

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037679.D
 Acq On : 10 Apr 2020 17:58
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 10 23:32:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 23:26:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	631230	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	596786	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	293102	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	217593	39.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.86%
7) Chloroethane-d5	1.93	69	187861	42.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.26%
11) 1,1-Dichloroethene-d2	2.59	63	388080	43.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.32%
21) 2-Butanone-d5	4.66	46	401490	89.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.80%
24) Chloroform-d	5.10	84	386251	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.16%
26) 1,2-Dichloroethane-d4	5.74	65	254512	45.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.36%
32) Benzene-d6	5.76	84	792212	45.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.24%
36) 1,2-Dichloropropane-d6	6.72	67	268275	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.80%
41) Toluene-d8	7.92	98	708579	43.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.06%
43) trans-1,3-Dichloropropene-	8.20	79	140685	44.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.06%
47) 2-Hexanone-d5	8.65	63	309415	92.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.47%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	387260	46.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.82%
64) 1,2-Dichlorobenzene-d4	12.20	152	272951	44.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.50%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.40	85	234785	47.482	ug/L	99
3) Chloromethane	1.54	50	288539	49.894	ug/L	99
5) Vinyl chloride	1.62	62	288515	47.674	ug/L	100
6) Bromomethane	1.87	94	157813	49.547	ug/L	99
8) Chloroethane	1.95	64	177933	49.526	ug/L	98
9) Trichlorofluoromethane	2.16	101	315436	48.265	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	190387	47.847	ug/L	98
12) 1,1-Dichloroethene	2.60	96	197121	48.850	ug/L	97
13) Acetone	2.65	43	236673	89.632	ug/L	99
14) Carbon disulfide	2.82	76	647348	46.830	ug/L	99
15) Methyl Acetate	2.98	43	302465	48.169	ug/L	100
16) Methylene chloride	3.08	84	231226	50.157	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	212758	49.147	ug/L	100
18) Methyl tert-butyl Ether	3.40	73	755588	50.562	ug/L	99
19) 1,1-Dichloroethane	3.91	63	419753	49.459	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	241262	50.686	ug/L	94
22) 2-Butanone	4.75	43	429668	92.968	ug/L	99

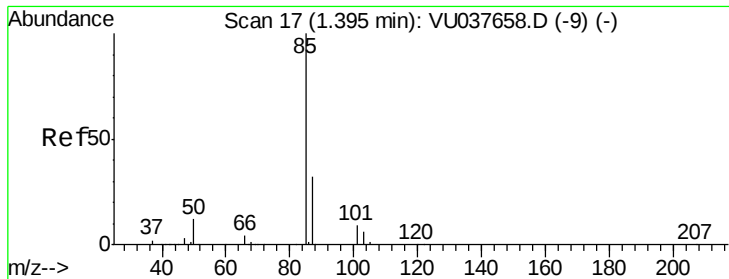
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037679.D
 Acq On : 10 Apr 2020 17:58
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 10 23:32:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 23:26:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	115201	49.660	ug/L	99
25) Chloroform	5.13	83	400581	50.163	ug/L	100
27) 1,2-Dichloroethane	5.83	62	328656	49.759	ug/L	100
29) Cyclohexane	5.42	56	403012	49.107	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	338185	49.995	ug/L	99
31) Carbon tetrachloride	5.56	117	269154	49.015	ug/L	100
33) Benzene	5.81	78	926335	51.005	ug/L	100
34) Trichloroethene	6.57	95	222399	49.745	ug/L	98
35) Methylcyclohexane	6.79	83	381319	48.069	ug/L	99
37) 1,2-Dichloropropane	6.82	63	251760	50.449	ug/L	100
38) Bromodichloromethane	7.13	83	306415	49.878	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	412682	50.524	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	849812	95.885	ug/L	100
42) Toluene	7.99	91	966179	50.080	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	394751	49.858	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	225488	50.641	ug/L	98
46) Tetrachloroethene	8.57	164	161996	48.700	ug/L	95
48) 2-Hexanone	8.71	43	657330	93.928	ug/L	100
49) Dibromochloromethane	8.83	129	236770	49.588	ug/L	99
50) 1,2-Dibromoethane	8.94	107	245691	50.998	ug/L	97
51) Chlorobenzene	9.47	112	596427	49.503	ug/L	99
52) Ethylbenzene	9.59	91	1076896	49.786	ug/L	99
53) m,p-Xylene	9.71	106	411432	50.094	ug/L	100
54) o-xylene	10.12	106	398476	48.919	ug/L	99
55) Styrene	10.13	104	705860	49.978	ug/L	100
56) Isopropylbenzene	10.50	105	1043795	49.213	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	395775	49.778	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	332886	49.103	ug/L	100
61) Bromoform	10.31	173	179711	48.380	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	464178	49.200	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	469529	49.603	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	460257	49.502	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	103278	47.951	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	338059	49.006	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	329701	49.553	ug/L	99
69) Naphthalene	14.11	128	1195641	48.703	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	322539	48.654	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 47.482 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Instrument :

MSVOA_U

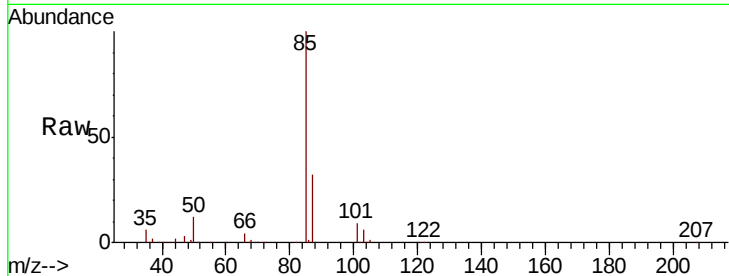
ClientSampleId :

Tot Ion: 85 Resp: 234785

Ion Ratio Lower Upper

85 100

87 32.4 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU037679.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU037679.D (-1) (-)

1.40

250000

200000

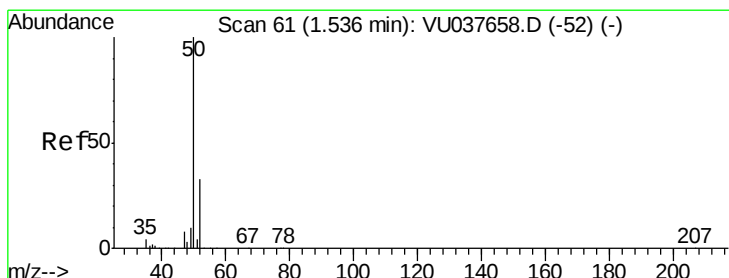
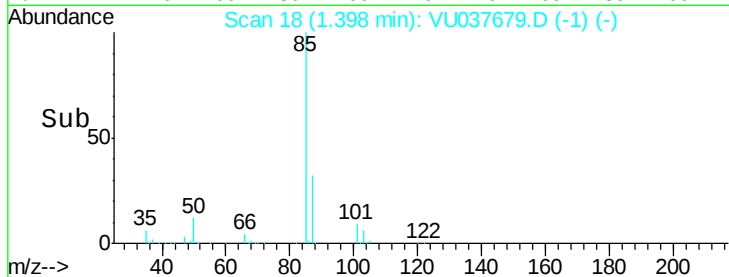
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.894 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037679.D

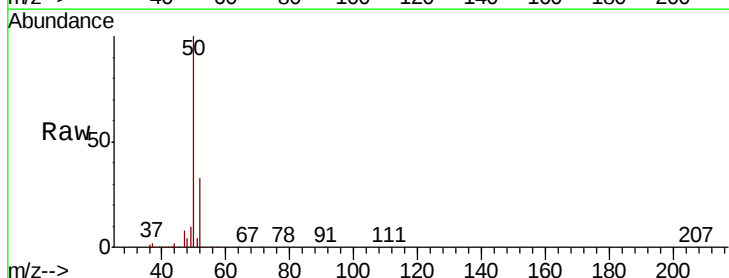
Acq: 10 Apr 2020 17:58

Tgt Ion: 50 Resp: 288539

Ion Ratio Lower Upper

50 100

52 32.9 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU037679.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU037679.D (-1) (-)

1.54

300000

250000

200000

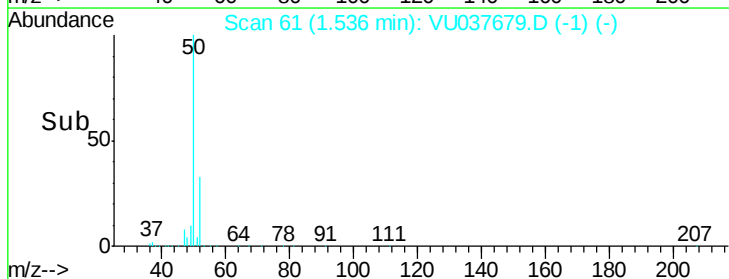
150000

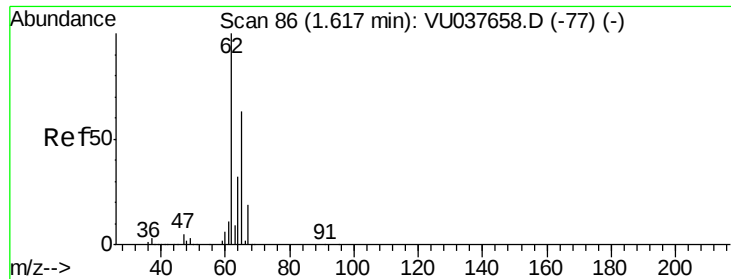
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.674 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Instrument :

MSVOA_U

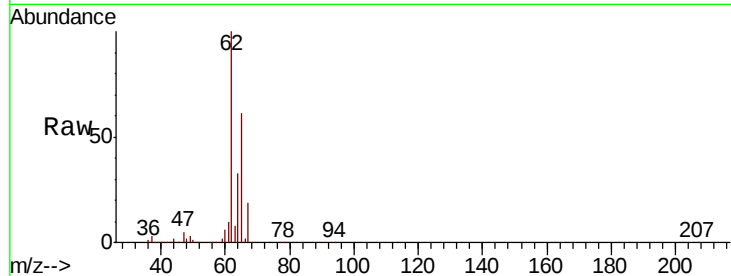
ClientSampled :

Tot Ion: 62 Resp: 288515

Ion Ratio Lower Upper

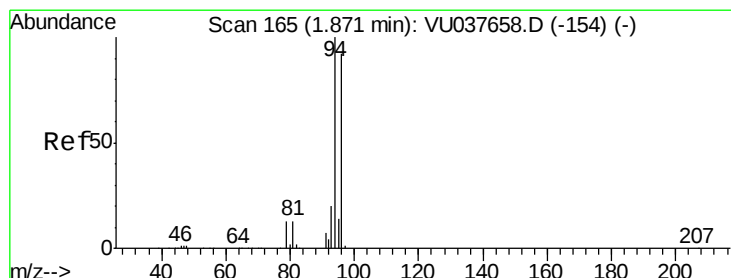
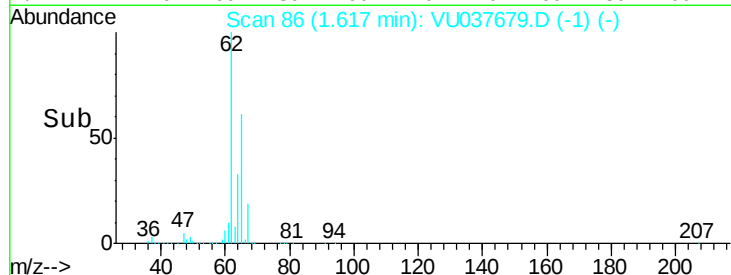
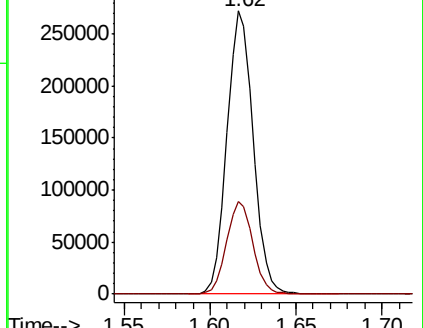
62 100

64 32.8 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU037679.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU037679.D (-1) (-)



#6

Bromomethane

Concen: 49.547 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037679.D

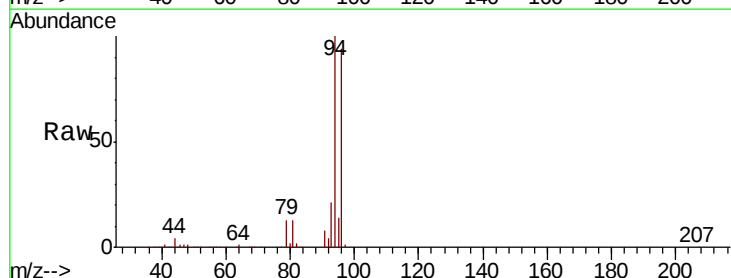
Acq: 10 Apr 2020 17:58

Tgt Ion: 94 Resp: 157813

Ion Ratio Lower Upper

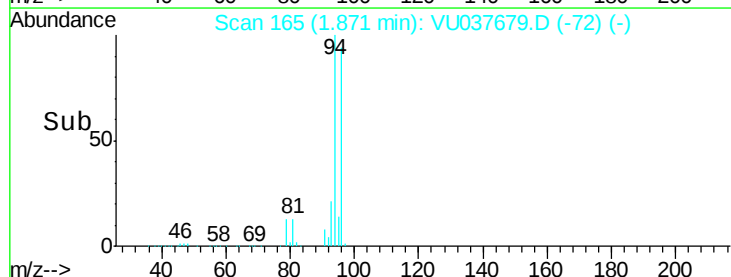
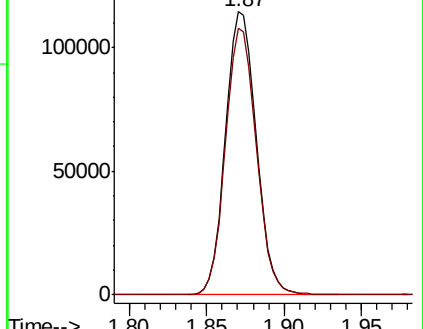
94 100

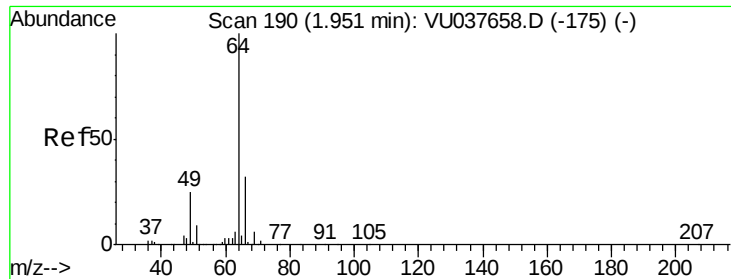
96 94.1 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VU037679.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU037679.D (-72) (-)

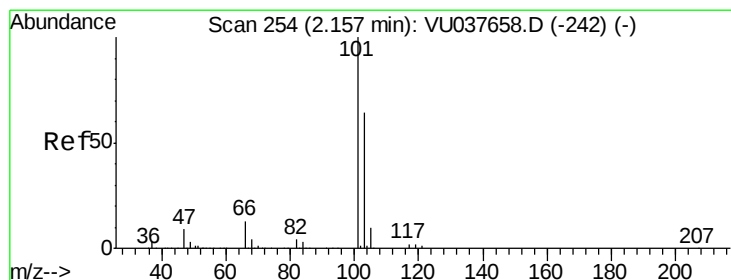
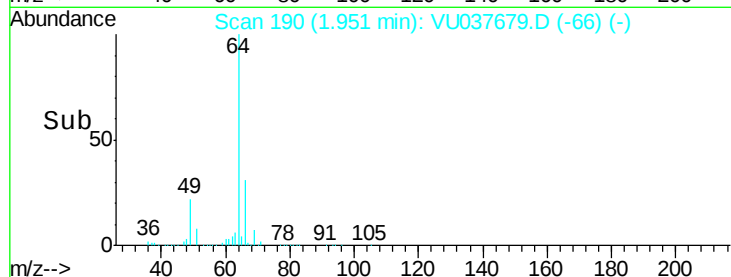
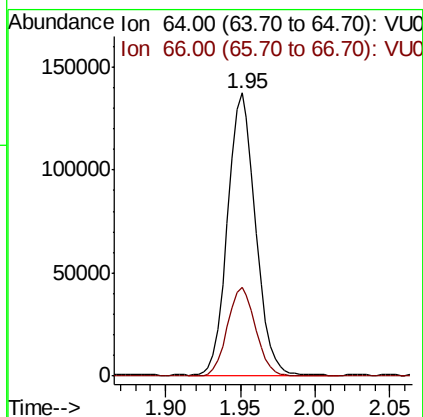
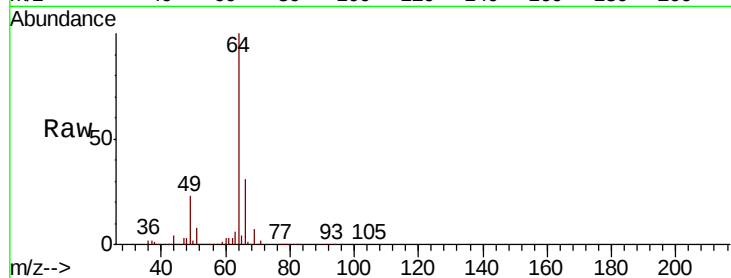




#8
Chloroethane
Concen: 49.526 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

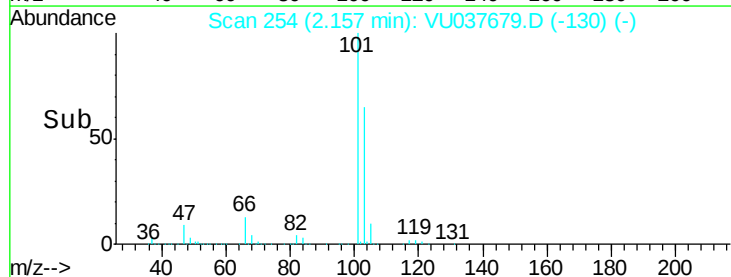
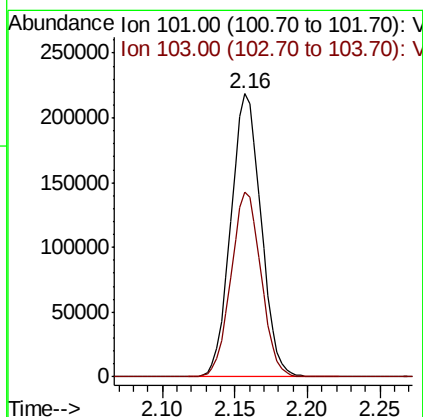
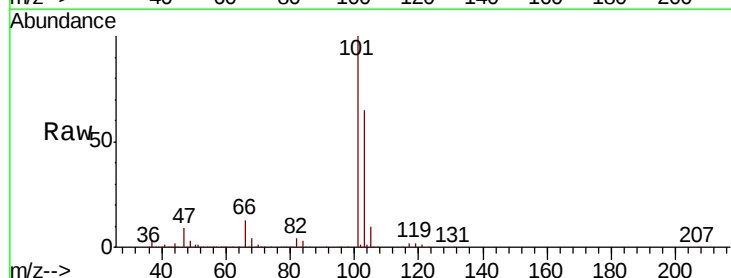
Instrument :
MSVOA_U
ClientSampled :

