

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037613.D
 Acq On : 09 Apr 2020 12:43
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 10 02:47:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 09 12:32:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	581264	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	554806	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	281073	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	244776	48.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.34%
7) Chloroethane-d5	1.93	69	198393	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.62%
11) 1,1-Dichloroethene-d2	2.59	63	402124	48.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.12%
21) 2-Butanone-d5	4.66	46	370364	89.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.96%
24) Chloroform-d	5.10	84	375988	49.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.48%
26) 1,2-Dichloroethane-d4	5.74	65	246170	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
32) Benzene-d6	5.76	84	800211	49.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.04%
36) 1,2-Dichloropropane-d6	6.72	67	263517	48.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.00%
41) Toluene-d8	7.92	98	733877	48.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.98%
43) trans-1,3-Dichloropropene-	8.20	79	138467	47.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.28%
47) 2-Hexanone-d5	8.66	63	282715	90.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.88%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	359897	46.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.78%
64) 1,2-Dichlorobenzene-d4	12.21	152	276075	47.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.40	85	249664	54.831	ug/L	99
3) Chloromethane	1.54	50	274239	51.498	ug/L	98
5) Vinyl chloride	1.62	62	285310	51.197	ug/L	98
6) Bromomethane	1.87	94	152463	51.982	ug/L	100
8) Chloroethane	1.95	64	166997	50.478	ug/L	100
9) Trichlorofluoromethane	2.16	101	310390	51.575	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	183724	50.141	ug/L	100
12) 1,1-Dichloroethene	2.60	96	181212	48.768	ug/L	95
13) Acetone	2.65	43	226019	92.955	ug/L	100
14) Carbon disulfide	2.82	76	616585	48.439	ug/L	100
15) Methyl Acetate	2.98	43	274492	47.472	ug/L	99
16) Methylene chloride	3.08	84	209164	49.272	ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	198680	49.840	ug/L	99
18) Methyl tert-butyl Ether	3.40	73	696943	50.646	ug/L	100
19) 1,1-Dichloroethane	3.91	63	389495	49.839	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	218949	49.953	ug/L	98
22) 2-Butanone	4.75	43	391775	92.056	ug/L	100

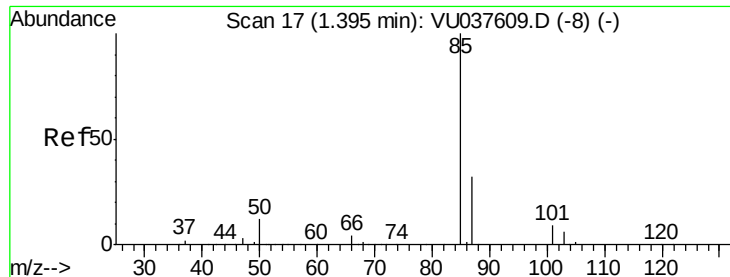
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	106383	49.801	ug/L	99
25) Chloroform	5.13	83	371269	50.489	ug/L	99
27) 1,2-Dichloroethane	5.83	62	307594	50.573	ug/L	100
29) Cyclohexane	5.42	56	395299	51.812	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	316018	50.253	ug/L	100
31) Carbon tetrachloride	5.56	117	257827	50.505	ug/L	100
33) Benzene	5.81	78	861434	51.021	ug/L	100
34) Trichloroethene	6.57	95	209810	50.480	ug/L	97
35) Methylcyclohexane	6.79	83	381806	51.773	ug/L	100
37) 1,2-Dichloropropane	6.82	63	231345	49.866	ug/L	100
38) Bromodichloromethane	7.14	83	289734	50.732	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	387397	51.017	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	774056	93.946	ug/L	99
42) Toluene	8.00	91	912472	50.875	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	370887	50.388	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	207633	50.159	ug/L	99
46) Tetrachloroethene	8.58	164	156689	50.669	ug/L	97
48) 2-Hexanone	8.71	43	598849	92.047	ug/L	99
49) Dibromochloromethane	8.83	129	222434	50.110	ug/L	98
50) 1,2-Dibromoethane	8.95	107	224768	50.185	ug/L	97
51) Chlorobenzene	9.47	112	567605	50.675	ug/L	99
52) Ethylbenzene	9.59	91	1004049	49.931	ug/L	99
53) m,p-Xylene	9.72	106	392861	51.452	ug/L	100
54) o-xylene	10.12	106	386237	51.004	ug/L	98
55) Styrene	10.13	104	672358	51.208	ug/L	99
56) Isopropylbenzene	10.50	105	993904	50.407	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	360375	48.755	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	301829	47.890	ug/L	100
61) Bromoform	10.31	173	173011	48.569	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	444614	49.144	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	445051	49.029	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	434392	48.720	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	95137	46.062	ug/L	95
67) 1,3,5-Trichlorobenzene	13.25	180	332476	50.260	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	314183	49.242	ug/L	99
69) Naphthalene	14.12	128	1090837	46.335	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	309555	48.693	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 54.831 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

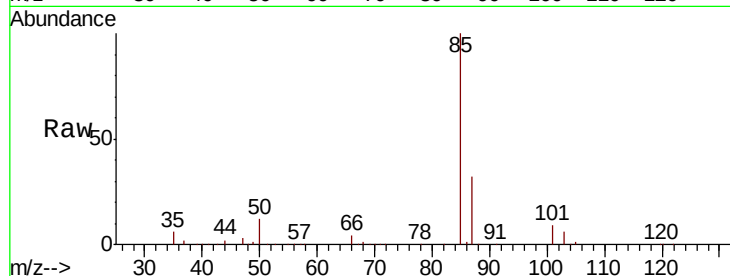
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 249664

Ion Ratio Lower Upper

85 100

87 32.2 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU037613.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU037613.D (-1) (-)

1.40

250000

200000

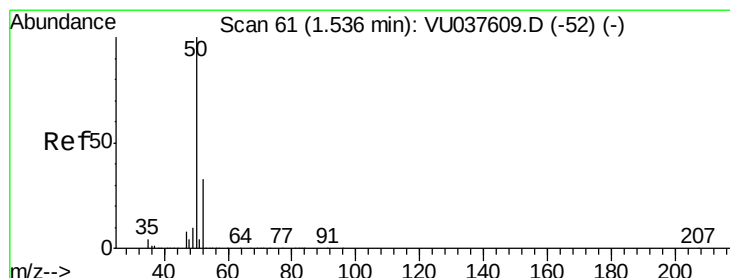
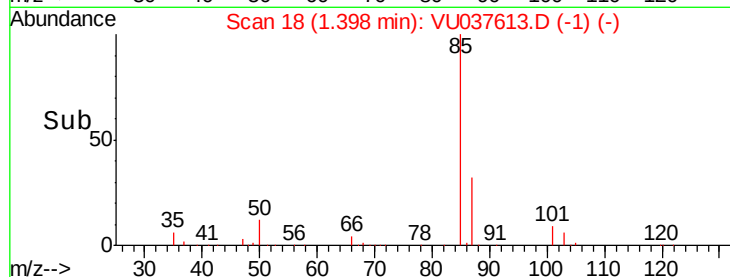
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.498 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037613.D

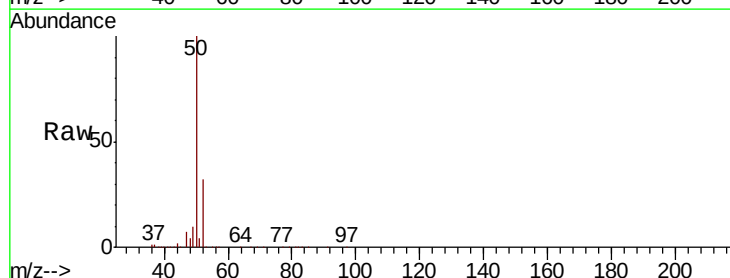
Acq: 09 Apr 2020 12:43

Tgt Ion: 50 Resp: 274239

Ion Ratio Lower Upper

50 100

52 32.2 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU037613.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU037613.D (-1) (-)

1.54

300000

250000

200000

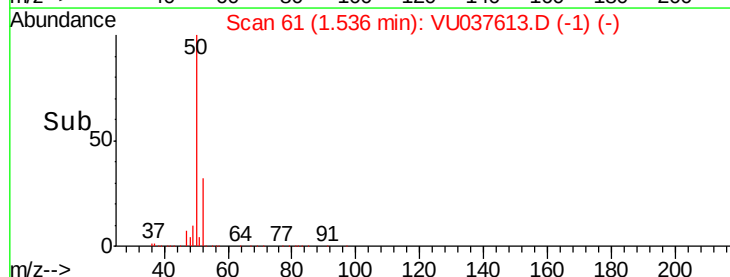
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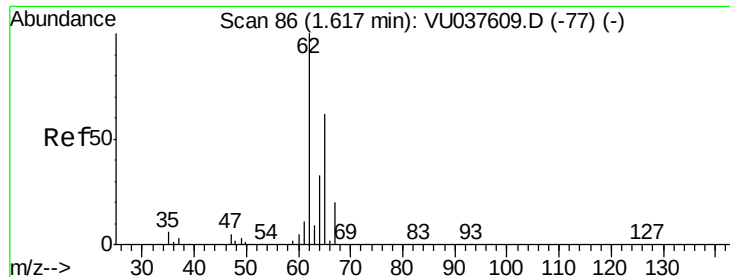
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 51.197 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Instrument :

MSVOA_U

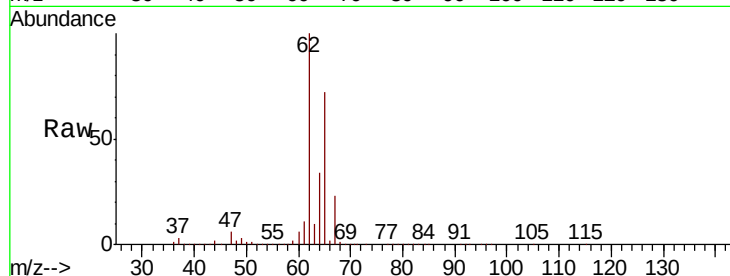
ClientSampleId :

Tot Ion: 62 Resp: 285310

Ion Ratio Lower Upper

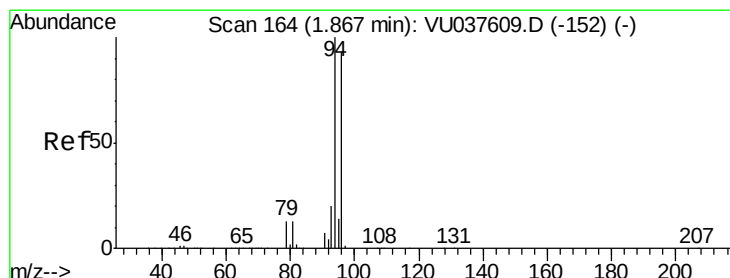
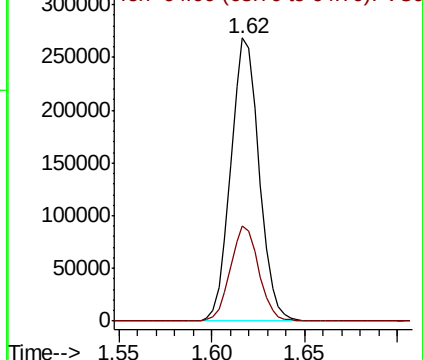
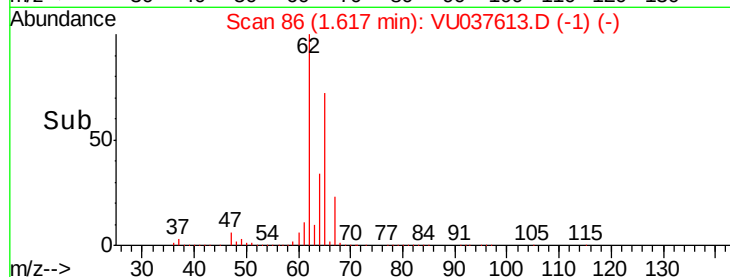
62 100

64 33.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU037613.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU037613.D (-1) (-)



#6

Bromomethane

Concen: 51.982 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU037613.D

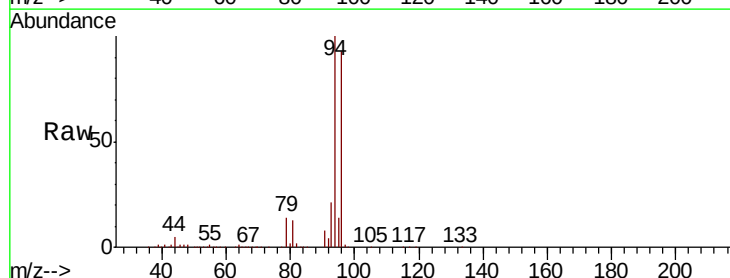
Acq: 09 Apr 2020 12:43

Tgt Ion: 94 Resp: 152463

Ion Ratio Lower Upper

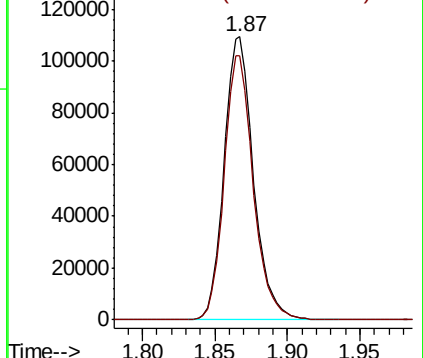
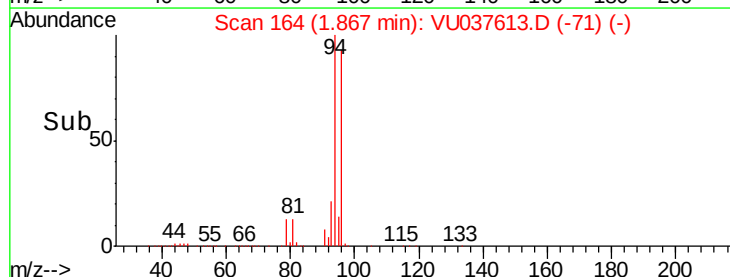
94 100

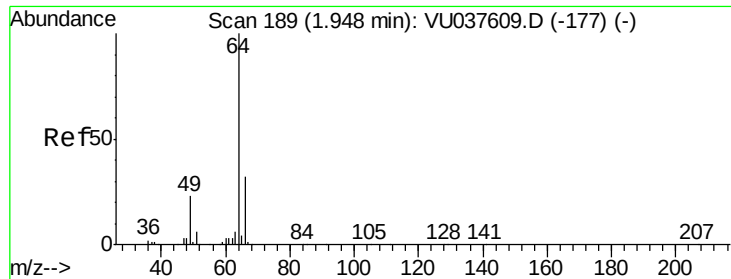
96 93.2 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VU037613.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU037613.D (-71) (-)

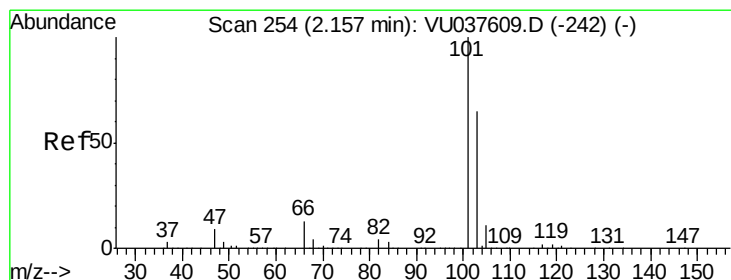
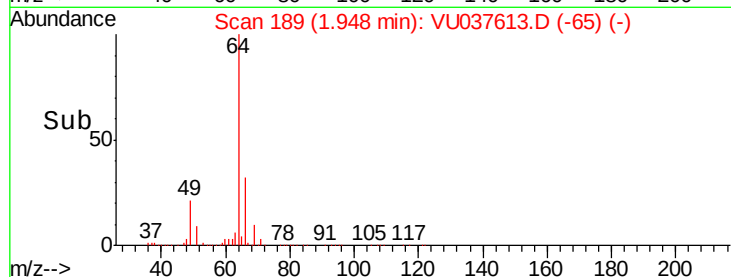
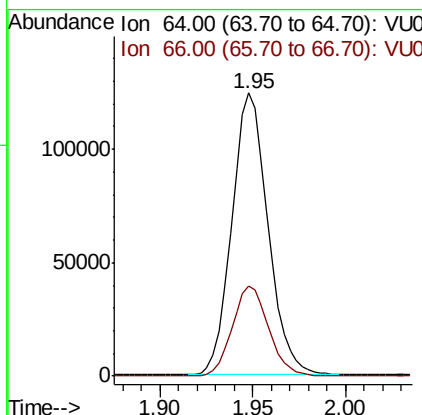
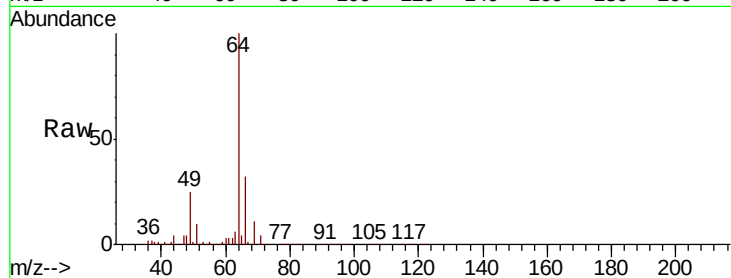




#8
Chloroethane
Concen: 50.478 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU037613.D
Acq: 09 Apr 2020 12:43

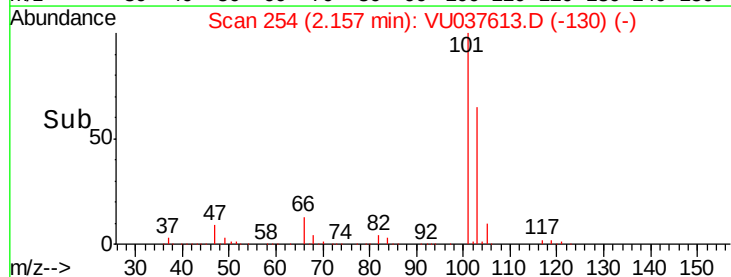
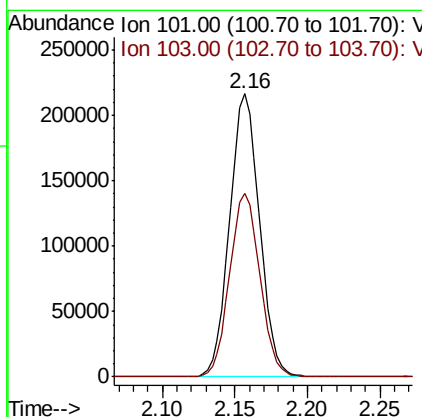
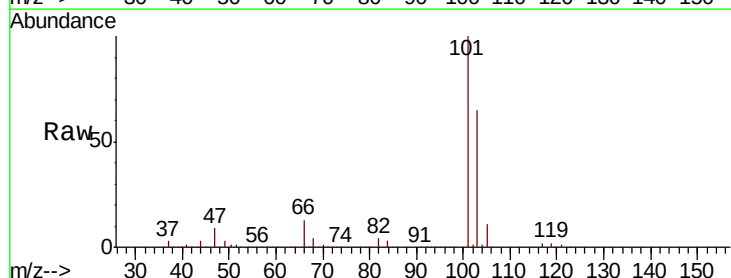
Instrument :
MSVOA_U
ClientSampled :

