

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU052218\
 Data File : VU024005.D
 Acq On : 22 May 2018 10:13
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 02:48:09 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM051218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 22 02:00:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	299908	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	296605	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	155687	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	104257	37.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.82%
7) Chloroethane-d5	1.68	69	85440	38.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.82%
11) 1,1-Dichloroethene-d2	2.27	63	211492	41.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.72%
21) 2-Butanone-d5	4.18	46	183701	94.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.72%
24) Chloroform-d	4.65	84	205862	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.31	65	137336	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.14%
32) Benzene-d6	5.35	84	404570	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
36) 1,2-Dichloropropane-d6	6.34	67	141235	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.58%
41) Toluene-d8	7.57	98	387071	48.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.04%
43) trans-1,3-Dichloropropene-	7.85	79	62467	50.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.56%
47) 2-Hexanone-d5	8.31	63	133180	98.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.80%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	200721	48.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	161526	48.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.08%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	135665	44.25	ug/L	99
3) Chloromethane	1.33	50	136005	47.68	ug/L	100
5) Vinyl chloride	1.40	62	146747	44.40	ug/L	97
6) Bromomethane	1.63	94	64829	49.21	ug/L	99
8) Chloroethane	1.70	64	92379	44.57	ug/L	100
9) Trichlorofluoromethane	1.89	101	184672	44.74	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	117485	46.63	ug/L	98
12) 1,1-Dichloroethene	2.28	96	102664	45.83	ug/L	85
13) Acetone	2.32	43	234895	120.24	ug/L	98
14) Carbon disulfide	2.48	76	283464	47.48	ug/L	100
15) Methyl Acetate	2.62	43	152509	46.55	ug/L	100
16) Methylene chloride	2.70	84	128020	48.05	ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	109583	49.61	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	357596	50.42	ug/L	98
19) 1,1-Dichloroethane	3.45	63	233247	49.67	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	128958	49.99	ug/L	98
22) 2-Butanone	4.26	43	262464	110.40	ug/L	99

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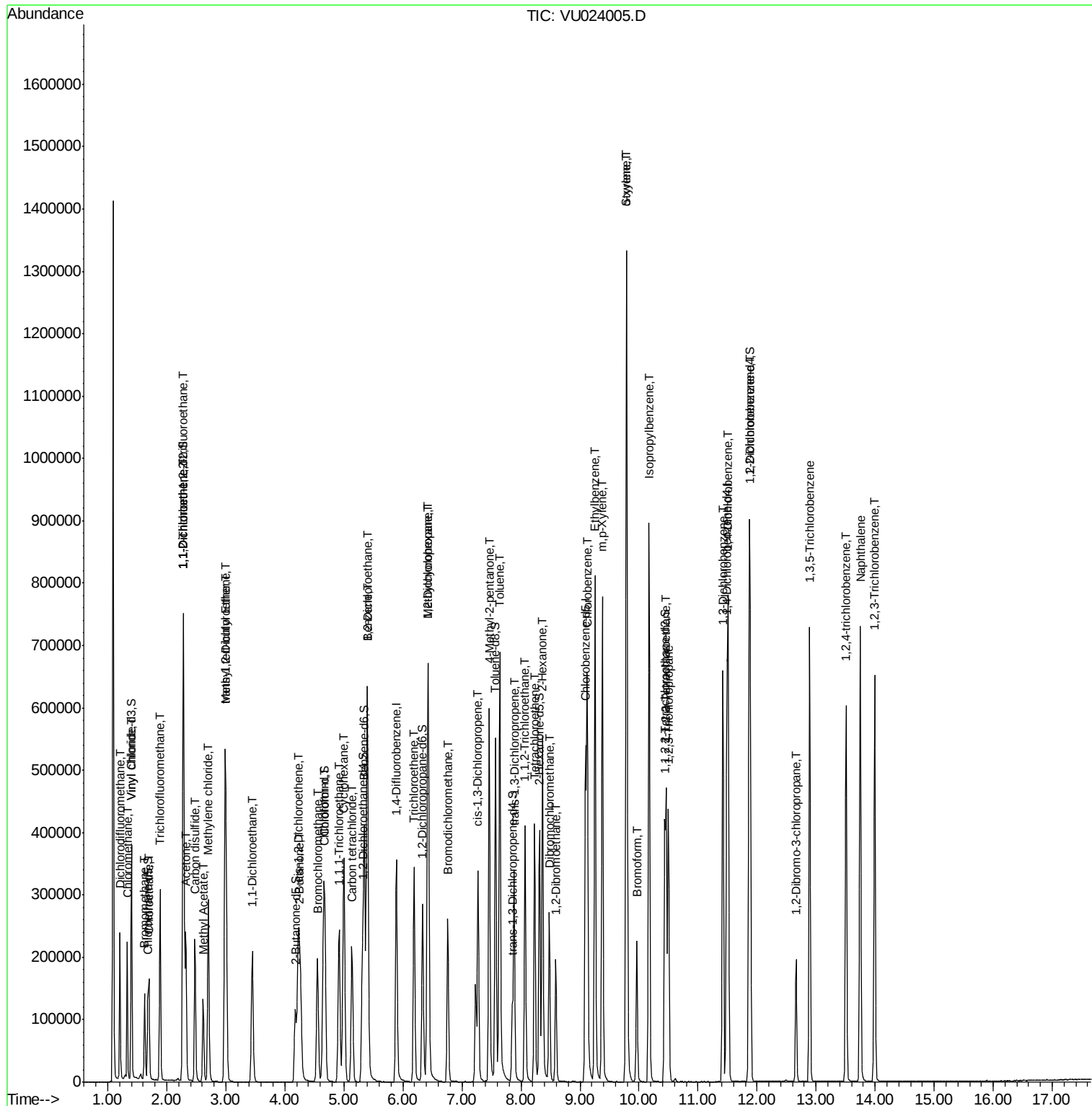
Quant Time: May 23 02:48:09 2018
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 Quant Title : VOC Analysis
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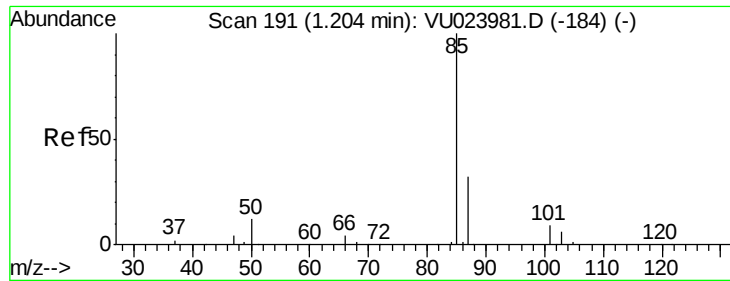
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	64198	48.04	ug/L	92
25) Chloroform	4.68	83	239933	50.56	ug/L	97
27) 1,2-Dichloroethane	5.41	62	186838	51.78	ug/L	98
29) Cyclohexane	5.00	56	185299	52.02	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	184556	49.82	ug/L	98
31) Carbon tetrachloride	5.14	117	157146	49.22	ug/L	100
33) Benzene	5.39	78	502837	51.53	ug/L	100
34) Trichloroethene	6.19	95	123790	49.74	ug/L	98
35) Methylcyclohexane	6.42	83	182571	51.69	ug/L	98
37) 1,2-Dichloropropane	6.44	63	144492	50.04	ug/L	99
38) Bromodichloromethane	6.76	83	175418	51.26	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	199690	52.39	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	411119	101.06	ug/L	98
42) Toluene	7.64	91	526730	51.80	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	184028	52.43	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	129471	49.91	ug/L	98
46) Tetrachloroethene	8.23	164	98114	48.22	ug/L	98
48) 2-Hexanone	8.36	43	350490	106.09	ug/L	98
49) Dibromochloromethane	8.48	129	137843	49.98	ug/L	100
50) 1,2-Dibromoethane	8.59	107	129972	49.13	ug/L	99
51) Chlorobenzene	9.12	112	341566	49.51	ug/L	98
52) Ethylbenzene	9.25	91	578370	52.76	ug/L	99
53) m,p-Xylene	9.38	106	218146	52.51	ug/L	96
54) o-xylene	9.78	106	211348	52.36	ug/L	97
55) Styrene	9.80	104	382919	54.26	ug/L	98
56) Isopropylbenzene	10.17	105	557068	52.47	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	227294	48.69	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	181263	48.37	ug/L	99
61) Bromoform	9.96	173	101523	46.15	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	264232	48.73	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	281832	49.05	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	279355	47.77	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	48689	47.20	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	222792	49.69	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	186486	50.78	ug/L	99
69) Naphthalene	13.75	128	550117	52.62	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	201484	51.27	ug/L	99

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

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ALS Vial  : 2      Sample Multiplier: 1
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#2

