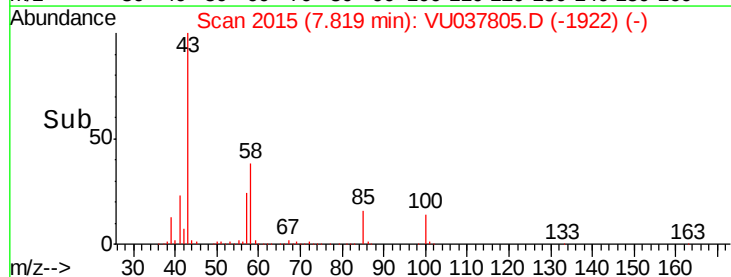
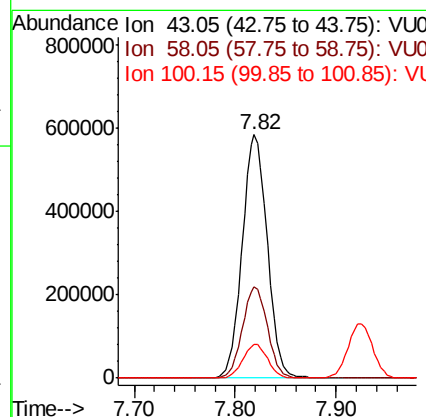
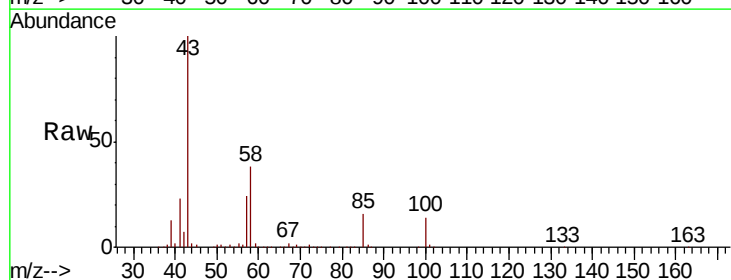
Tot Ion: 75 Resp: 213475
Ion Ratio Lower Upper
75 100
77 30.8 22.2 41.2

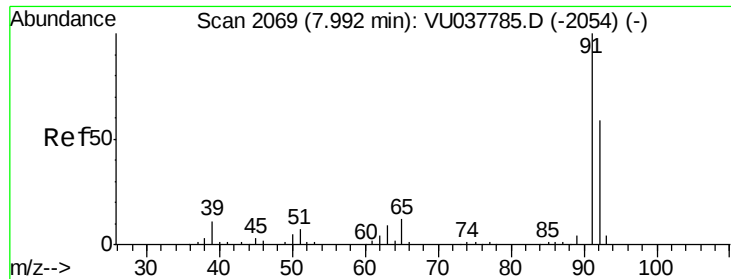


#40

4-Methyl-2-pentanone
Concen: 56.202 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. 0.00 min
Lab File: VU037805.D
Acq: 20 Apr 2020 10:38

Tgt Ion: 43 Resp: 1001330
Ion Ratio Lower Upper
43 100
58 37.7 31.3 46.9
100 13.7 11.5 17.3





#42

Toluene

Concen: 5.601 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

Instrument :

MSVOA_U

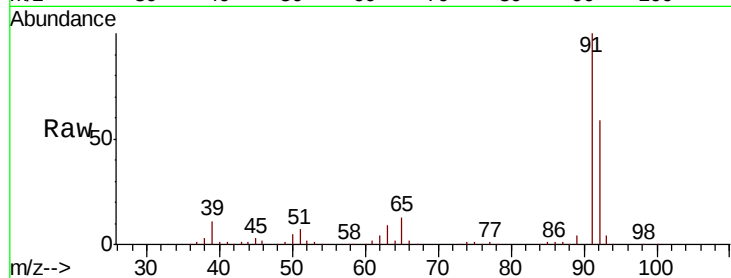
ClientSampleId :

Tot Ion: 91 Resp: 536055

Ion Ratio Lower Upper

91 100

92 59.4 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU037785.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU037785.D (-2054) (-)

8.00

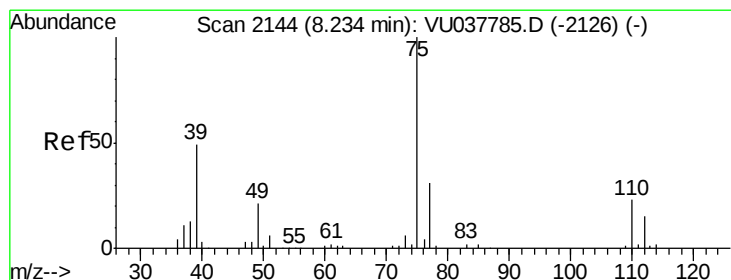
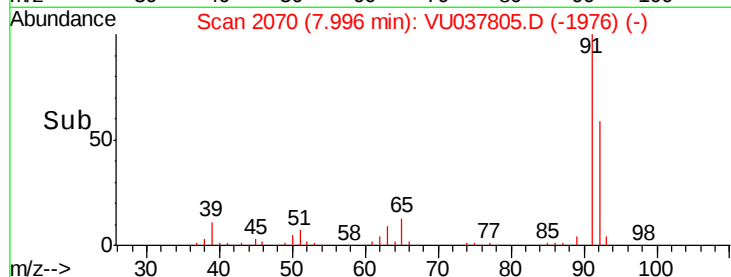
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.675 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037805.D

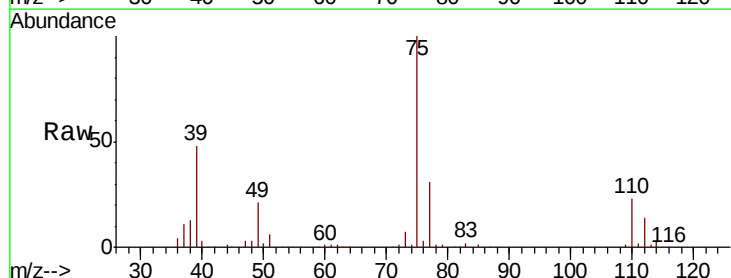
Acq: 20 Apr 2020 10:38

Tgt Ion: 75 Resp: 186894

Ion Ratio Lower Upper

75 100

77 31.4 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VU037785.D (-2126) (-)

Ion 77.05 (76.75 to 77.75): VU037785.D (-2126) (-)