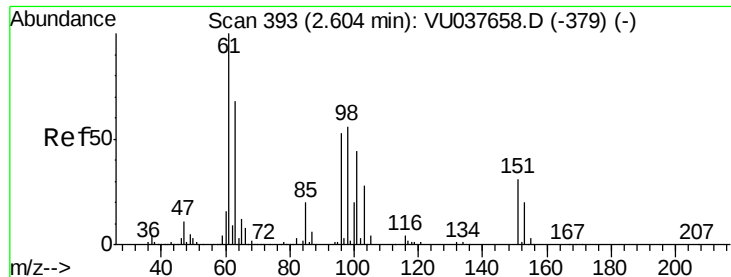
Tot Ion: 64 Resp: 177933
Ion Ratio Lower Upper
64 100
66 31.3 22.6 42.0



#9
Trichlorofluoromethane
Concen: 48.265 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

Tgt Ion:101 Resp: 315436
Ion Ratio Lower Upper
101 100
103 65.0 52.2 78.2





#10

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

Concen: 47.847 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Instrument :

MSVOA_U

ClientSampleId :

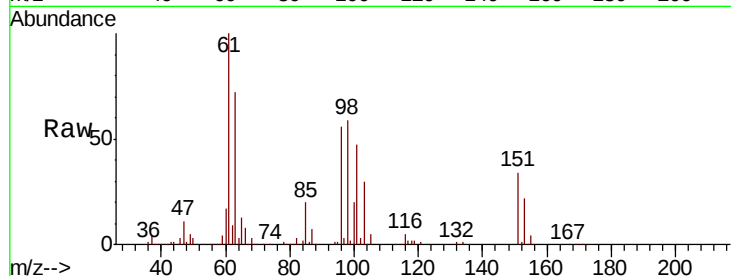
Tot Ion:101 Resp: 190387

Ion Ratio Lower Upper

101 100

85 43.8 34.5 51.7

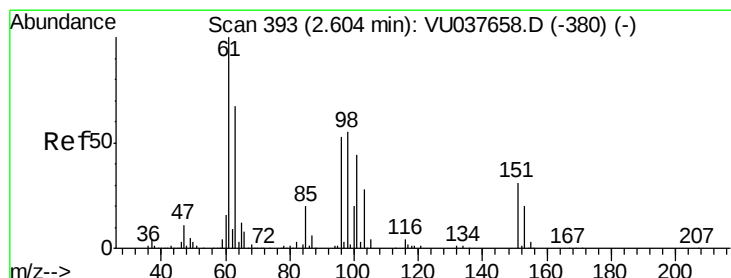
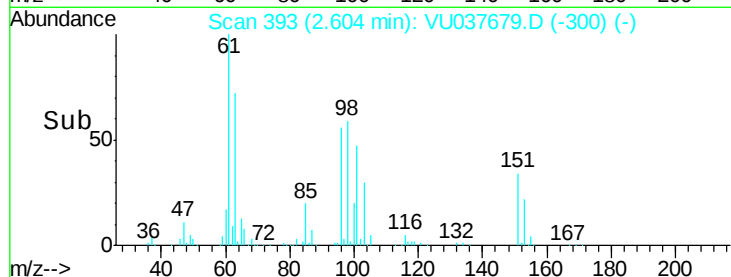
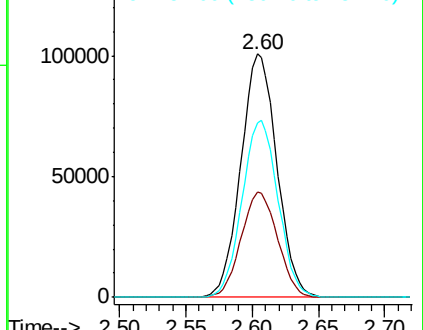
151 72.6 56.8 85.2



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: 48.850 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

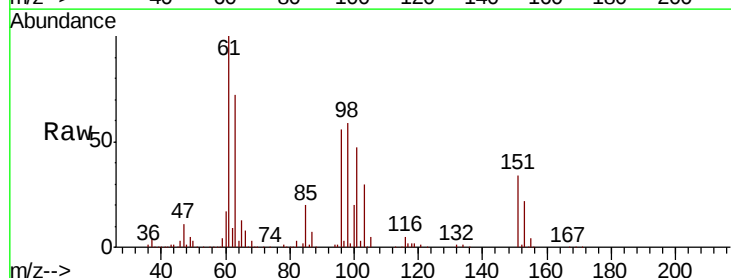
Tgt Ion: 96 Resp: 197121

Ion Ratio Lower Upper

96 100

61 179.0 123.6 229.6

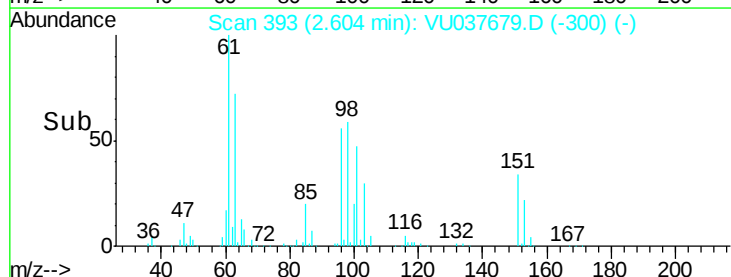
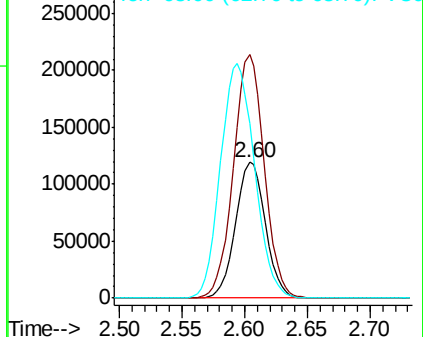
63 128.0 85.7 159.1

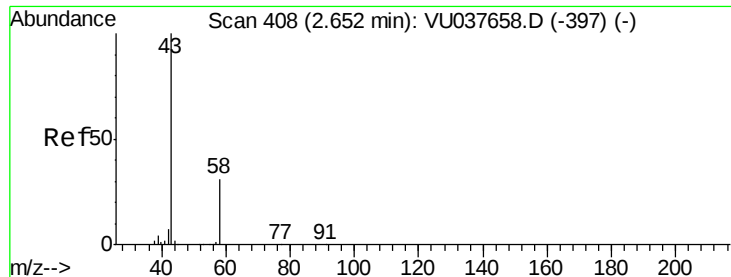


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 89.632 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Instrument :

MSVOA_U

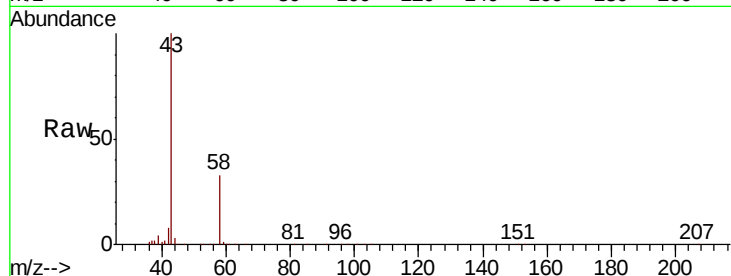
ClientSampleId :

Tot Ion: 43 Resp: 236673

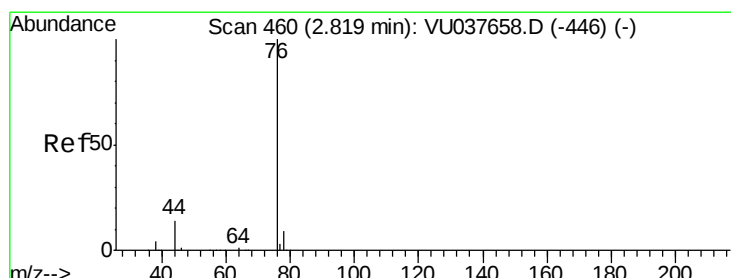
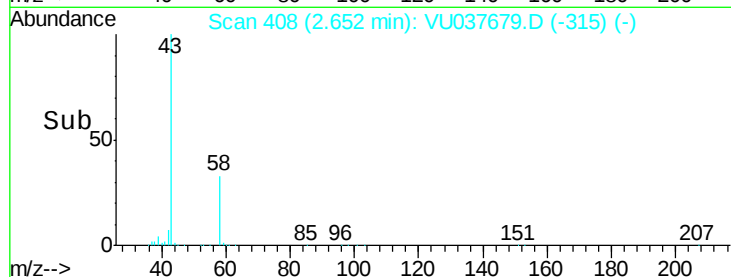
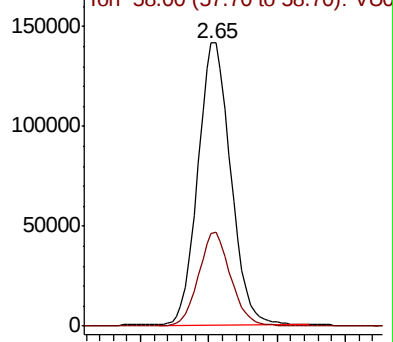
Ion Ratio Lower Upper

43 100

58 32.4 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VU037679.D (-315) (-)



#14

Carbon disulfide

Concen: 46.830 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037679.D

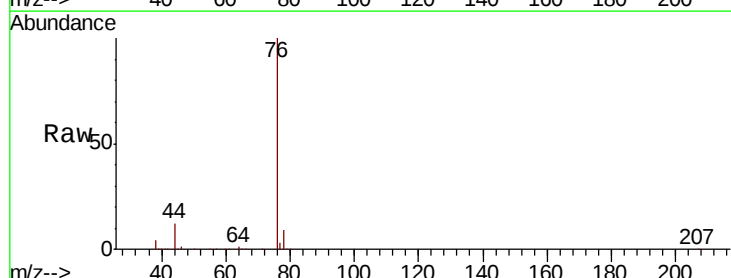
Acq: 10 Apr 2020 17:58

Tgt Ion: 76 Resp: 647348

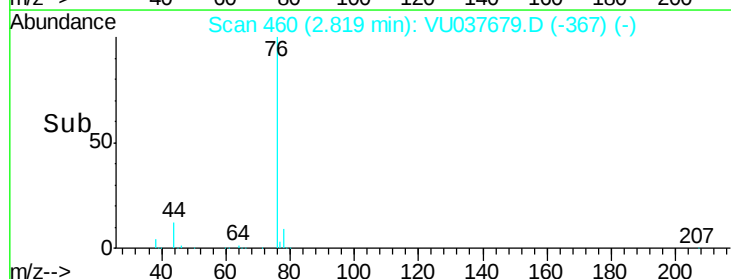
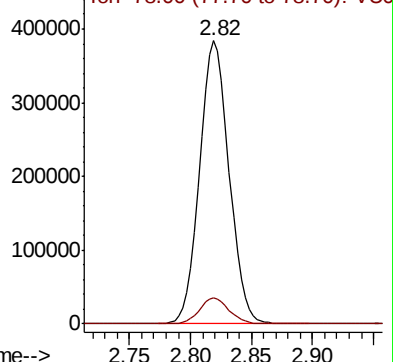
Ion Ratio Lower Upper

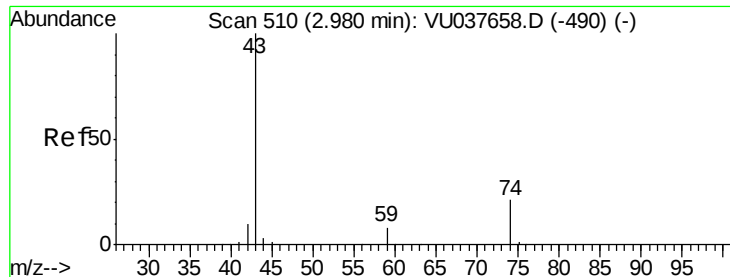
76 100

78 9.3 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU037679.D (-367) (-)





#15

Methvl Acetate

Concen: 48.169 ug/L

RT: 2.98 min Scan# 510

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Instrument :

MSVOA_U

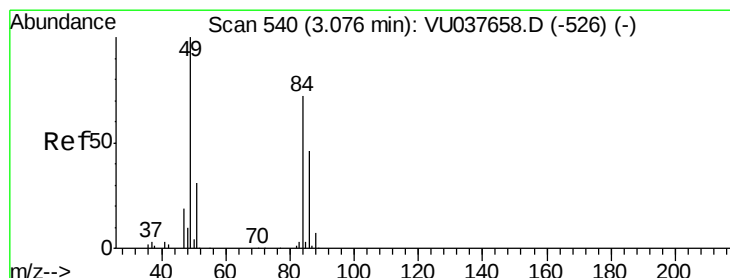
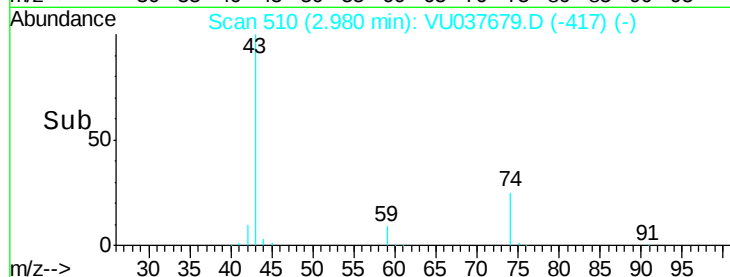
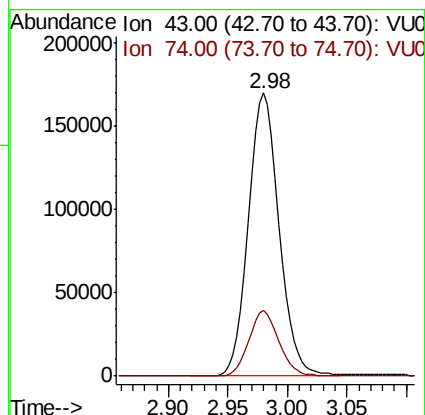
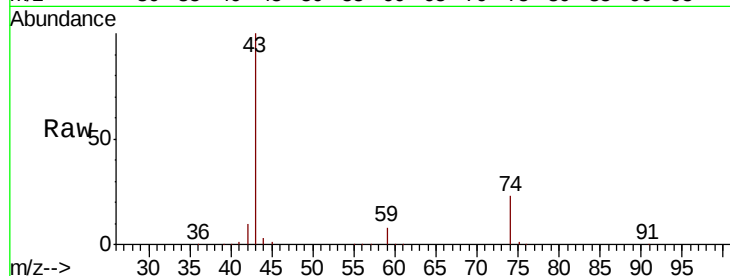
ClientSampleId :

Tot Ion: 43 Resp: 302465

Ion Ratio Lower Upper

43 100

74 22.6 17.9 26.9



#16

Methylene chloride

Concen: 50.157 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

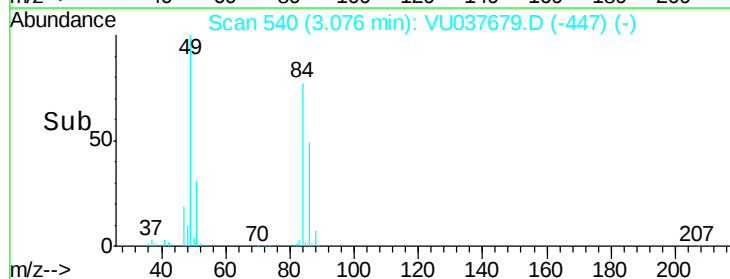
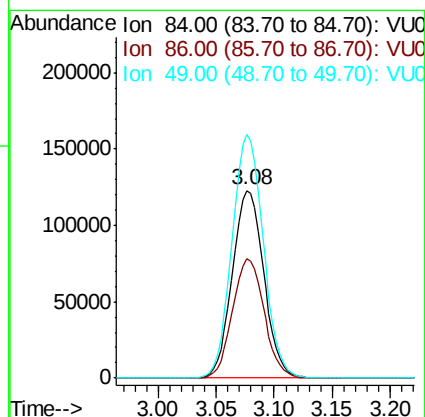
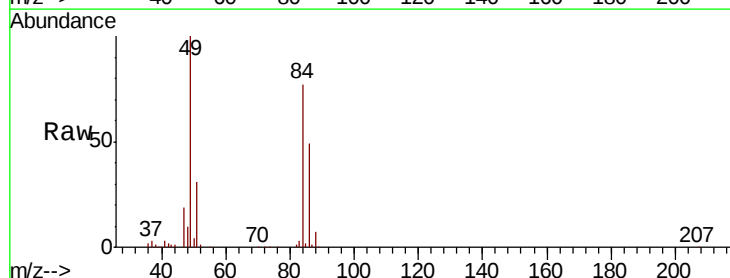
Tgt Ion: 84 Resp: 231226

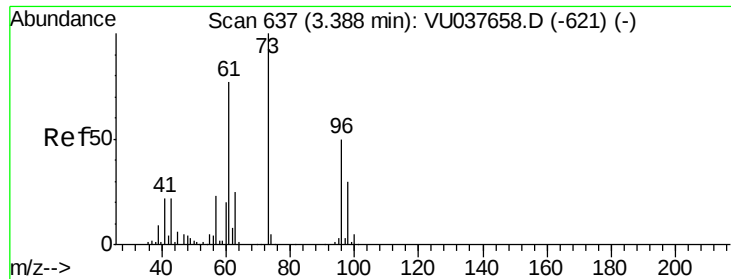
Ion Ratio Lower Upper

84 100

86 63.3 44.1 81.9

49 129.7 90.3 167.7





#17

trans-1,2-Dichloroethene

Concen: 49.147 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Instrument :

MSVOA_U

ClientSampleId :