Dichlorodifluoromethane

Concen: 44.25 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024005.D

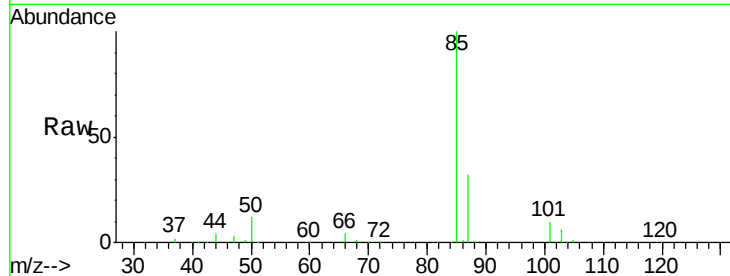
Acq: 22 May 2018 10:13

Tgt Ion: 85 Resp: 135665

Ion Ratio Lower Upper

85 100

87 32.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

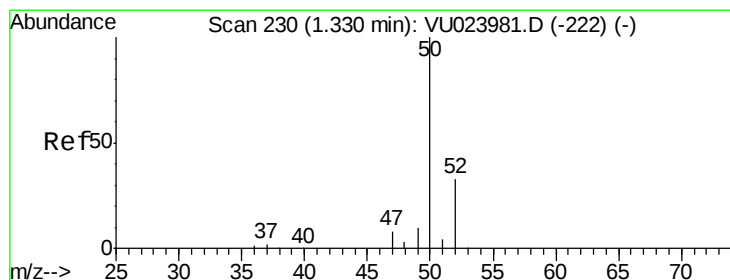
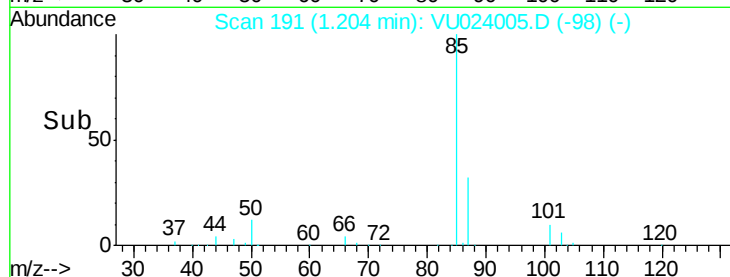
150000

100000

50000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 47.68 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024005.D

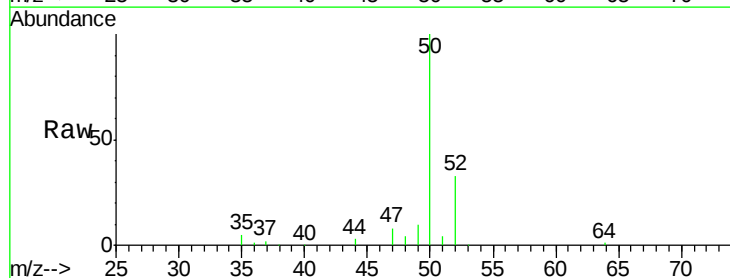
Acq: 22 May 2018 10:13

Tgt Ion: 50 Resp: 136005

Ion Ratio Lower Upper

50 100

52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

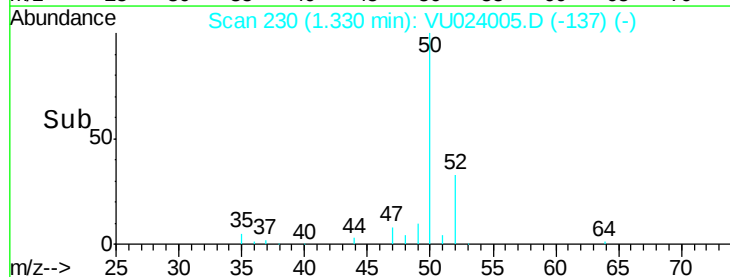
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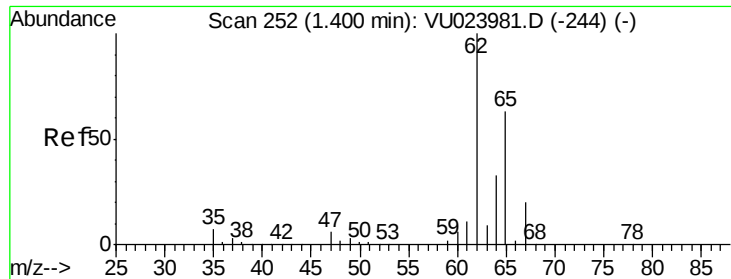
100000

50000

0

Time--> 1.30 1.35 1.40





#5

Vinyl chloride

Concen: 44.40 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024005.D

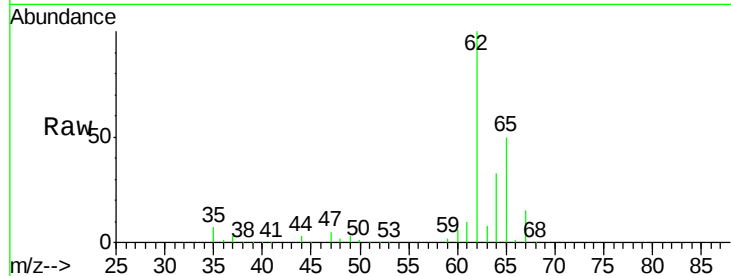
Acq: 22 May 2018 10:13

Tgt Ion: 62 Resp: 146747

Ion Ratio Lower Upper

62 100

64 33.0 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

150000

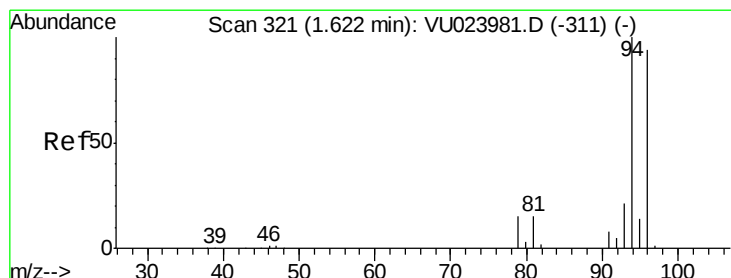
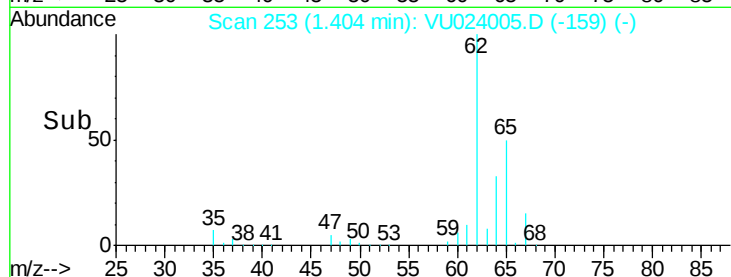
100000

50000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 49.21 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024005.D

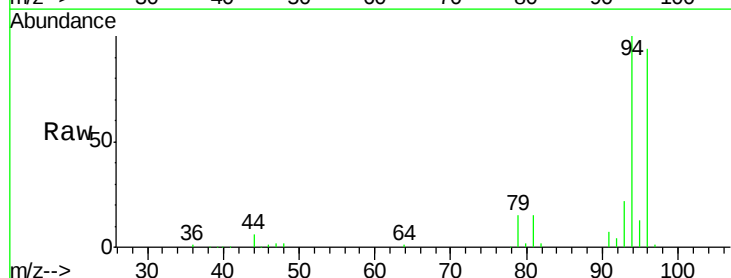
Acq: 22 May 2018 10:13

Tgt Ion: 94 Resp: 64829

Ion Ratio Lower Upper

94 100

96 94.0 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

50000

40000

30000

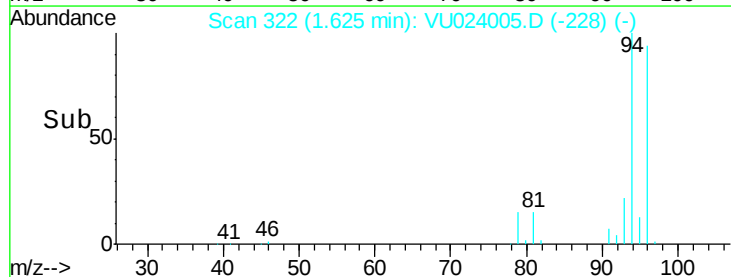
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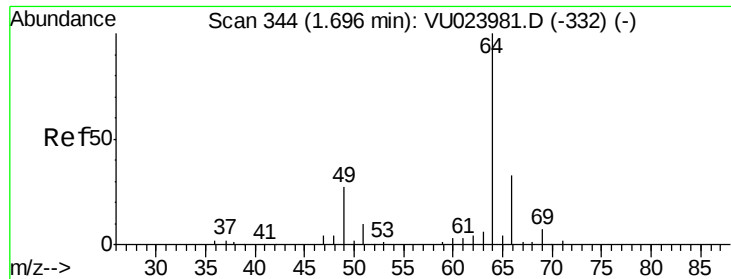
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Time-->

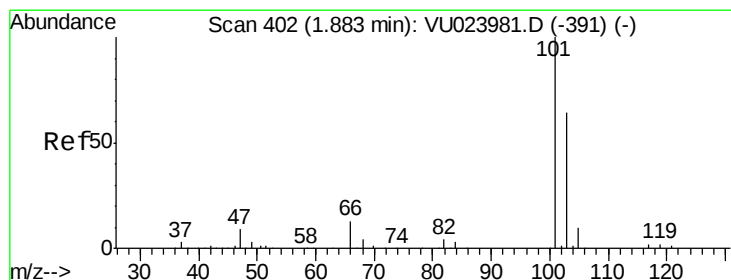
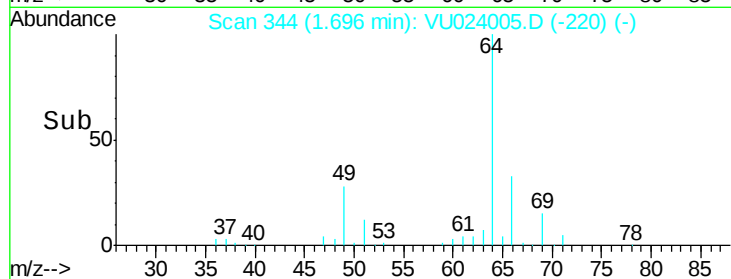
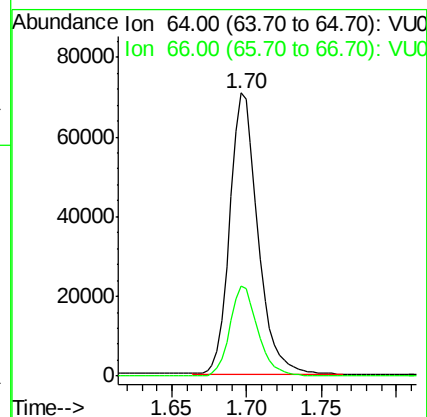
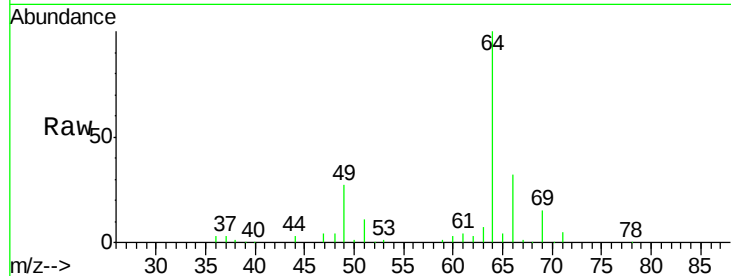
1.60 1.65 1.70