8.23

120000

100000

80000

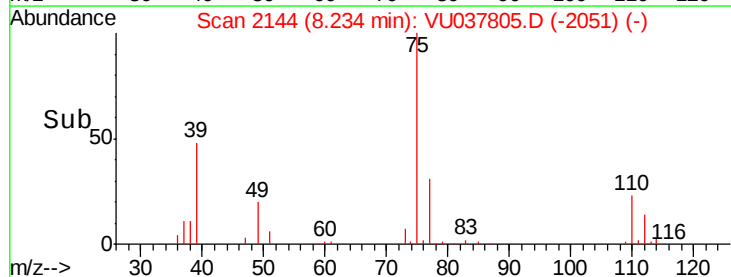
60000

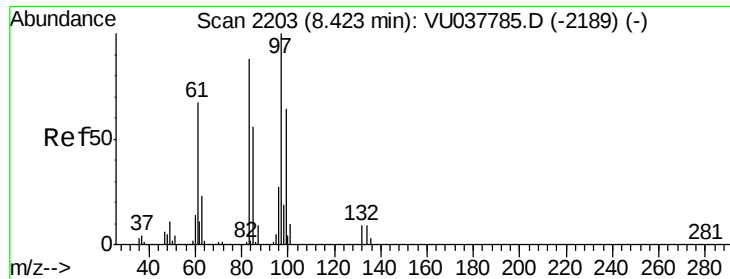
40000

20000

0

Time-->

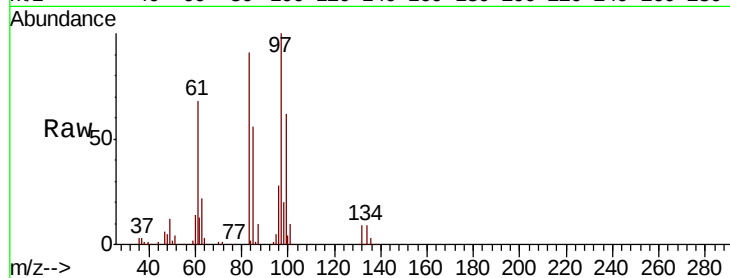




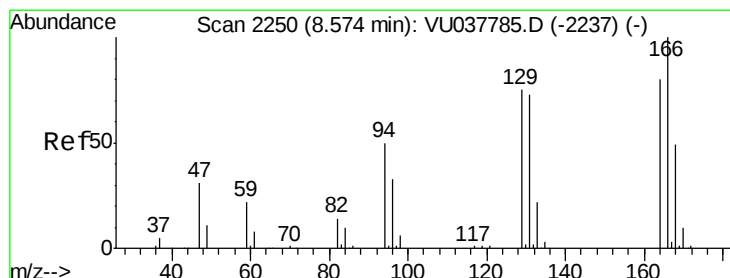
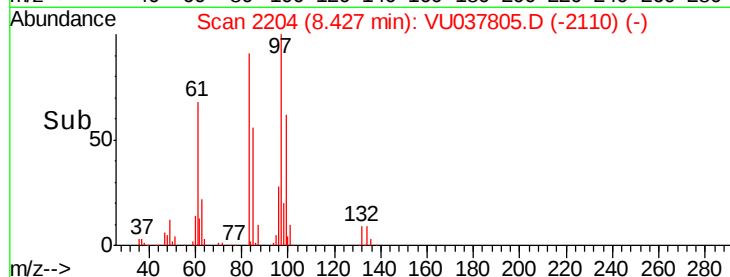
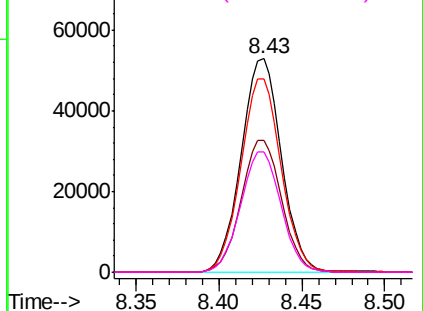
#45
 1,1,2-Trichloroethane
 Concen: 5.475 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037805.D
 Acq: 20 Apr 2020 10:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	89405
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.1	80.1
83	90.5	62.4	116.0
85	56.4	39.6	73.6

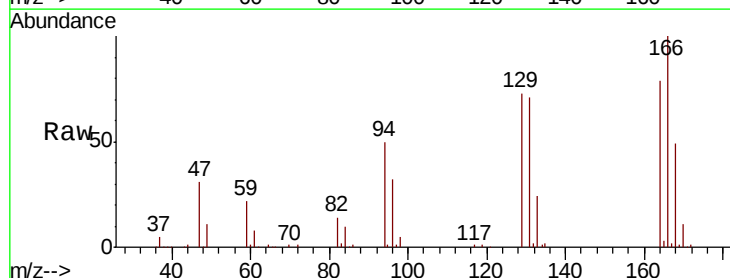


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

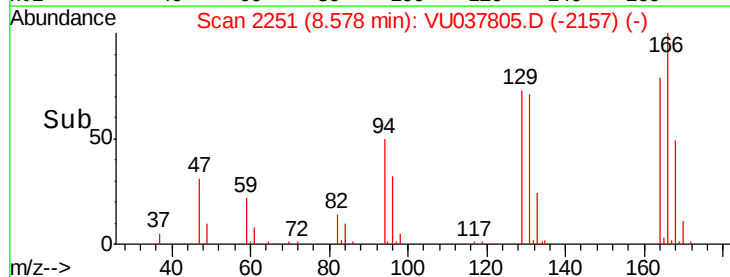
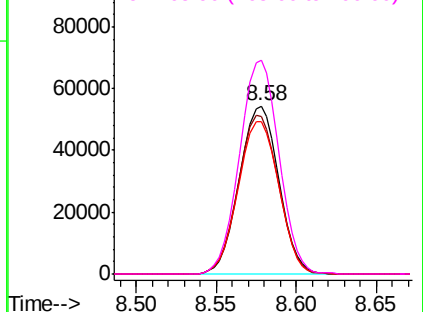


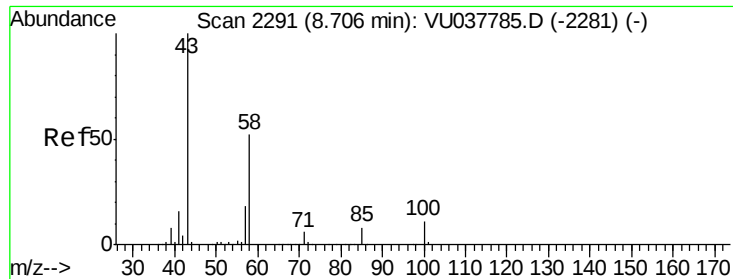
#47
 Tetrachloroethene
 Concen: 5.673 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037805.D
 Acq: 20 Apr 2020 10:38

Tgt Ion:	164	Resp:	91544
Ion	Ratio	Lower	Upper
164	100		
129	93.2	68.1	126.5
131	90.4	65.9	122.5
166	127.0	89.7	166.7



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

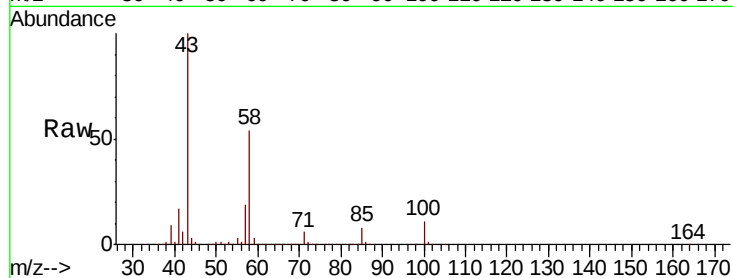




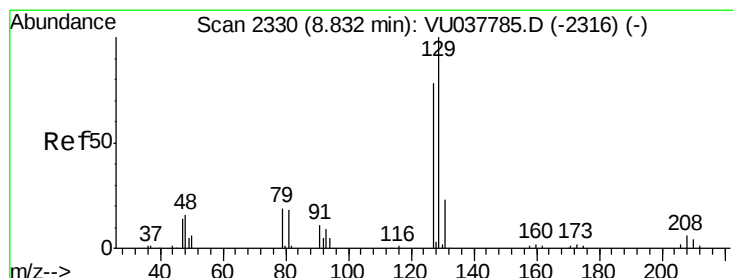
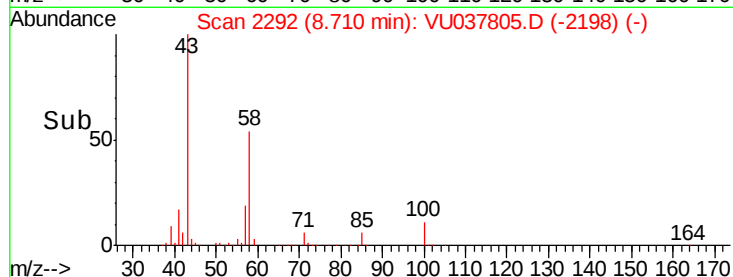
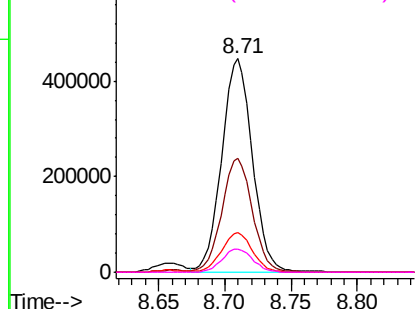
#48
2-Hexanone
Concen: 56.091 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037805.D
Acq: 20 Apr 2020 10:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 715515
Ion Ratio Lower Upper
43 100
58 53.7 43.6 65.4
57 18.6 15.4 23.0
100 10.9 9.1 13.7