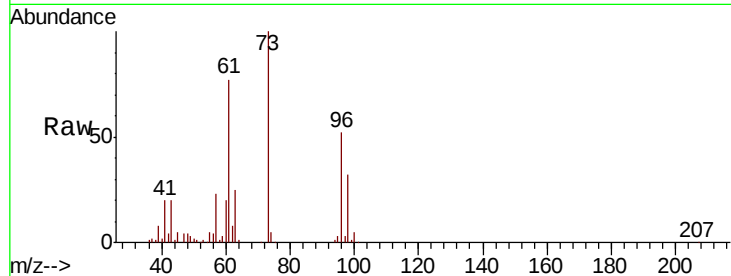
Tot Ion: 96 Resp: 212758

Ion Ratio Lower Upper

96 100

61 147.2 103.2 191.6

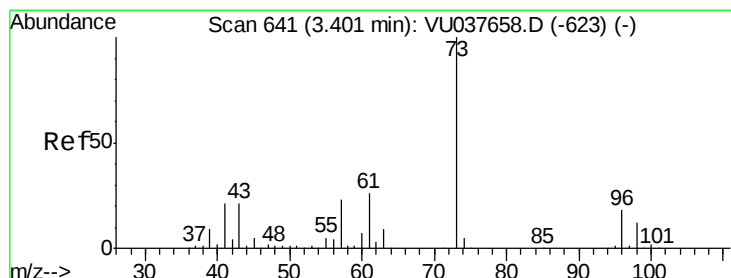
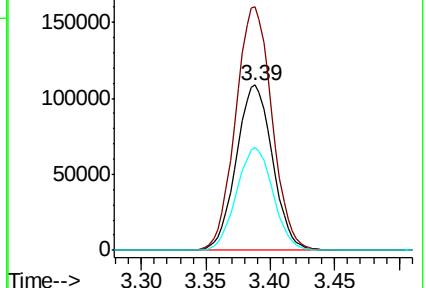
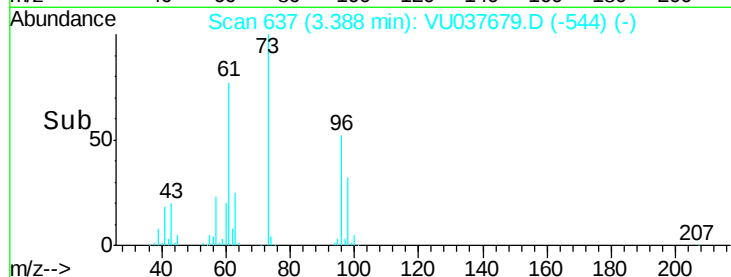
98 62.1 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU037679.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU037679.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU037679.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 50.562 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

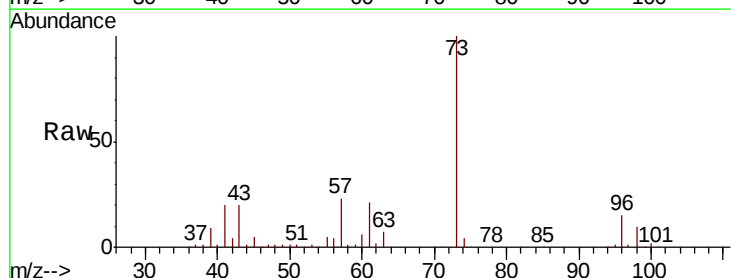
Tgt Ion: 73 Resp: 755588

Ion Ratio Lower Upper

73 100

43 19.9 16.3 24.5

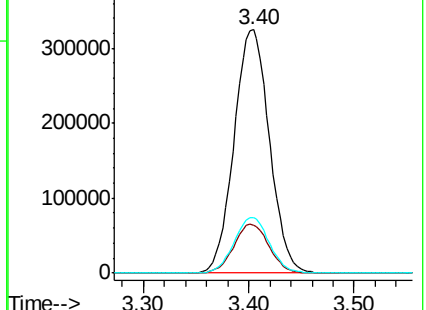
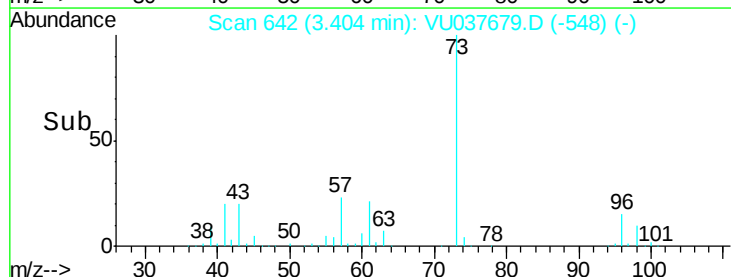
57 22.8 18.3 27.5

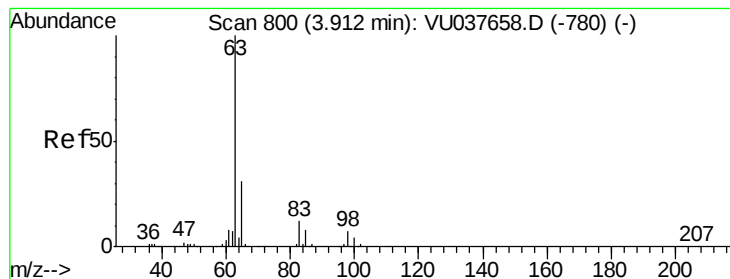


Abundance Ion 73.00 (72.70 to 73.70): VU037679.D (-548) (-)

Ion 43.00 (42.70 to 43.70): VU037679.D (-548) (-)

Ion 57.00 (56.70 to 57.70): VU037679.D (-548) (-)





#19

1,1-Dichloroethane

Concen: 49.459 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Instrument :

MSVOA_U

ClientSampleId :

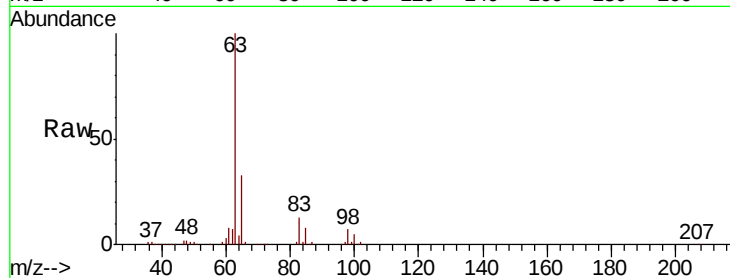
Tot Ion: 63 Resp: 419753

Ion Ratio Lower Upper

63 100

65 33.0 21.9 40.7

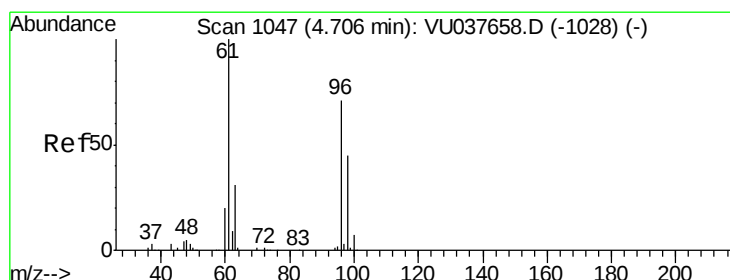
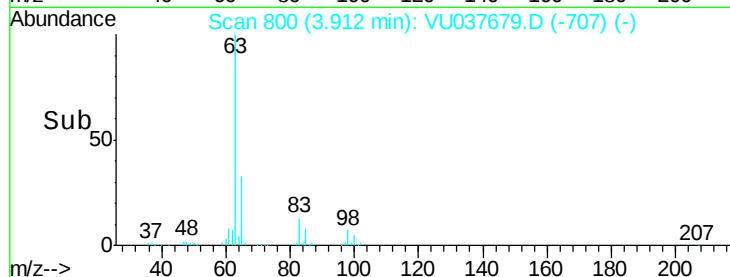
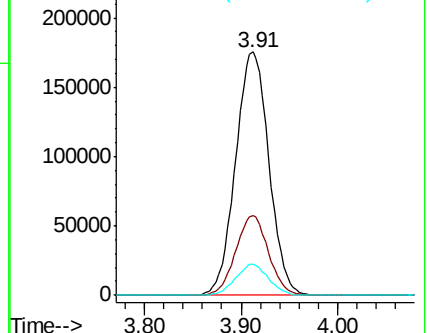
83 12.8 9.0 16.6



Abundance Ion 63.00 (62.70 to 63.70): VU037679.D (-954) (-)

Ion 65.00 (64.70 to 65.70): VU037679.D (-954) (-)

Ion 83.00 (82.70 to 83.70): VU037679.D (-954) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.686 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

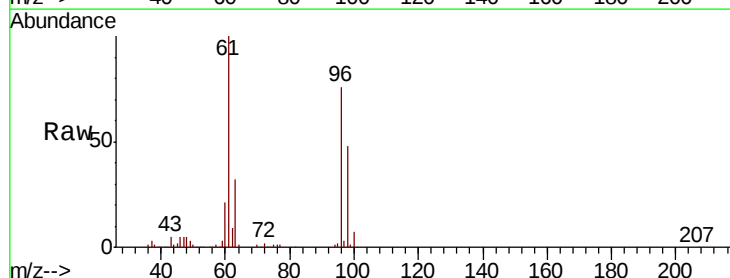
Tgt Ion: 96 Resp: 241262

Ion Ratio Lower Upper

96 100

61 132.3 97.5 181.1

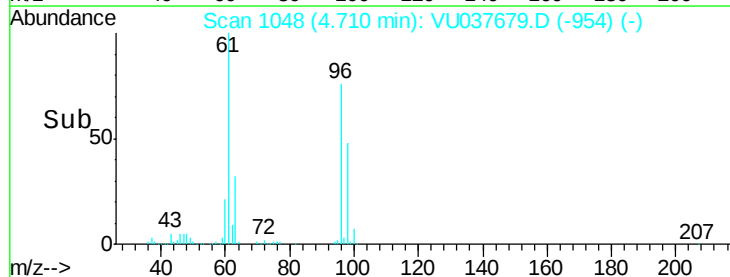
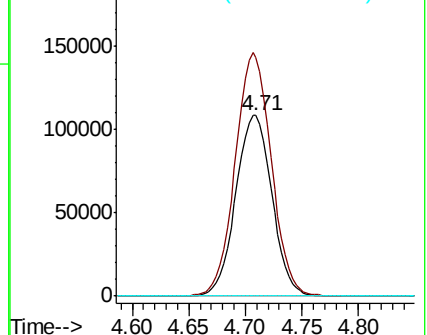
68 0.0 0.0 0.0

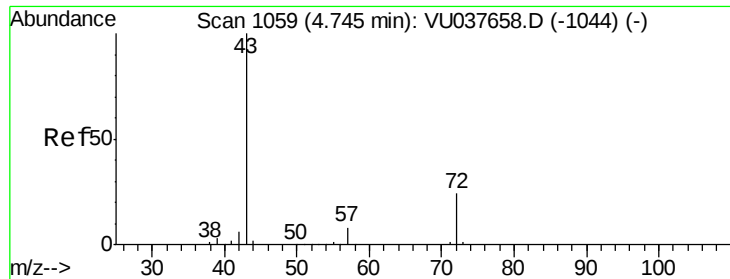


Abundance Ion 96.00 (95.70 to 96.70): VU037679.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU037679.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU037679.D (-954) (-)





#22

2-Butanone

Concen: 92.968 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

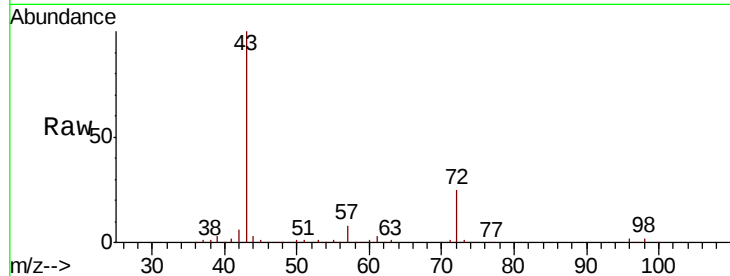
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 429668

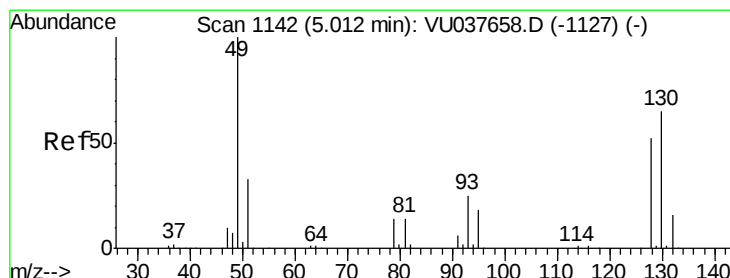
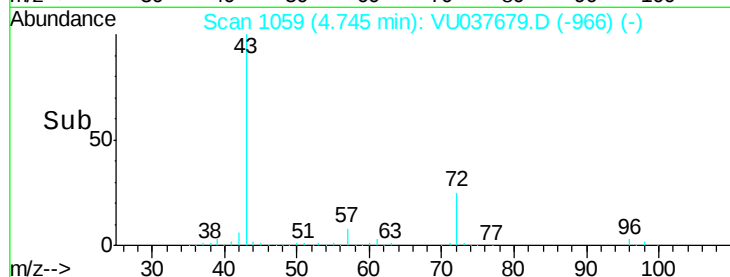
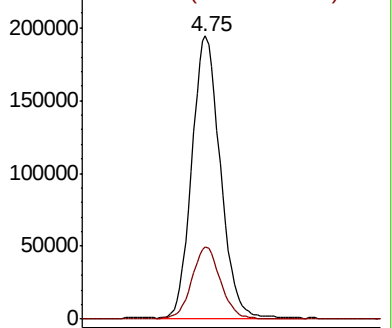
Ion Ratio Lower Upper

43 100

72 25.9 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VU037679.D (-966) (-)



#23

Bromochloromethane

Concen: 49.660 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Tgt Ion: 128 Resp: 115201

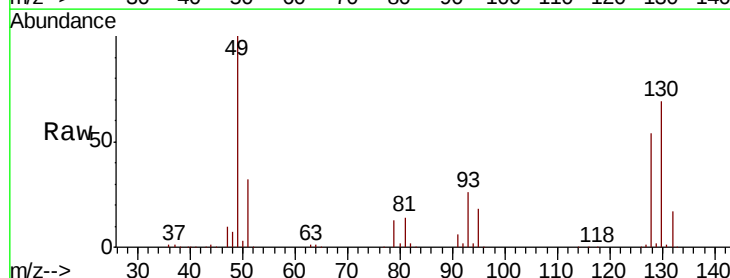
Ion Ratio Lower Upper

128 100

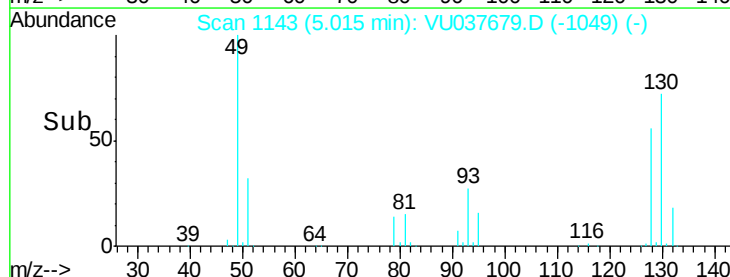
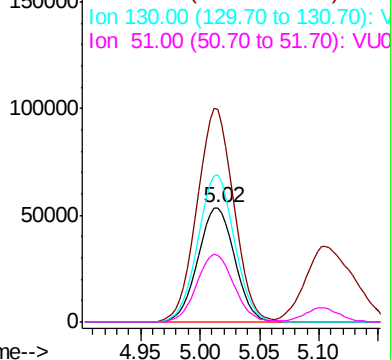
49 186.0 128.7 238.9

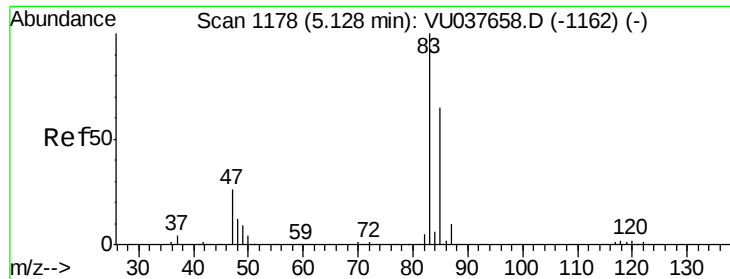
130 128.5 89.9 167.0

51 58.6 46.4 69.6



Abundance Ion 128.00 (127.70 to 128.70): VU037679.D (-1049) (-)

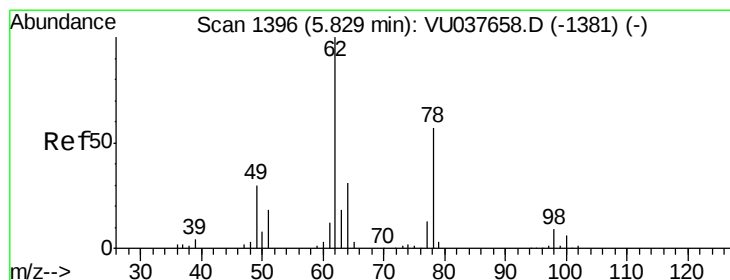
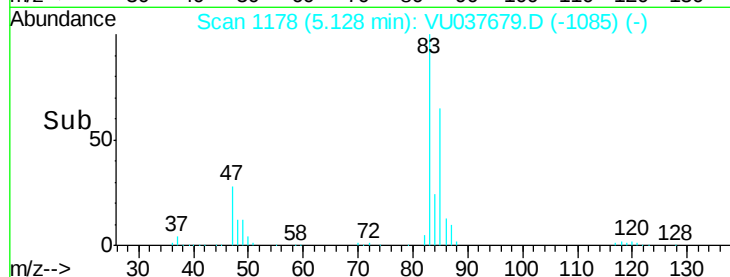
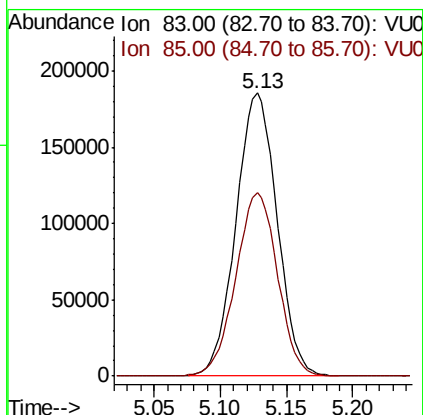
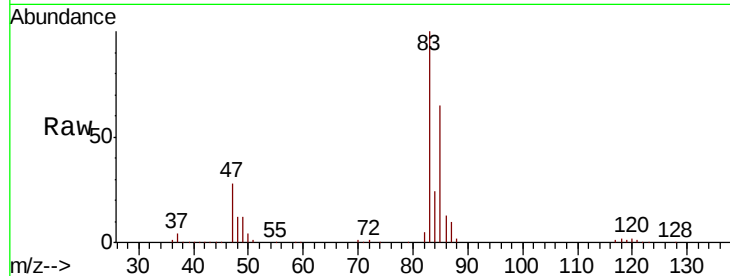