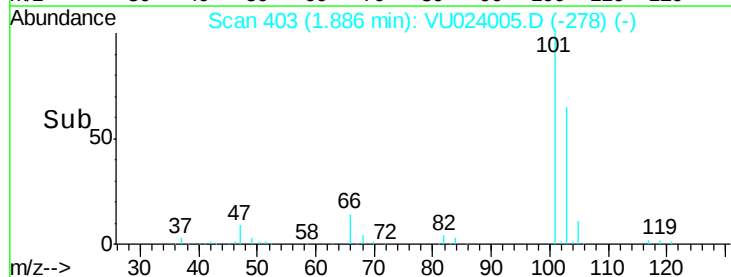
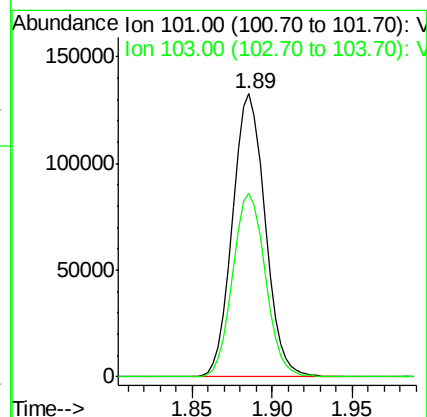
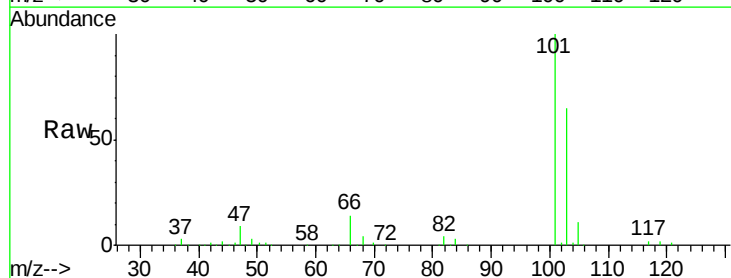
#8
Chloroethane
Concen: 44.57 ug/L
RT: 1.70 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU024005.D
Acq: 22 May 2018 10:13

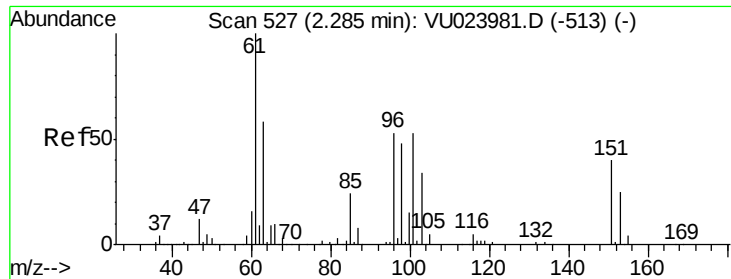
Tgt Ion: 64 Resp: 92379
Ion Ratio Lower Upper
64 100
66 31.7 22.0 41.0



#9
Trichlorofluoromethane
Concen: 44.74 ug/L
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU024005.D
Acq: 22 May 2018 10:13

Tgt Ion: 101 Resp: 184672
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8





#10

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

Concen: 46.63 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

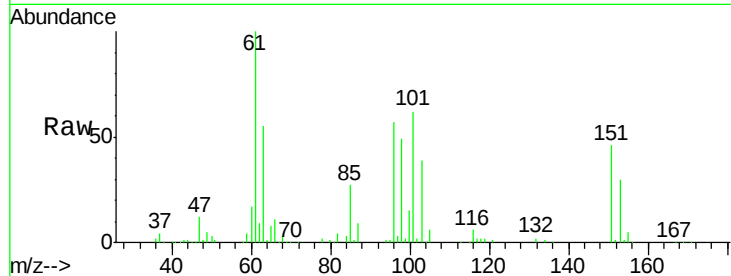
Tgt Ion: 101 Resp: 117485

Ion Ratio Lower Upper

101 100

85 44.2 34.3 51.5

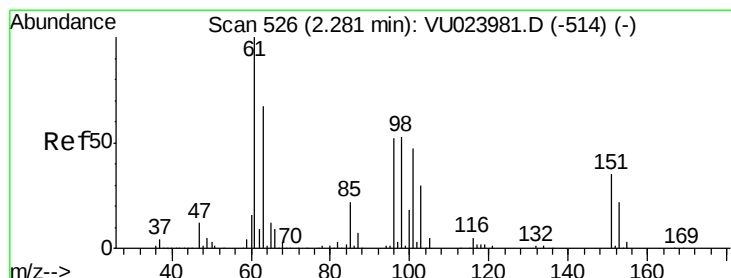
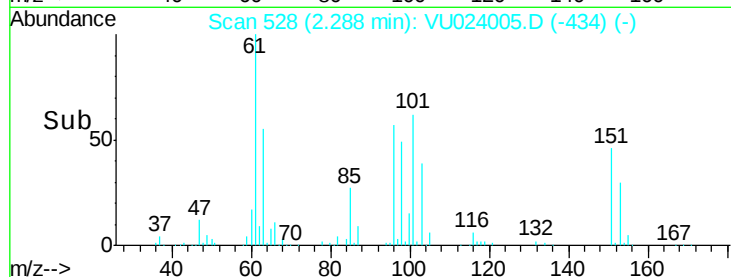
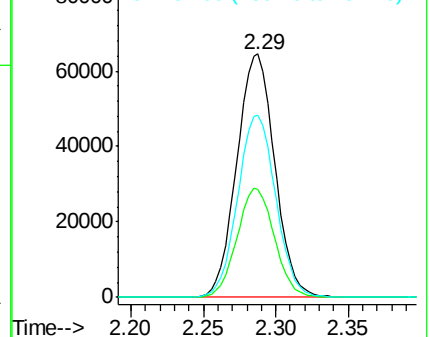
151 75.0 61.0 91.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 45.83 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

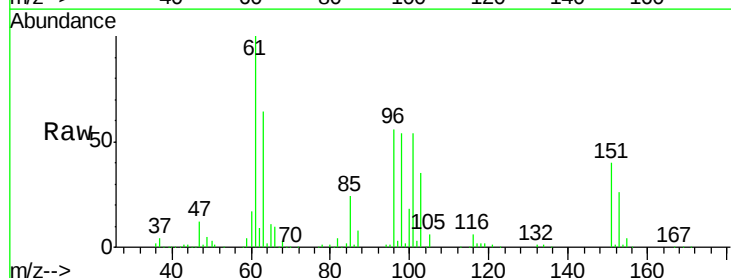
Tgt Ion: 96 Resp: 102664

Ion Ratio Lower Upper

96 100

61 179.2 129.5 240.5

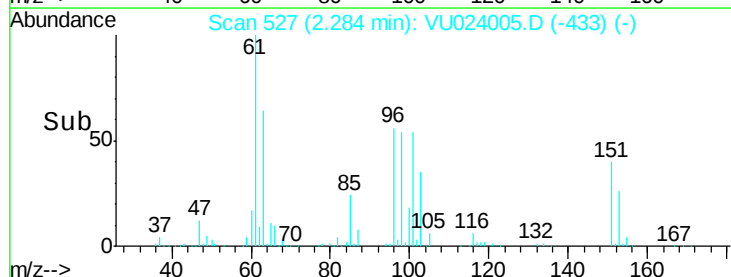
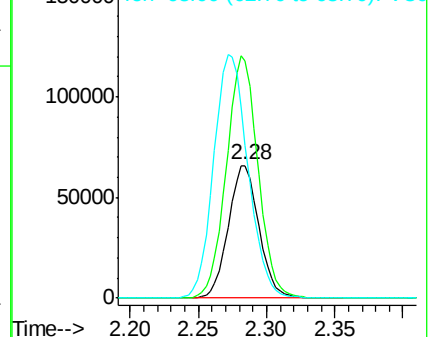
63 115.6 106.9 198.5

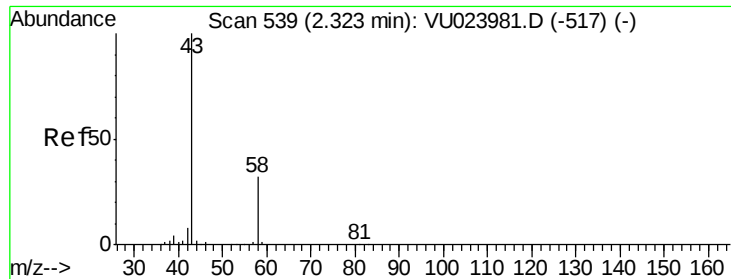


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 120.24 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024005.D