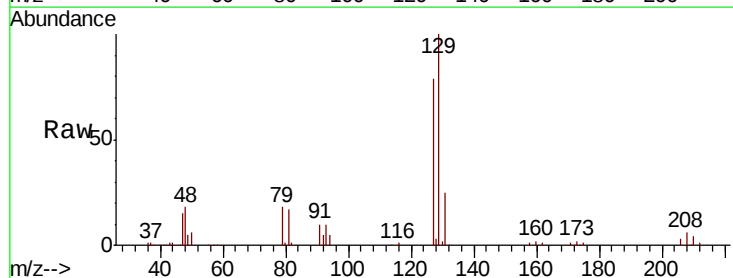


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

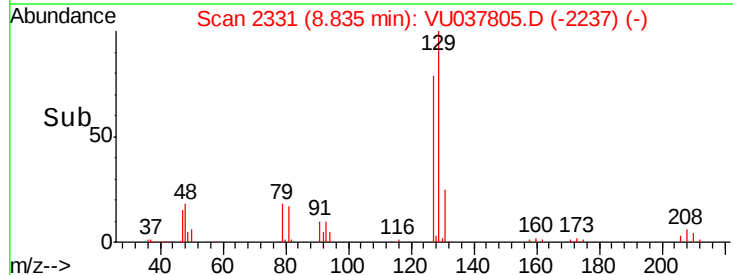
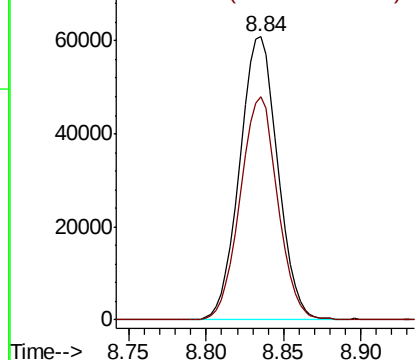


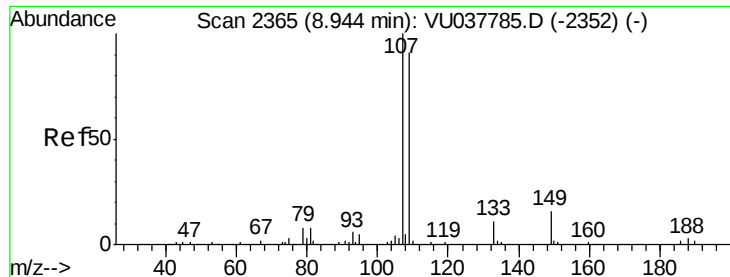
#49
Dibromochloromethane
Concen: 5.591 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037805.D
Acq: 20 Apr 2020 10:38

Tgt Ion: 129 Resp: 104353
Ion Ratio Lower Upper
129 100
127 78.8 53.3 98.9



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

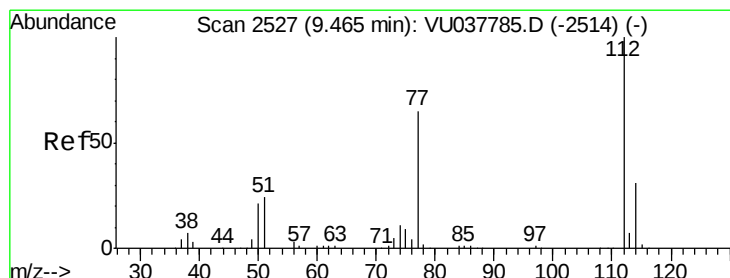
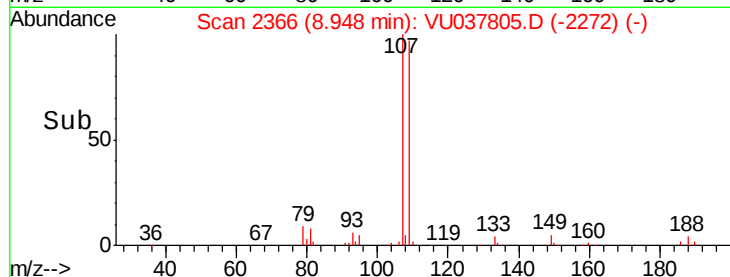
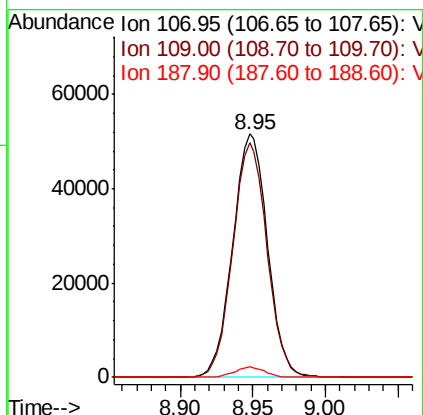
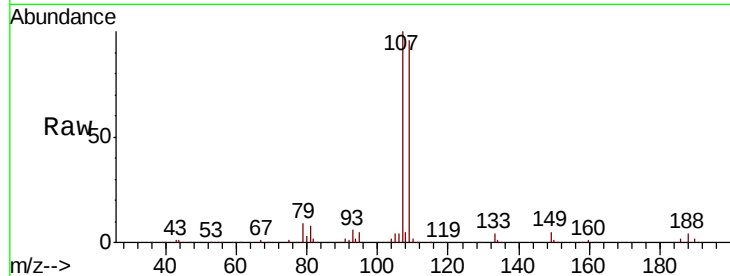




#50
 1,2-Dibromoethane
 Concen: 5.472 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037805.D
 Acq: 20 Apr 2020 10:38

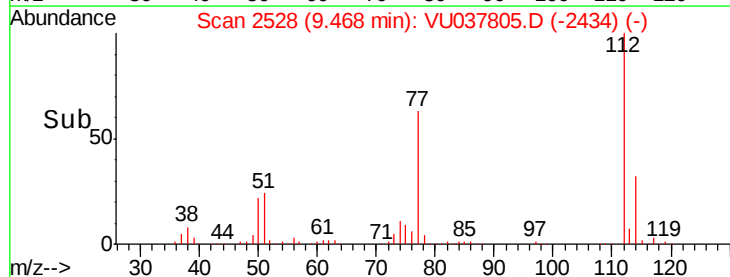
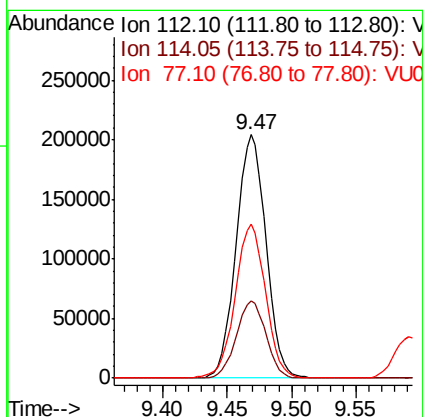
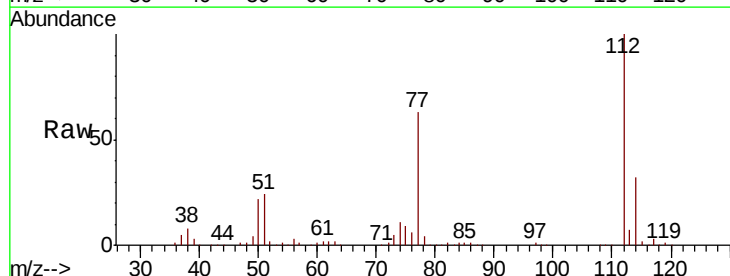
Instrument :
 MSVOA_U
 ClientSampleId :

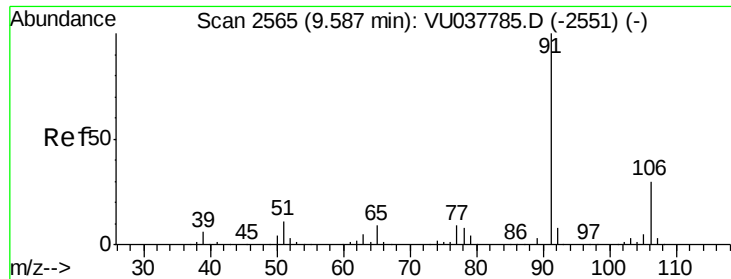
Tot Ion:107 Resp: 85935
 Ion Ratio Lower Upper
 107 100
 109 96.4 66.3 123.1
 188 4.4 2.5 3.7#



#51
 Chlorobenzene
 Concen: 5.637 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037805.D
 Acq: 20 Apr 2020 10:38

Tgt Ion:112 Resp: 329163
 Ion Ratio Lower Upper
 112 100
 114 31.9 22.6 42.0
 77 63.0 50.2 75.4