#25
Chloroform
Concen: 50.163 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

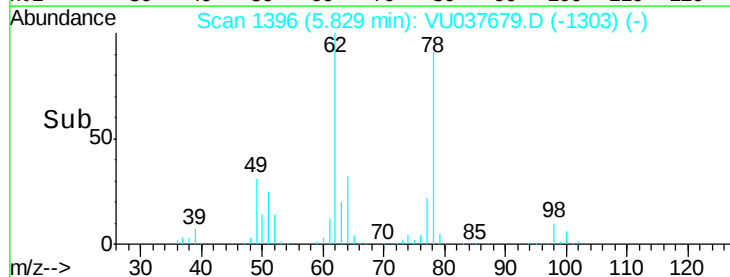
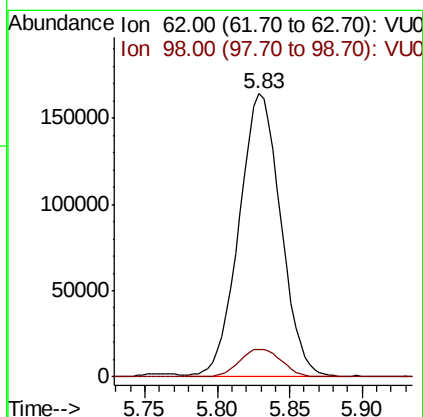
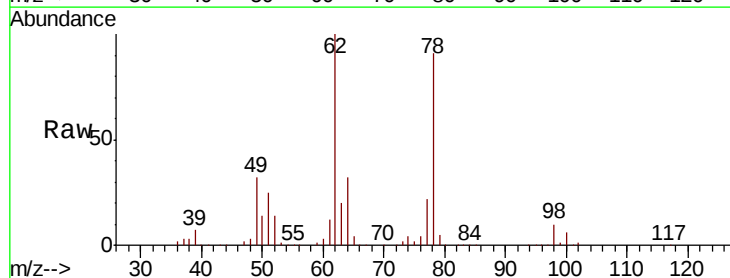
Instrument :
MSVOA_U
ClientSampleId :

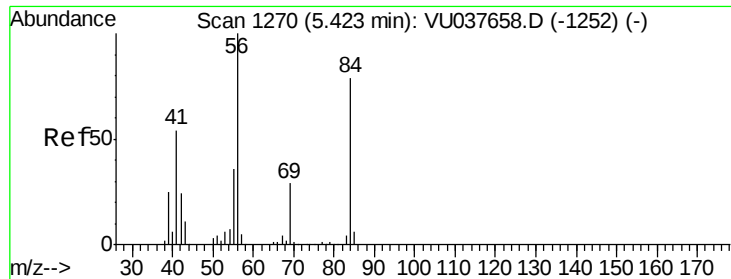
Tot Ion: 83 Resp: 400581
Ion Ratio Lower Upper
83 100
85 64.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 49.759 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

Tgt Ion: 62 Resp: 328656
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.6

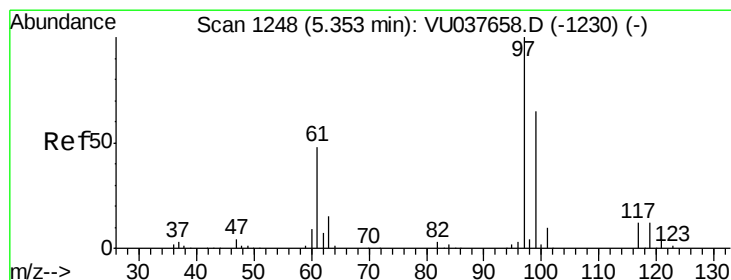
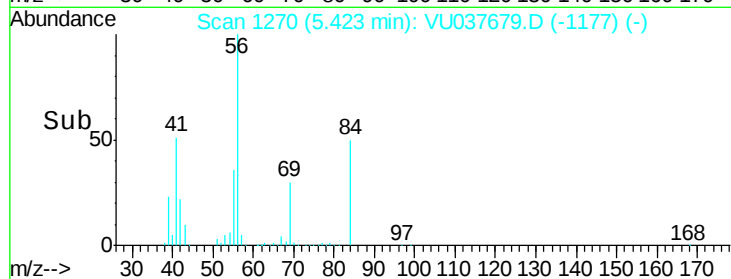
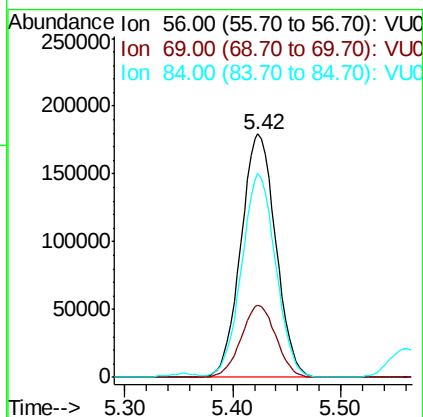
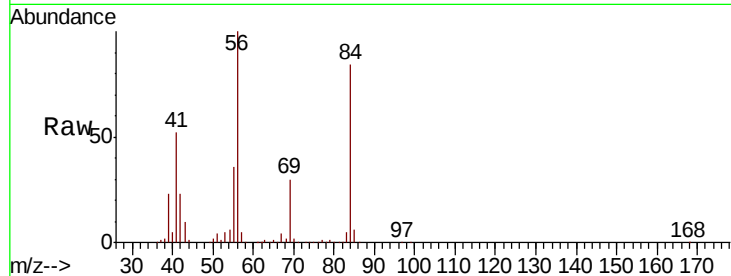




#29
Cyclohexane
Concen: 49.107 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

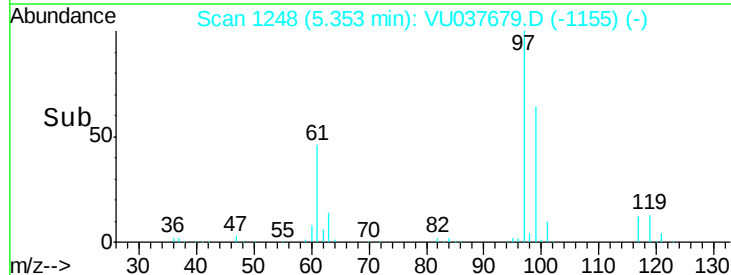
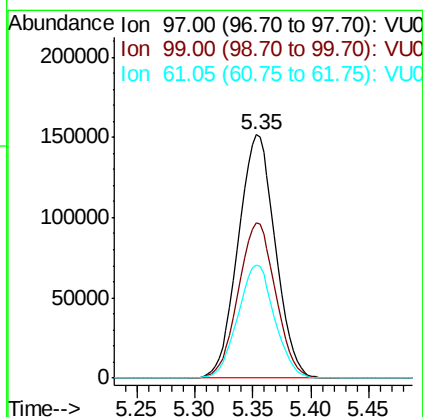
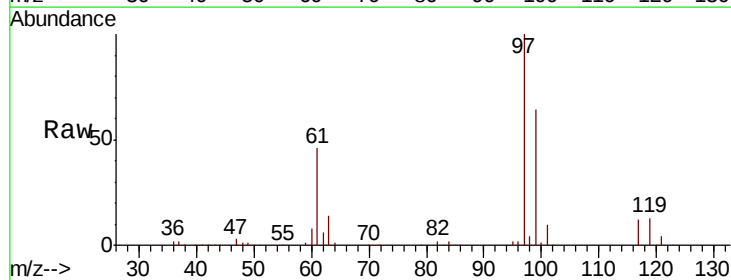
Instrument :
MSVOA_U
ClientSampled :

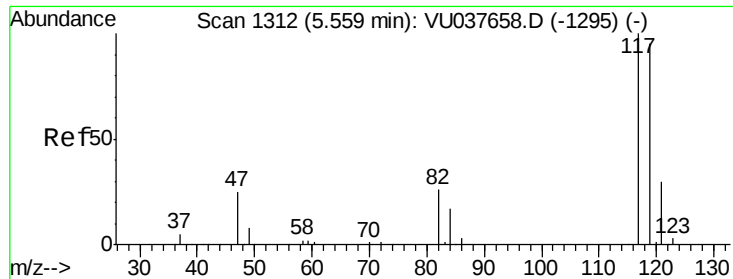
Tot Ion: 56 Resp: 403012
Ion Ratio Lower Upper
56 100
69 29.6 24.0 36.0
84 81.9 66.3 99.5



#30
1,1,1-Trichloroethane
Concen: 49.995 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

Tgt Ion: 97 Resp: 338185
Ion Ratio Lower Upper
97 100
99 63.9 51.9 77.9
61 45.9 37.1 55.7

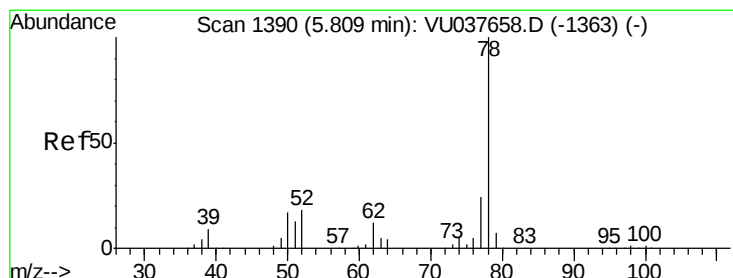
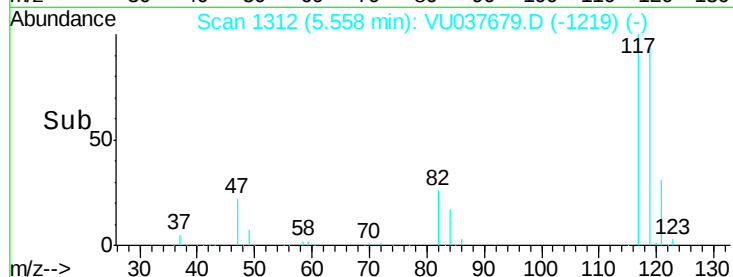
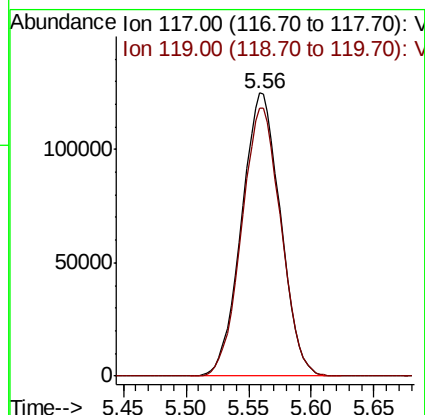
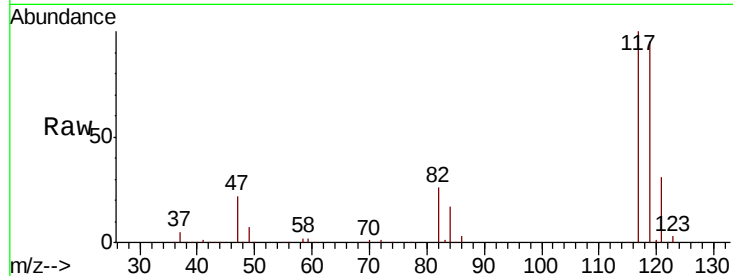




#31
Carbon tetrachloride
Concen: 49.015 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

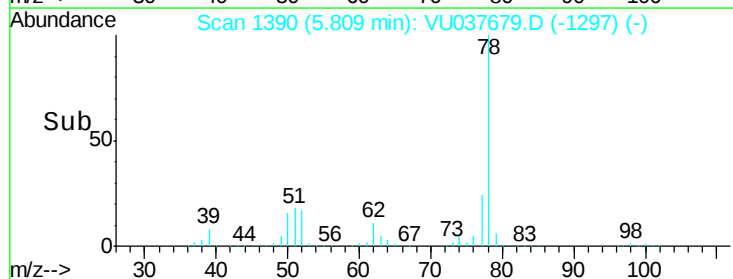
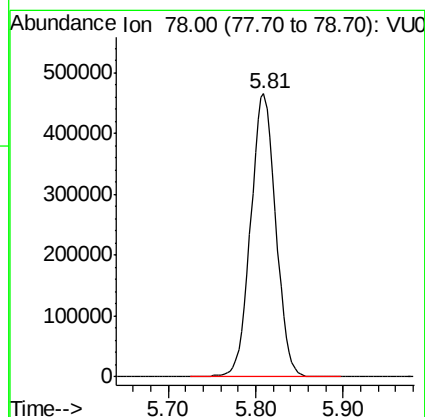
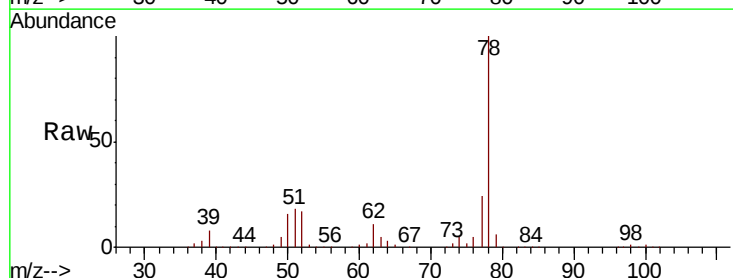
Instrument :
MSVOA_U
ClientSampled :

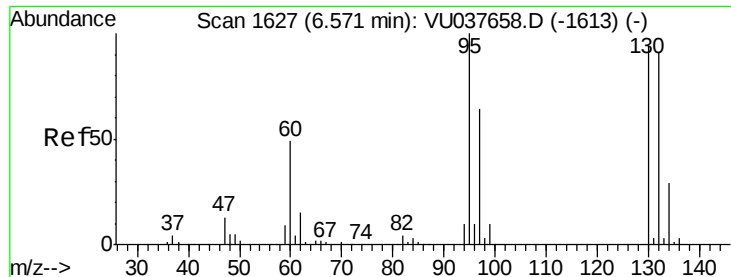
Tot Ion:117 Resp: 269154
Ion Ratio Lower Upper
117 100
119 95.8 77.0 115.4



#33
Benzene
Concen: 51.005 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

Tgt Ion: 78 Resp: 926335

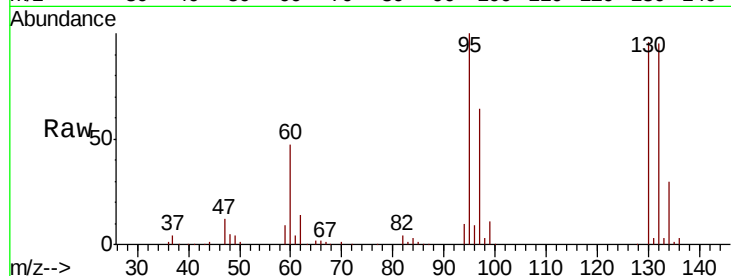




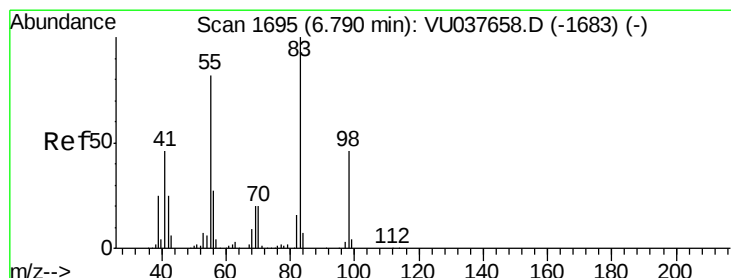
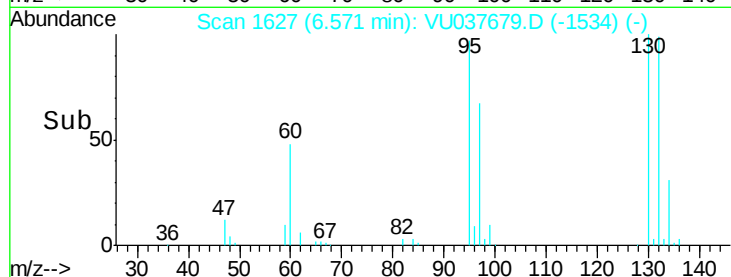
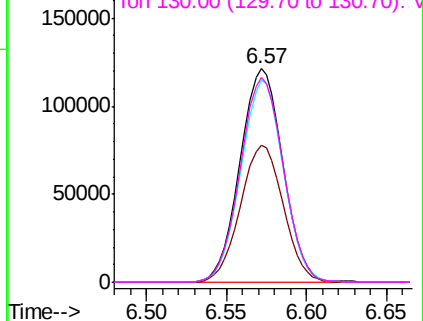
#34
 Trichloroethene
 Concen: 49.745 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037679.D
 Acq: 10 Apr 2020 17:58

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	222399
Ion	Ratio	Lower	Upper
95	100		
97	64.1	43.8	81.4
132	94.8	64.8	120.4
130	95.7	68.2	126.6

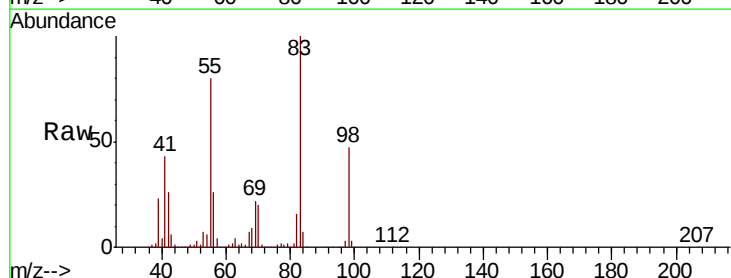


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

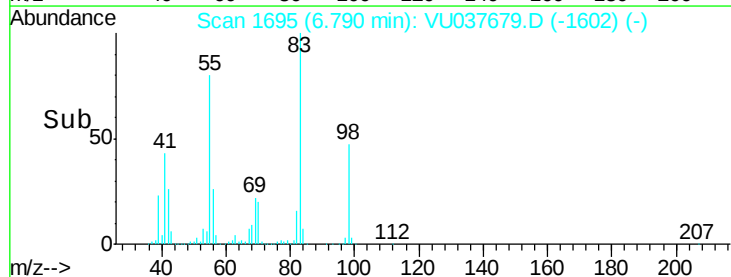
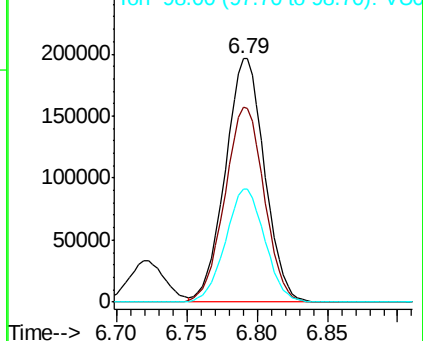