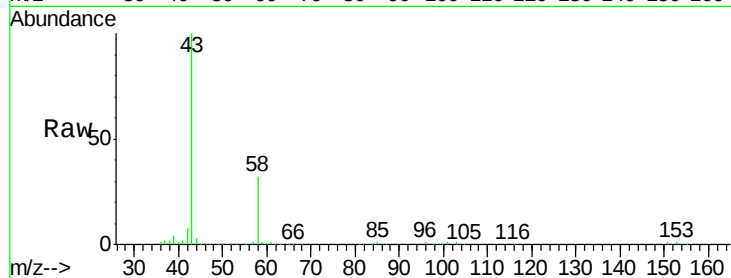
Acq: 22 May 2018 10:13

Tgt Ion: 43 Resp: 234895

Ion Ratio Lower Upper

43 100

58 31.5 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VU023981.D (-517) (-)

Ion 58.00 (57.70 to 58.70): VU023981.D (-517) (-)

2.32

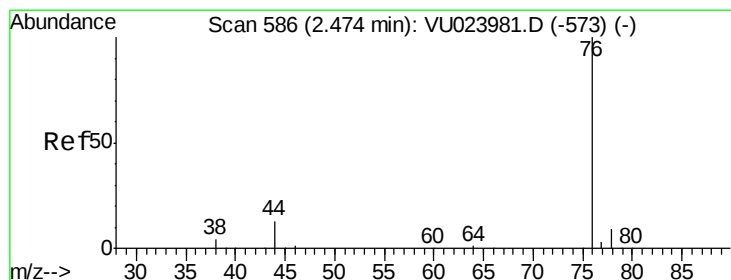
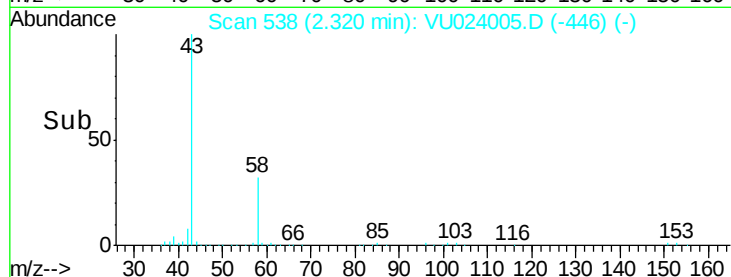
150000

100000

50000

0

Time--> 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 47.48 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU024005.D

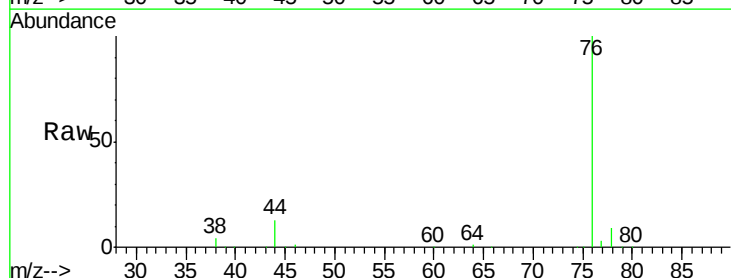
Acq: 22 May 2018 10:13

Tgt Ion: 76 Resp: 283464

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU023981.D (-573) (-)

Ion 78.00 (77.70 to 78.70): VU023981.D (-573) (-)

2.48

200000

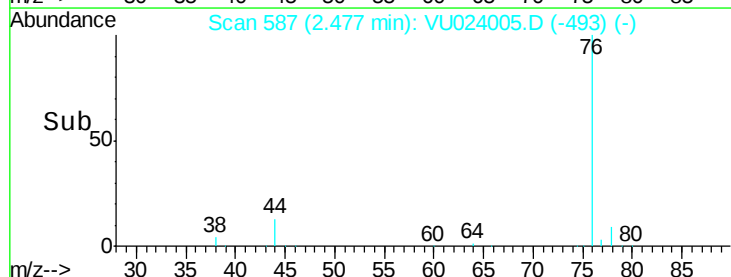
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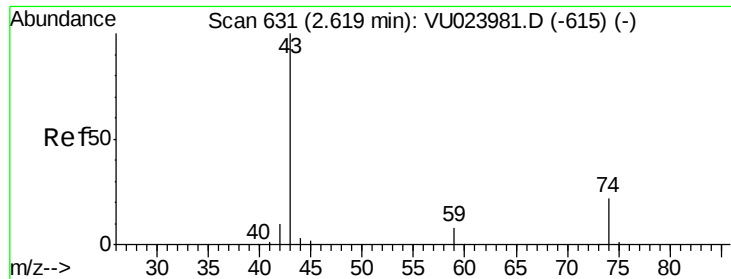
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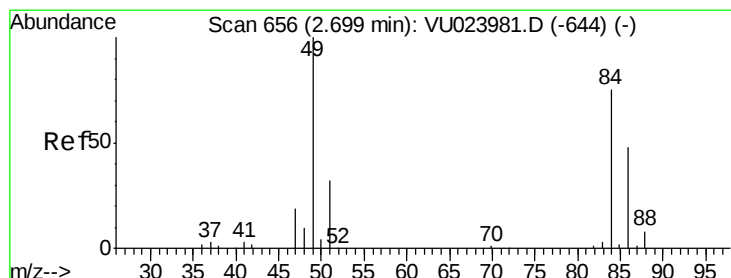
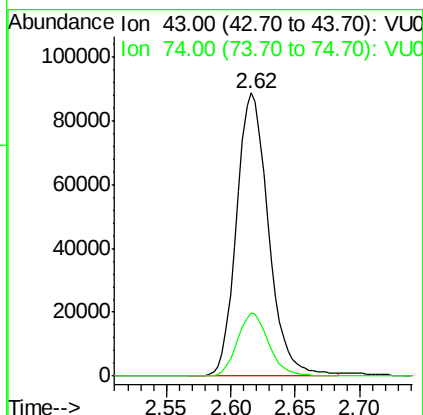
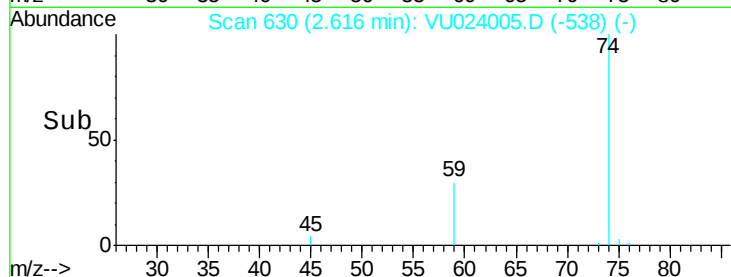
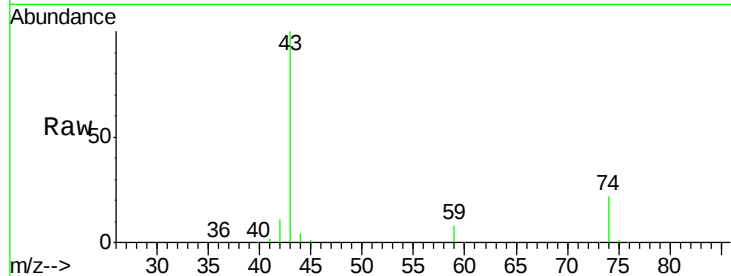
Time--> 2.40 2.50 2.60





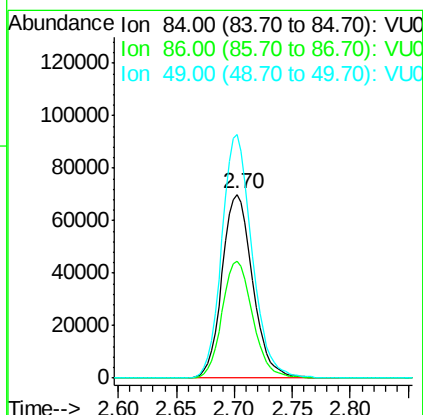
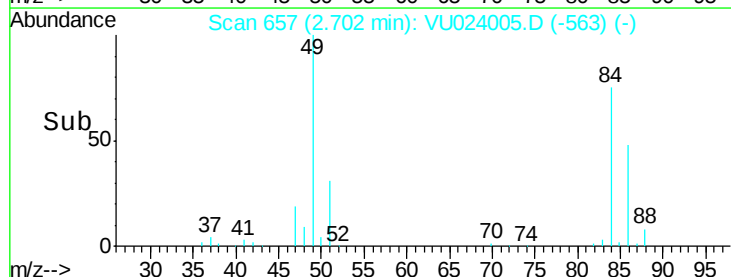
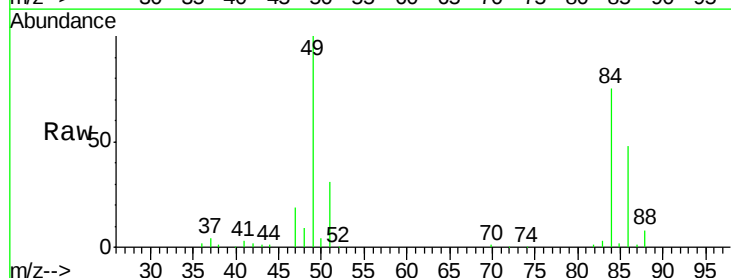
#15
Methyl Acetate
Concen: 46.55 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU024005.D
Acq: 22 May 2018 10:13

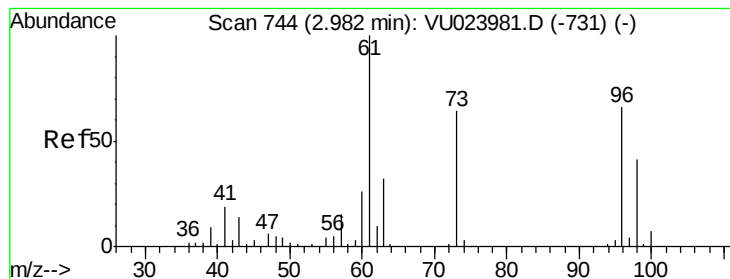
Tgt Ion: 43 Resp: 152509
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.6