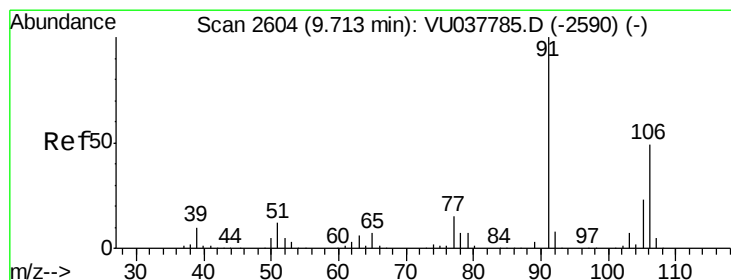
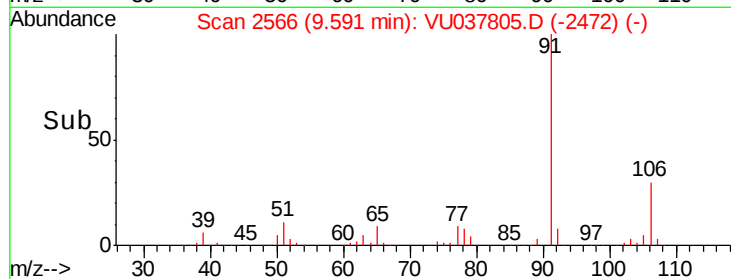
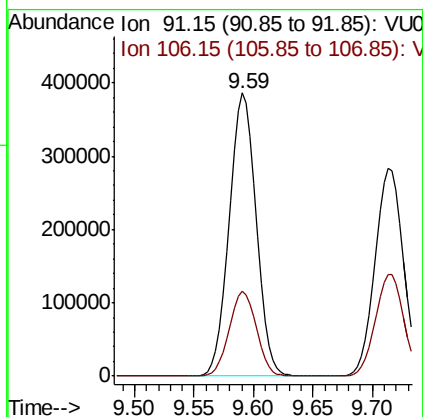
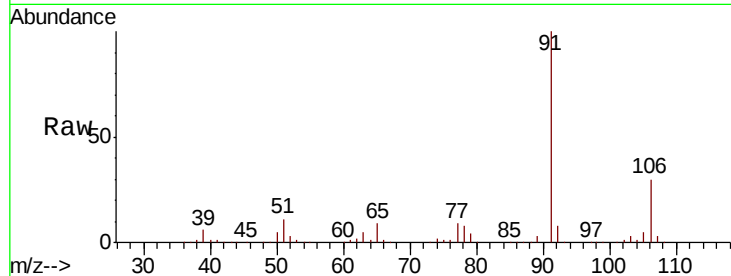




#52
Ethylbenzene
Concen: 5.709 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037805.D
Acq: 20 Apr 2020 10:38

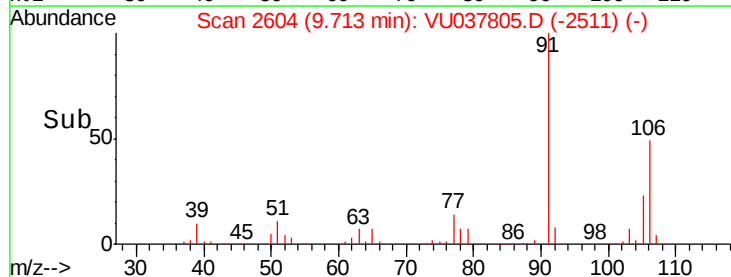
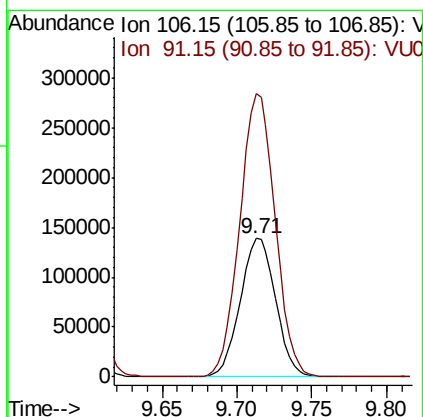
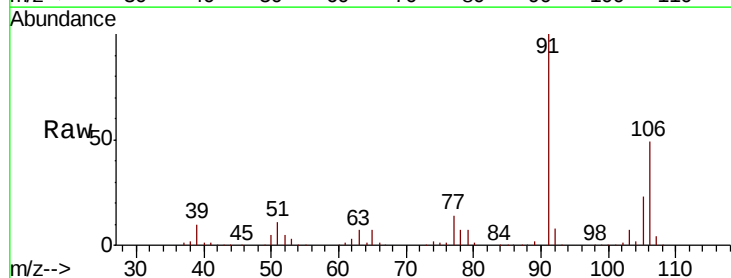
Instrument :
MSVOA_U
ClientSampleId :

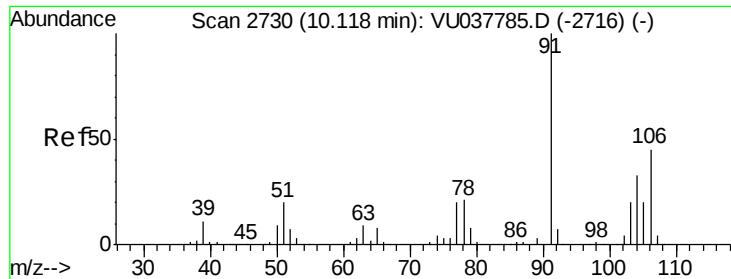
Tot Ion: 91 Resp: 607961
Ion Ratio Lower Upper
91 100
106 30.0 21.7 40.3



#53
m,p-Xylene
Concen: 5.655 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037805.D
Acq: 20 Apr 2020 10:38

Tgt Ion: 106 Resp: 227912
Ion Ratio Lower Upper
106 100
91 204.7 143.9 267.3

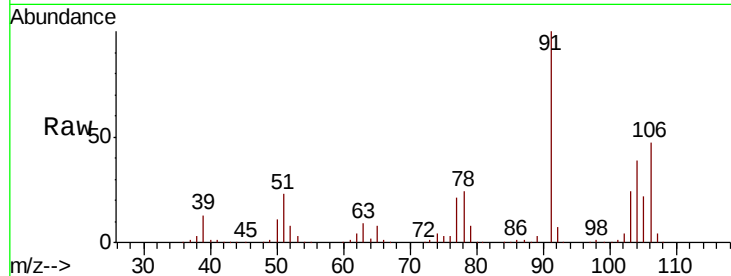




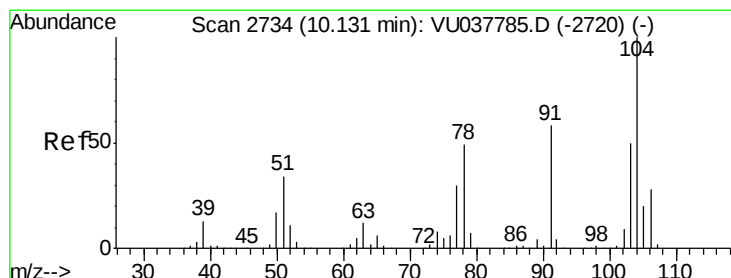
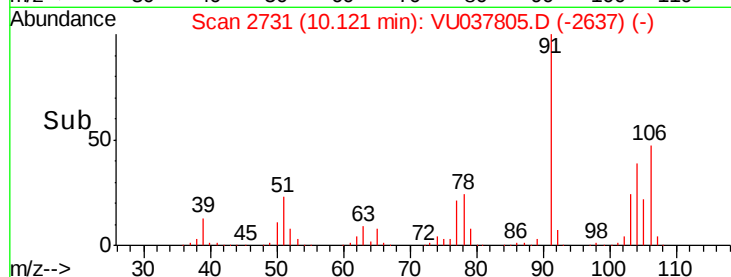
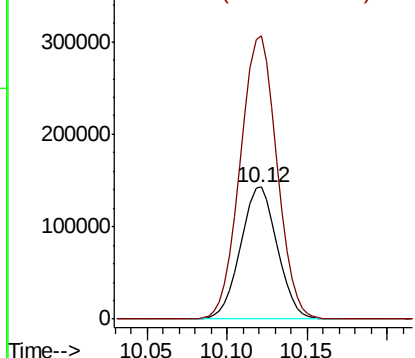
#54
o-Xylene
Concen: 5.626 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037805.D
Acq: 20 Apr 2020 10:38

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 223171
Ion Ratio Lower Upper
106 100
91 214.0 151.1 280.7