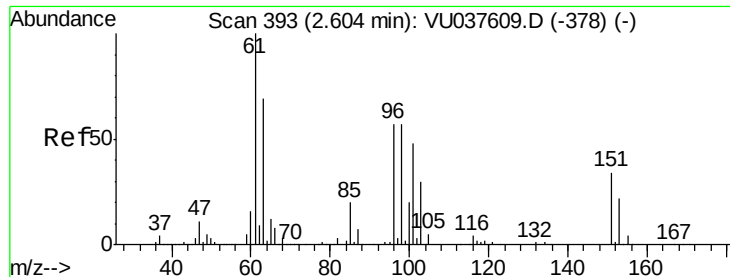
Tot Ion: 64 Resp: 166997
Ion Ratio Lower Upper
64 100
66 32.0 22.6 42.0



#9
Trichlorofluoromethane
Concen: 51.575 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037613.D
Acq: 09 Apr 2020 12:43

Tgt Ion:101 Resp: 310390
Ion Ratio Lower Upper
101 100
103 65.7 52.2 78.2





#10

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

Concen: 50.141 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Instrument :

MSVOA_U

ClientSampleId :

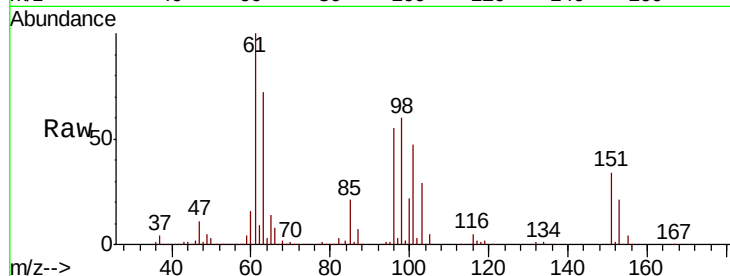
Tot Ion:101 Resp: 183724

Ion Ratio Lower Upper

101 100

85 43.0 34.5 51.7

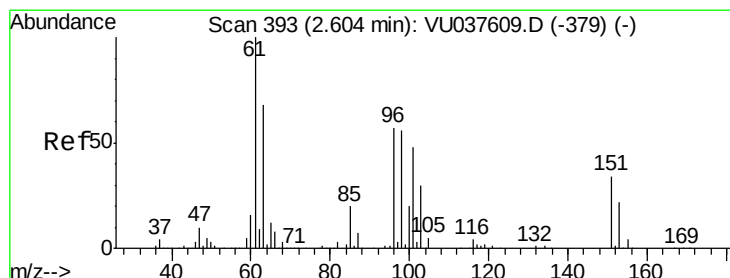
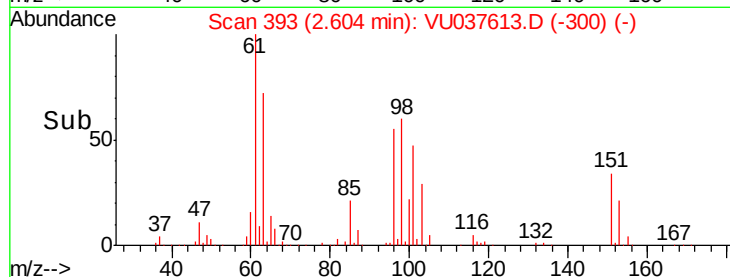
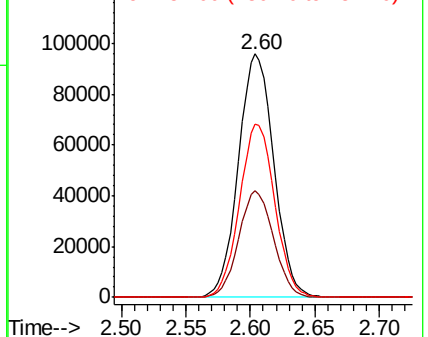
151 70.8 56.8 85.2



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: 48.768 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

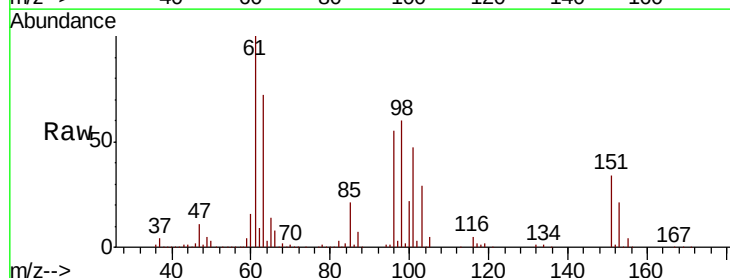
Tgt Ion: 96 Resp: 181212

Ion Ratio Lower Upper

96 100

61 182.0 123.6 229.6

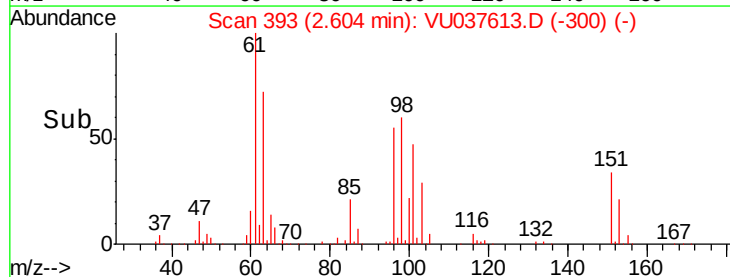
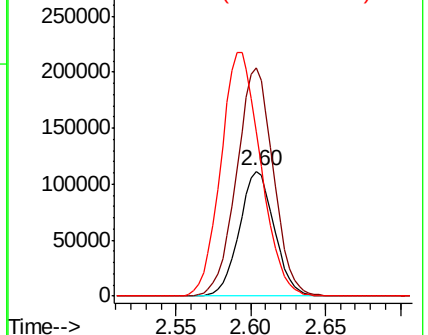
63 131.0 85.7 159.1

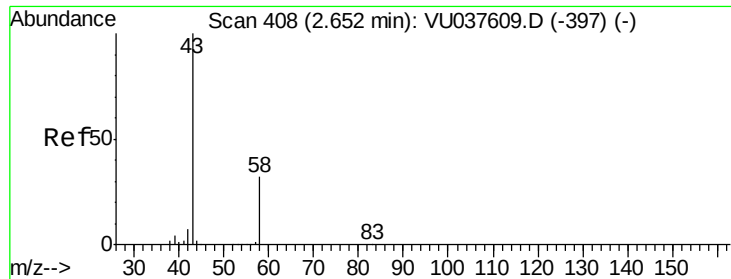


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 92.955 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Instrument :

MSVOA_U

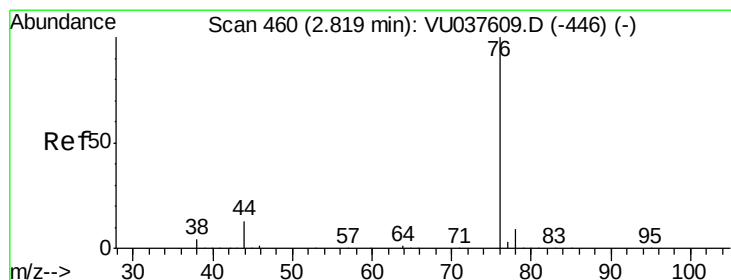
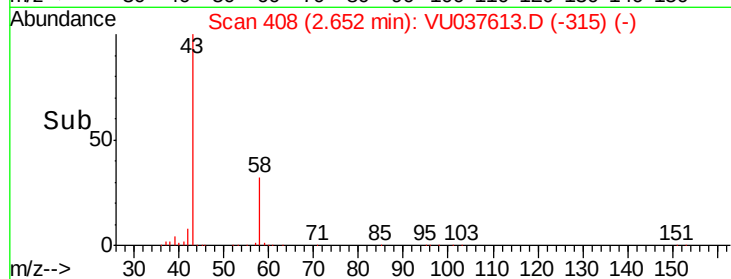
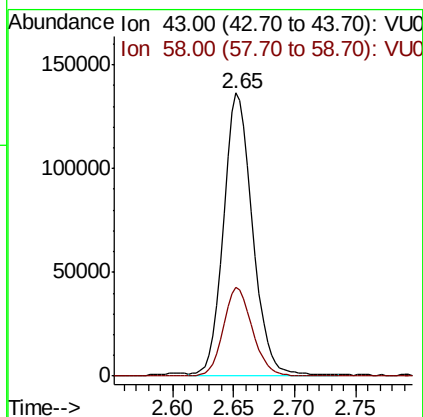
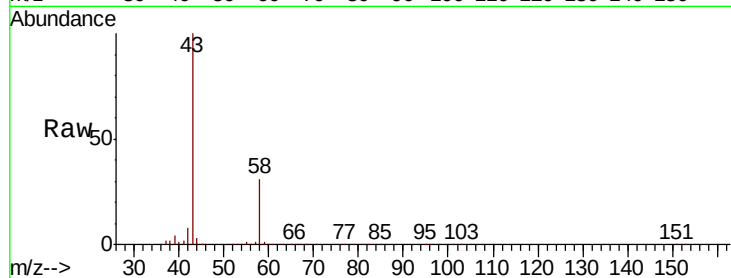
ClientSampleId :

Tot Ion: 43 Resp: 226019

Ion Ratio Lower Upper

43 100

58 31.8 0.0 63.2



#14

Carbon disulfide

Concen: 48.439 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037613.D

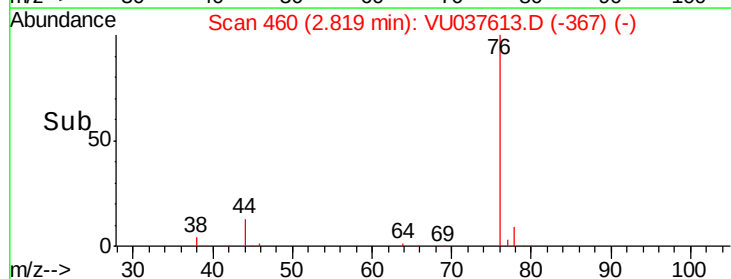
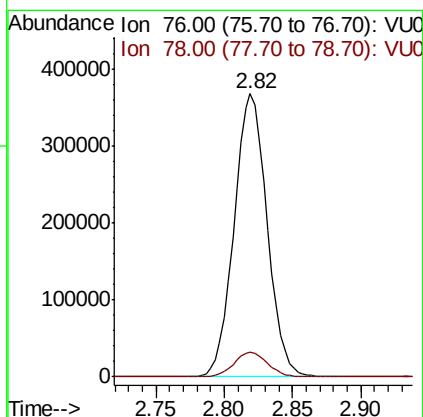
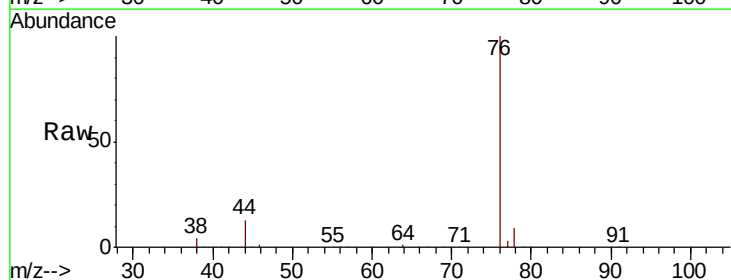
Acq: 09 Apr 2020 12:43

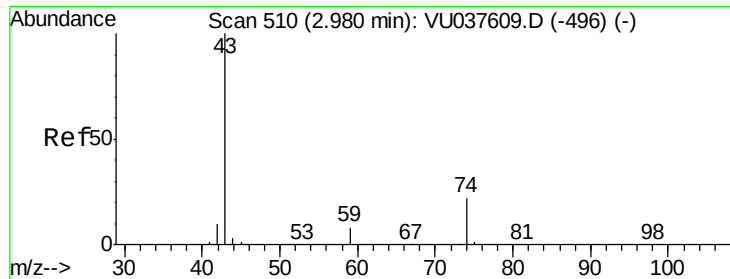
Tgt Ion: 76 Resp: 616585

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

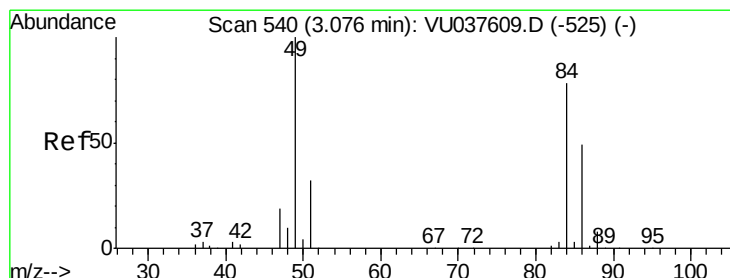
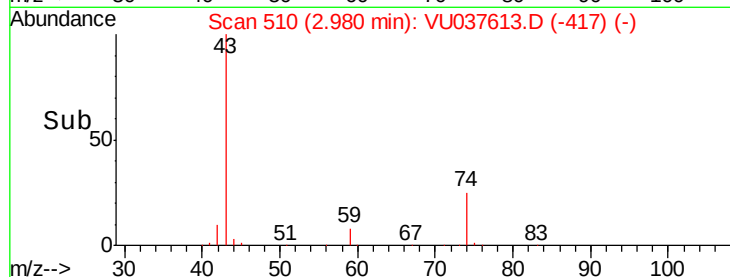
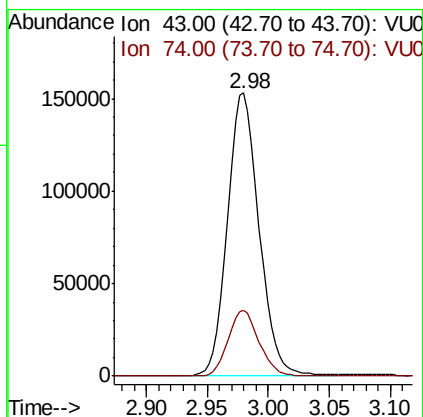
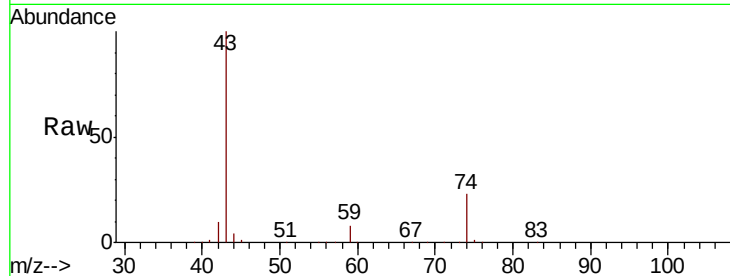




#15
Methvl Acetate
Concen: 47.472 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU037613.D
Acq: 09 Apr 2020 12:43

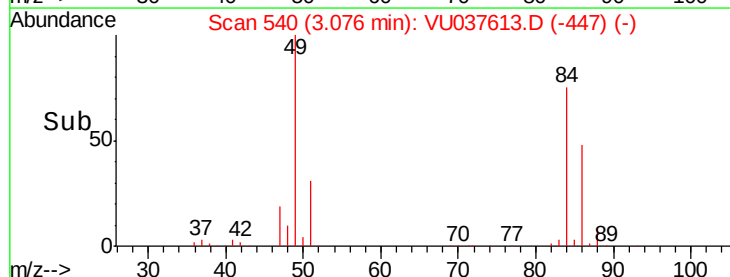
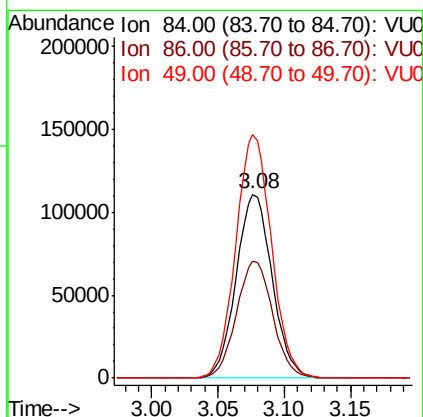
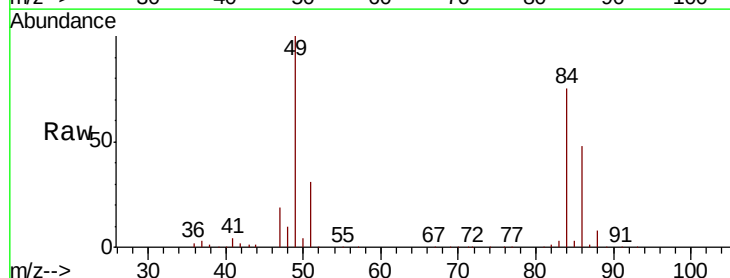
Instrument :
MSVOA_U
ClientSampleId :

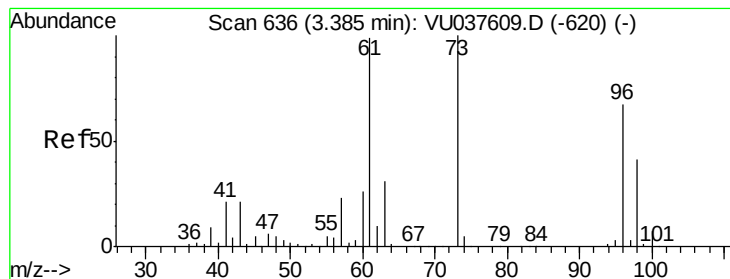
Tot Ion: 43 Resp: 274492
Ion Ratio Lower Upper
43 100
74 22.9 17.9 26.9



#16
Methylene chloride
Concen: 49.272 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037613.D
Acq: 09 Apr 2020 12:43

Tgt Ion: 84 Resp: 209164
Ion Ratio Lower Upper
84 100
86 64.0 44.1 81.9
49 132.7 90.3 167.7





#17

trans-1,2-Dichloroethene

Concen: 49.840 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Instrument :