#16
Methylene chloride
Concen: 48.05 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU024005.D
Acq: 22 May 2018 10:13

Tgt Ion: 84 Resp: 128020
Ion Ratio Lower Upper
84 100
86 64.0 44.6 82.8
49 132.7 87.6 162.6





#17

trans-1,2-Dichloroethene

Concen: 49.61 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

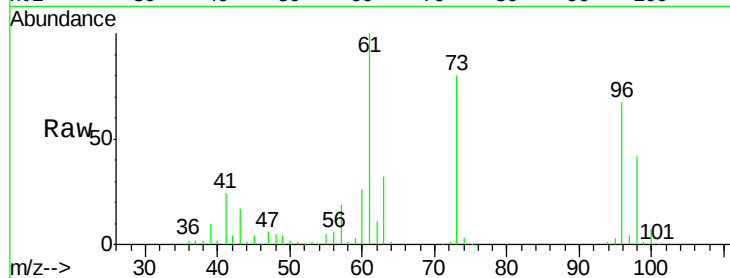
Tgt Ion: 96 Resp: 109583

Ion Ratio Lower Upper

96 100

61 148.4 104.4 194.0

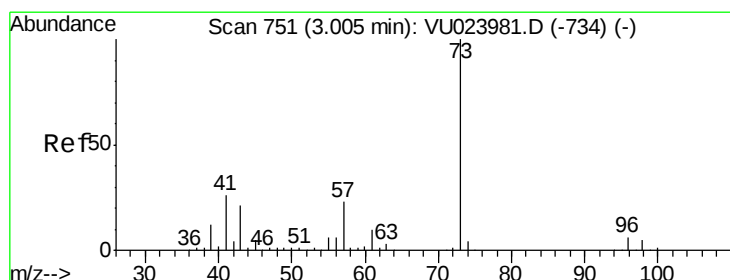
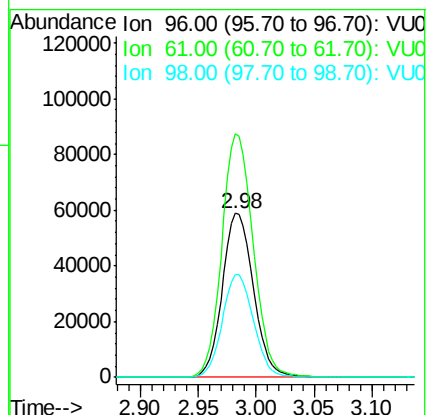
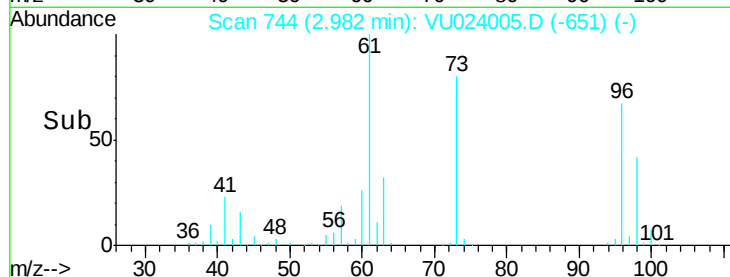
98 62.5 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 50.42 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

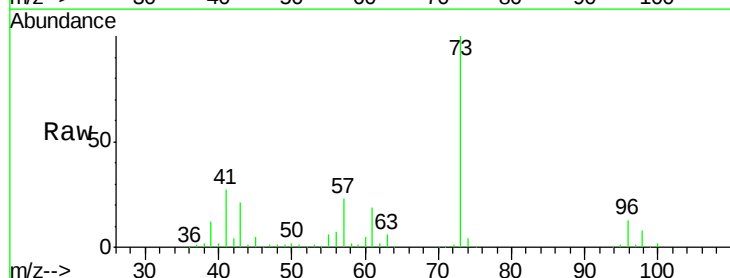
Tgt Ion: 73 Resp: 357596

Ion Ratio Lower Upper

73 100

43 20.8 15.5 23.3

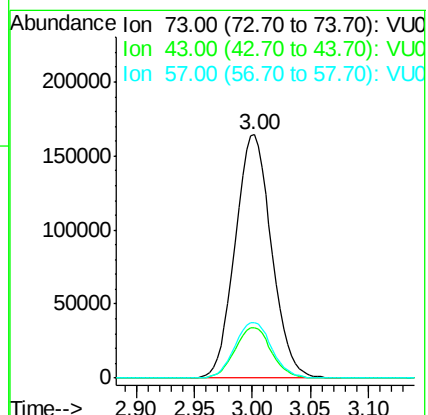
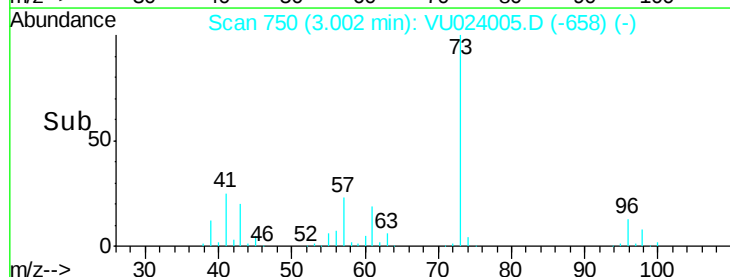
57 23.4 18.6 27.8

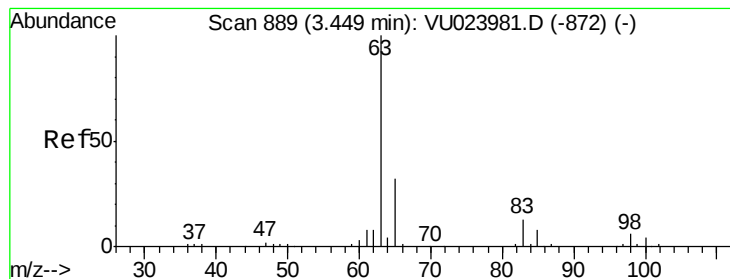


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 49.67 ug/L

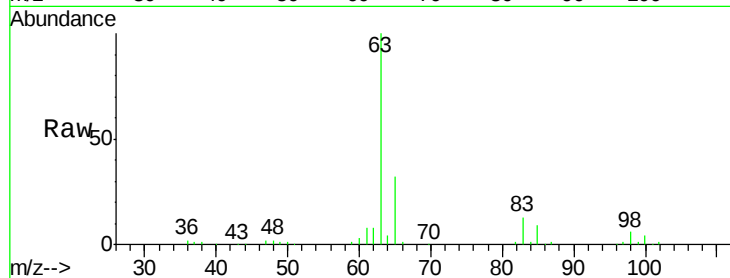
RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

Tgt Ion:	63	Resp:	233247
Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.5	41.9
83	13.0	8.8	16.4

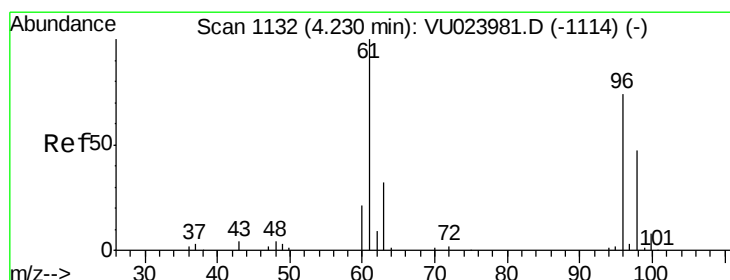
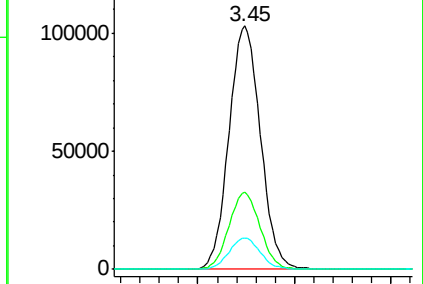
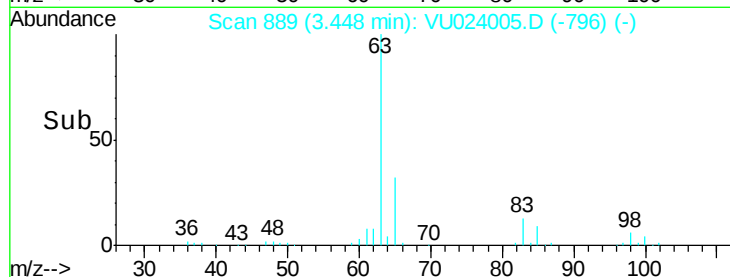


Abundance Ion 63.00 (62.70 to 63.70): VU023981.D (-872) (-)

Ion 65.00 (64.70 to 65.70): VU023981.D (-872) (-)

Ion 83.00 (82.70 to 83.70): VU023981.D (-872) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 49.99 ug/L

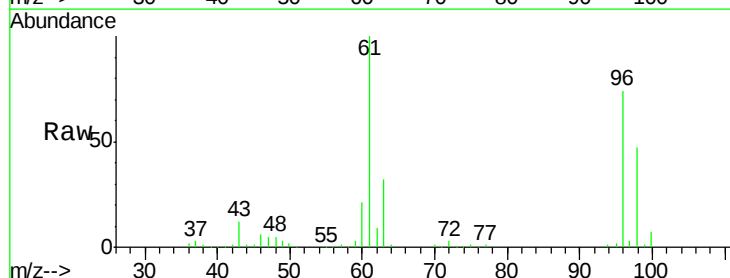
RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