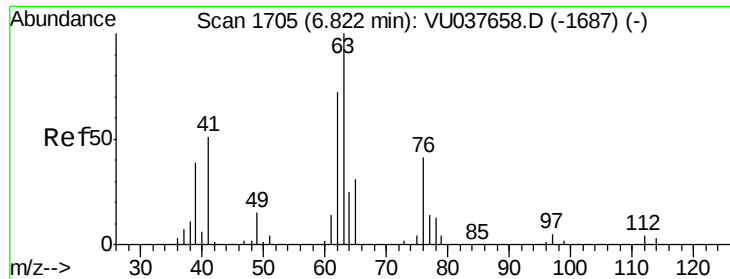
#35
 Methylcyclohexane
 Concen: 48.069 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU037679.D
 Acq: 10 Apr 2020 17:58

Tgt Ion:	83	Resp:	381319
Ion	Ratio	Lower	Upper
83	100		
55	80.2	64.6	96.8
98	46.6	38.0	57.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 50.449 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Instrument :

MSVOA_U

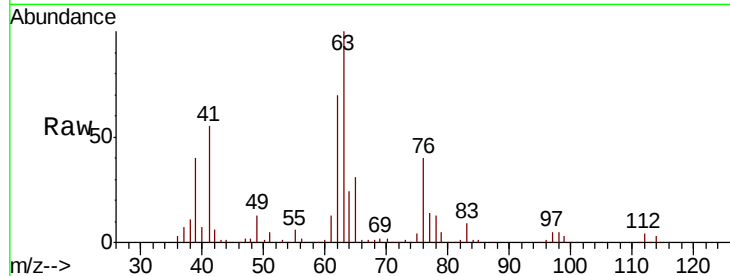
ClientSampleId :

Tot Ion: 63 Resp: 251760

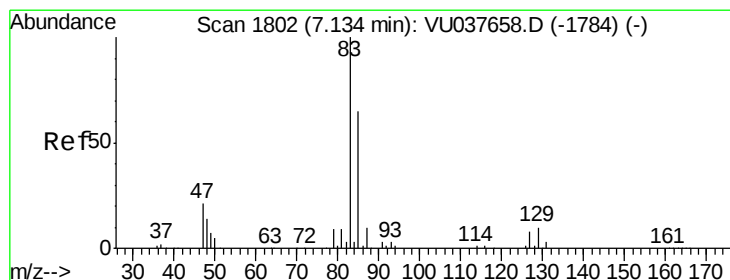
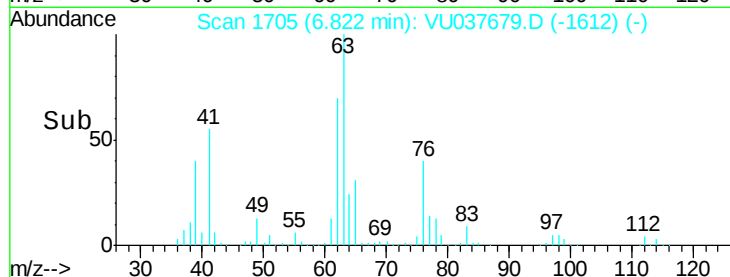
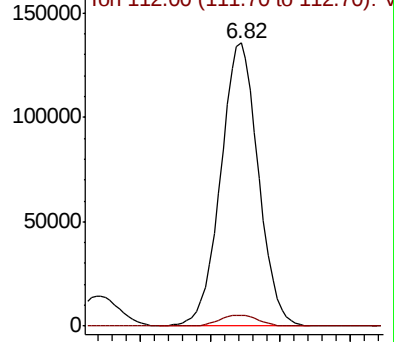
Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VU037679.D (-1612) (-)



#38

Bromodichloromethane

Concen: 49.878 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

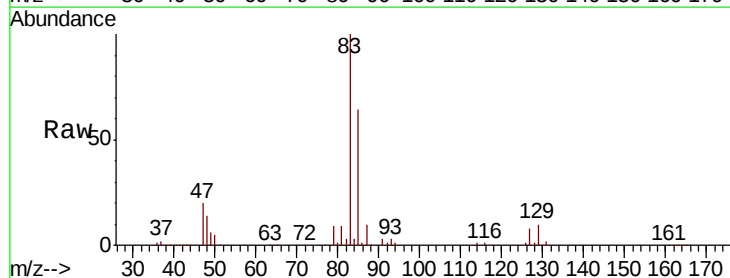
Tgt Ion: 83 Resp: 306415

Ion Ratio Lower Upper

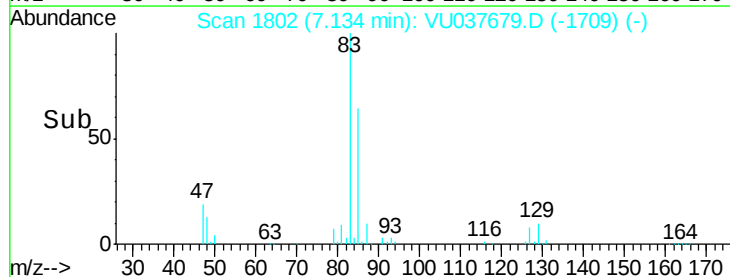
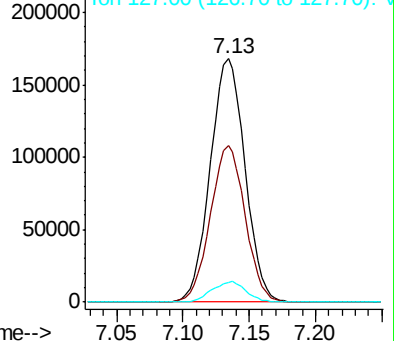
83 100

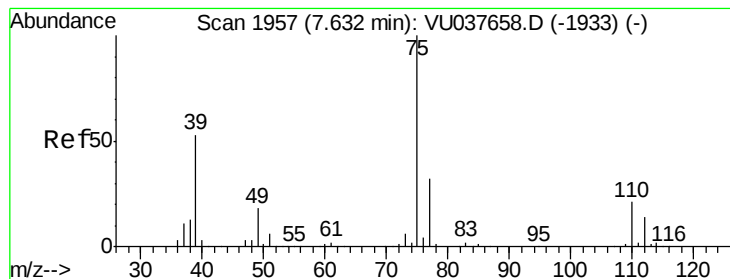
85 64.1 45.1 83.7

127 8.3 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VU037679.D (-1709) (-)



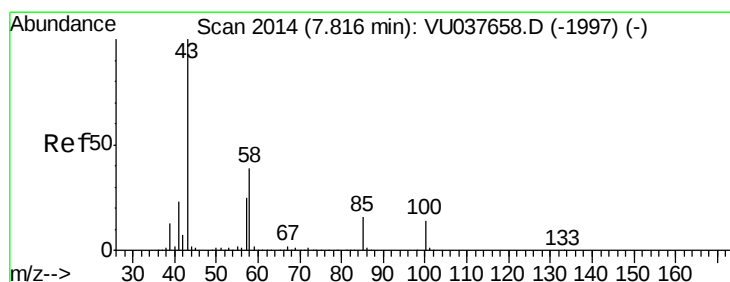
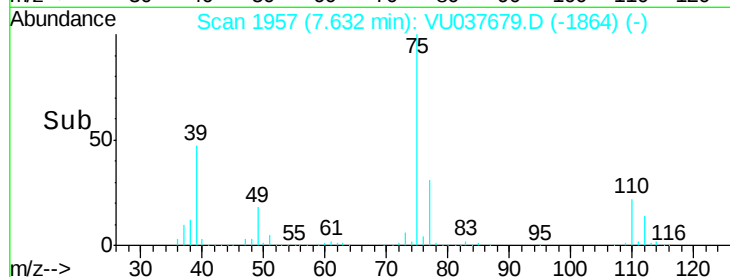
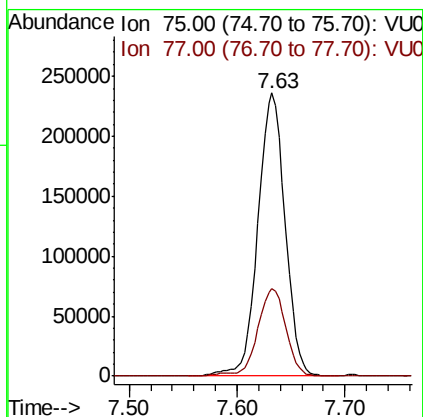
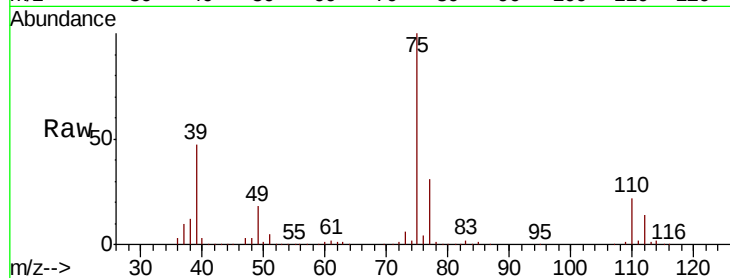


#39

cis-1,3-Dichloropropene
Concen: 50.524 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

Instrument :
MSVOA_U
ClientSampleId :

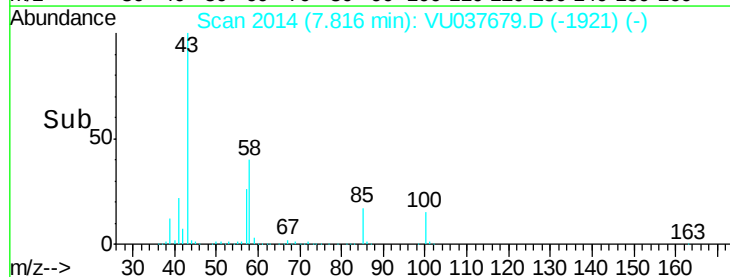
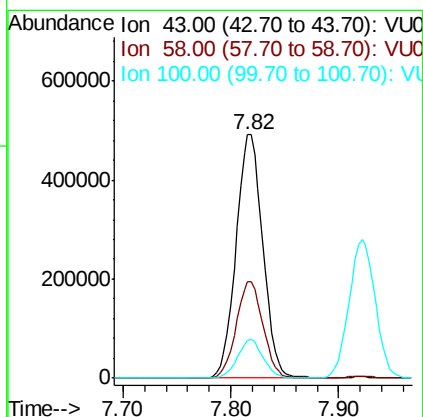
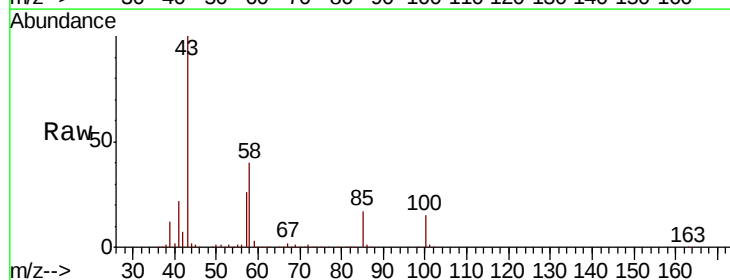
Tot Ion: 75 Resp: 412682
Ion Ratio Lower Upper
75 100
77 30.9 22.1 41.1

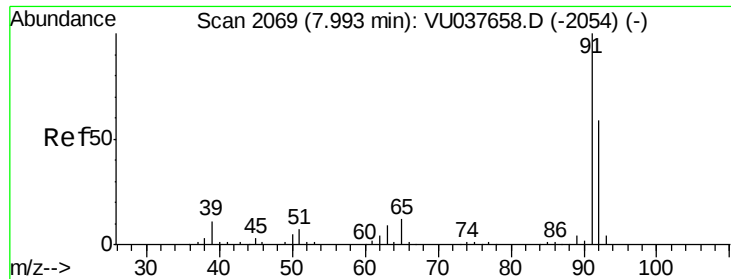


#40

4-Methyl-2-pentanone
Concen: 95.885 ug/L
RT: 7.82 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

Tgt Ion: 43 Resp: 849812
Ion Ratio Lower Upper
43 100
58 39.7 31.5 47.3
100 15.2 12.0 18.0





#42

Toluene

Concen: 50.080 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Instrument :

MSVOA_U

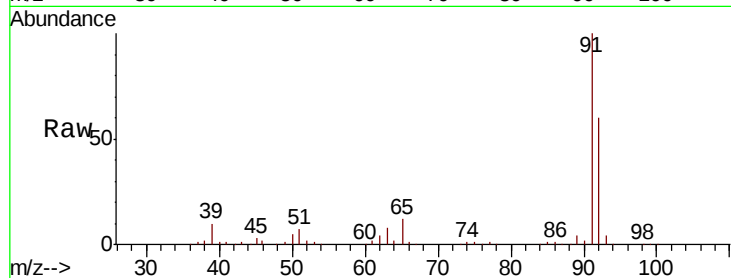
ClientSampleId :

Tot Ion: 91 Resp: 966179

Ion Ratio Lower Upper

91 100

92 59.5 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.99

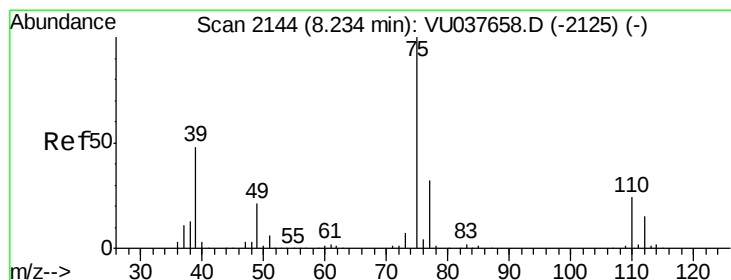
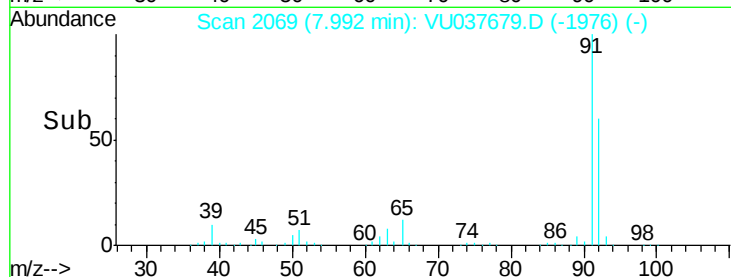
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.858 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037679.D

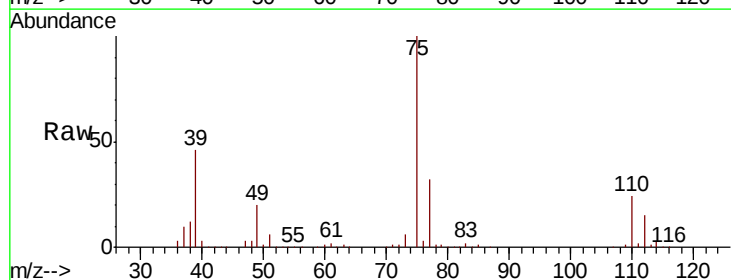
Acq: 10 Apr 2020 17:58

Tgt Ion: 75 Resp: 394751

Ion Ratio Lower Upper

75 100

77 31.6 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

8.23

250000

200000

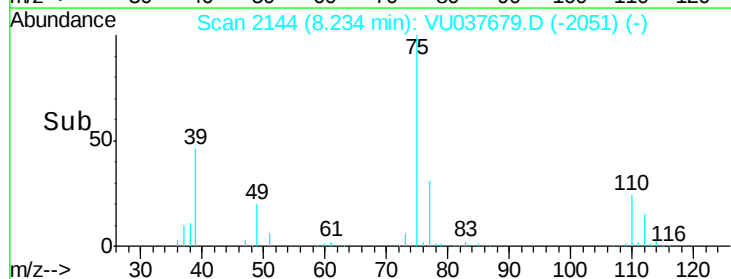
150000

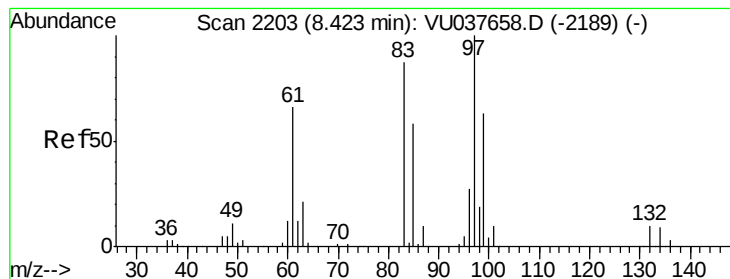
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 50.641 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 225488

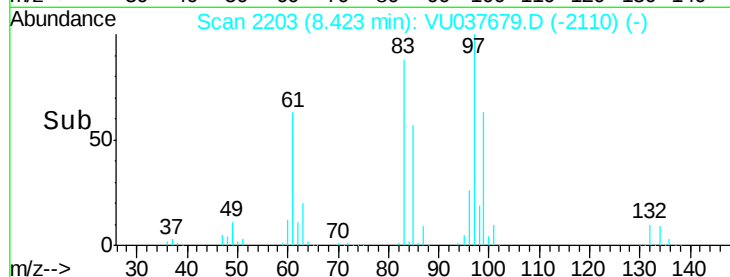
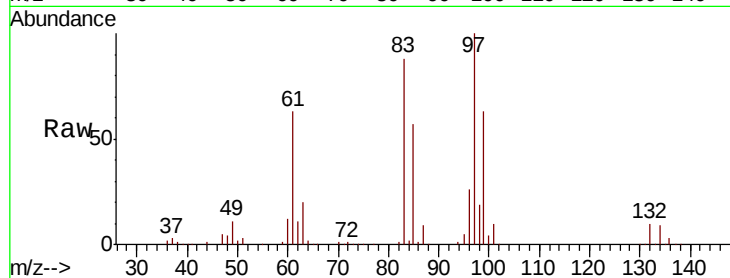
Ion Ratio Lower Upper

97 100

99 63.5 43.6 81.0

83 88.1 61.2 113.8

85 57.3 38.4 71.4



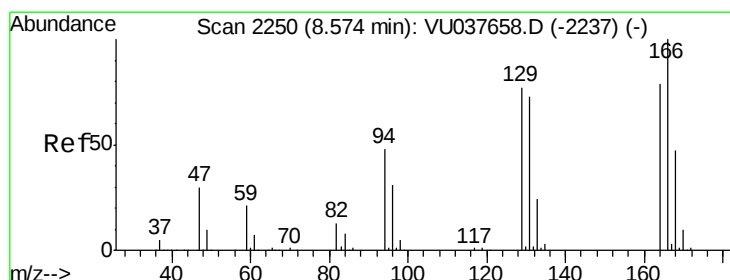
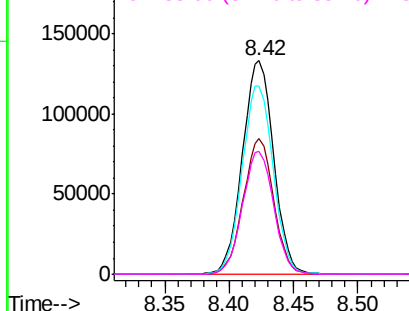
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 48.700 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Tgt Ion: 164 Resp: 161996