MSVOA_U

ClientSampleId :

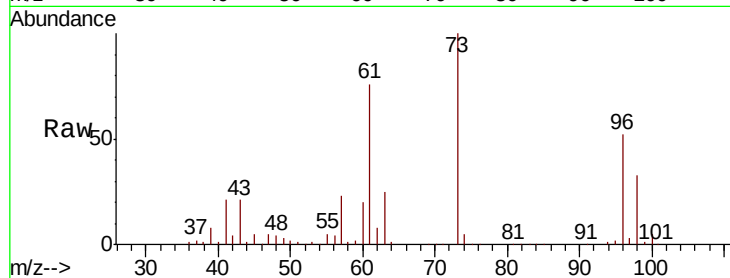
Tot Ion: 96 Resp: 198680

Ion Ratio Lower Upper

96 100

61 145.7 103.2 191.6

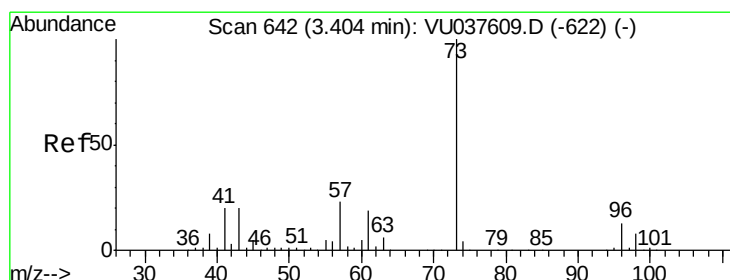
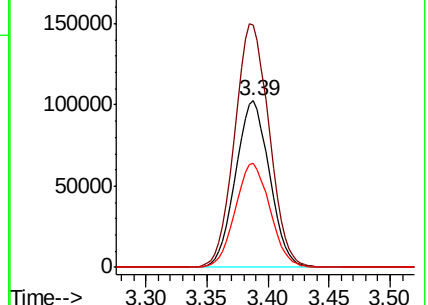
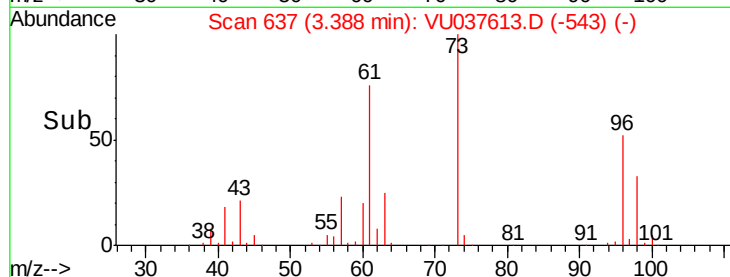
98 62.6 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU037613.D (-543) (-)

Ion 61.00 (60.70 to 61.70): VU037613.D (-543) (-)

Ion 98.00 (97.70 to 98.70): VU037613.D (-543) (-)



#18

Methyl tert-butyl Ether

Concen: 50.646 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

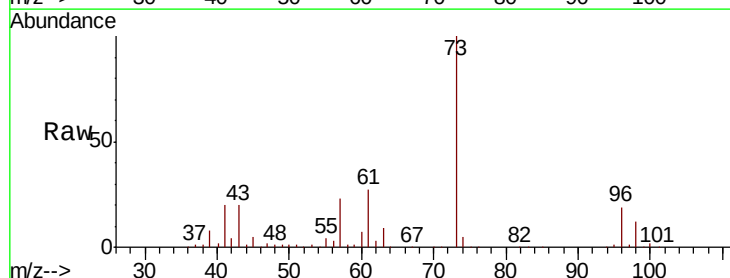
Tgt Ion: 73 Resp: 696943

Ion Ratio Lower Upper

73 100

43 20.3 16.3 24.5

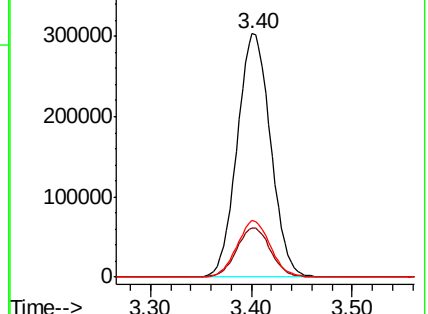
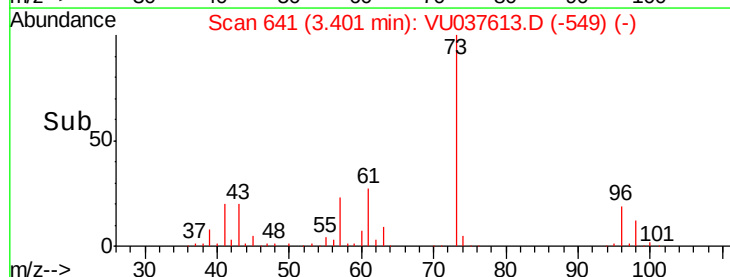
57 23.0 18.3 27.5

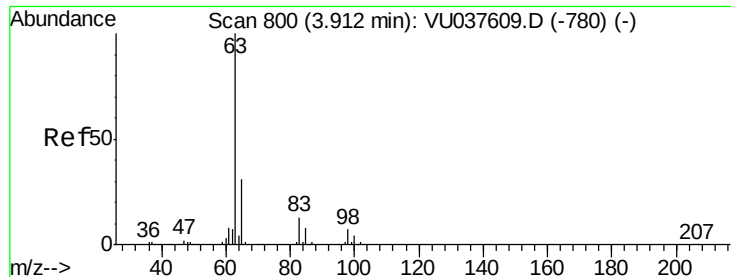


Abundance Ion 73.00 (72.70 to 73.70): VU037613.D (-549) (-)

Ion 43.00 (42.70 to 43.70): VU037613.D (-549) (-)

Ion 57.00 (56.70 to 57.70): VU037613.D (-549) (-)

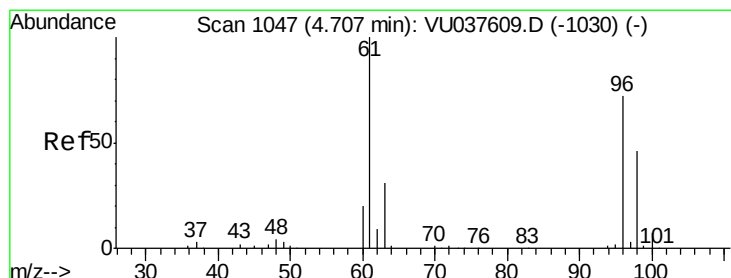
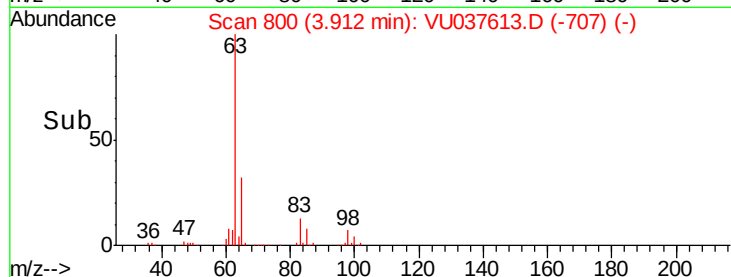
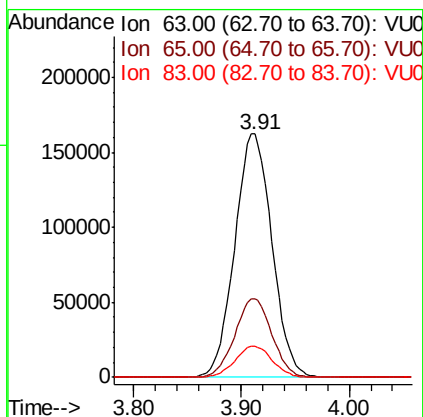
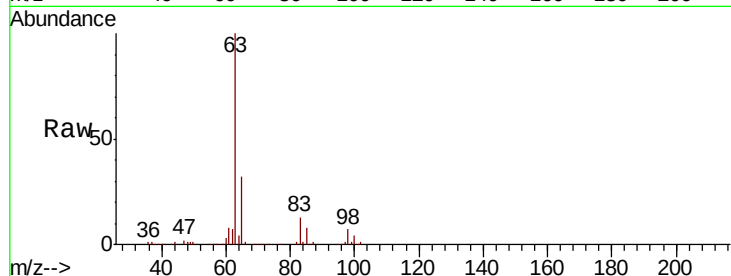




#19
 1,1-Dichloroethane
 Concen: 49.839 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU037613.D
 Acq: 09 Apr 2020 12:43

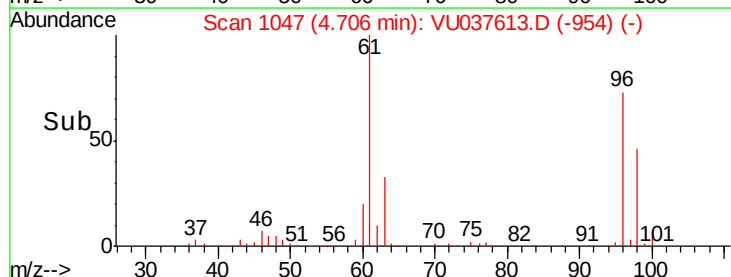
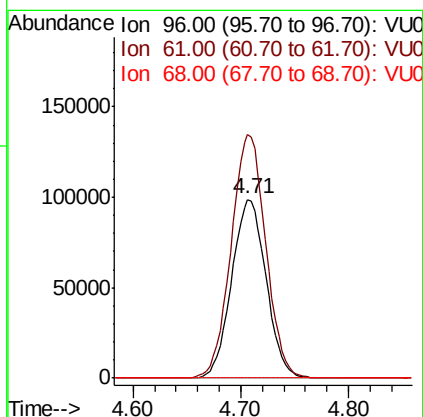
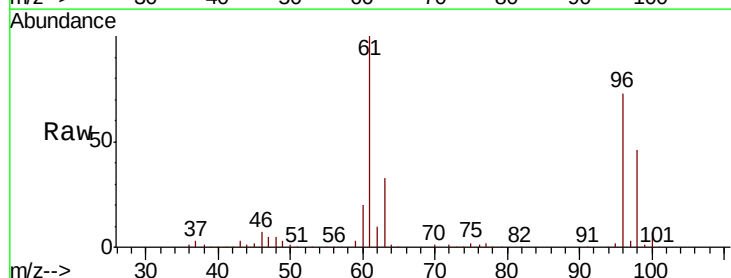
Instrument :
 MSVOA_U
 ClientSampleId :

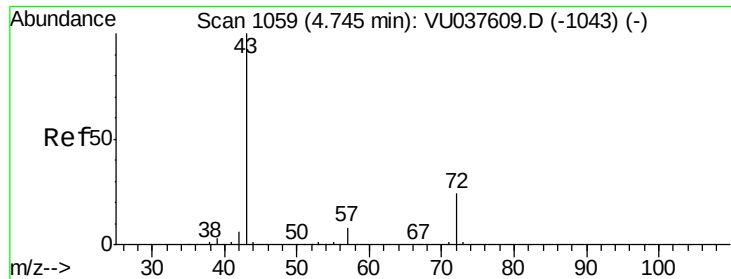
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	21.9	40.7
83	12.7	9.0	16.6



#20
 cis-1,2-Dichloroethene
 Concen: 49.953 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037613.D
 Acq: 09 Apr 2020 12:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.5	97.5	181.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 92.056 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Instrument :

MSVOA_U

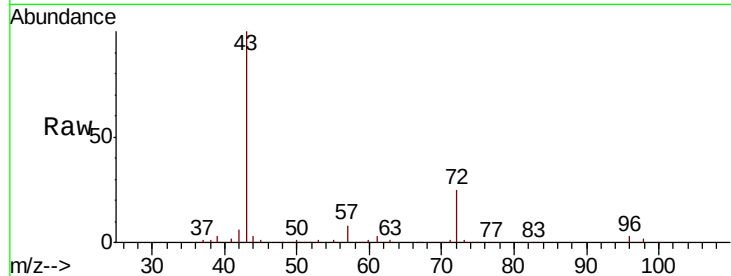
ClientSampleId :

Tot Ion: 43 Resp: 391775

Ion Ratio Lower Upper

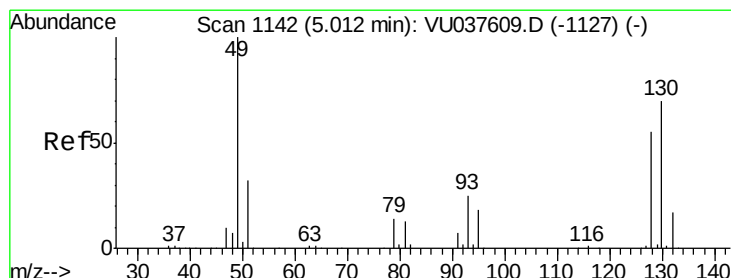
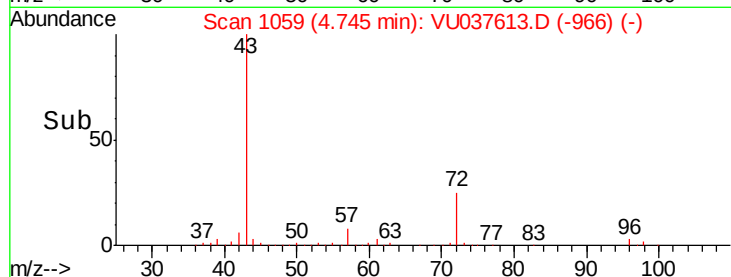
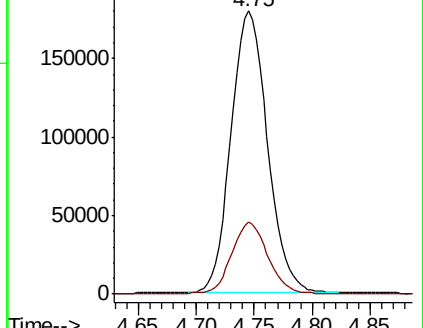
43 100

72 25.7 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VU037613.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU037613.D (-966) (-)



#23

Bromochloromethane

Concen: 49.801 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Tgt Ion: 128 Resp: 106383

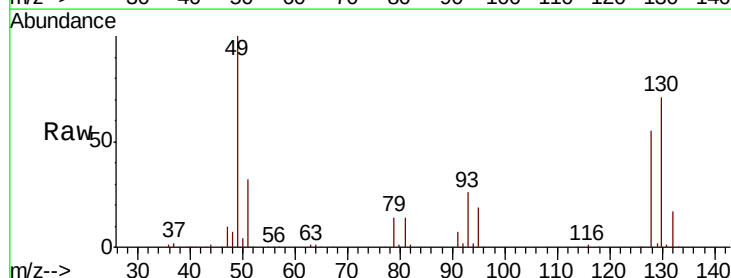
Ion Ratio Lower Upper

128 100

49 182.3 128.7 238.9

130 129.8 89.9 167.0

51 58.2 46.4 69.6

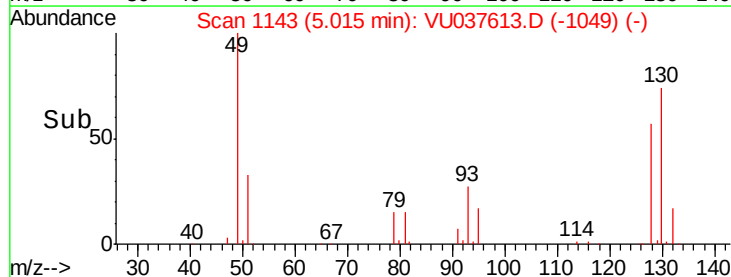
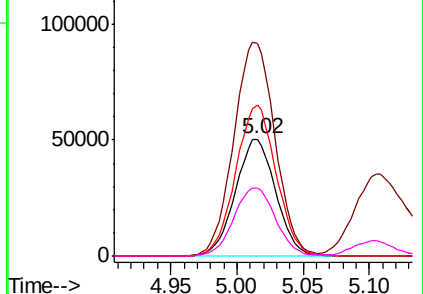


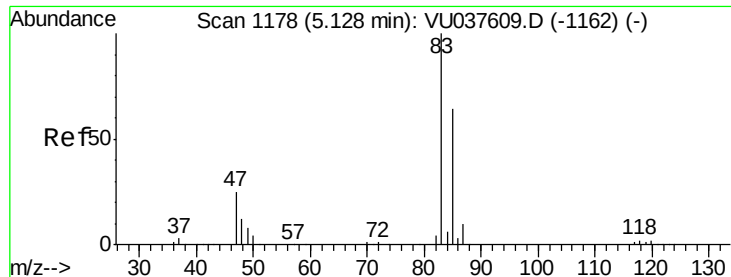
Abundance Ion 128.00 (127.70 to 128.70): VU037613.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU037613.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU037613.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU037613.D (-1049) (-)

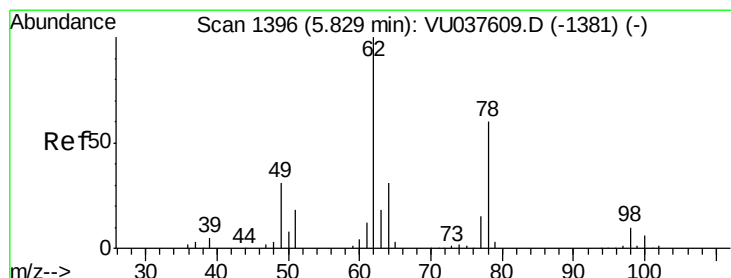
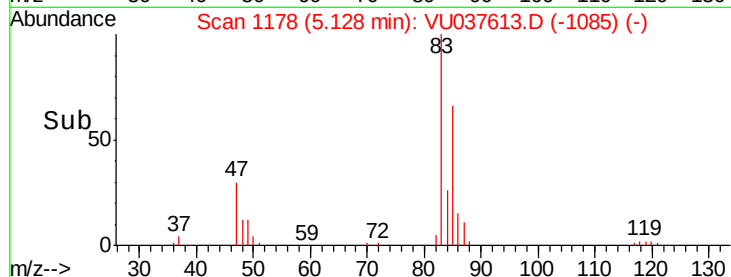
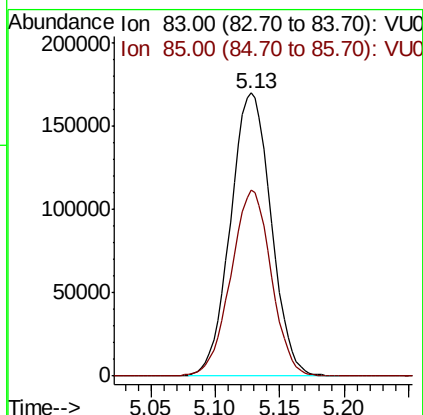
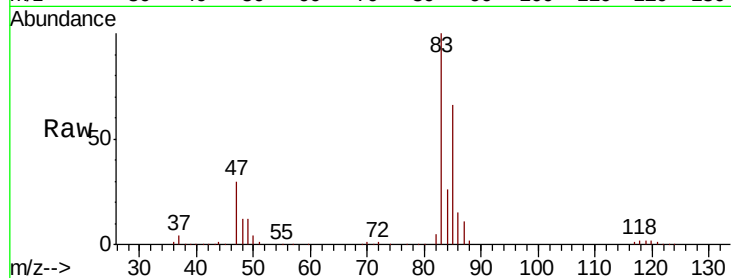