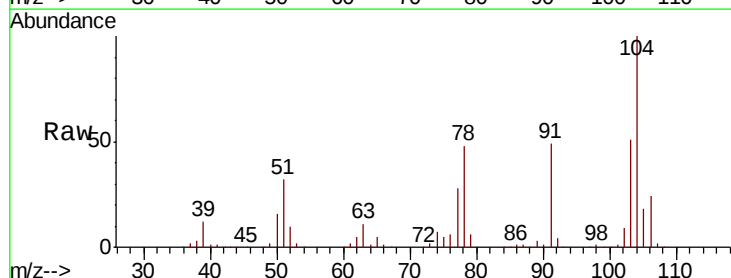


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

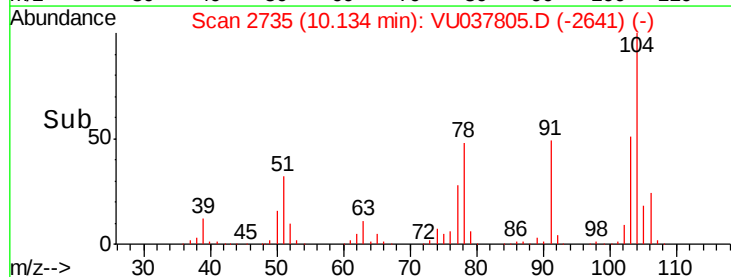
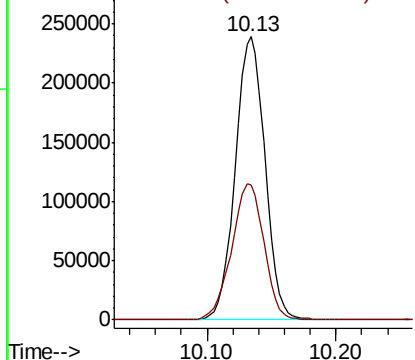


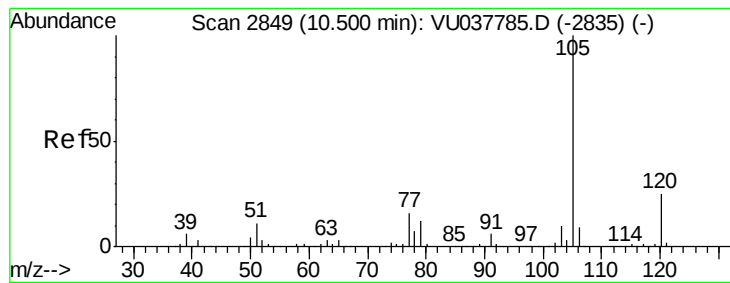
#55
Styrene
Concen: 5.641 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037805.D
Acq: 20 Apr 2020 10:38

Tgt Ion:104 Resp: 382487
Ion Ratio Lower Upper
104 100
78 47.9 32.5 60.3



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





#56

Isopropylbenzene

Concen: 5.740 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

Instrument :

MSVOA_U

ClientSampled :

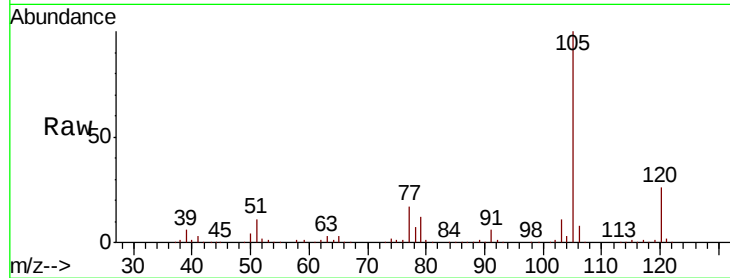
Tot Ion:105 Resp: 597193

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

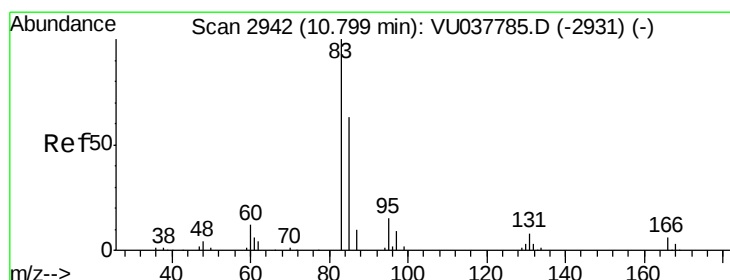
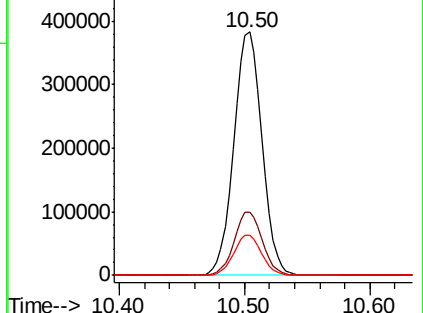
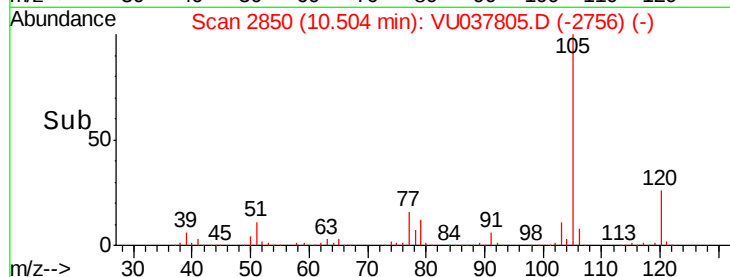
77 16.4 13.2 19.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.595 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

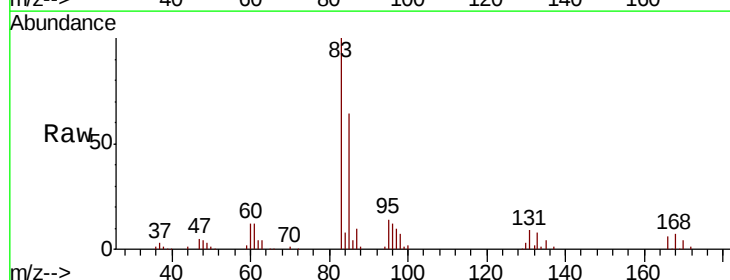
Tgt Ion: 83 Resp: 118950

Ion Ratio Lower Upper

83 100

85 64.5 45.3 84.1

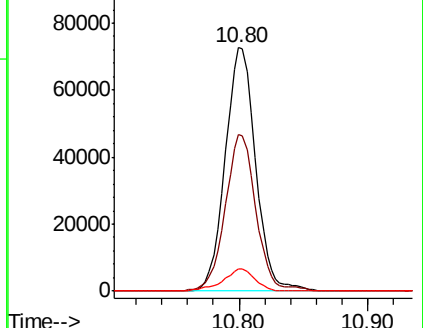
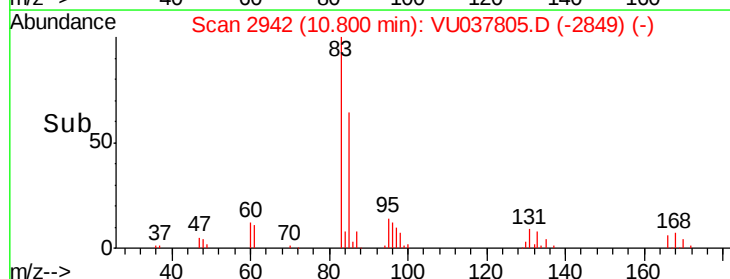
131 9.0 7.4 11.2

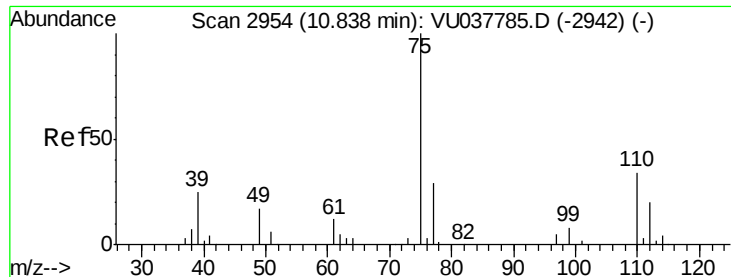


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.524 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

Instrument :

MSVOA_U

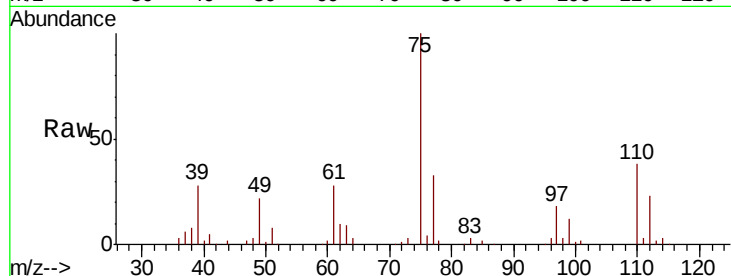
ClientSampled :