Tgt Ion:	96	Resp:	128958
Ion	Ratio	Lower	Upper
96	100		
61	136.0	93.3	173.3
68	0.0	0.0	0.0

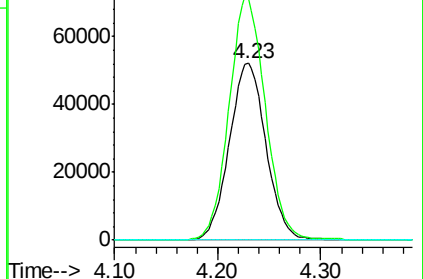
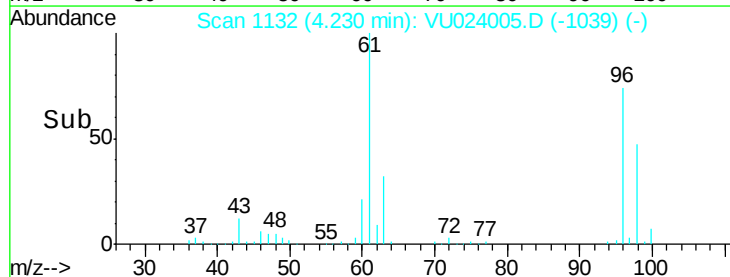


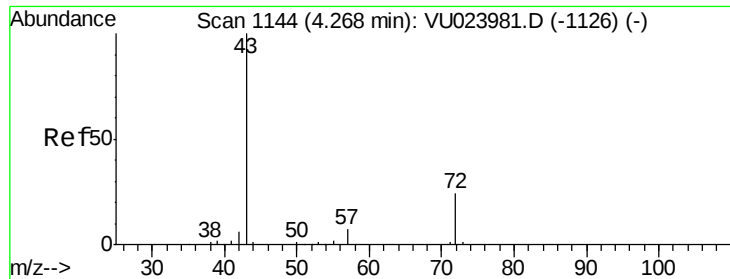
Abundance Ion 96.00 (95.70 to 96.70): VU023981.D (-1114) (-)

Ion 61.00 (60.70 to 61.70): VU023981.D (-1114) (-)

Ion 68.00 (67.70 to 68.70): VU023981.D (-1114) (-)

Time-->





#22

2-Butanone

Concen: 110.40 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VU024005.D

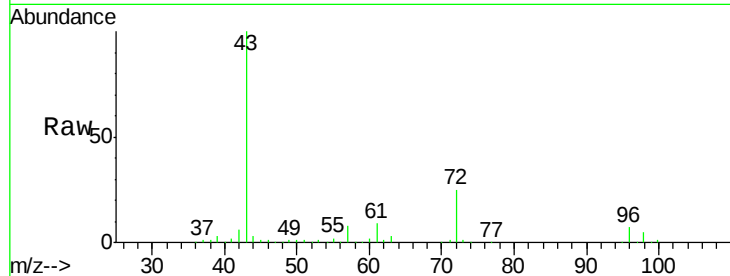
Acq: 22 May 2018 10:13

Tgt Ion: 43 Resp: 262464

Ion Ratio Lower Upper

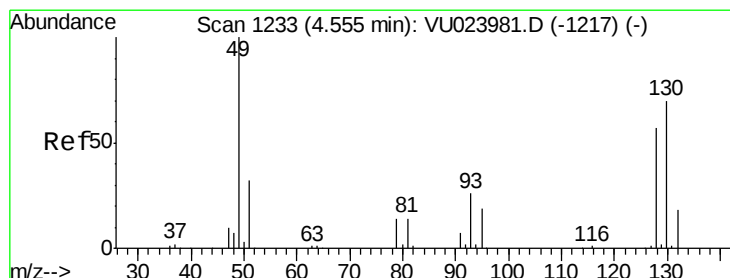
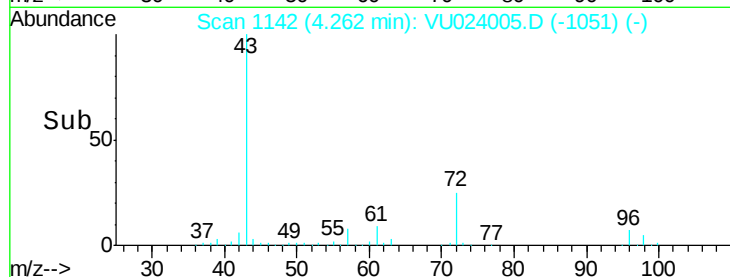
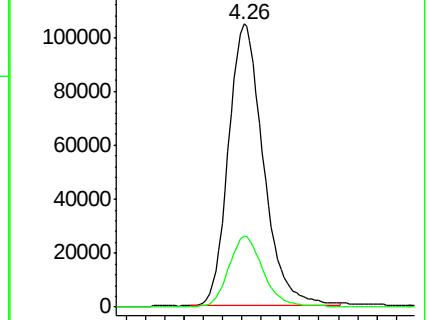
43 100

72 25.0 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 48.04 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

Tgt Ion: 128 Resp: 64198

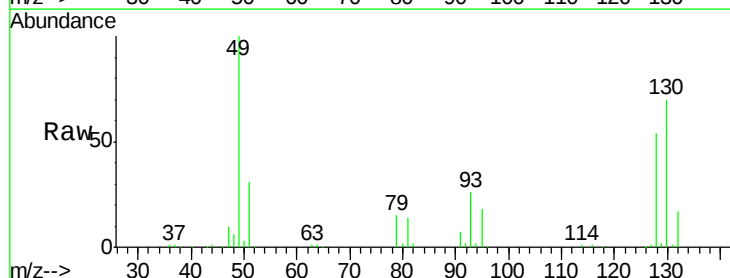
Ion Ratio Lower Upper

128 100

49 185.0 117.6 218.4

130 129.5 93.4 173.6

51 57.2 42.6 64.0

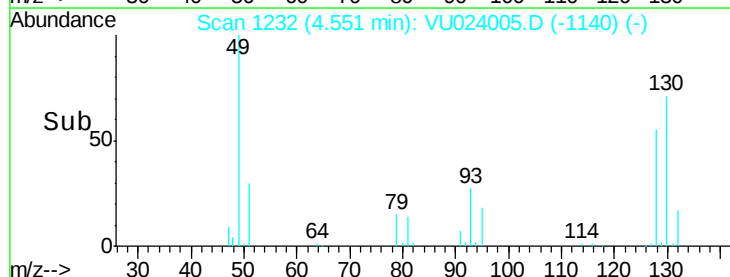
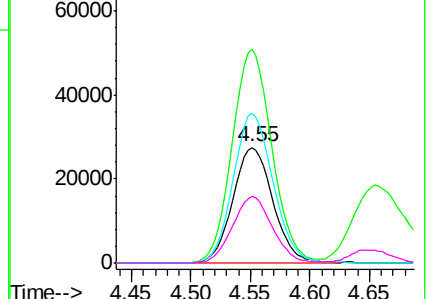


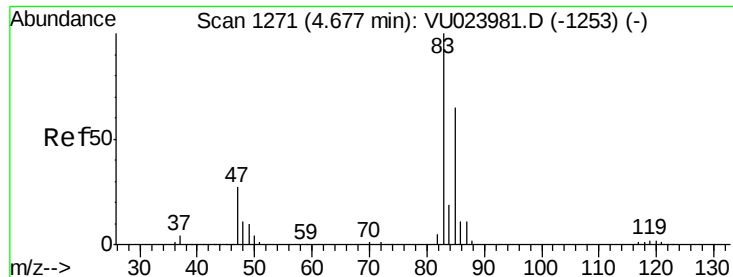
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

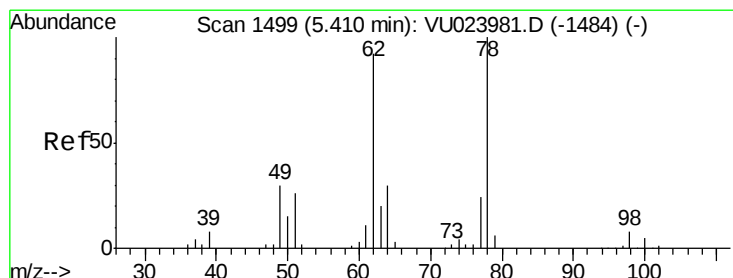
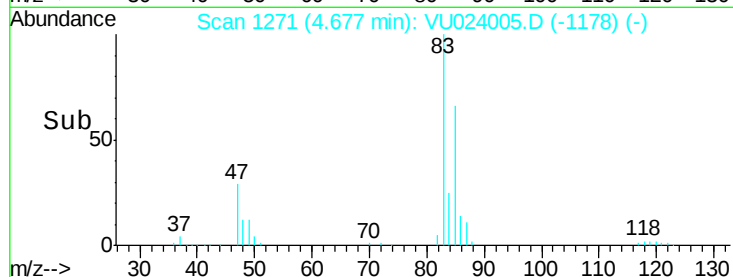
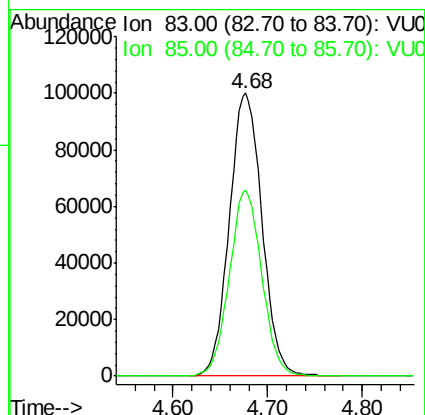
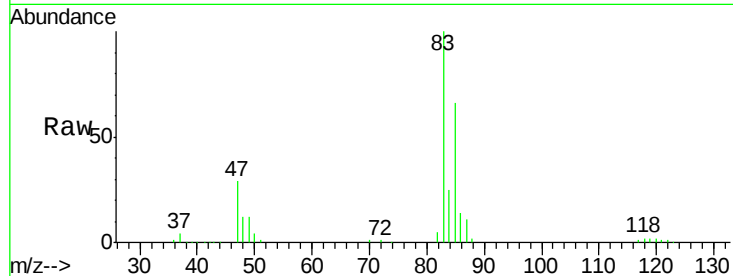
Ion 51.00 (50.70 to 51.70): VU0