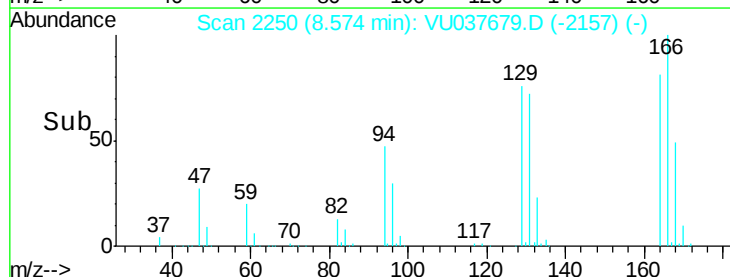
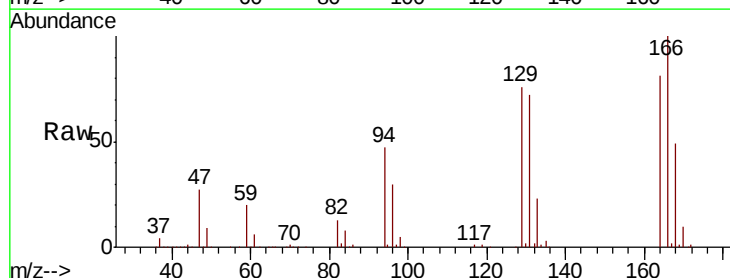
Ion Ratio Lower Upper

164 100

129 94.1 68.0 126.2

131 89.2 65.8 122.2

166 123.8 92.0 170.9



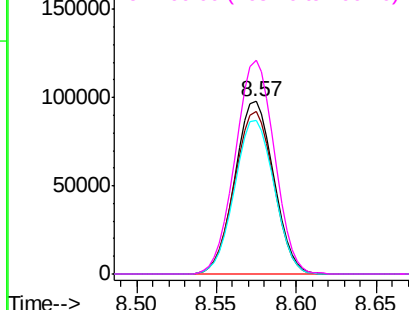
Abundance

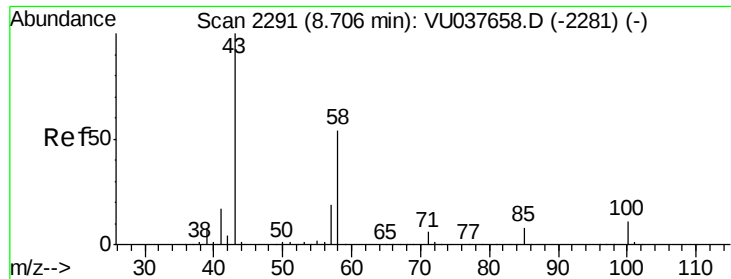
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

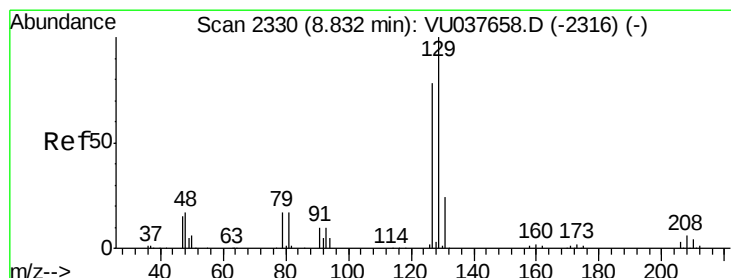
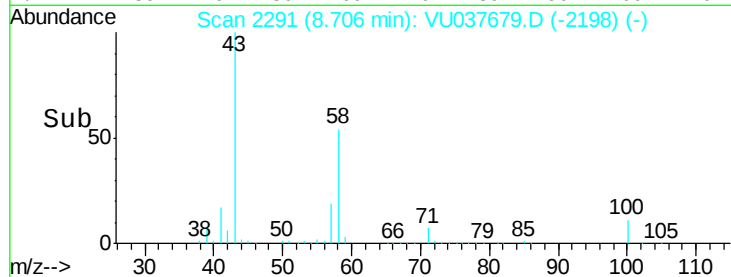
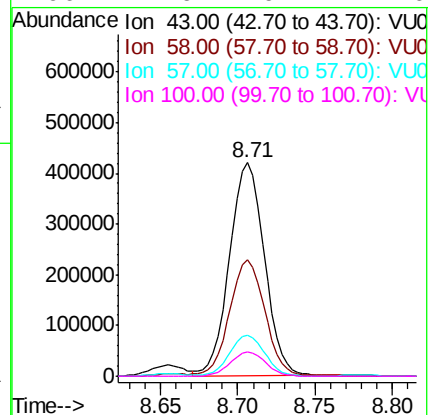
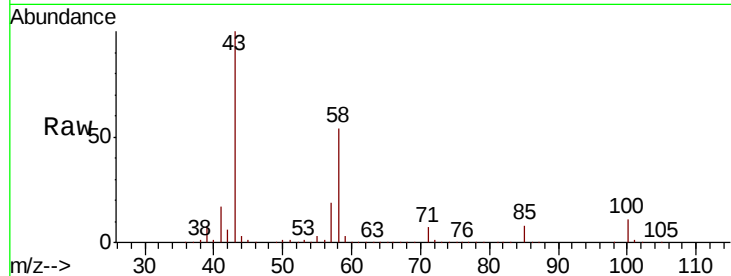




#48
2-Hexanone
Concen: 93.928 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

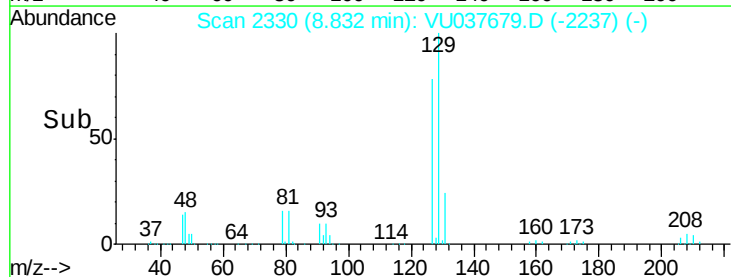
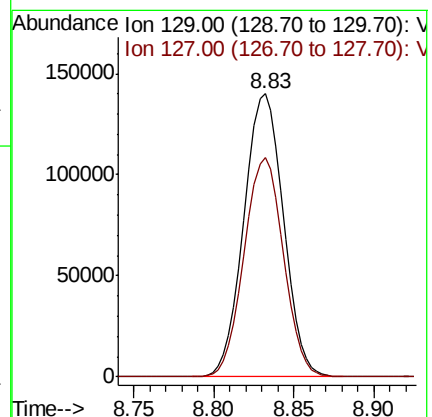
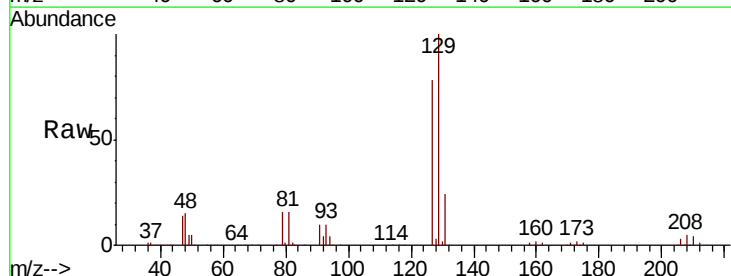
Instrument :
MSVOA_U
ClientSampleId :

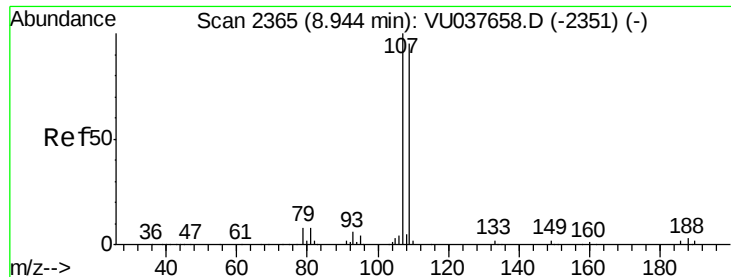
Tot Ion: 43 Resp: 657330
Ion Ratio Lower Upper
43 100
58 55.2 44.0 66.0
57 19.1 15.2 22.8
100 11.6 9.4 14.0



#49
Dibromochloromethane
Concen: 49.588 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

Tgt Ion: 129 Resp: 236770
Ion Ratio Lower Upper
129 100
127 77.6 55.2 102.6

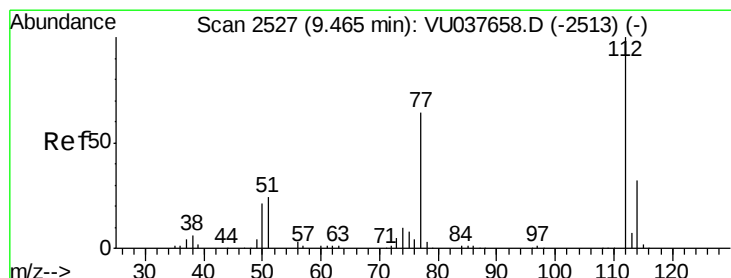
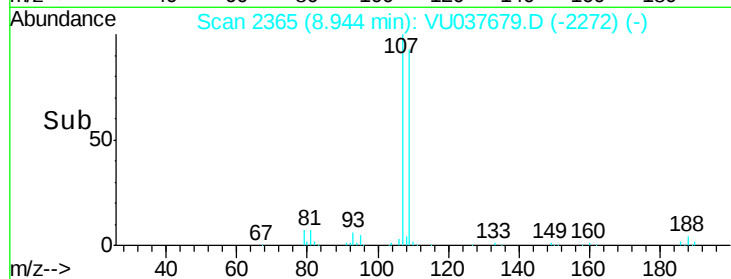
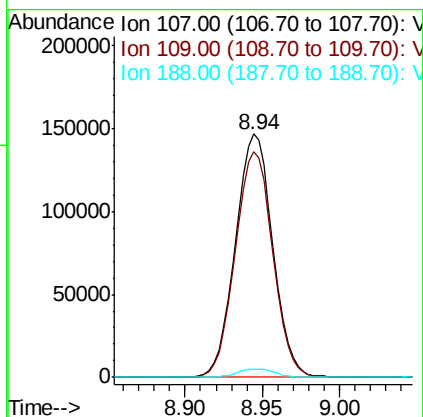
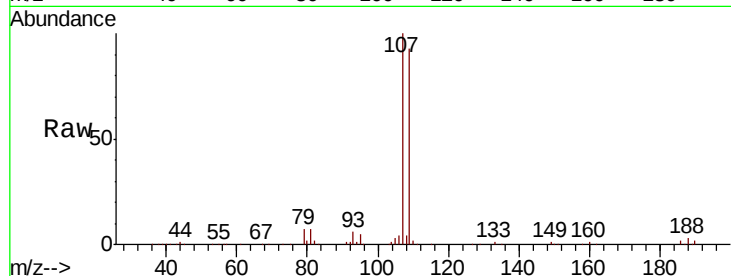




#50
 1,2-Dibromoethane
 Concen: 50.998 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU037679.D
 Acq: 10 Apr 2020 17:58

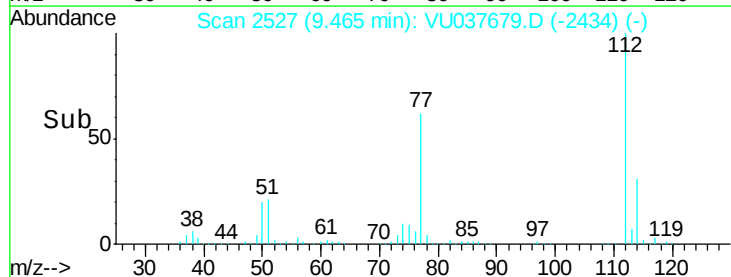
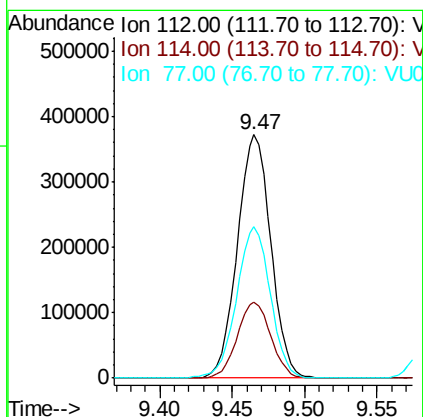
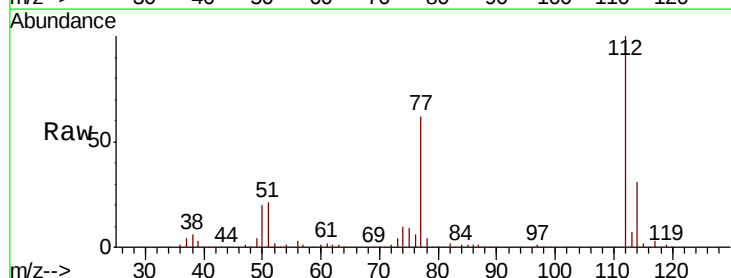
Instrument :
 MSVOA_U
 ClientSampleId :

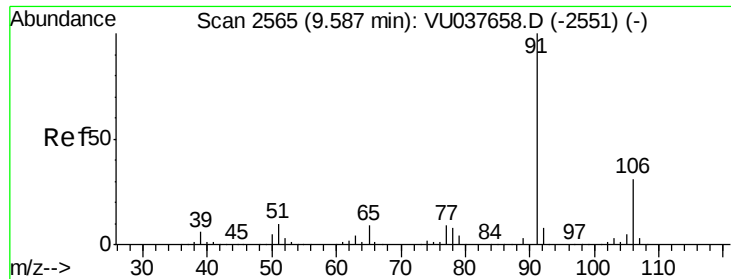
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	67.3	125.1
188	3.5	2.9	4.3



#51
 Chlorobenzene
 Concen: 49.503 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU037679.D
 Acq: 10 Apr 2020 17:58

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.4	41.6
77	62.1	49.2	73.8

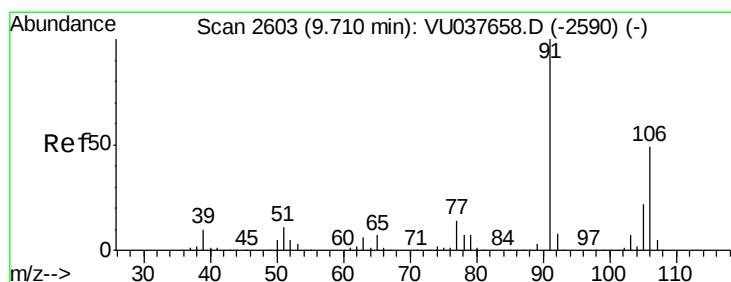
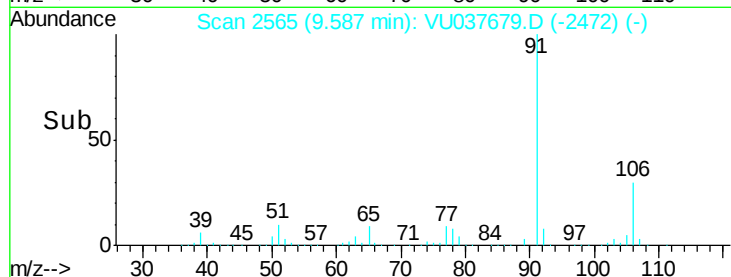
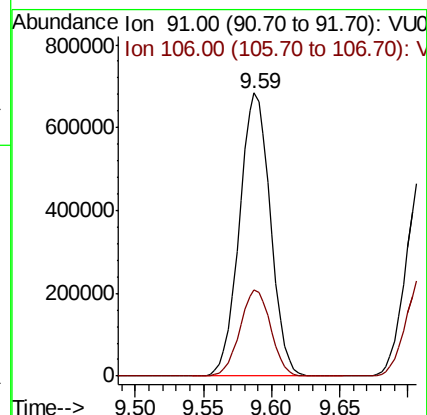
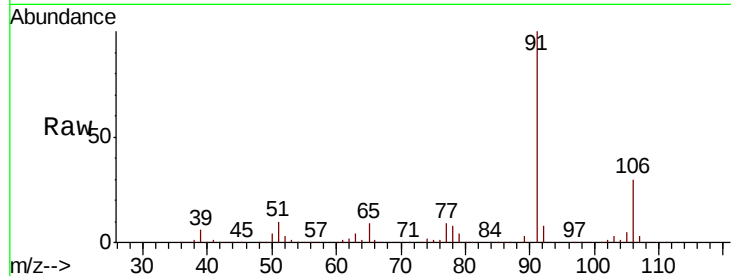




#52
Ethylbenzene
Concen: 49.786 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

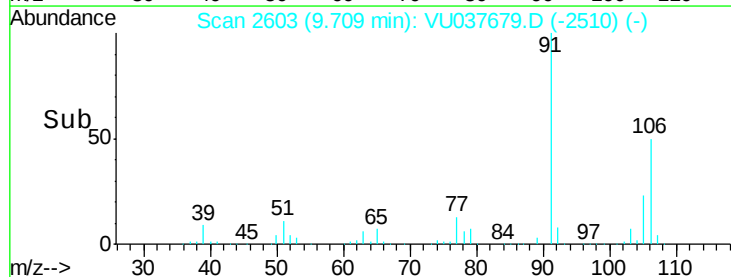
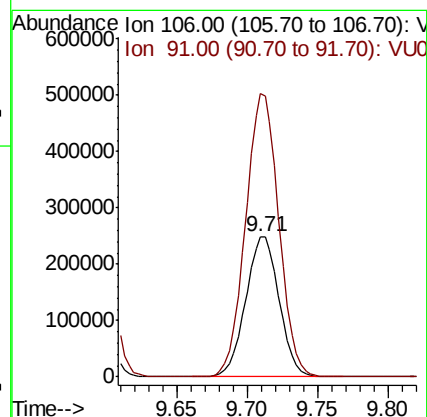
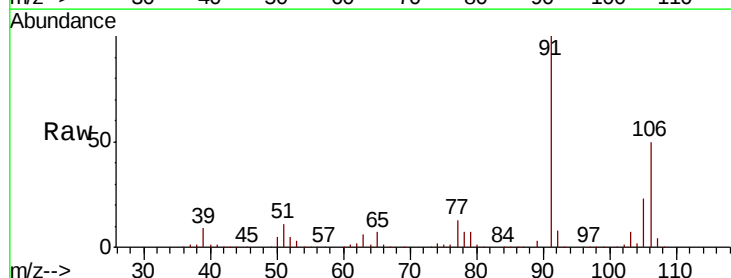
Instrument :
MSVOA_U
ClientSampleId :