#25
Chloroform
Concen: 50.489 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037613.D
Acq: 09 Apr 2020 12:43

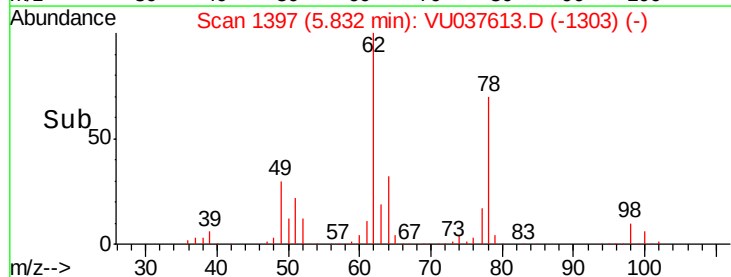
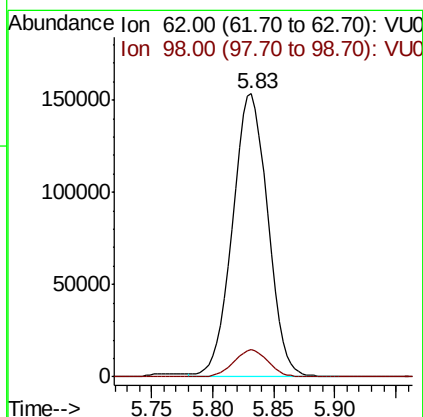
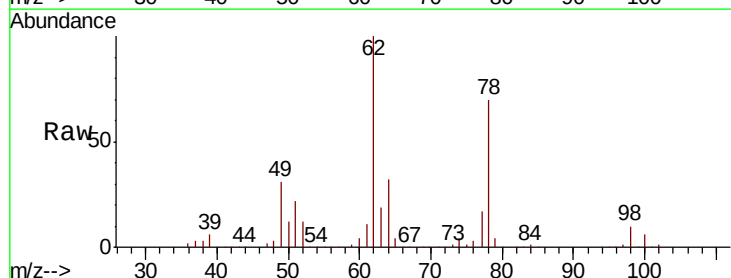
Instrument :
MSVOA_U
ClientSampleId :

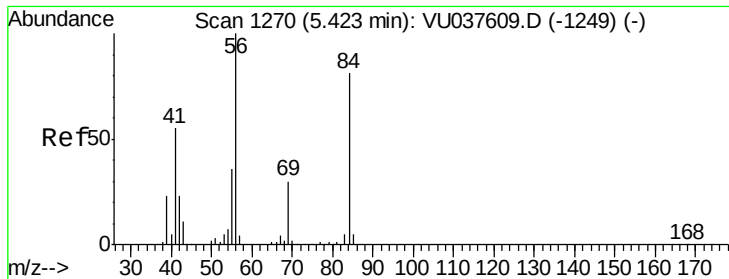
Tot Ion: 83 Resp: 371269
Ion Ratio Lower Upper
83 100
85 65.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 50.573 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037613.D
Acq: 09 Apr 2020 12:43

Tgt Ion: 62 Resp: 307594
Ion Ratio Lower Upper
62 100
98 9.5 7.8 11.6

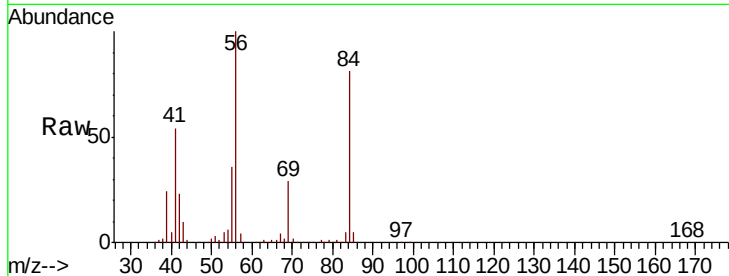




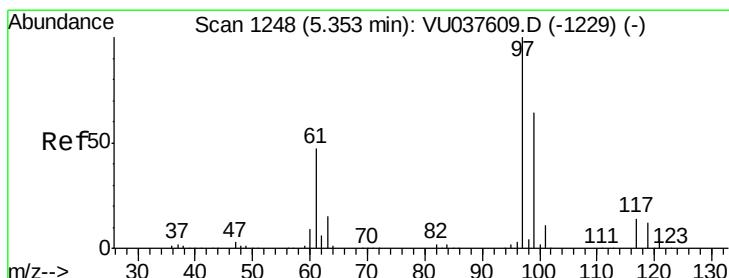
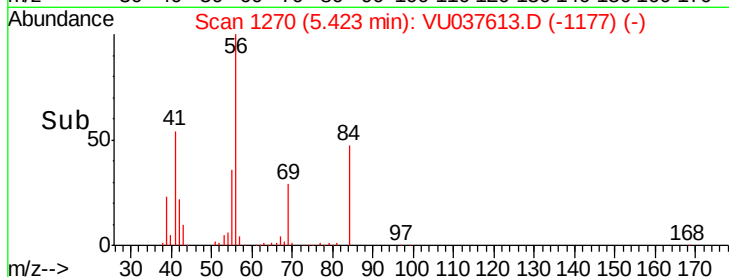
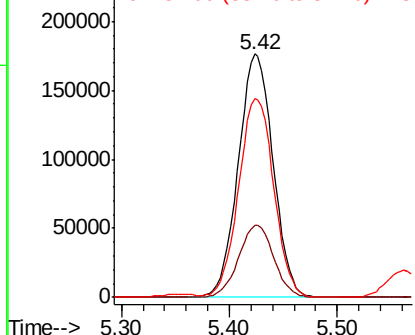
#29
Cyclohexane
Concen: 51.812 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037613.D
Acq: 09 Apr 2020 12:43

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 395299
Ion Ratio Lower Upper
56 100
69 30.0 24.0 36.0
84 83.0 66.3 99.5

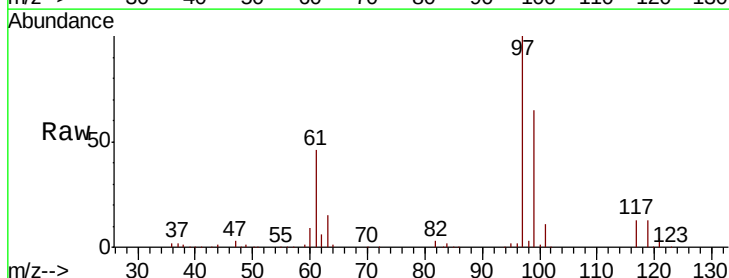


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

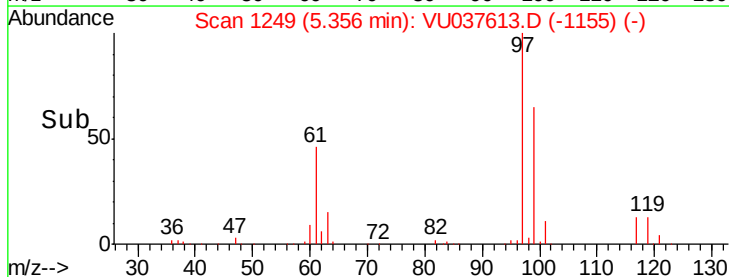
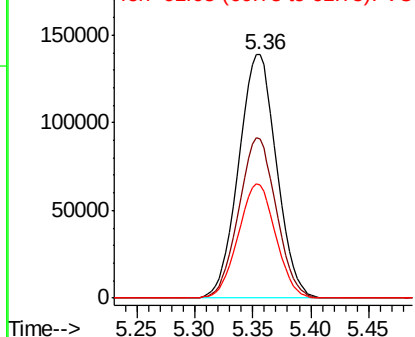


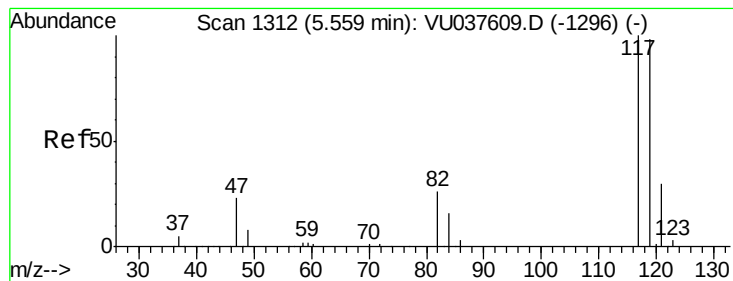
#30
1,1,1-Trichloroethane
Concen: 50.253 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037613.D
Acq: 09 Apr 2020 12:43

Tgt Ion: 97 Resp: 316018
Ion Ratio Lower Upper
97 100
99 65.1 51.9 77.9
61 46.2 37.1 55.7



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 50.505 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Instrument :

MSVOA_U

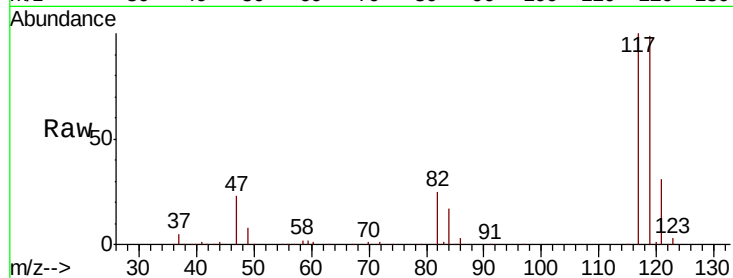
ClientSampleId :

Tot Ion:117 Resp: 257827

Ion Ratio Lower Upper

117 100

119 96.6 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.56

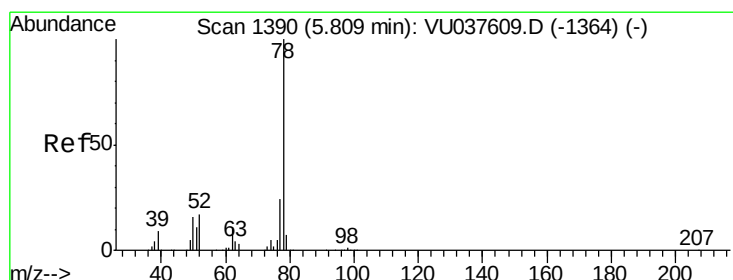
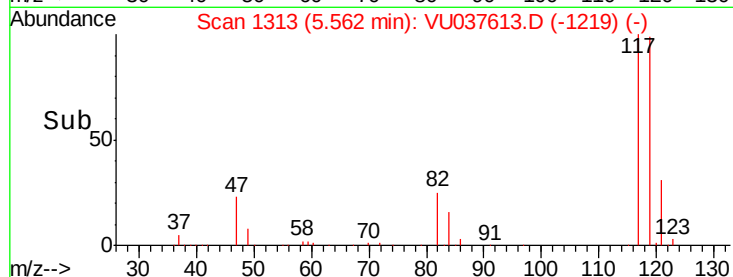
100000

50000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 51.021 ug/L

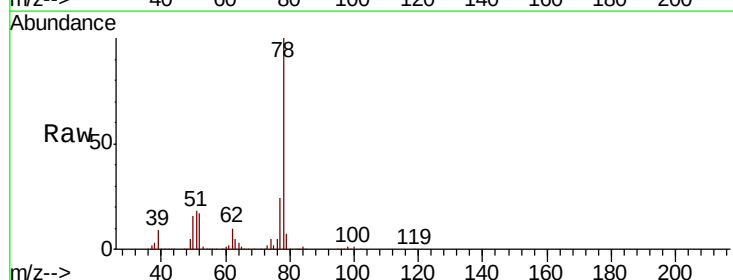
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Tgt Ion: 78 Resp: 861434



Abundance Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

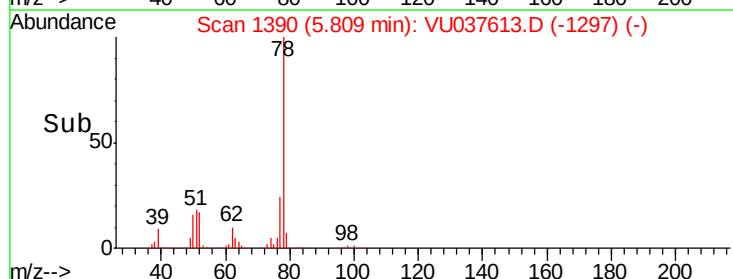
200000

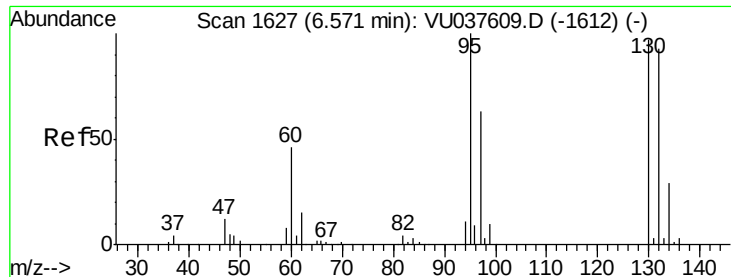
100000

0

Time-->

5.70 5.80 5.90

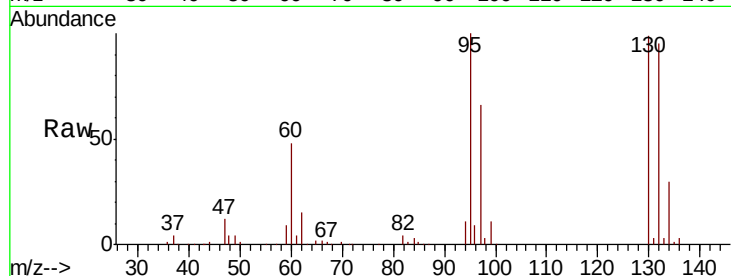




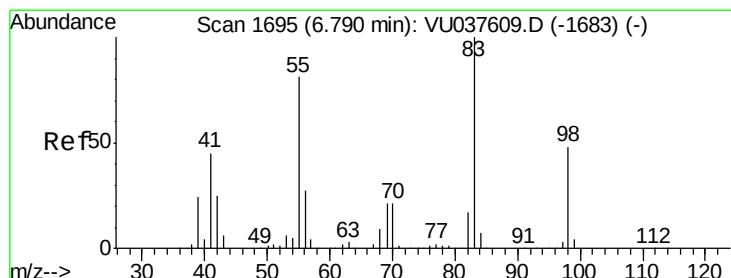
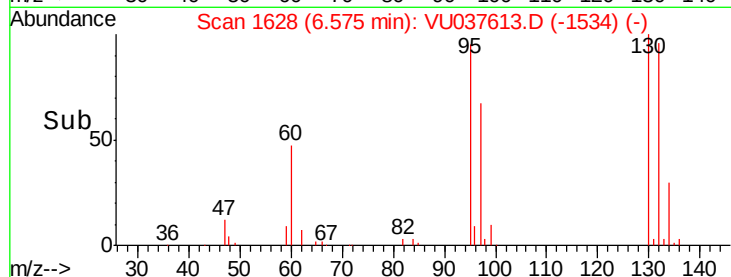
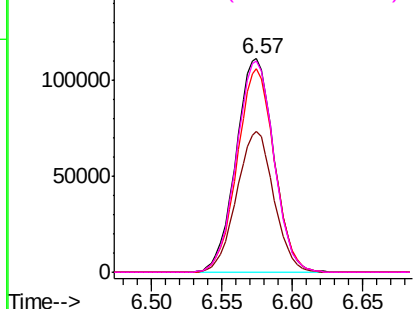
#34
 Trichloroethene
 Concen: 50.480 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037613.D
 Acq: 09 Apr 2020 12:43

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	209810
Ion	Ratio	Lower	Upper
95	100		
97	66.1	43.8	81.4
132	95.1	64.8	120.4
130	98.9	68.2	126.6

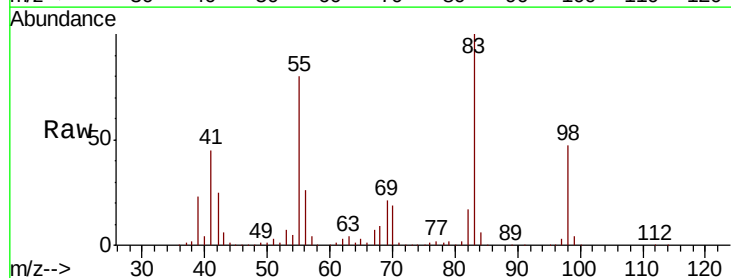


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

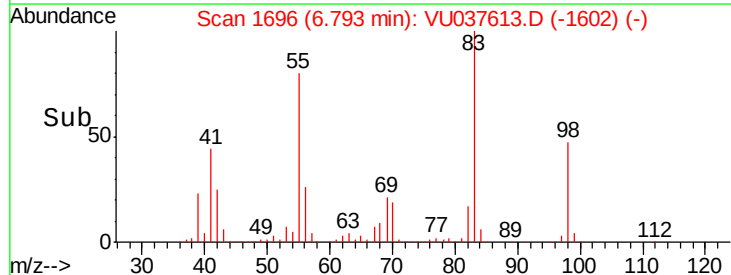
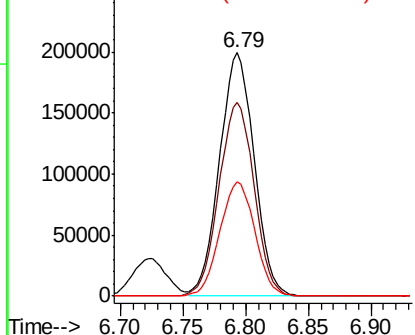