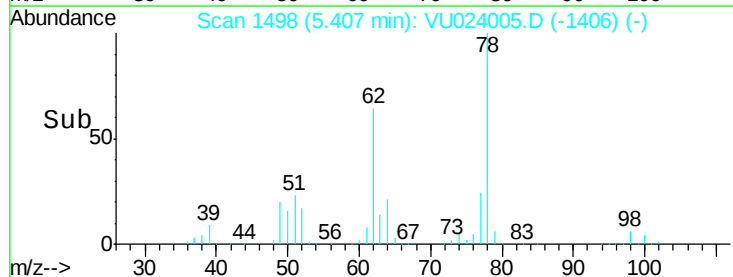
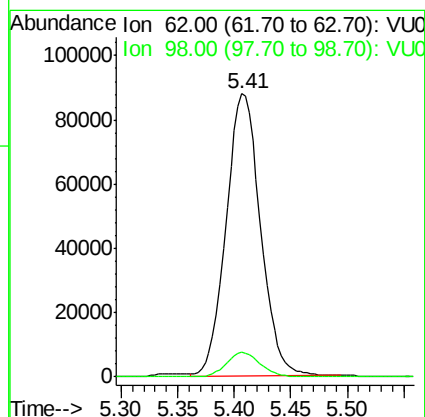
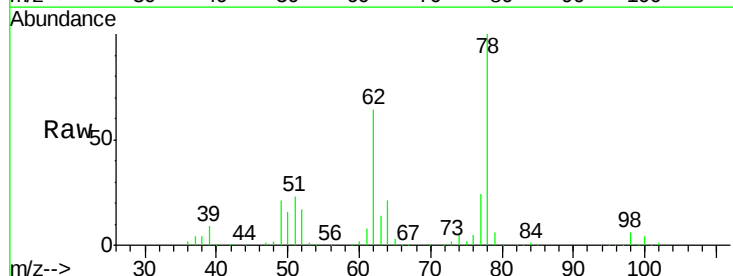
#25
Chloroform
Concen: 50.56 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024005.D
Acq: 22 May 2018 10:13

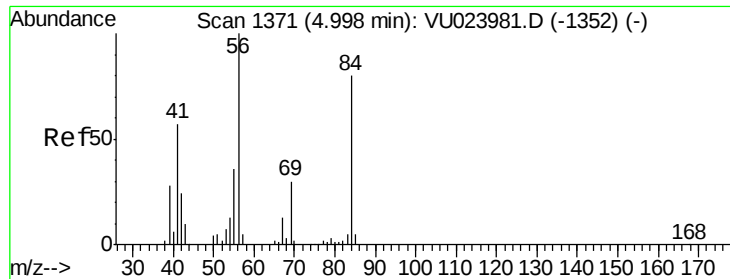
Tgt Ion: 83 Resp: 239933
Ion Ratio Lower Upper
83 100
85 65.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 51.78 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024005.D
Acq: 22 May 2018 10:13

Tgt Ion: 62 Resp: 186838
Ion Ratio Lower Upper
62 100
98 8.8 7.5 11.3





#29

Cyclohexane

Concen: 52.02 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

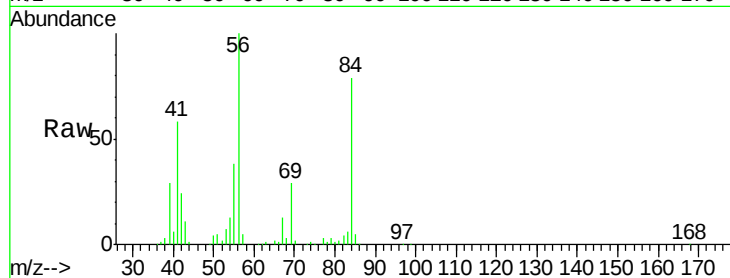
Tgt Ion: 56 Resp: 185299

Ion Ratio Lower Upper

56 100

69 29.2 23.6 35.4

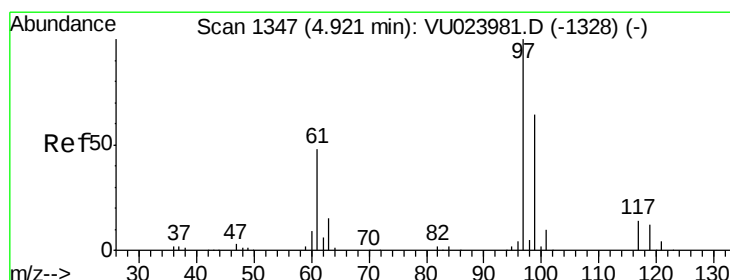
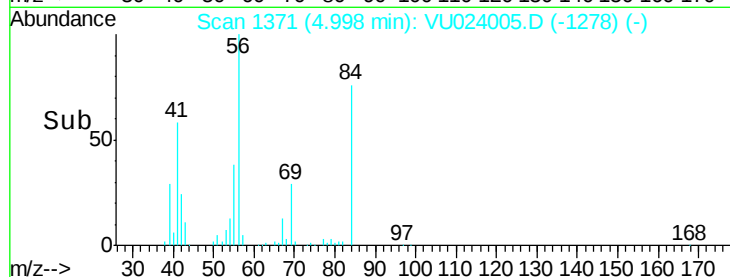
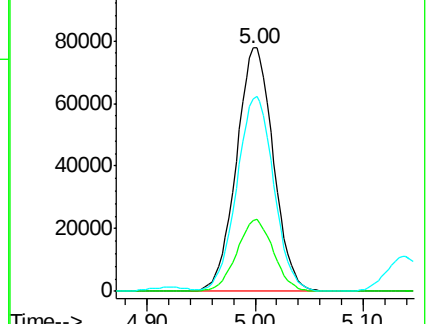
84 80.0 65.8 98.6



Abundance Ion 56.00 (55.70 to 56.70): VU024005.D (-1278) (-)

Ion 69.00 (68.70 to 69.70): VU024005.D (-1278) (-)

Ion 84.00 (83.70 to 84.70): VU024005.D (-1278) (-)



#30

1,1,1-Trichloroethane

Concen: 49.82 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

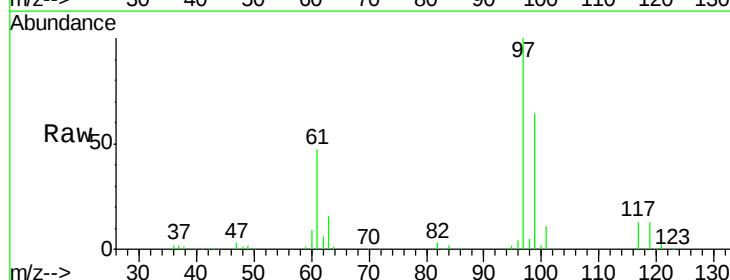
Tgt Ion: 97 Resp: 184556

Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

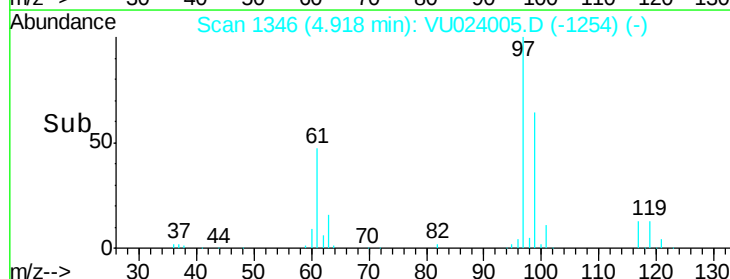
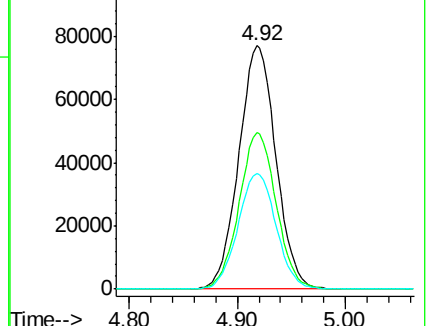
61 48.6 37.6 56.4

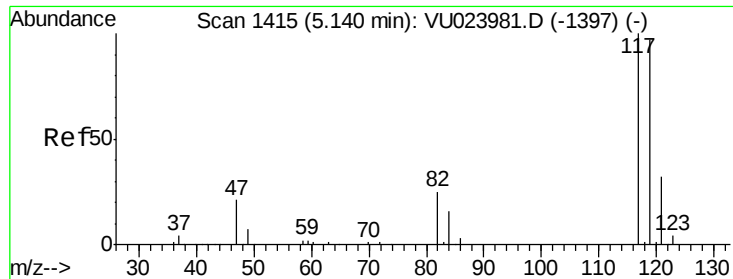


Abundance Ion 97.00 (96.70 to 97.70): VU024005.D (-1254) (-)

Ion 99.00 (98.70 to 99.70): VU024005.D (-1254) (-)