Tot Ion: 75 Resp: 87615

Ion Ratio Lower Upper

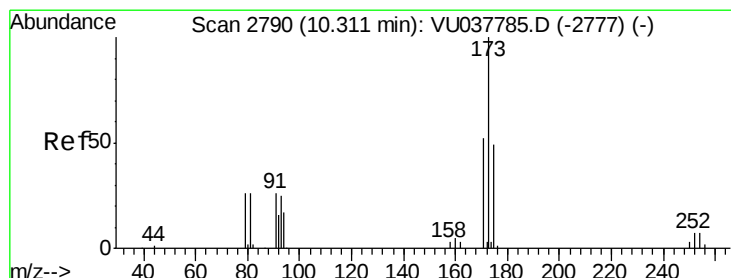
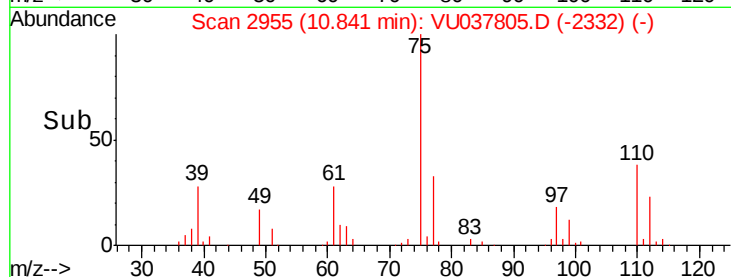
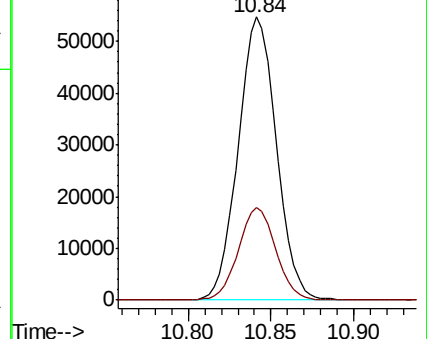
75 100

77 31.9 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU037785.D (-2942) (-)

Ion 77.00 (76.70 to 77.70): VU037785.D (-2942) (-)



#61

Bromoform

Concen: 5.359 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

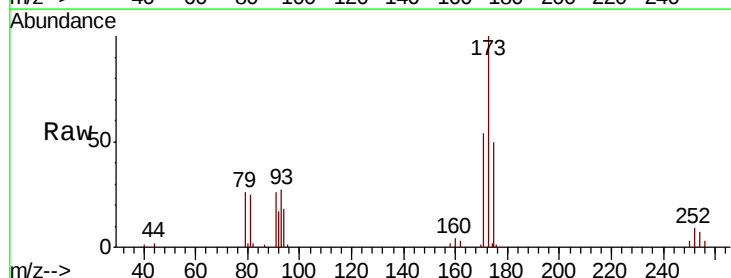
Tgt Ion: 173 Resp: 59965

Ion Ratio Lower Upper

173 100

175 48.8 37.6 56.4

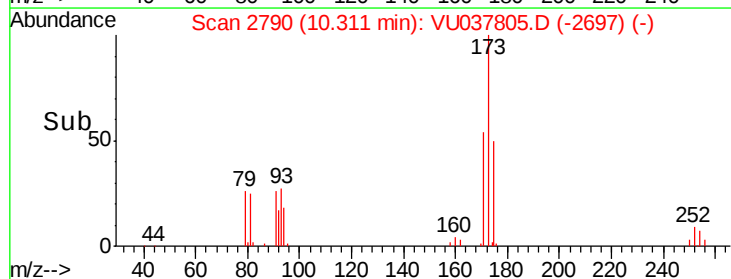
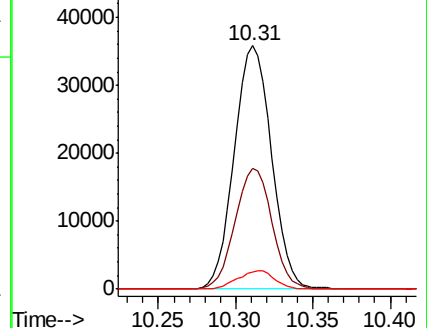
254 7.5 5.8 8.8

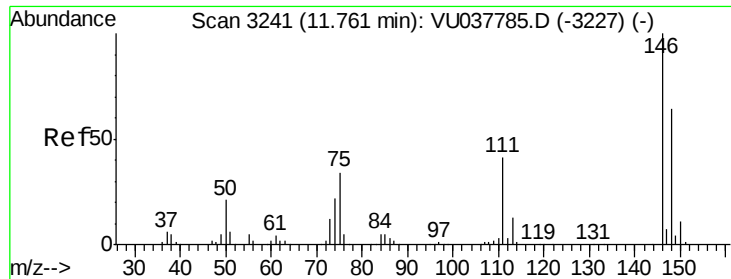


Abundance Ion 172.90 (172.60 to 173.60): VU037785.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU037785.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU037785.D (-2777) (-)

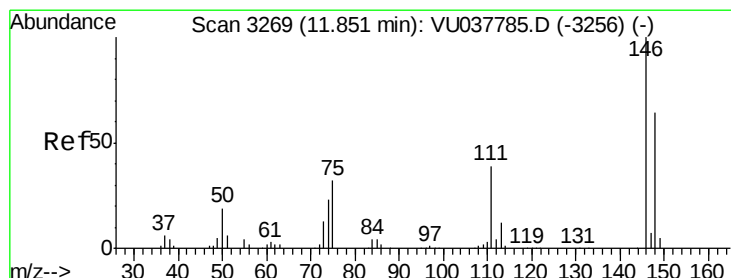
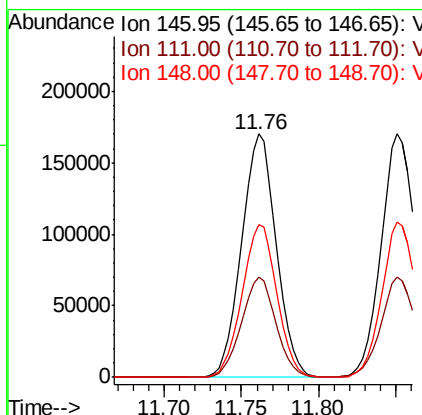
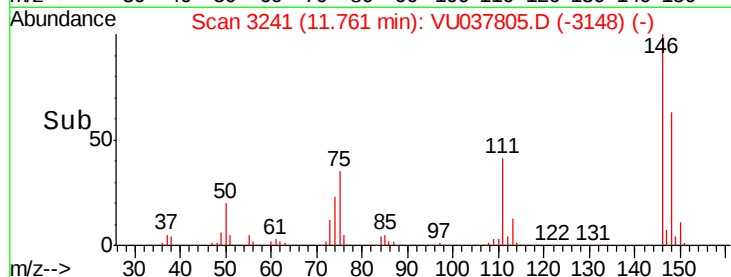
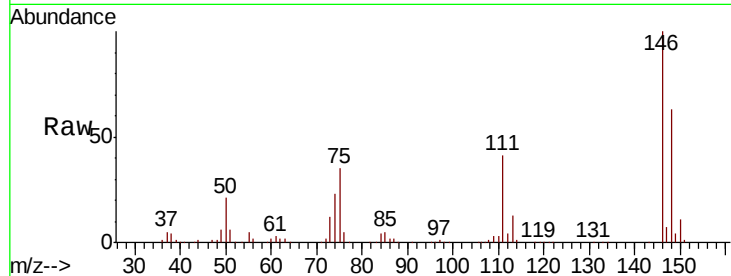




#62
 1,3-Dichlorobenzene
 Concen: 5.629 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037805.D
 Acq: 20 Apr 2020 10:38