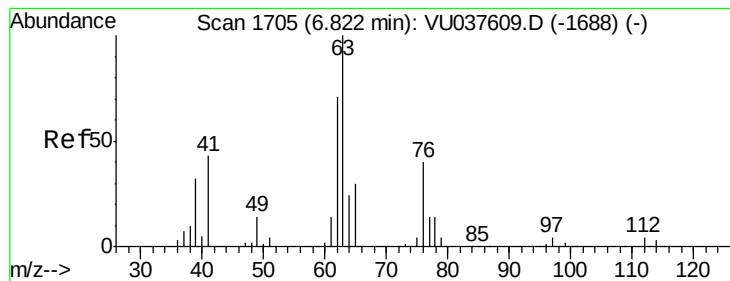
#35
 Methylcyclohexane
 Concen: 51.773 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037613.D
 Acq: 09 Apr 2020 12:43

Tgt Ion:	83	Resp:	381806
Ion	Ratio	Lower	Upper
83	100		
55	80.2	64.6	96.8
98	47.5	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: 49.866 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Instrument :

MSVOA_U

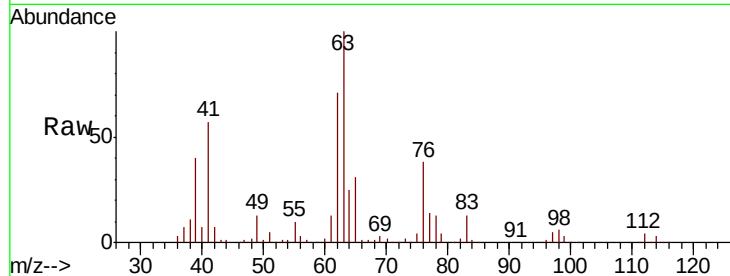
ClientSampled :

Tot Ion: 63 Resp: 231345

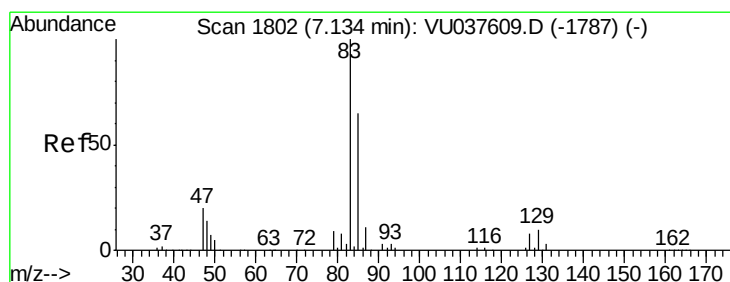
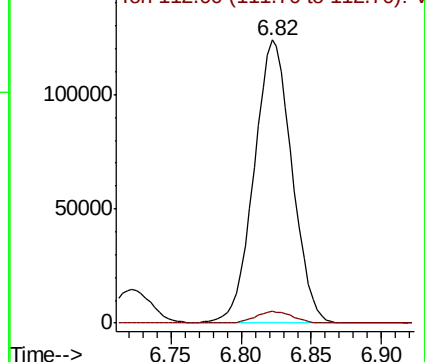
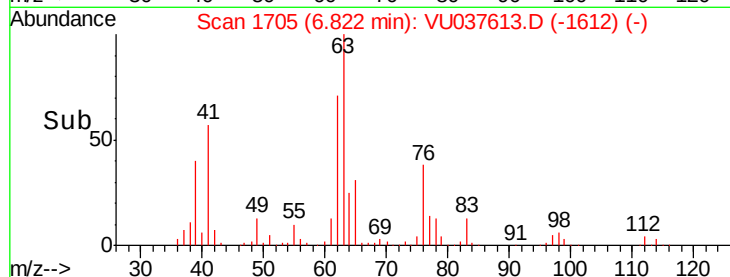
Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VU037613.D (-1612) (-)



#38

Bromodichloromethane

Concen: 50.732 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

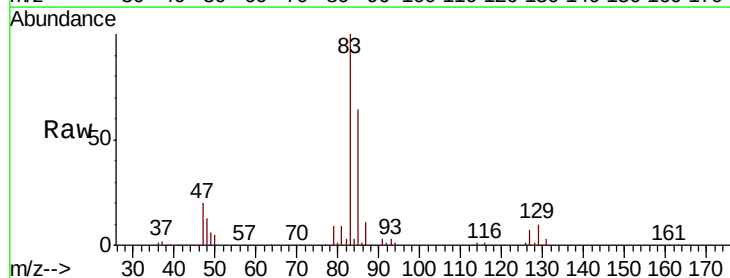
Tgt Ion: 83 Resp: 289734

Ion Ratio Lower Upper

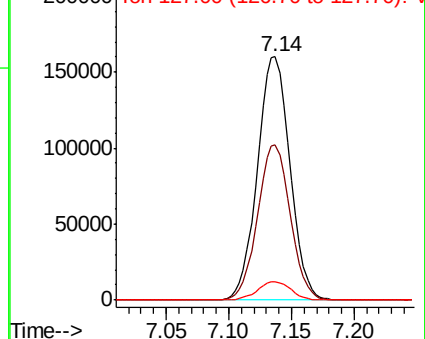
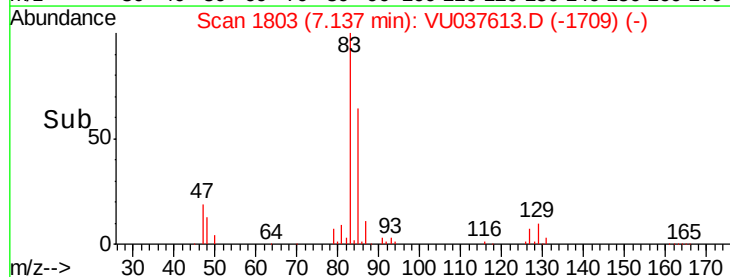
83 100

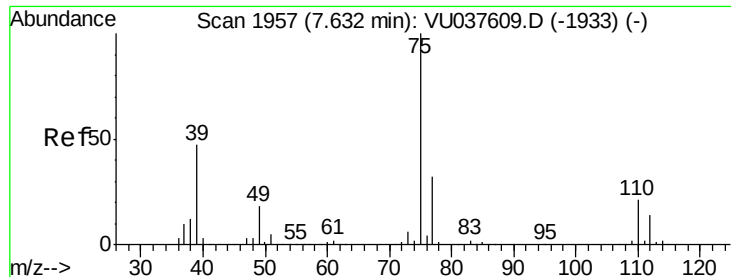
85 63.9 45.1 83.7

127 7.4 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VU037613.D (-1709) (-)

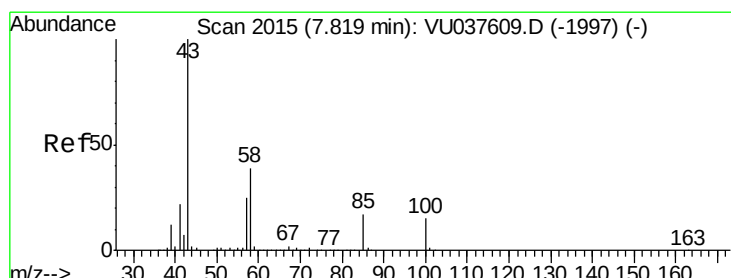
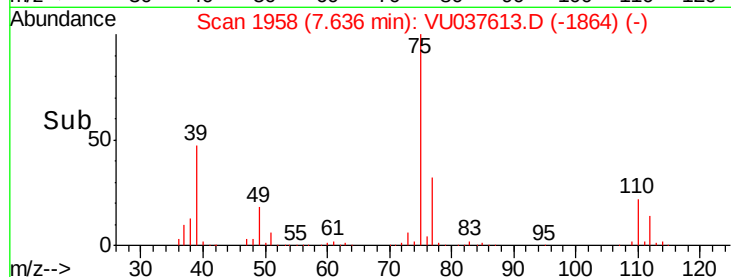
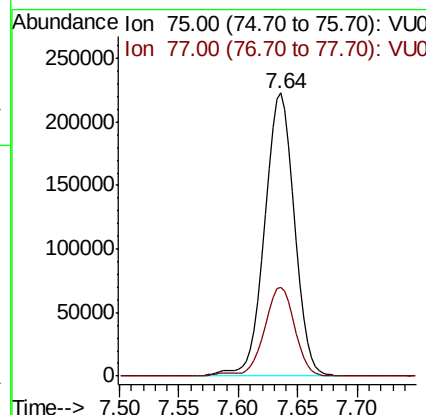
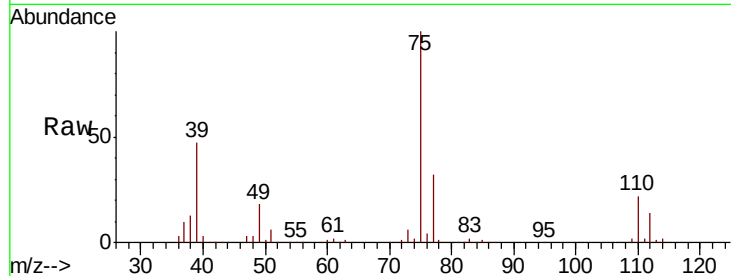




#39
 cis-1,3-Dichloropropene
 Concen: 51.017 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037613.D
 Acq: 09 Apr 2020 12:43

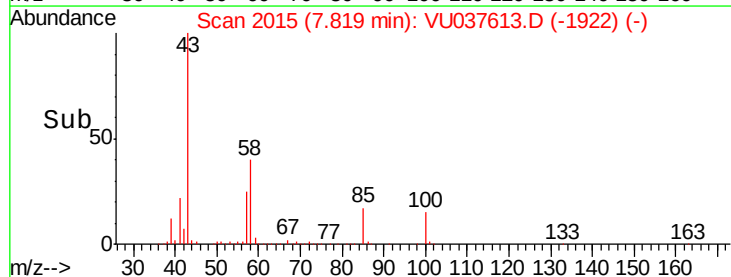
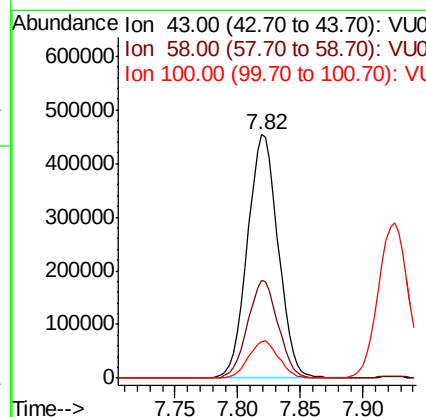
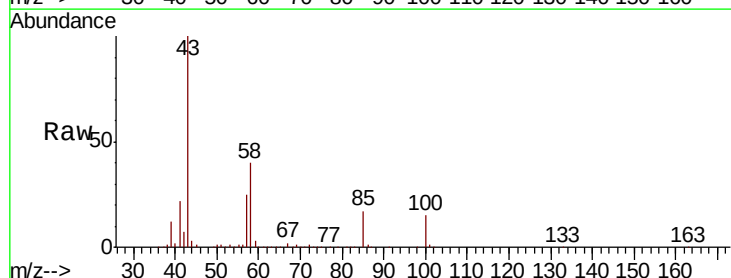
Instrument :
 MSVOA_U
 ClientSampleId :

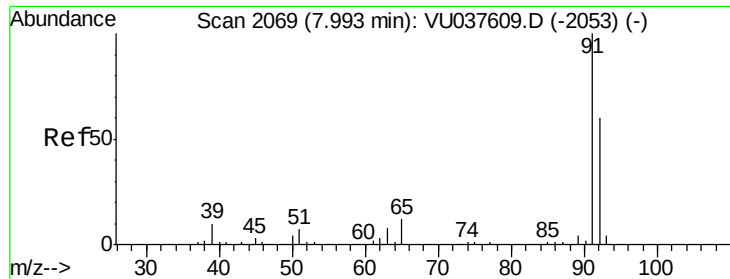
Tot Ion: 75 Resp: 387397
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 93.946 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037613.D
 Acq: 09 Apr 2020 12:43

Tgt Ion: 43 Resp: 774056
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.5 47.3
 100 15.1 12.0 18.0





#42

Toluene

Concen: 50.875 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Instrument :

MSVOA_U

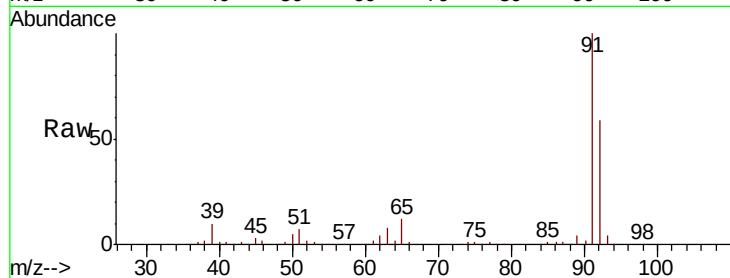
ClientSampled :

Tot Ion: 91 Resp: 912472

Ion Ratio Lower Upper

91 100

92 59.3 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VU037613.D (-1976) (-)

Ion 92.00 (91.70 to 92.70): VU037613.D (-1976) (-)

8.00

600000

500000

400000

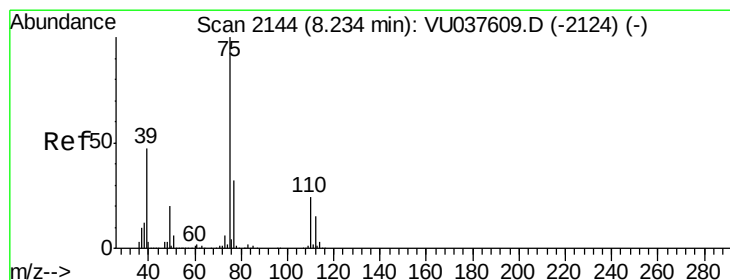
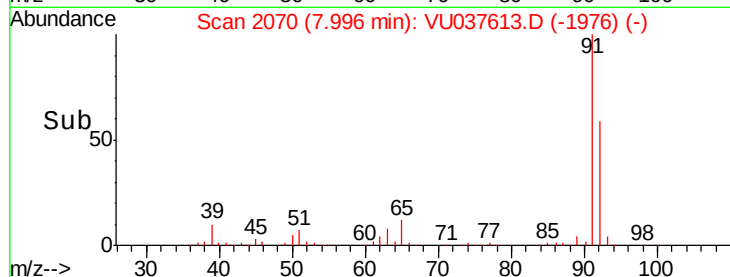
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.388 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037613.D

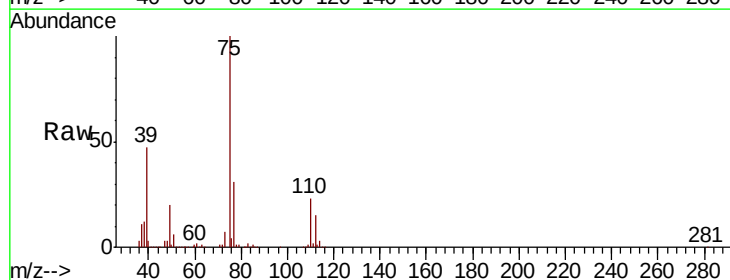
Acq: 09 Apr 2020 12:43

Tgt Ion: 75 Resp: 370887

Ion Ratio Lower Upper

75 100

77 31.1 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU037613.D (-2051) (-)

Ion 77.00 (76.70 to 77.70): VU037613.D (-2051) (-)

8.24

250000

200000

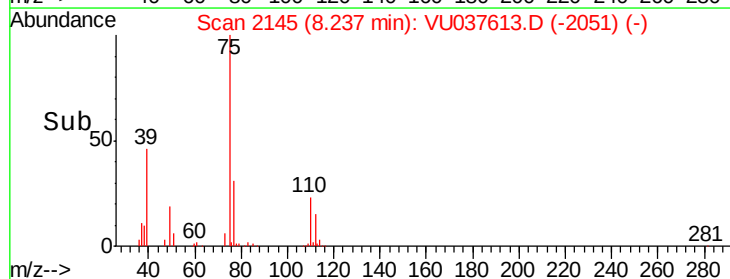
150000

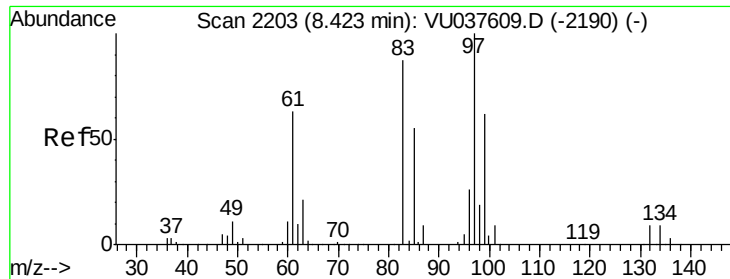
100000

50000

0

Time-->

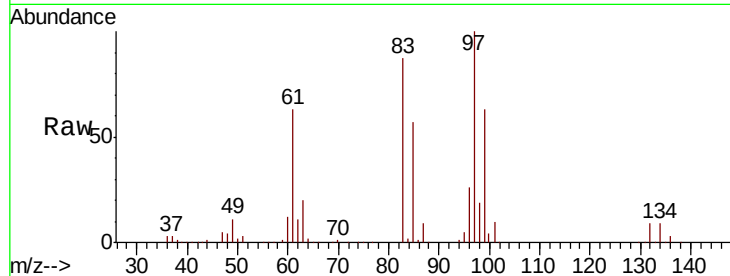




#45
 1,1,2-Trichloroethane
 Concen: 50.159 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037613.D
 Acq: 09 Apr 2020 12:43

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97.00	Resp:	207633
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.6	81.0
83	87.4	61.2	113.8
85	57.0	38.4	71.4



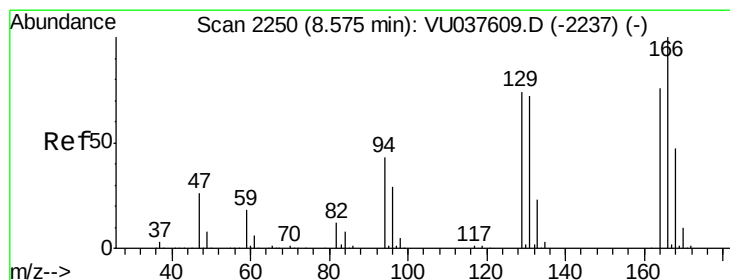
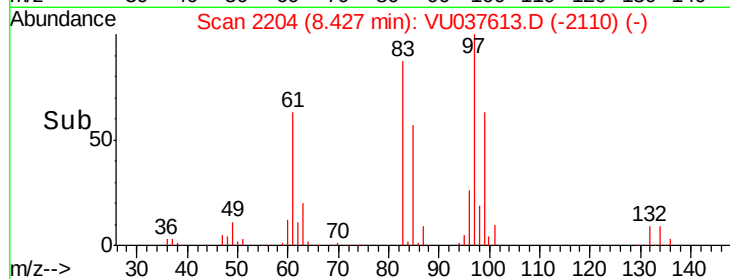
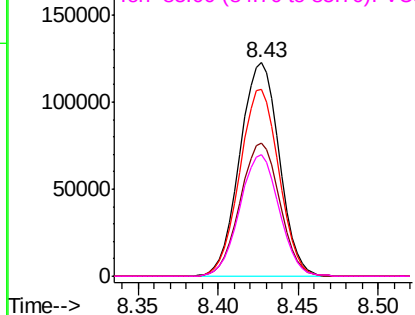
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