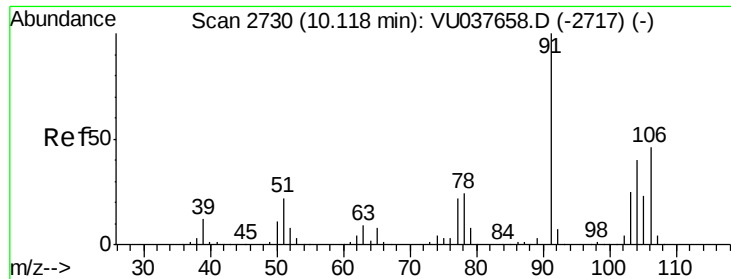
Tot Ion: 91 Resp: 1076896
Ion Ratio Lower Upper
91 100
106 30.3 21.6 40.0



#53
m,p-Xylene
Concen: 50.094 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

Tgt Ion: 106 Resp: 411432
Ion Ratio Lower Upper
106 100
91 201.3 140.8 261.6

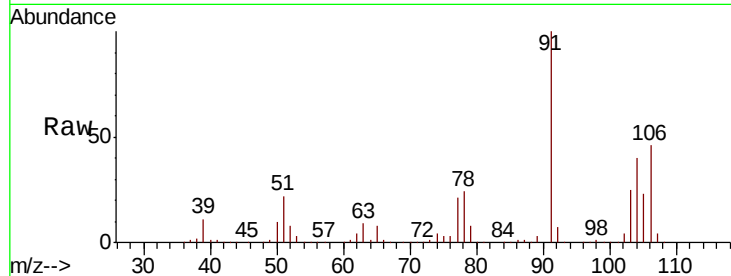




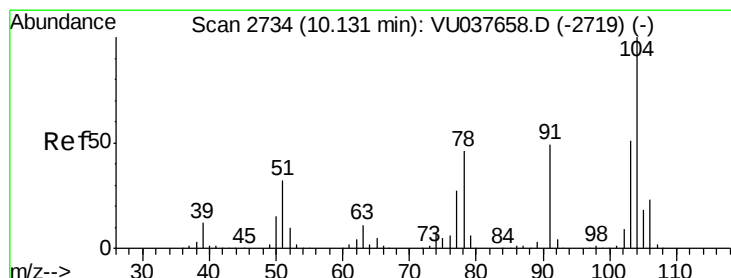
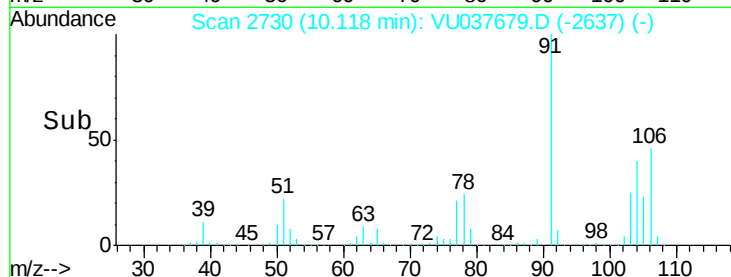
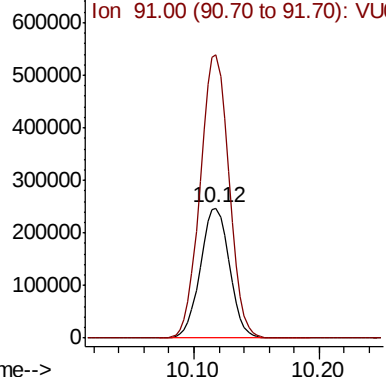
#54
o-xylene
Concen: 48.919 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 398476
Ion Ratio Lower Upper
106 100
91 217.2 151.1 280.5

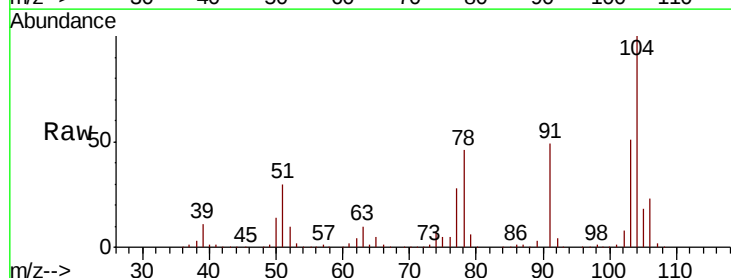


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

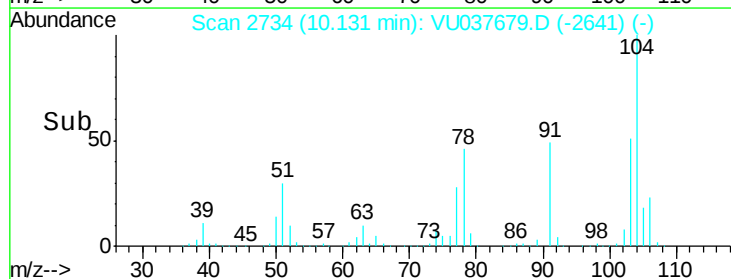
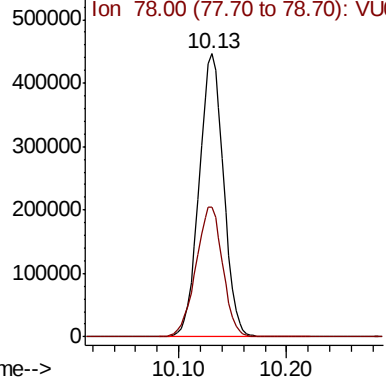


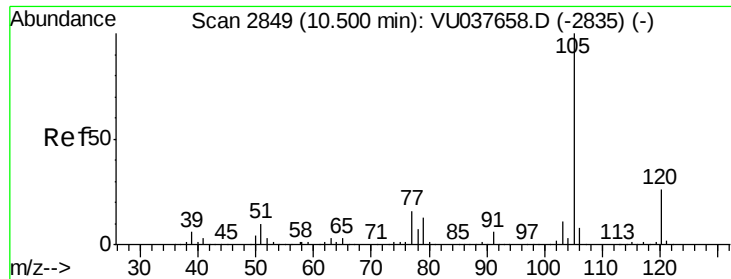
#55
Styrene
Concen: 49.978 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU037679.D
Acq: 10 Apr 2020 17:58

Tgt Ion:104 Resp: 705860
Ion Ratio Lower Upper
104 100
78 45.9 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.213 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Instrument :

MSVOA_U

ClientSampled :

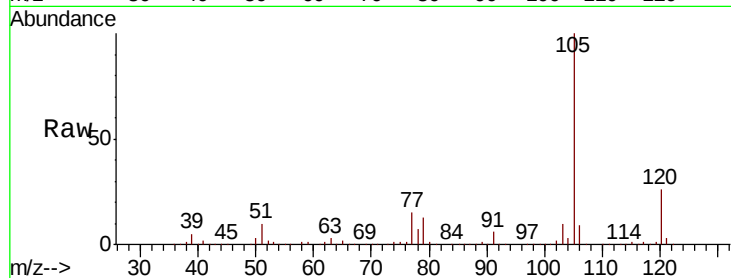
Tot Ion:105 Resp: 1043795

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

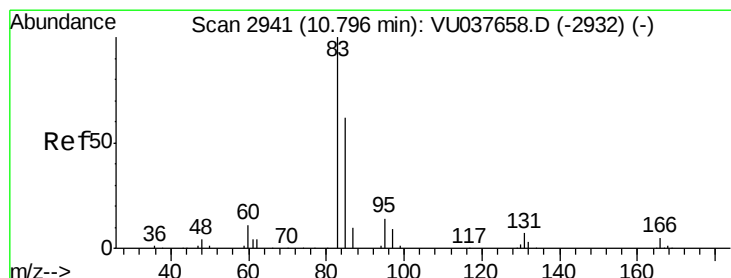
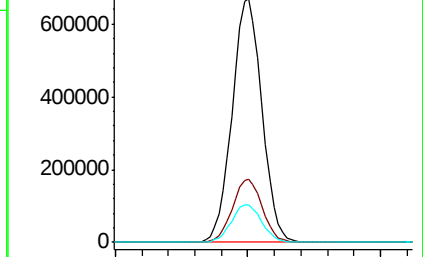
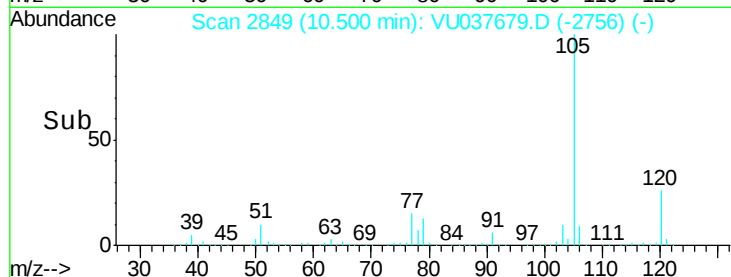
77 15.8 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.778 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

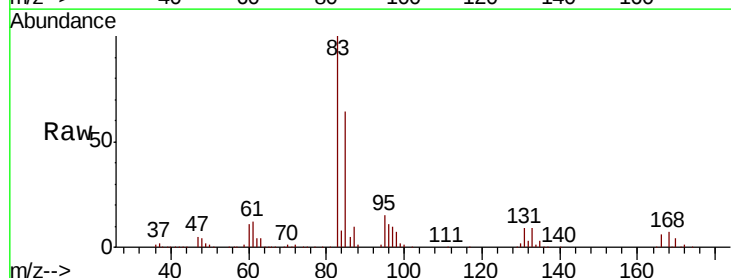
Tgt Ion: 83 Resp: 395775

Ion Ratio Lower Upper

83 100

85 64.4 44.2 82.2

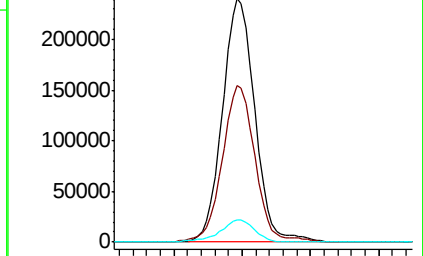
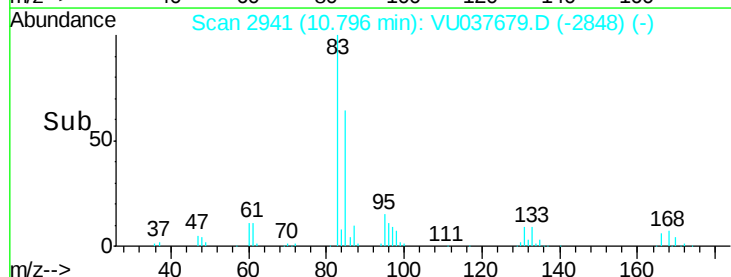
131 9.1 7.6 11.4

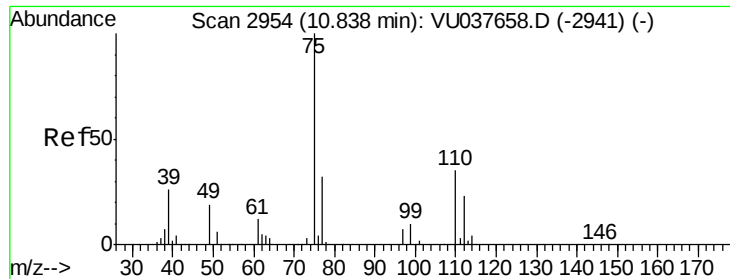


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.103 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Instrument :

MSVOA_U

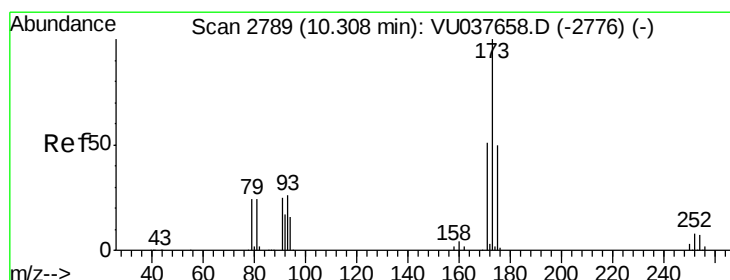
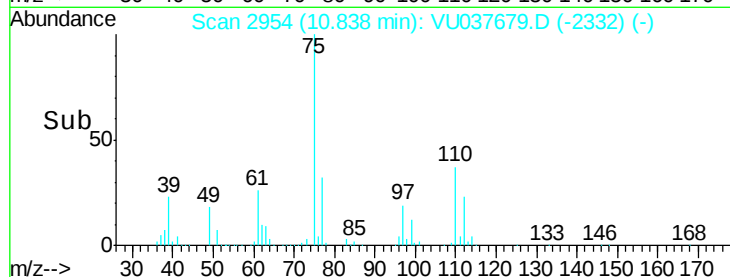
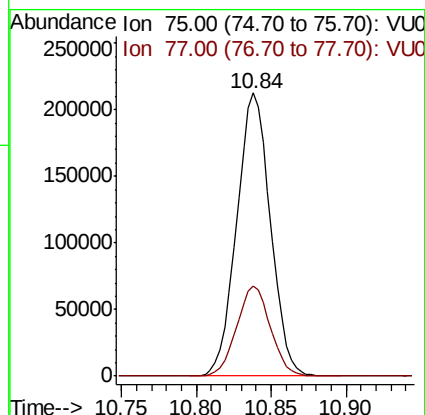
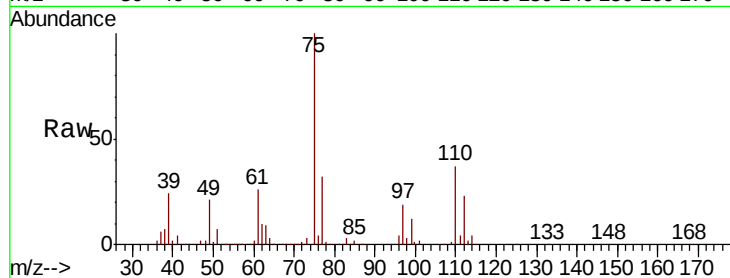
ClientSampled :

Tot Ion: 75 Resp: 332886

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4



#61

Bromoform

Concen: 48.380 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

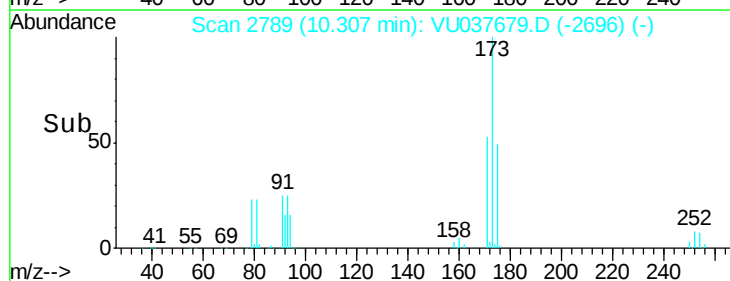
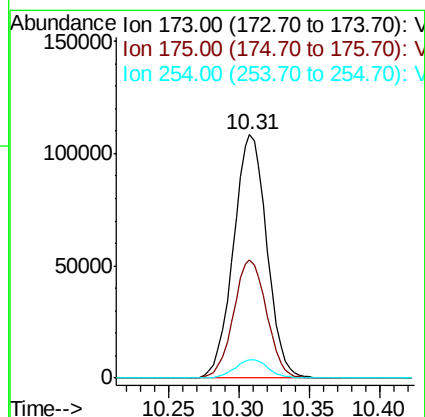
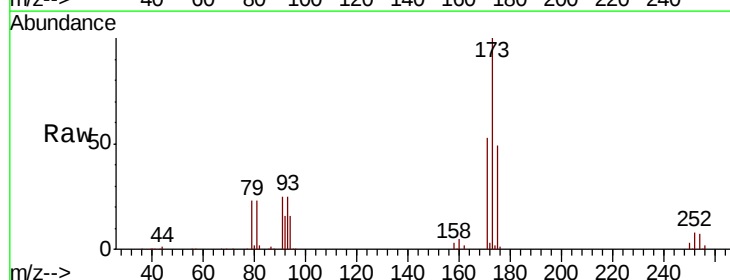
Tgt Ion: 173 Resp: 179711

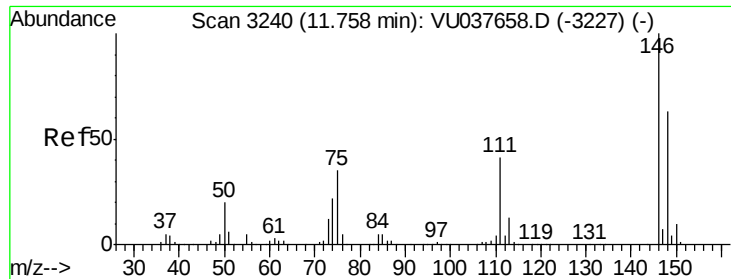
Ion Ratio Lower Upper

173 100

175 48.3 38.7 58.1

254 7.6 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 49.200 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Instrument :

MSVOA_U

ClientSampleId :