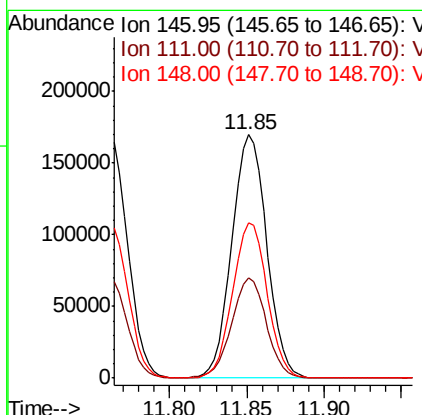
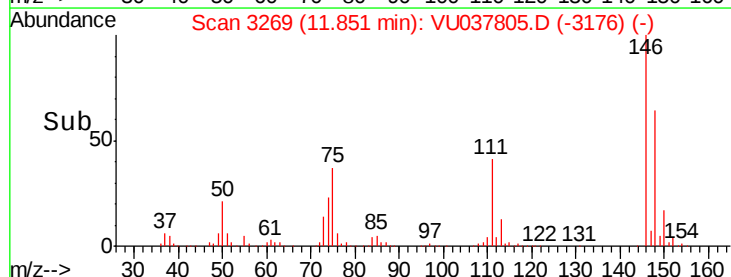
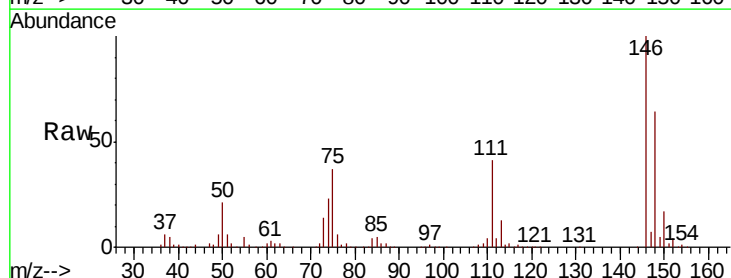
Instrument :
 MSVOA_U
 ClientSampled :

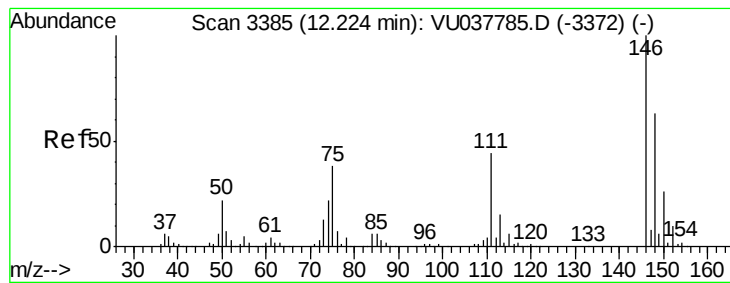
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	29.8	55.3
148	62.9	44.5	82.7



#63
 1,4-Dichlorobenzene
 Concen: 5.619 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037805.D
 Acq: 20 Apr 2020 10:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	28.4	52.8
148	63.9	44.9	83.3





#65

1,2-Dichlorobenzene

Concen: 5.518 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

Instrument :

MSVOA_U

ClientSampled :

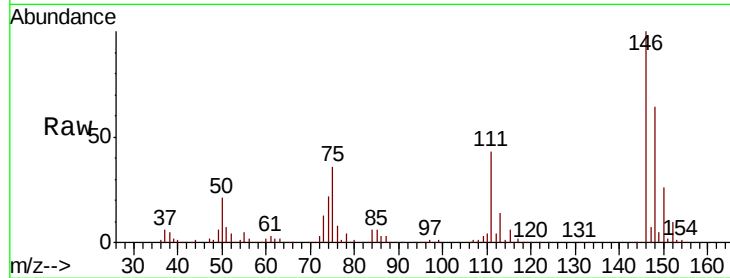
Tot Ion:146 Resp: 244996

Ion Ratio Lower Upper

146 100

111 43.2 35.0 52.6

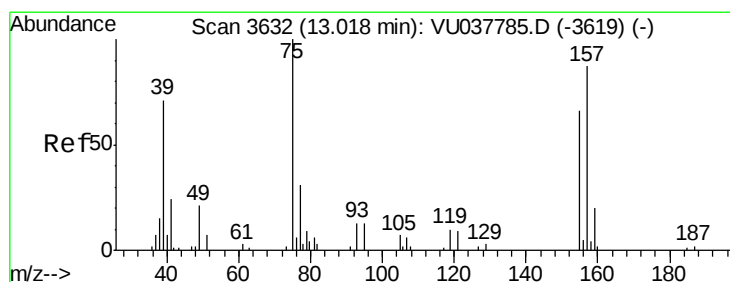
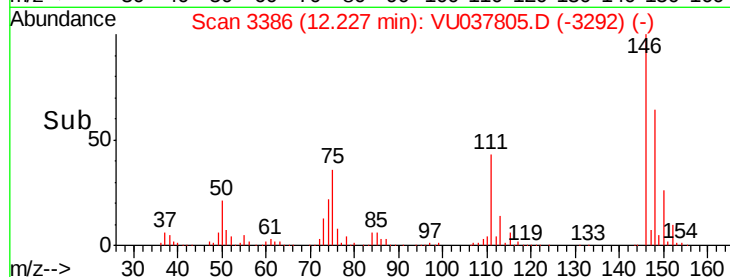
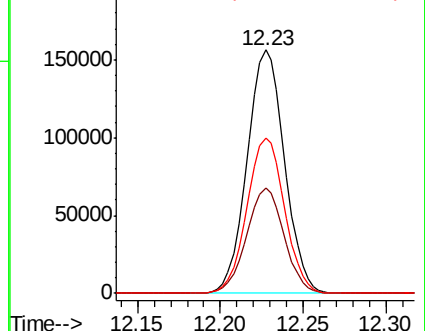
148 63.8 51.5 77.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.368 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

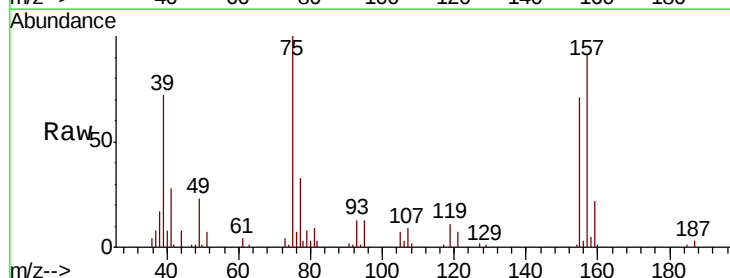
Tgt Ion: 75 Resp: 22092

Ion Ratio Lower Upper

75 100

155 71.5 57.9 86.9

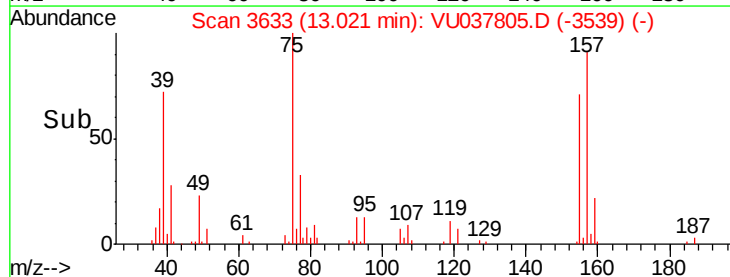
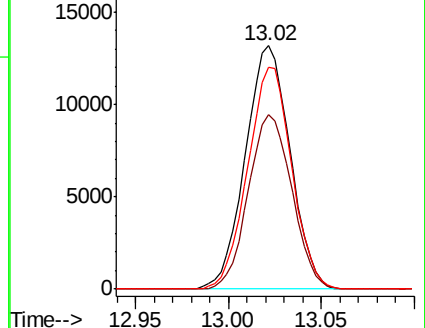
157 91.4 79.8 119.8