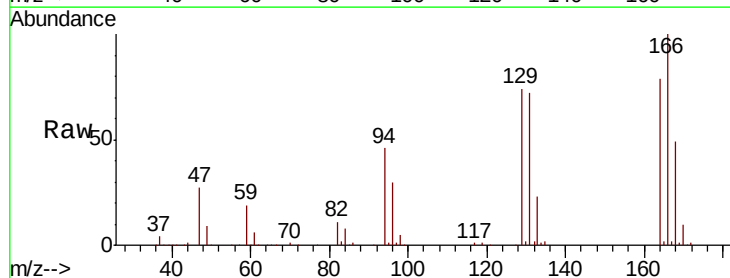
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 50.669 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037613.D
 Acq: 09 Apr 2020 12:43

Tgt Ion:	164	Resp:	156689
Ion	Ratio	Lower	Upper
164	100		
129	94.6	68.0	126.2
131	91.1	65.8	122.2
166	127.2	92.0	170.9



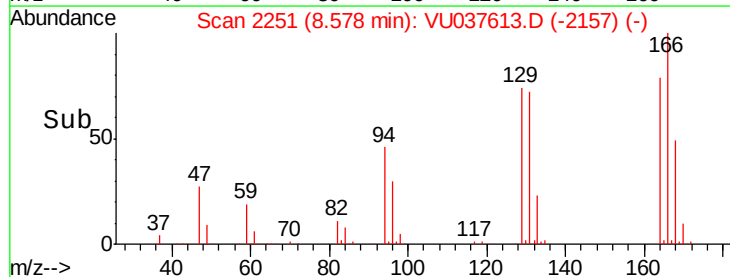
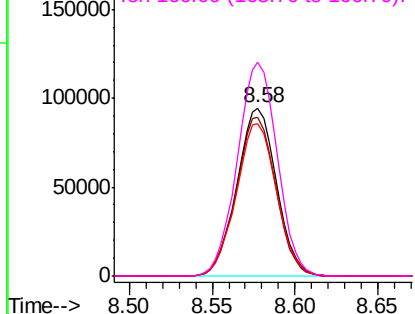
Abundance

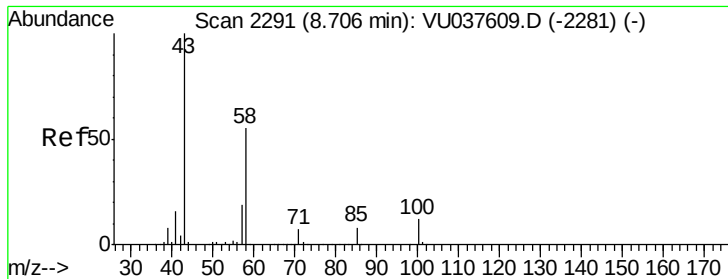
Ion 164.00 (163.70 to 164.70): V

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

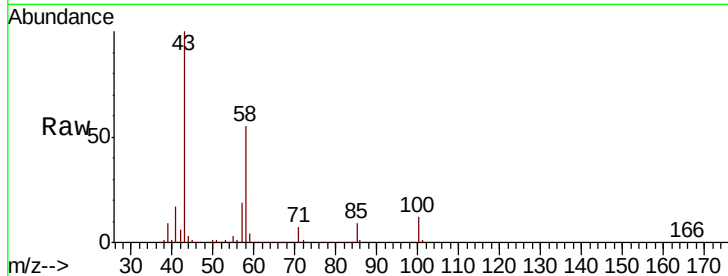




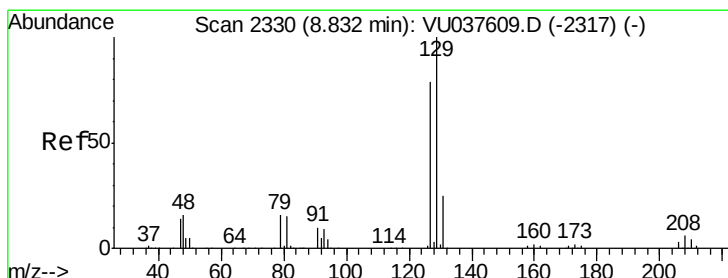
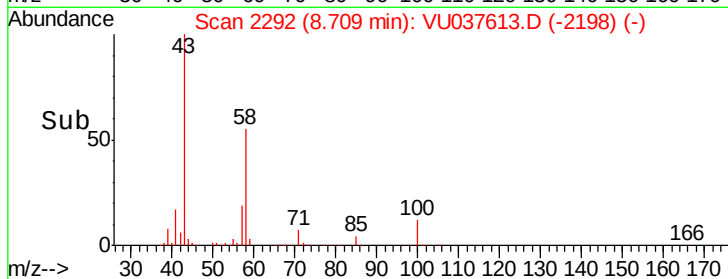
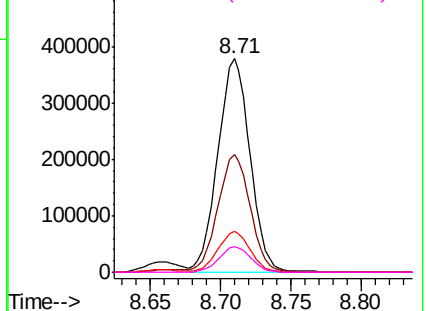
#48
2-Hexanone
Concen: 92.047 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037613.D
Acq: 09 Apr 2020 12:43

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	598849
Ion	Ratio	Lower	Upper
43	100		
58	55.5	44.0	66.0
57	18.8	15.2	22.8
100	12.0	9.4	14.0

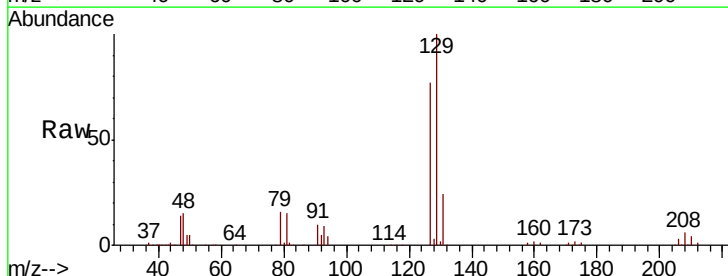


Abundance Ion 43.00 (42.70 to 43.70): VU037613.D (-2292) (-)
Ion 58.00 (57.70 to 58.70): VU037613.D (-2292) (-)
Ion 57.00 (56.70 to 57.70): VU037613.D (-2292) (-)
Ion 100.00 (99.70 to 100.70): VU037613.D (-2292) (-)

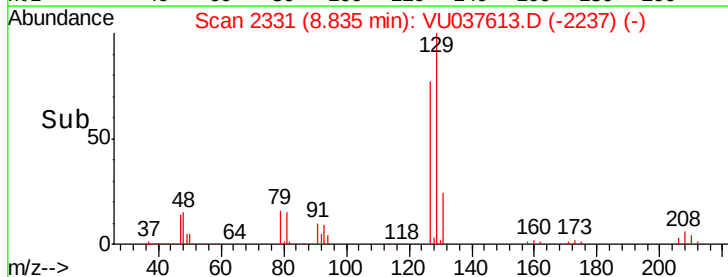
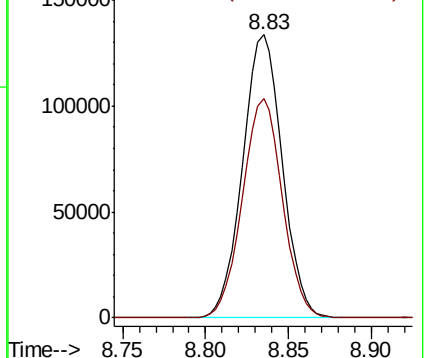


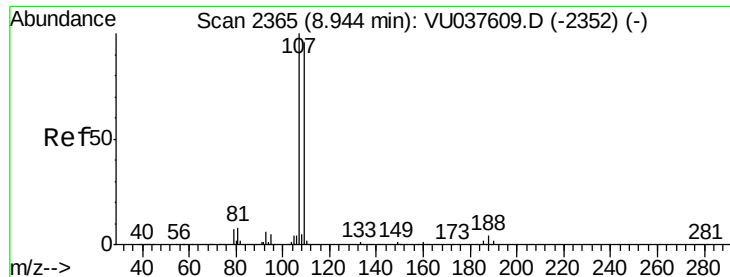
#49
Dibromochloromethane
Concen: 50.110 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037613.D
Acq: 09 Apr 2020 12:43

Tgt Ion:	129	Resp:	222434
Ion	Ratio	Lower	Upper
129	100		
127	77.4	55.2	102.6



Abundance Ion 129.00 (128.70 to 129.70): VU037613.D (-2331) (-)
Ion 127.00 (126.70 to 127.70): VU037613.D (-2331) (-)





#50

1,2-Dibromoethane

Concen: 50.185 ug/L

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Instrument :
MSVOA_U
ClientSampleId :

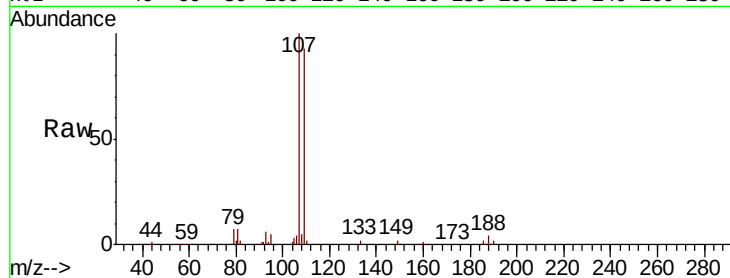
Tot Ion:107 Resp: 224768

Ion Ratio Lower Upper

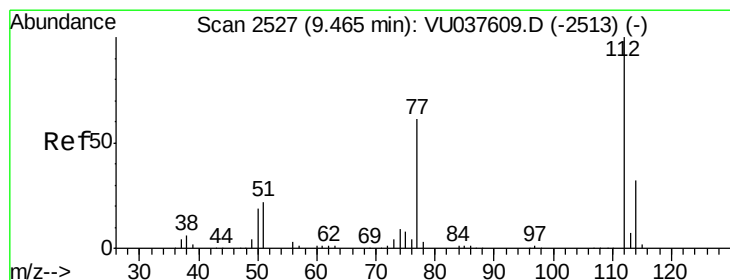
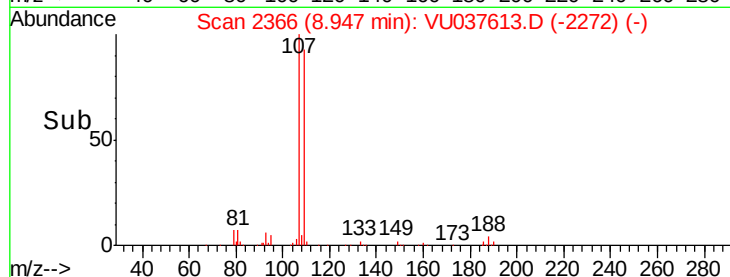
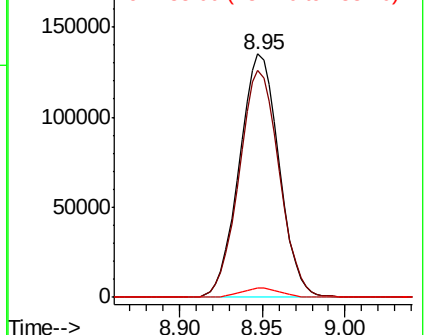
107 100

109 93.2 67.3 125.1

188 3.6 2.9 4.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 50.675 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

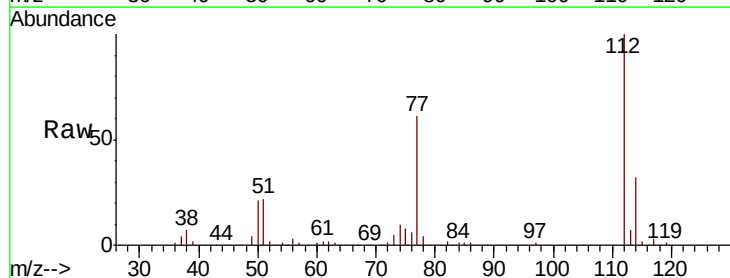
Tgt Ion:112 Resp: 567605

Ion Ratio Lower Upper

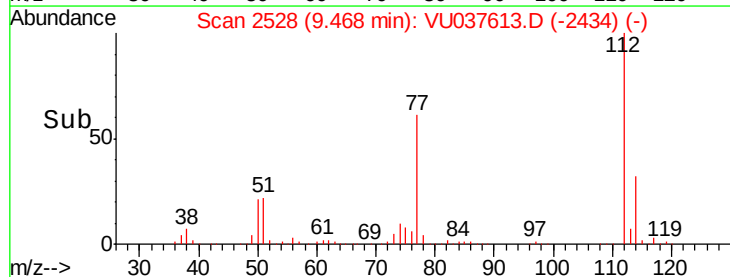
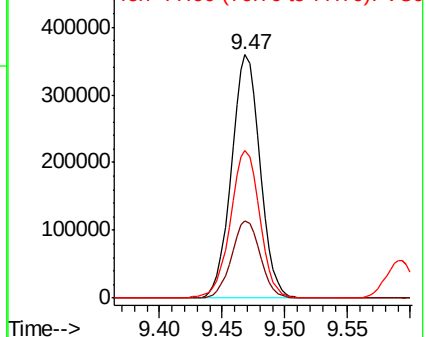
112 100

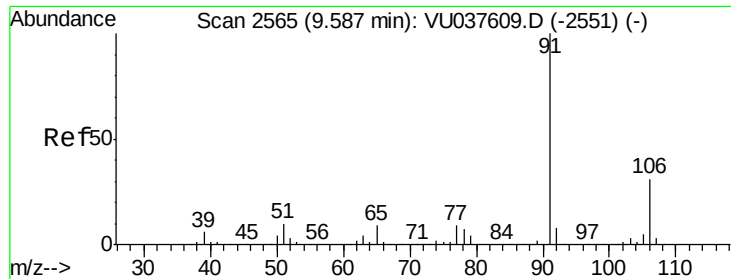
114 32.0 22.4 41.6

77 60.7 49.2 73.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

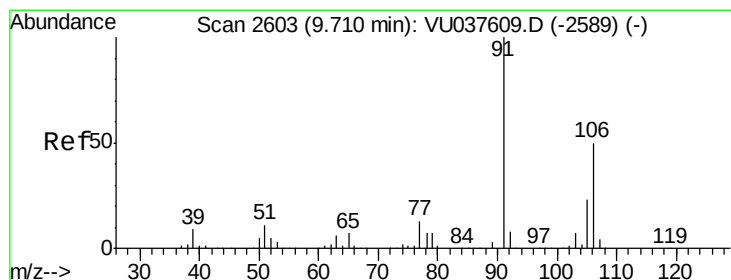
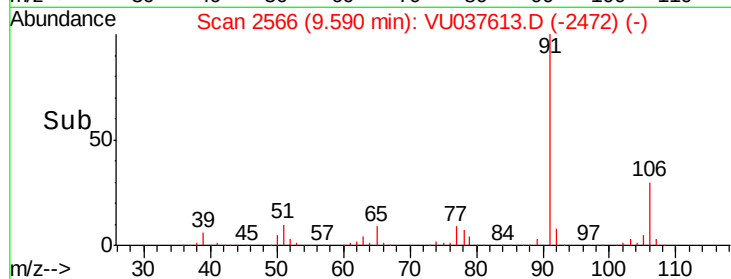
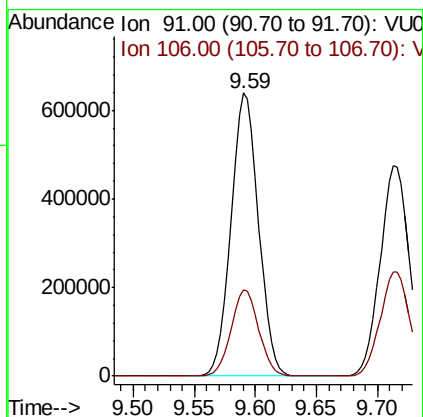
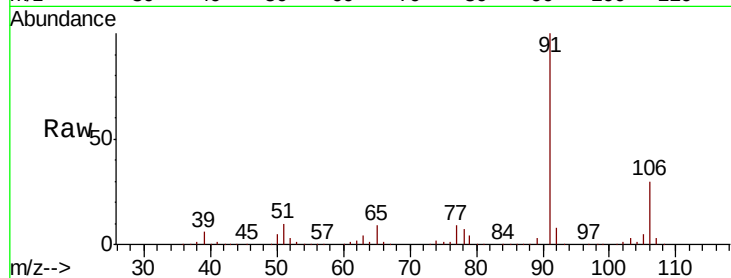




#52
Ethylbenzene
Concen: 49.931 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037613.D
Acq: 09 Apr 2020 12:43

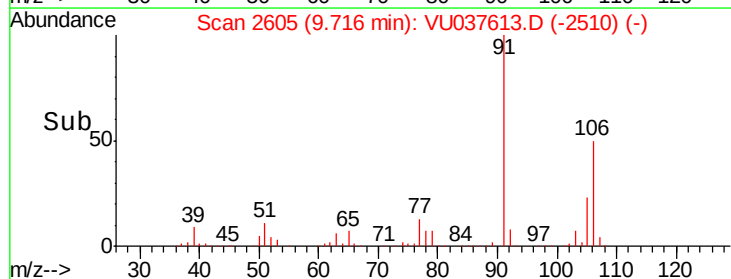
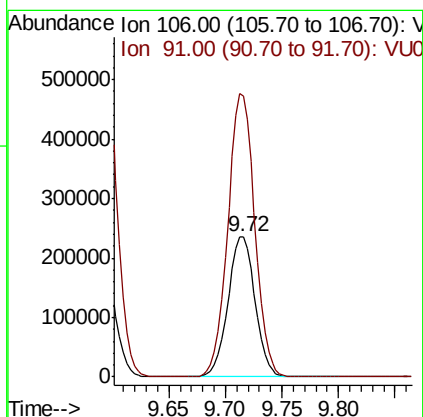
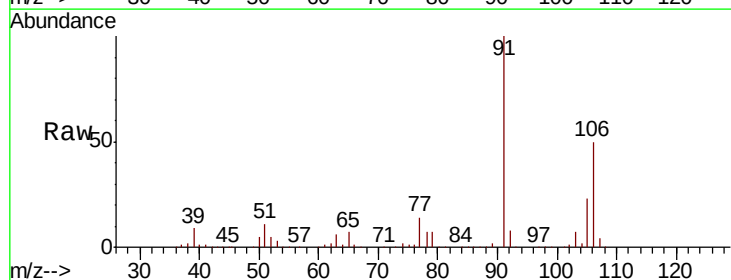
Instrument :
MSVOA_U
ClientSampleId :