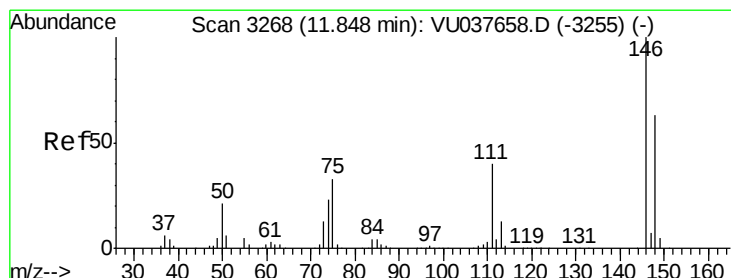
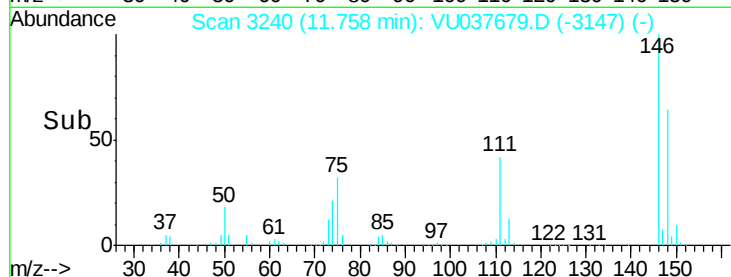
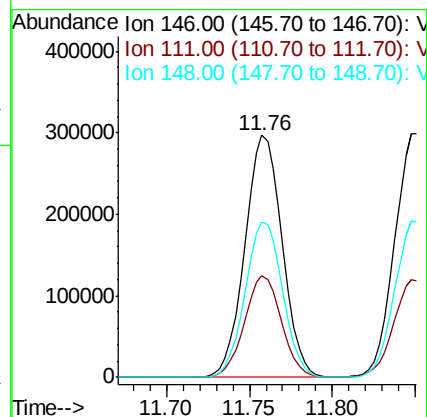
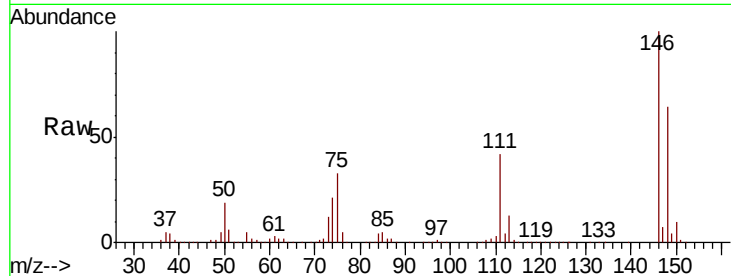
Tot Ion:146 Resp: 464178

Ion Ratio Lower Upper

146 100

111 41.7 28.6 53.0

148 64.2 44.7 82.9



#63

1,4-Dichlorobenzene

Concen: 49.603 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

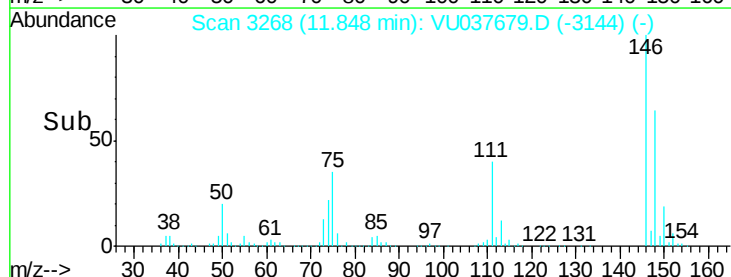
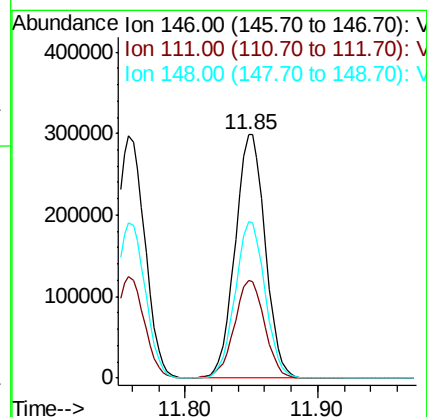
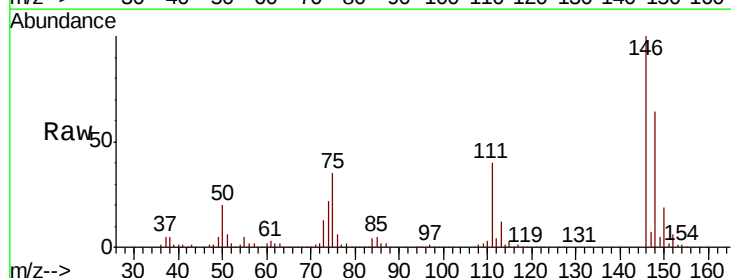
Tgt Ion:146 Resp: 469529

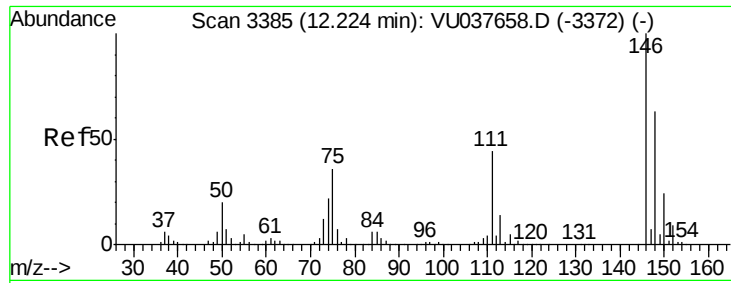
Ion Ratio Lower Upper

146 100

111 40.2 27.2 50.6

148 64.3 44.9 83.3





#65

1,2-Dichlorobenzene

Concen: 49.502 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Instrument :

MSVOA_U

ClientSampleId :

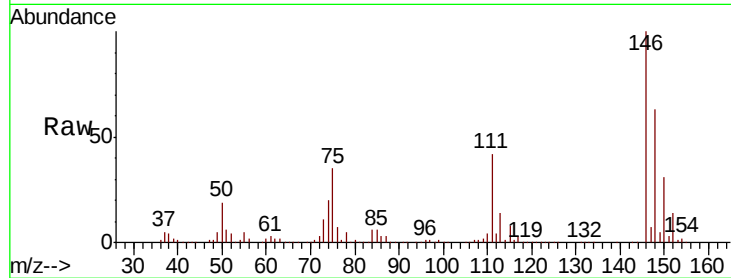
Tot Ion:146 Resp: 460257

Ion Ratio Lower Upper

146 100

111 42.1 34.2 51.4

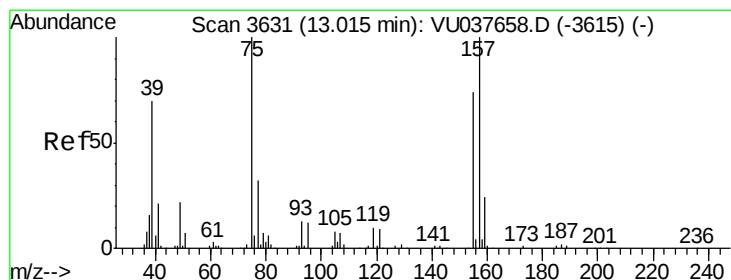
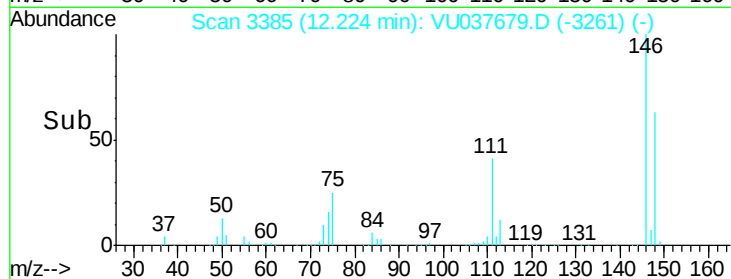
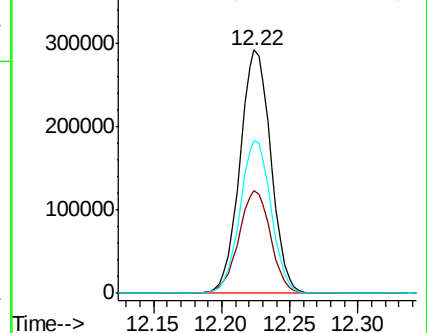
148 63.0 50.9 76.3



Abundance Ion 146.00 (145.70 to 146.70): 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: 47.951 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

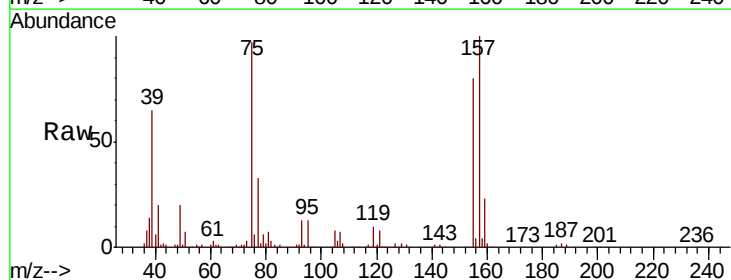
Tgt Ion: 75 Resp: 103278

Ion Ratio Lower Upper

75 100

155 81.9 60.9 91.3

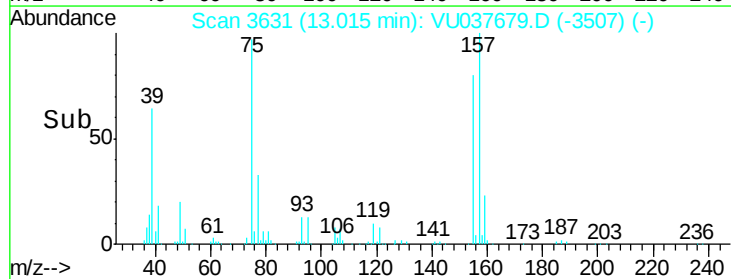
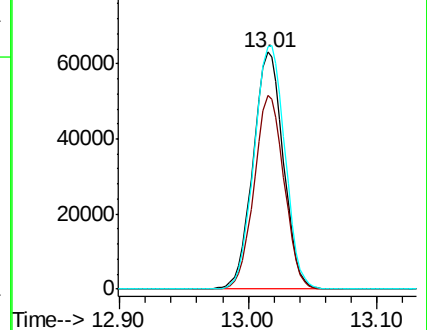
157 102.6 78.8 118.2

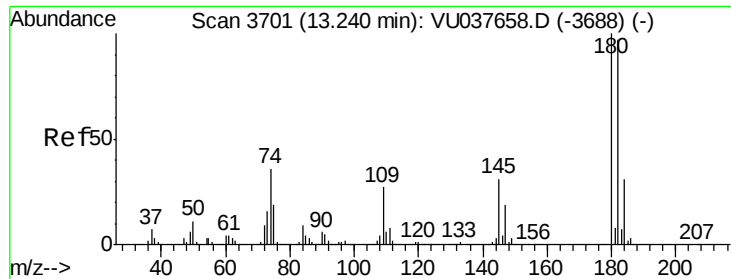


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

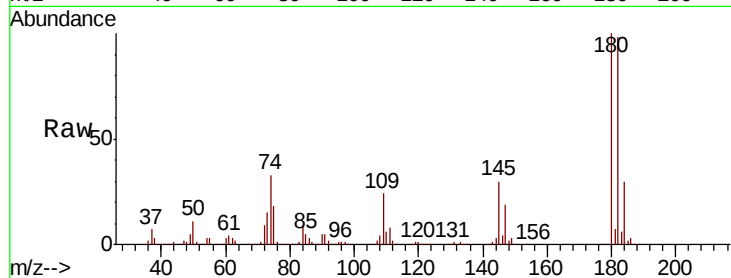




#67
 1,3,5-Trichlorobenzene
 Concen: 49.006 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037679.D
 Acq: 10 Apr 2020 17:58

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.4
184	30.1	24.7	37.1
145	29.7	23.8	35.6



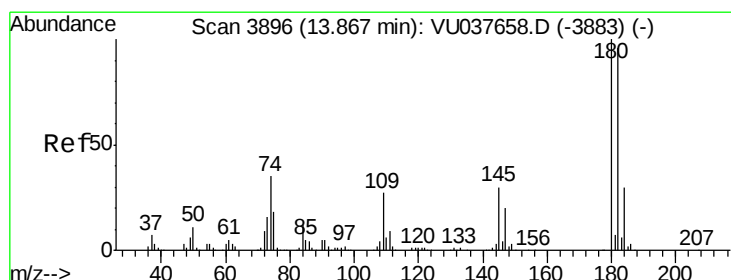
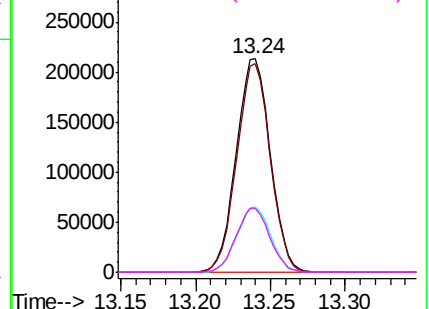
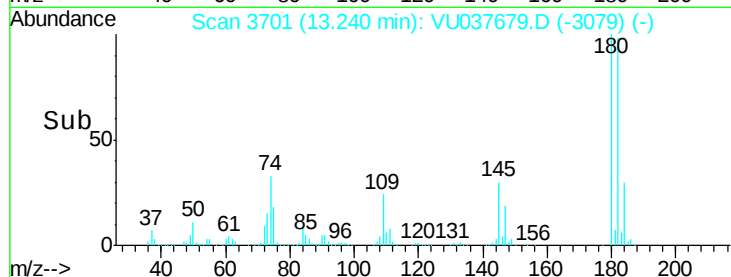
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

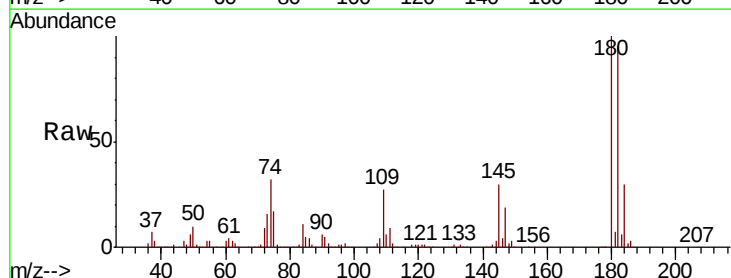
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.553 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU037679.D
 Acq: 10 Apr 2020 17:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.5	114.7
145	30.3	23.8	35.6

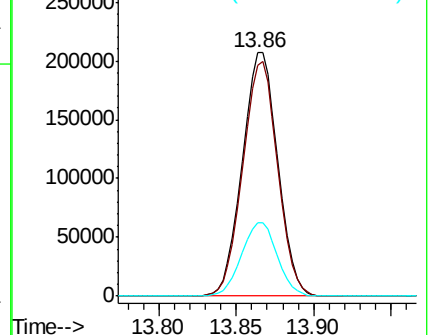
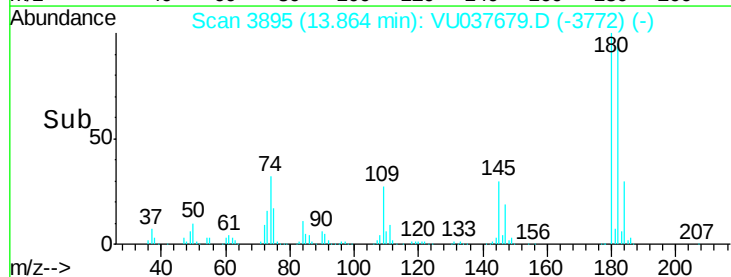


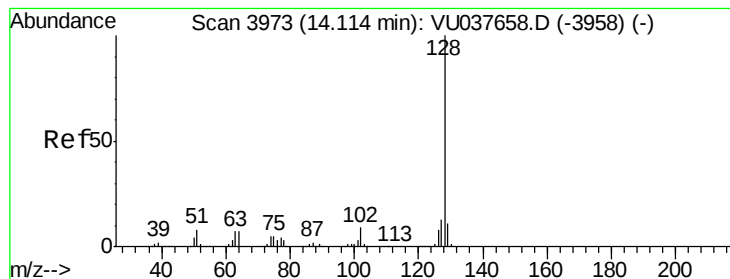
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 48.703 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

Instrument :

MSVOA_U

ClientSampleId :

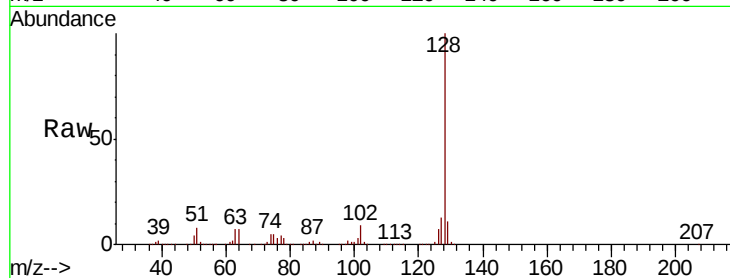
Tot Ion:128 Resp: 1195641

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

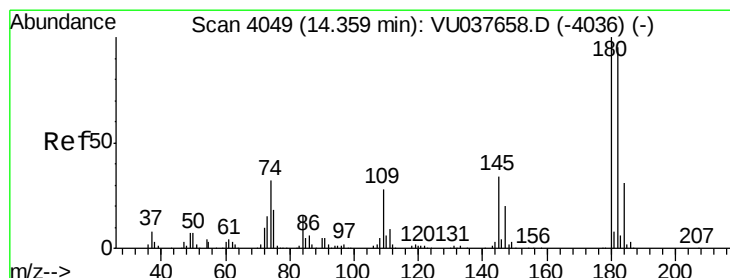
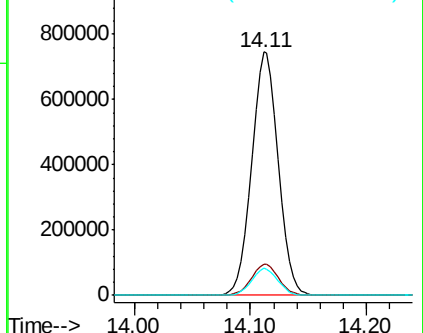
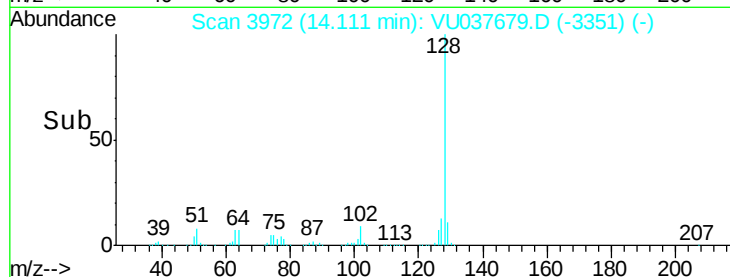
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.654 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU037679.D

Acq: 10 Apr 2020 17:58

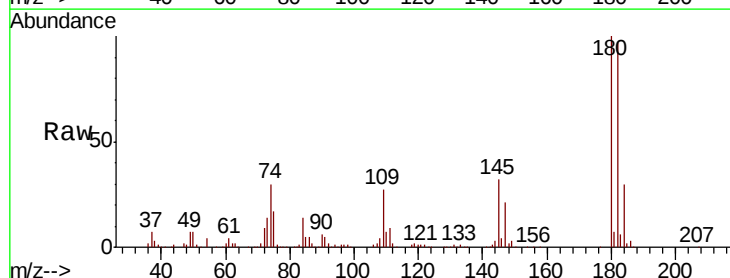
Tgt Ion:180 Resp: 322539

Ion Ratio Lower Upper

180 100

182 96.5 75.6 113.4

145 32.8 25.8 38.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