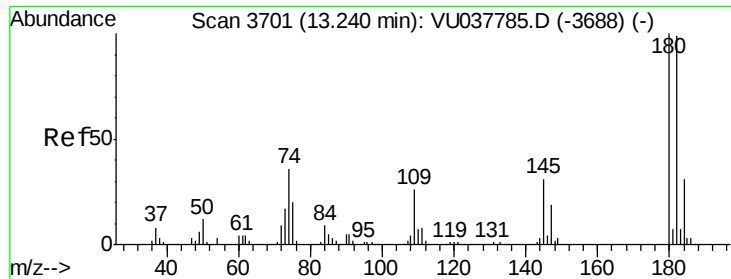


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

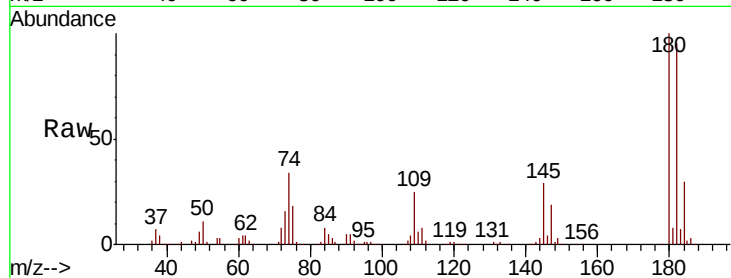




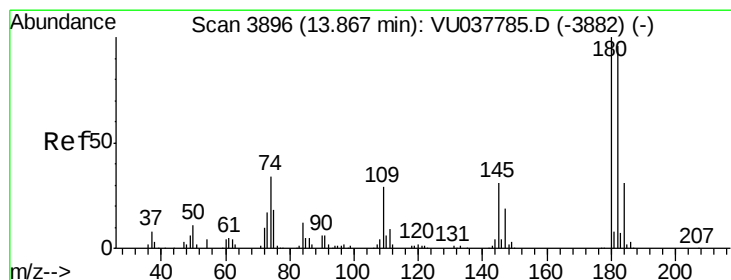
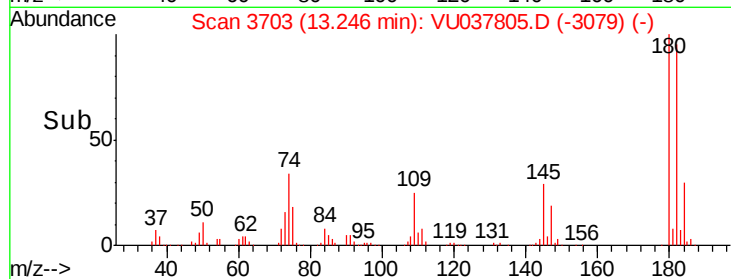
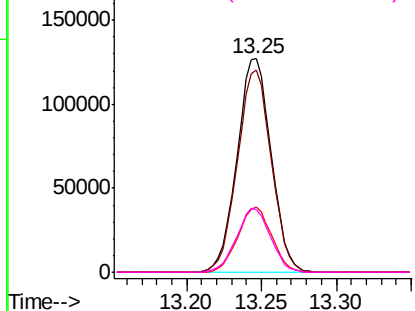
#67
 1,3,5-Trichlorobenzene
 Concen: 5.820 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU037805.D
 Acq: 20 Apr 2020 10:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	201307
Ion Ratio	Lower	Upper
180	100	
182	94.3	77.1 115.7
184	30.3	24.7 37.1
145	29.8	24.6 37.0

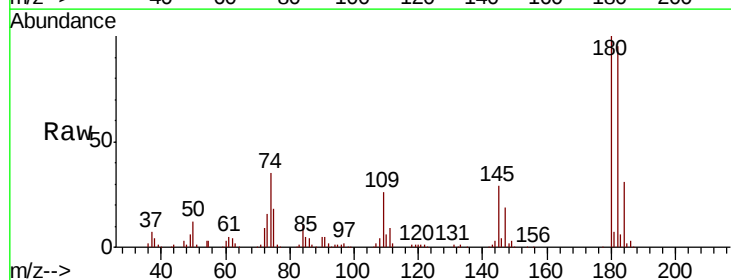


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

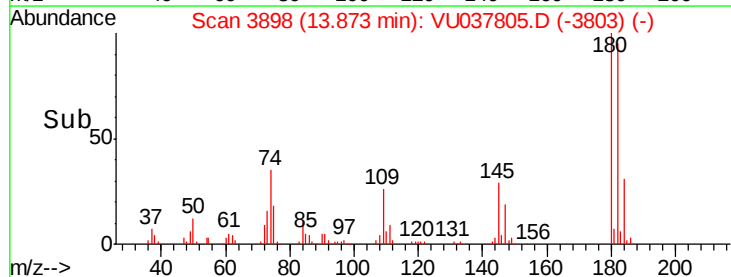
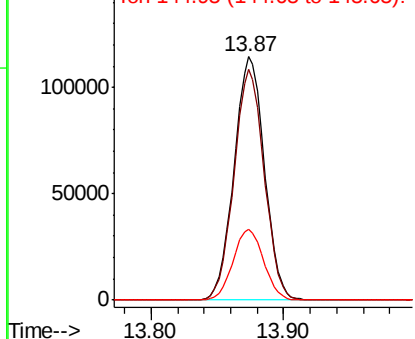


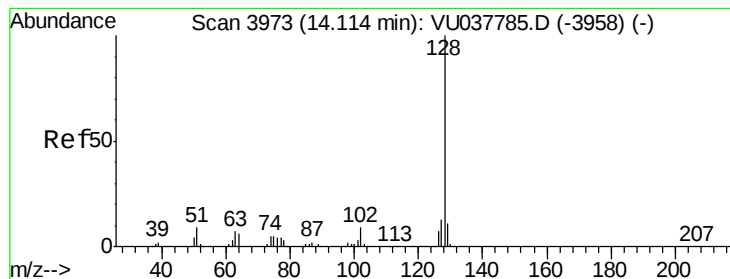
#68
 1,2,4-trichlorobenzene
 Concen: 5.730 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU037805.D
 Acq: 20 Apr 2020 10:38

Tgt Ion:180	Resp:	181893
Ion Ratio	Lower	Upper
180	100	
182	94.1	76.4 114.6
145	29.3	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: 5.266 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

Instrument :

MSVOA_U

ClientSampled :

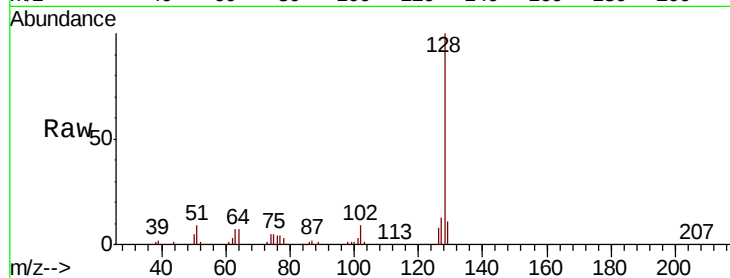
Tot Ion:128 Resp: 338589

Ion Ratio Lower Upper

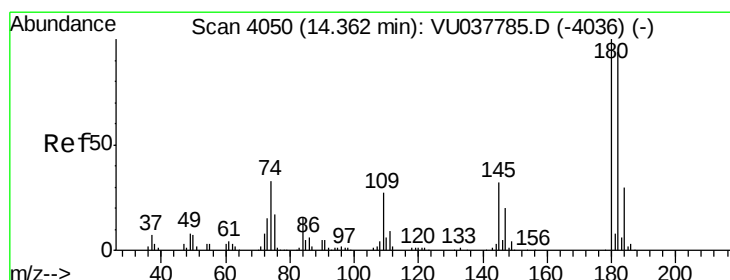
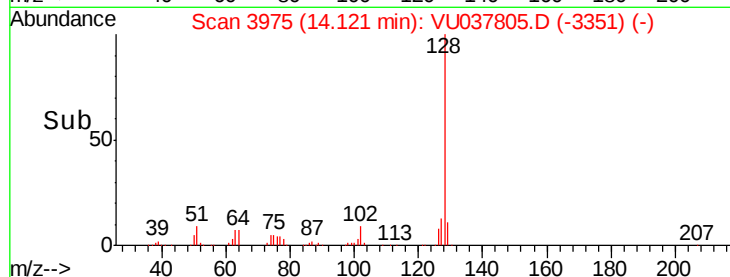
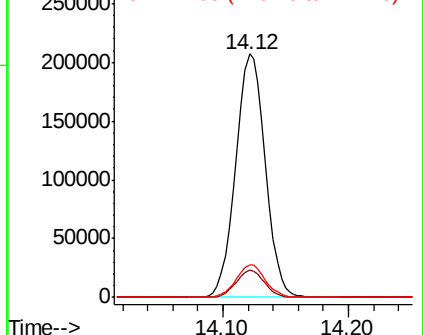
128 100

129 10.8 8.6 12.8

127 13.3 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: 5.539 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU037805.D

Acq: 20 Apr 2020 10:38

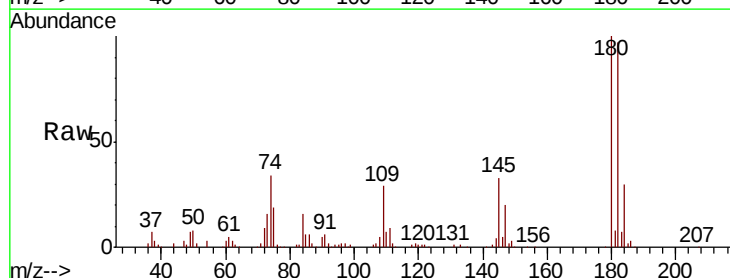
Tgt Ion:180 Resp: 156687

Ion Ratio Lower Upper

180 100

182 95.5 76.6 115.0

145 32.8 26.7 40.1



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