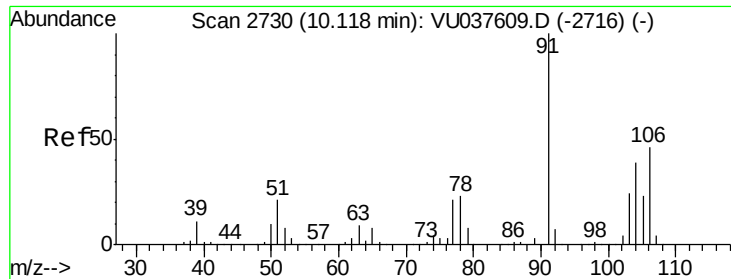
Tot Ion: 91 Resp: 1004049
Ion Ratio Lower Upper
91 100
106 30.4 21.6 40.0



#53
m,p-Xylene
Concen: 51.452 ug/L
RT: 9.72 min Scan# 2605
Delta R.T. 0.01 min
Lab File: VU037613.D
Acq: 09 Apr 2020 12:43

Tgt Ion: 106 Resp: 392861
Ion Ratio Lower Upper
106 100
91 200.7 140.8 261.6





#54

o-xylene

Concen: 51.004 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Instrument :

MSVOA_U

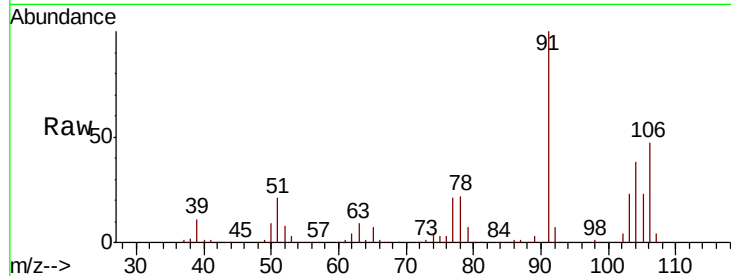
ClientSampled :

Tot Ion:106 Resp: 386237

Ion Ratio Lower Upper

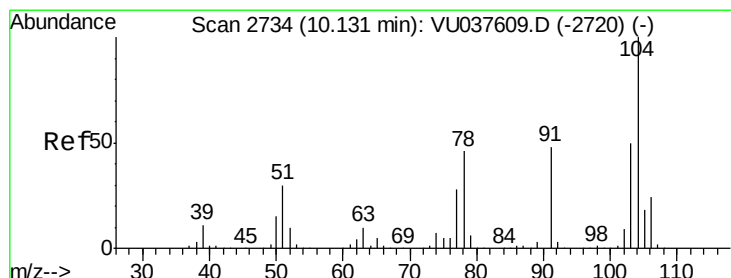
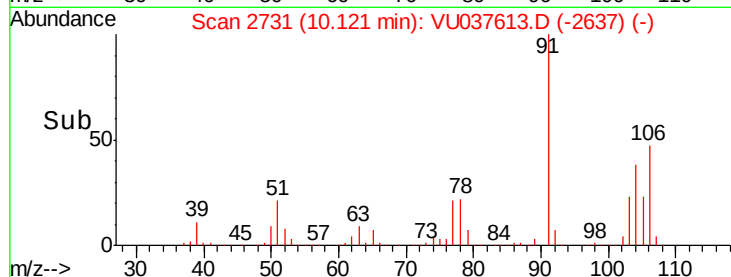
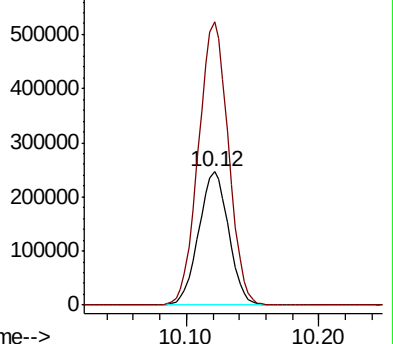
106 100

91 212.5 151.1 280.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.208 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU037613.D

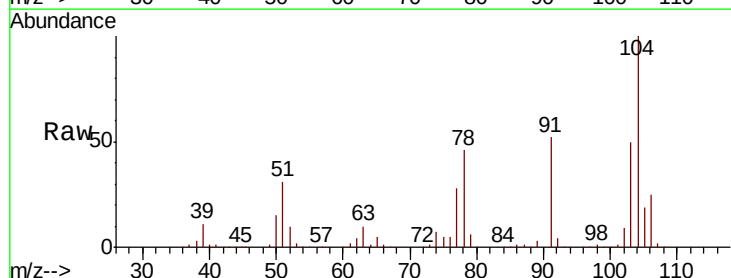
Acq: 09 Apr 2020 12:43

Tgt Ion:104 Resp: 672358

Ion Ratio Lower Upper

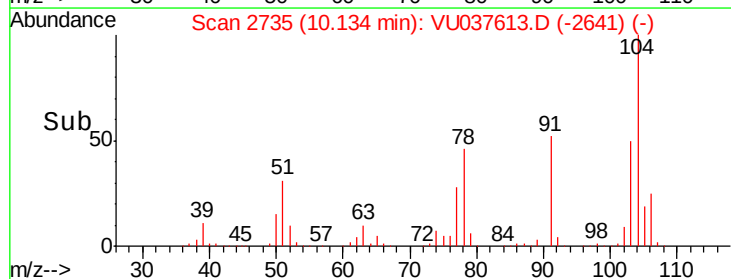
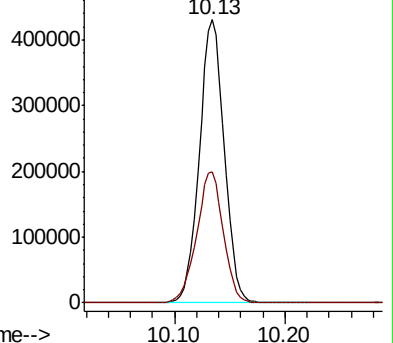
104 100

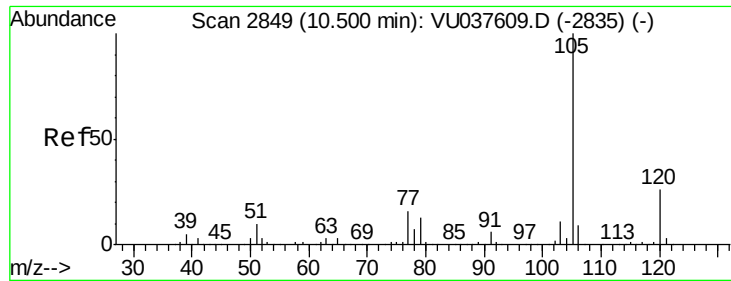
78 46.2 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.407 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Instrument :

MSVOA_U

ClientSampleId :

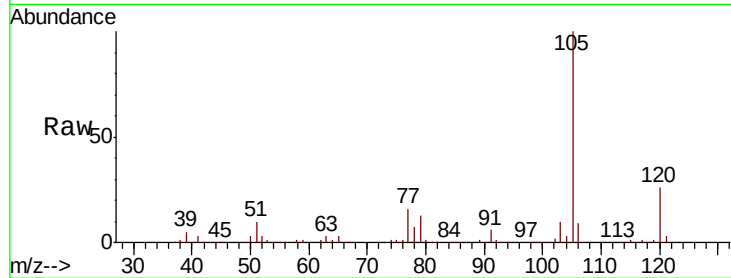
Tot Ion:105 Resp: 993904

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

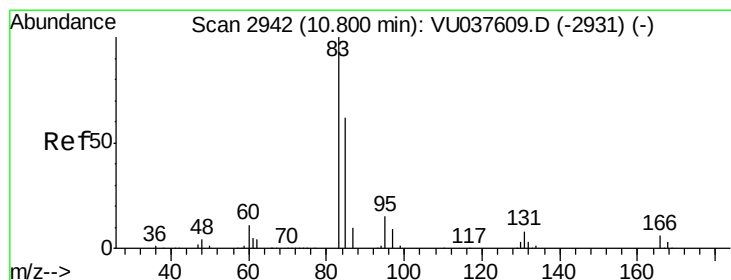
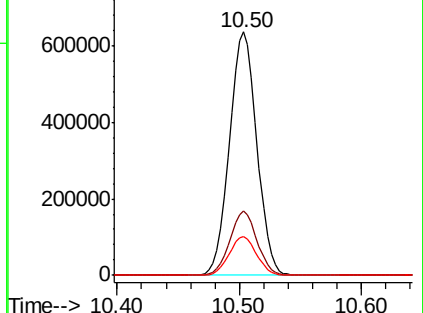
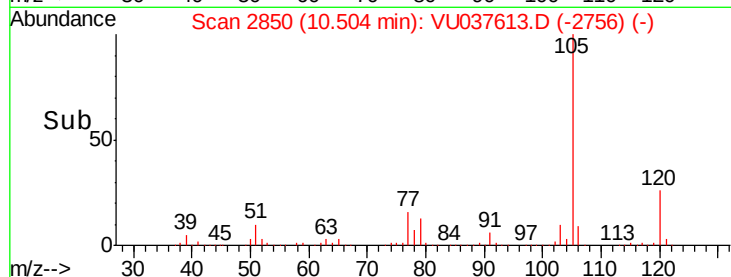
77 16.0 12.7 19.1



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: 48.755 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

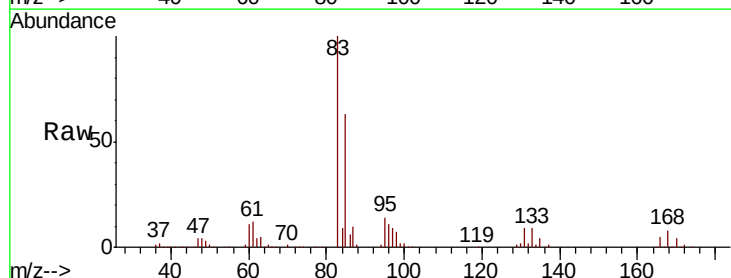
Tgt Ion: 83 Resp: 360375

Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.2

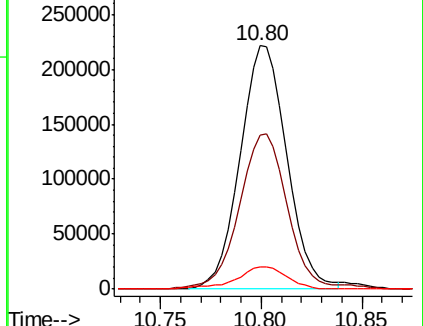
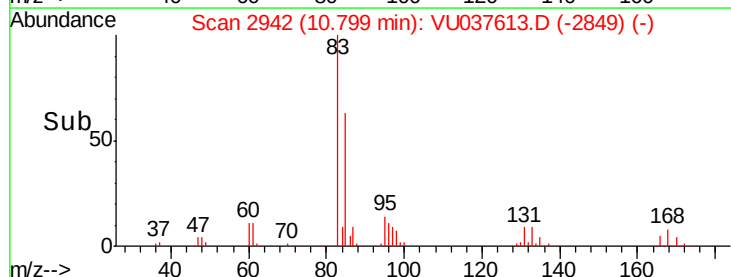
131 9.2 7.6 11.4

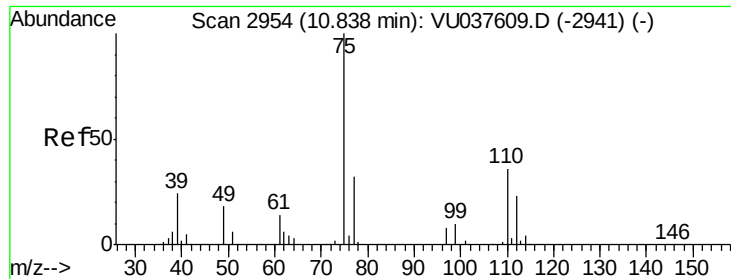


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.890 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Instrument :

MSVOA_U

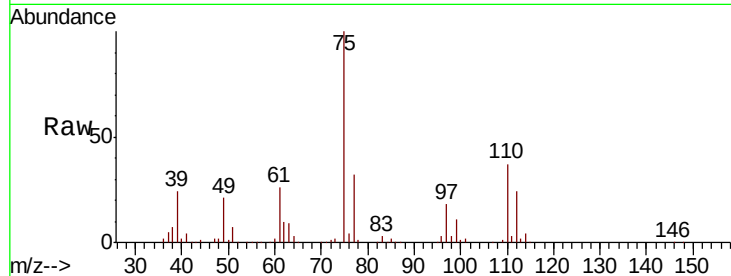
ClientSampleId :

Tot Ion: 75 Resp: 301829

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU037609.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU037609.D (-2941) (-)

10.84

200000

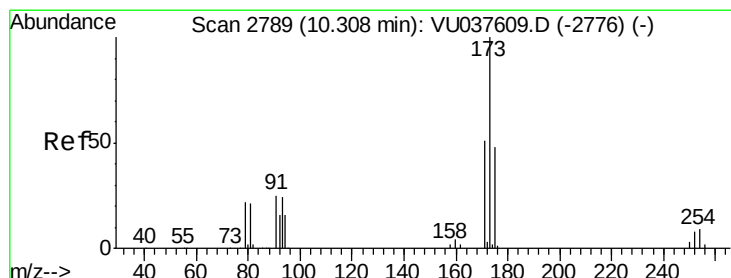
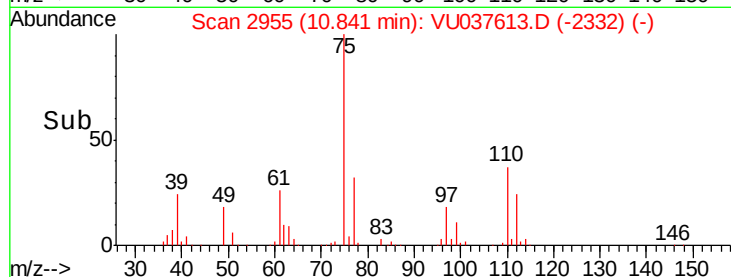
150000

100000

50000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 48.569 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

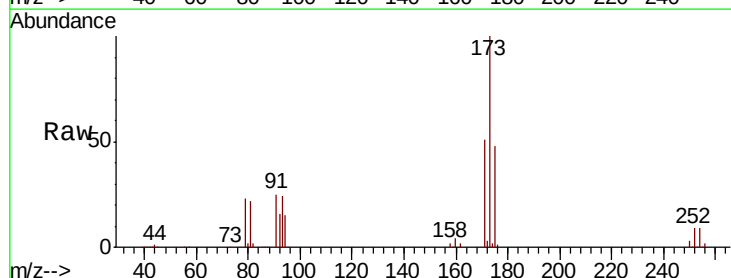
Tgt Ion:173 Resp: 173011

Ion Ratio Lower Upper

173 100

175 48.1 38.7 58.1

254 8.7 7.0 10.6



Abundance Ion 173.00 (172.70 to 173.70): VU037609.D (-2776) (-)

Ion 175.00 (174.70 to 175.70): VU037609.D (-2776) (-)

Ion 254.00 (253.70 to 254.70): VU037609.D (-2776) (-)

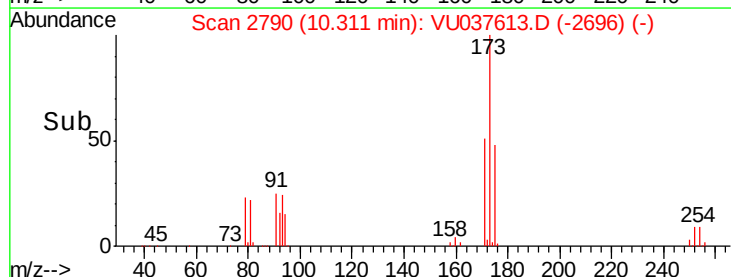
10.31

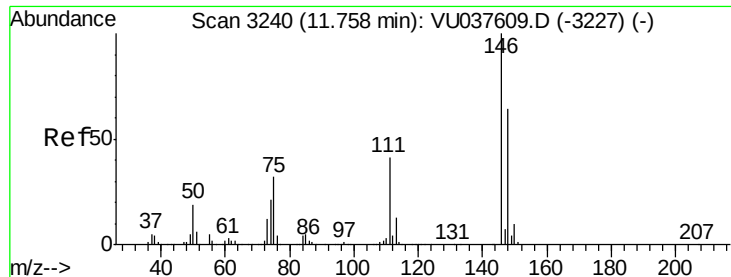
100000

50000

0

Time--> 10.25 10.30 10.35 10.40





#62

1,3-Dichlorobenzene

Concen: 49.144 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Instrument :

MSVOA_U

ClientSampled :

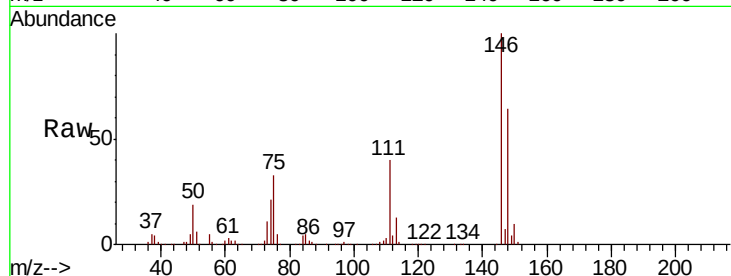
Tot Ion:146 Resp: 444614

Ion Ratio Lower Upper

146 100

111 40.5 28.6 53.0

148 63.5 44.7 82.9

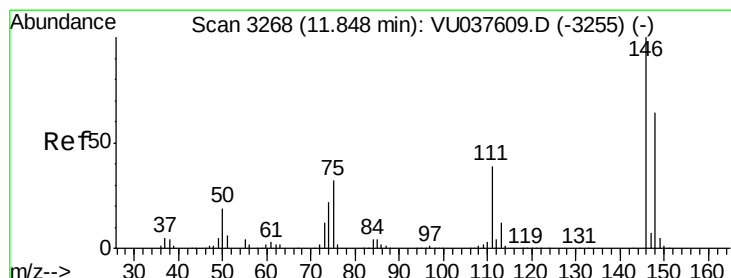
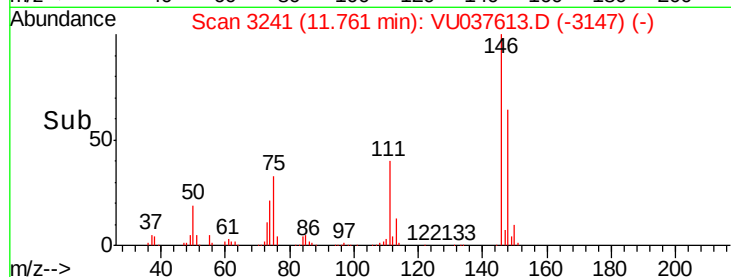
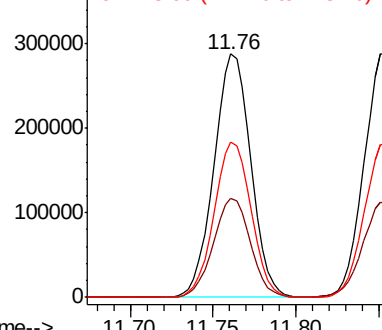


Abundance

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



#63

1,4-Dichlorobenzene

Concen: 49.029 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

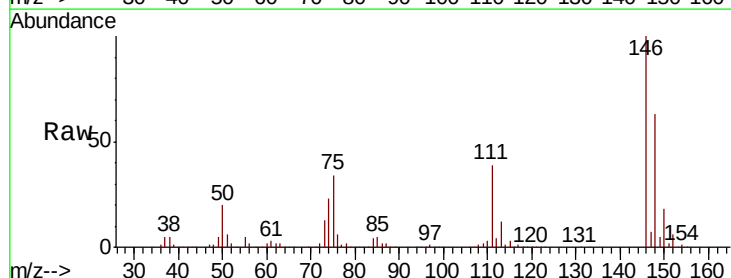
Tgt Ion:146 Resp: 445051

Ion Ratio Lower Upper

146 100

111 39.3 27.2 50.6

148 62.7 44.9 83.3

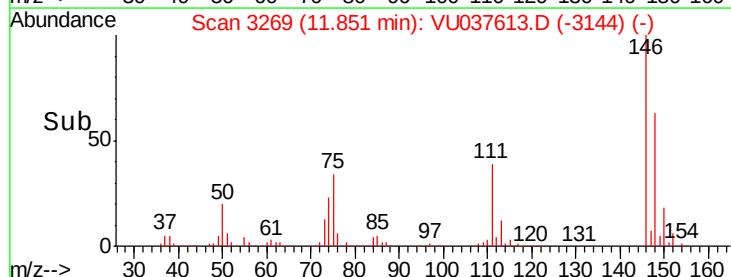
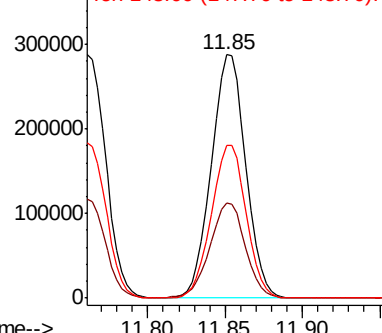


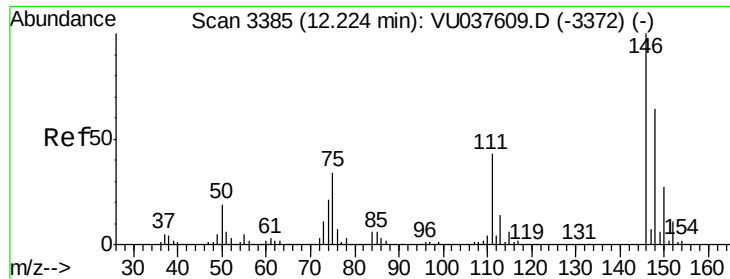
Abundance

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

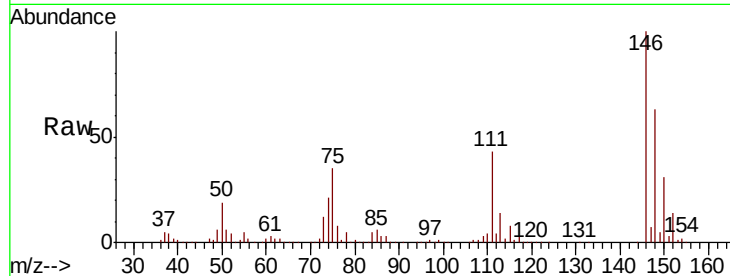




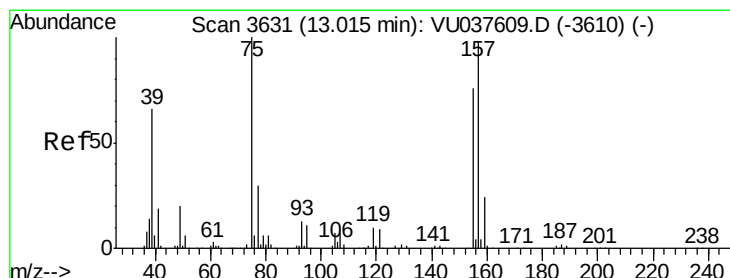
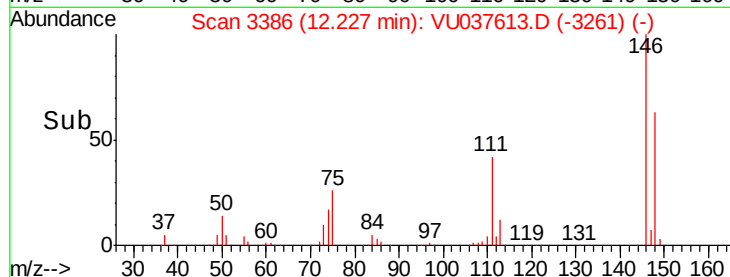
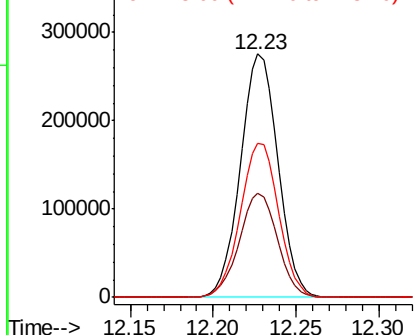
#65
 1,2-Dichlorobenzene
 Concen: 48.720 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037613.D
 Acq: 09 Apr 2020 12:43

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 434392
 Ion Ratio Lower Upper
 146 100
 111 42.7 34.2 51.4
 148 63.5 50.9 76.3

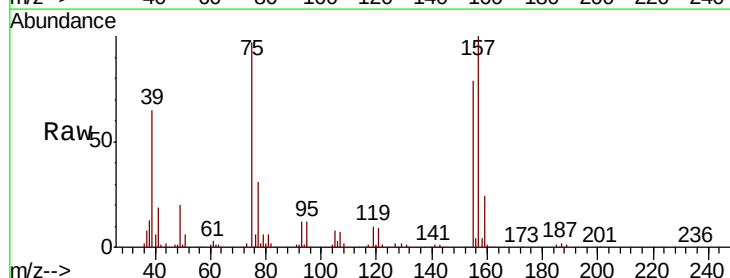


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

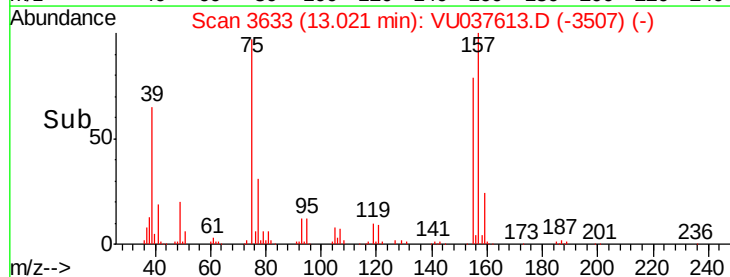
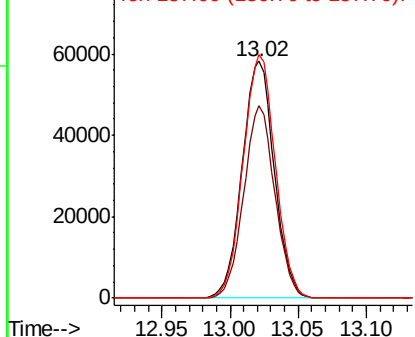


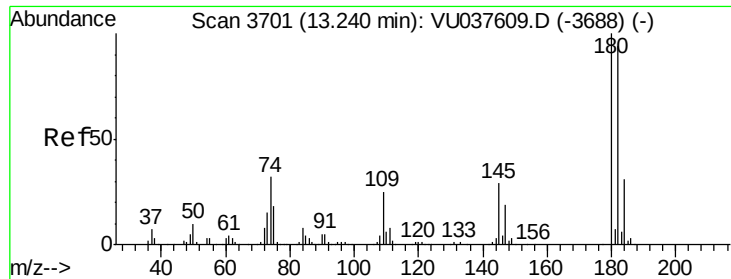
#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.062 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.01 min
 Lab File: VU037613.D
 Acq: 09 Apr 2020 12:43

Tgt Ion: 75 Resp: 95137
 Ion Ratio Lower Upper
 75 100
 155 81.1 60.9 91.3
 157 102.7 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

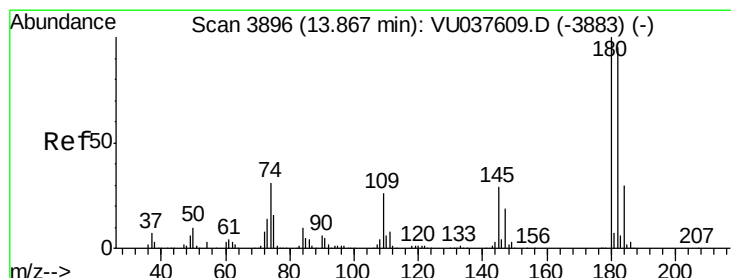
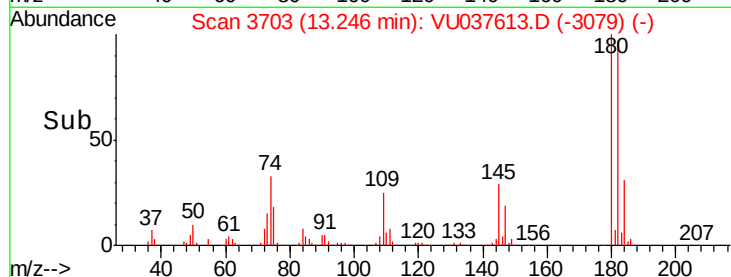
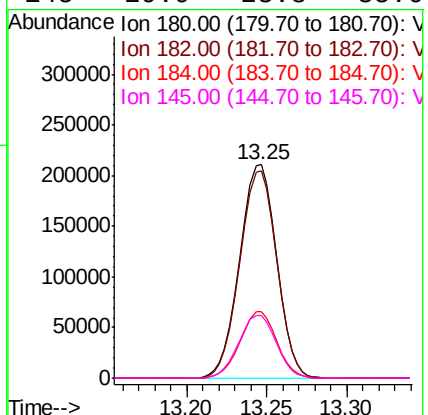
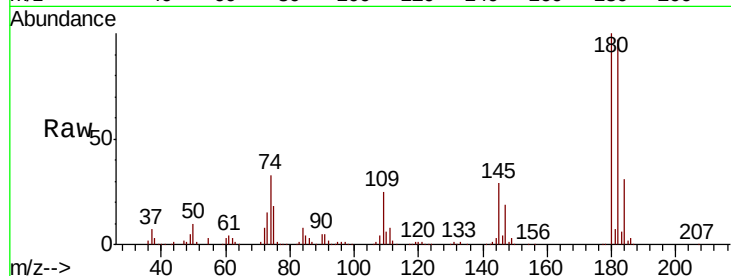




#67
 1,3,5-Trichlorobenzene
 Concen: 50.260 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU037613.D
 Acq: 09 Apr 2020 12:43

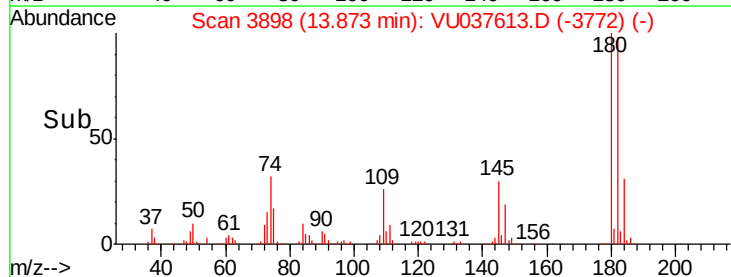
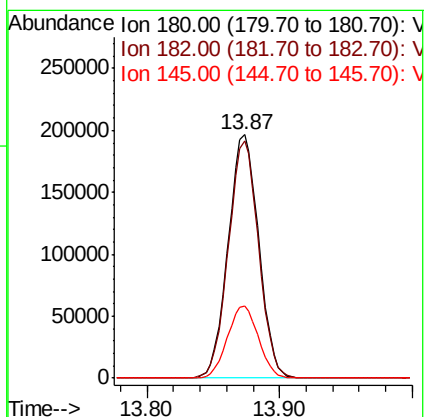
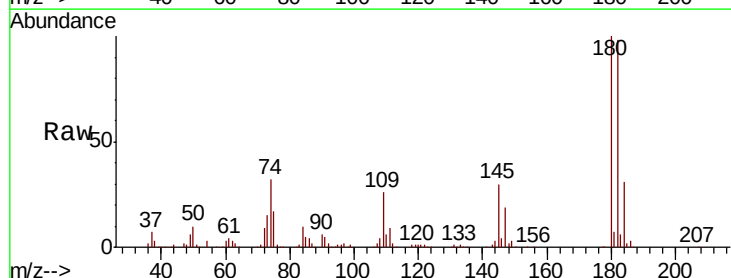
Instrument :
 MSVOA_U
 ClientSampleId :

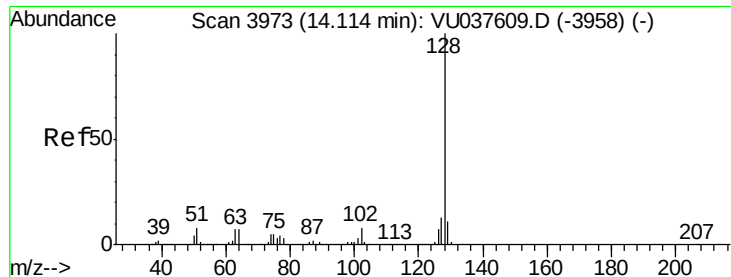
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.2	114.4
184	30.9	24.7	37.1
145	29.9	23.8	35.6



#68
 1,2,4-trichlorobenzene
 Concen: 49.242 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU037613.D
 Acq: 09 Apr 2020 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.5	114.7
145	30.1	23.8	35.6





#69

Naphthalene

Concen: 46.335 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

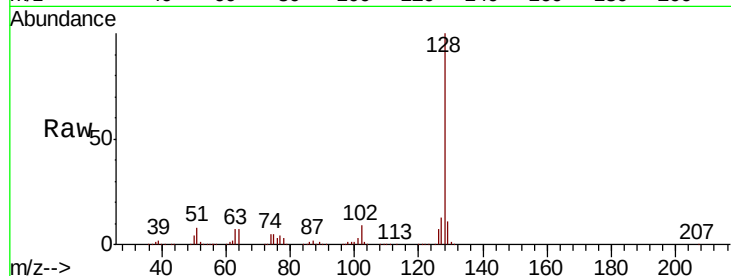
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 1090837

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0

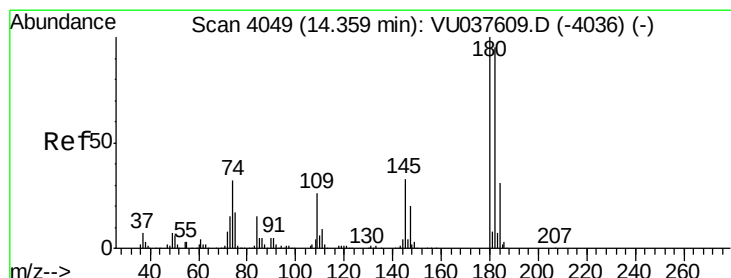
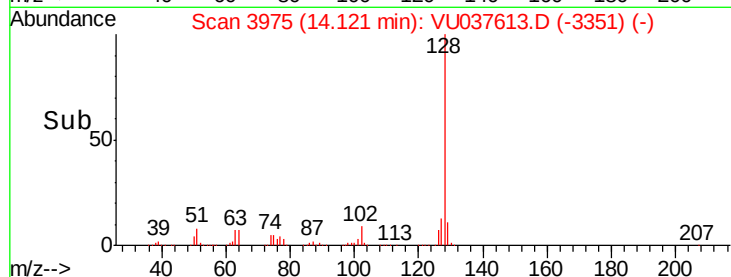
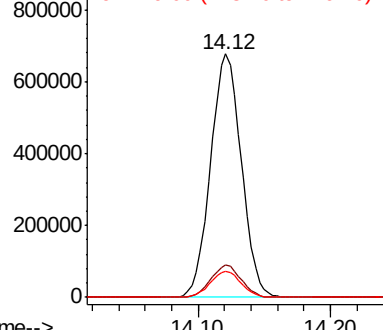


Abundance

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: 48.693 ug/L

RT: 14.37 min Scan# 4052

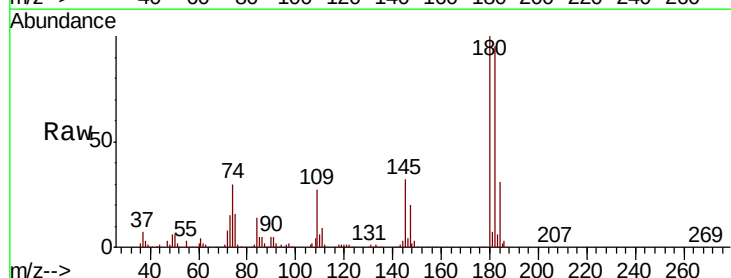
Delta R.T. 0.01 min

Lab File: VU037613.D

Acq: 09 Apr 2020 12:43

Tgt Ion:180 Resp: 309555

Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.6	113.4
145	31.5	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