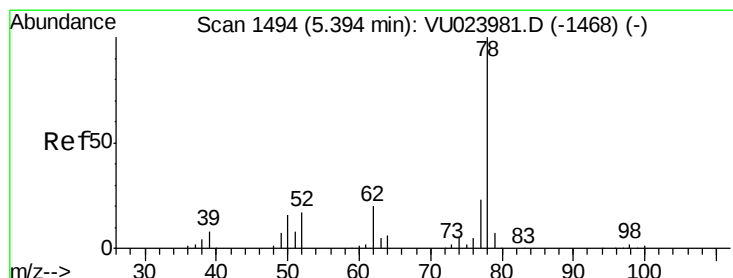
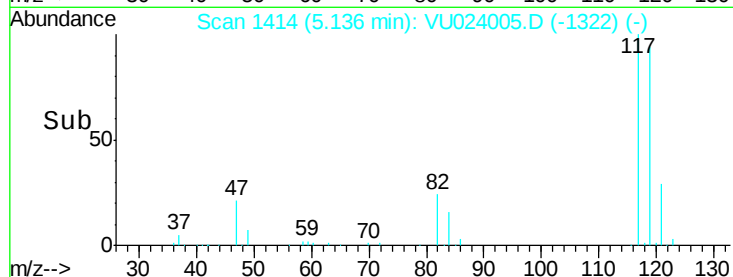
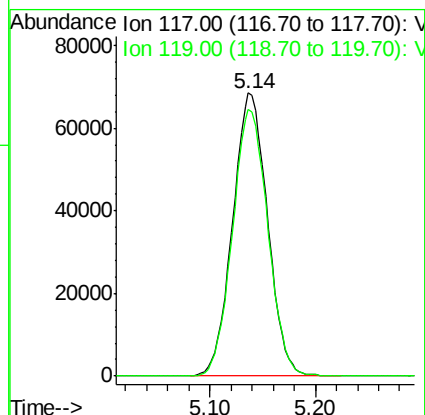
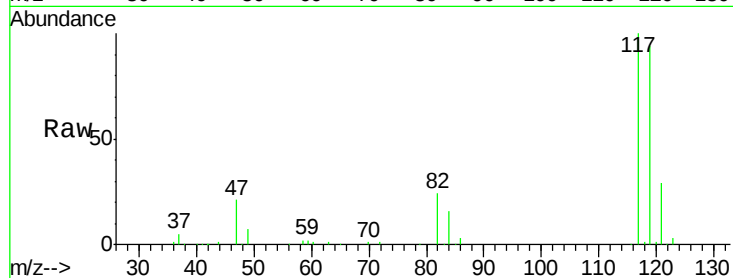
Ion 61.05 (60.75 to 61.75): VU024005.D (-1254) (-)





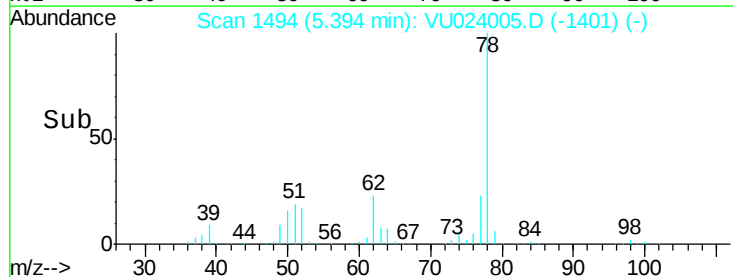
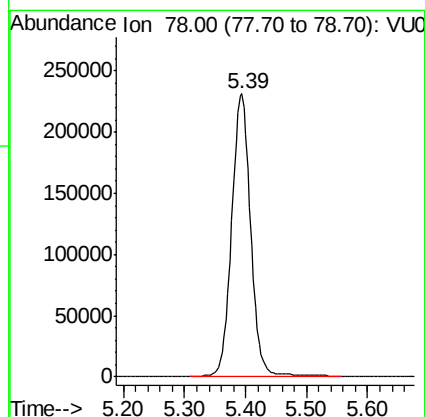
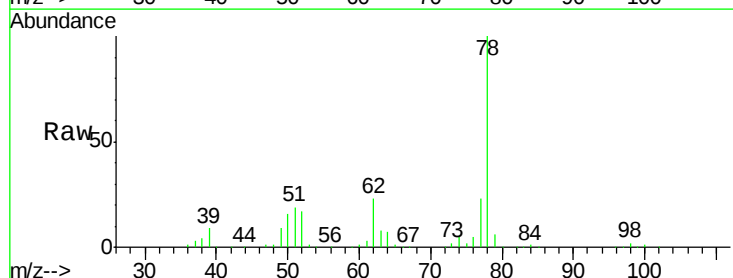
#31
Carbon tetrachloride
Concen: 49.22 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU024005.D
Acq: 22 May 2018 10:13

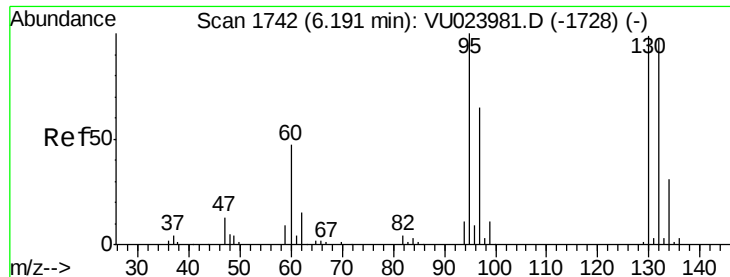
Tgt Ion: 117 Resp: 157146
Ion Ratio Lower Upper
117 100
119 95.6 76.6 115.0



#33
Benzene
Concen: 51.53 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024005.D
Acq: 22 May 2018 10:13

Tgt Ion: 78 Resp: 502837





#34

Trichloroethene

Concen: 49.74 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

Tgt Ion: 95 Resp: 123790

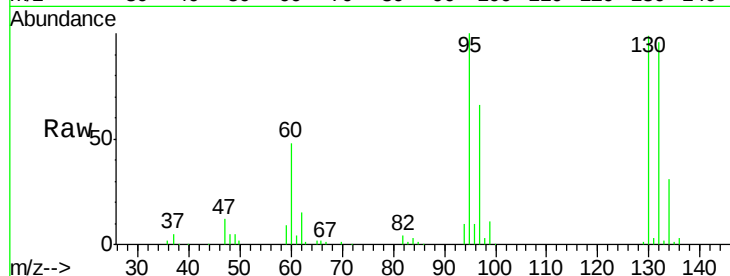
Ion Ratio Lower Upper

95 100

97 65.9 45.4 84.2

132 95.9 69.0 128.1

130 99.4 71.7 133.1

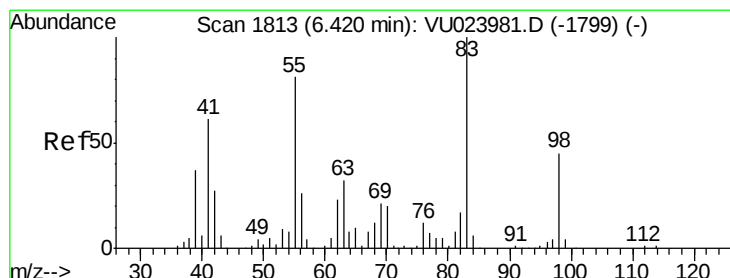
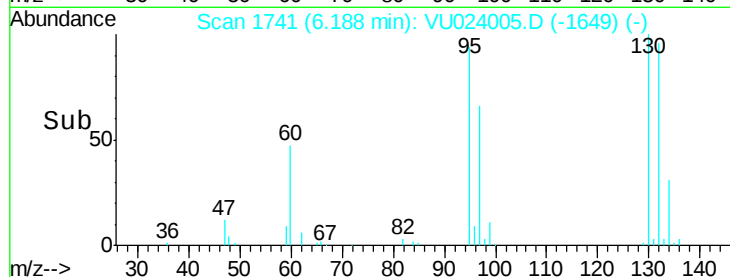
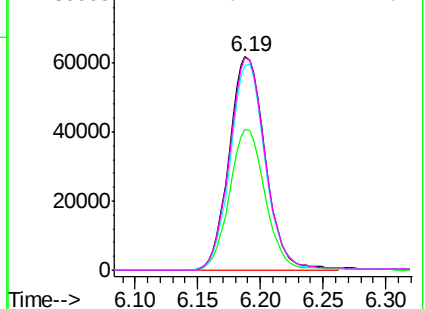


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 51.69 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

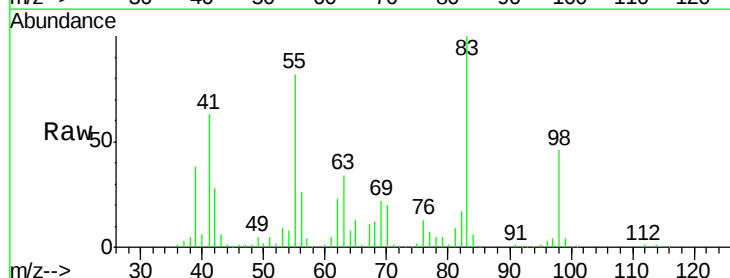
Tgt Ion: 83 Resp: 182571

Ion Ratio Lower Upper

83 100

55 85.7 67.2 100.8

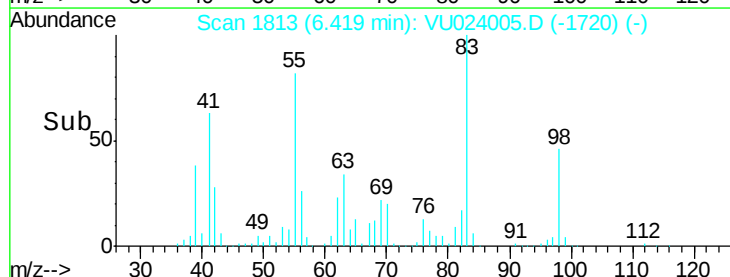
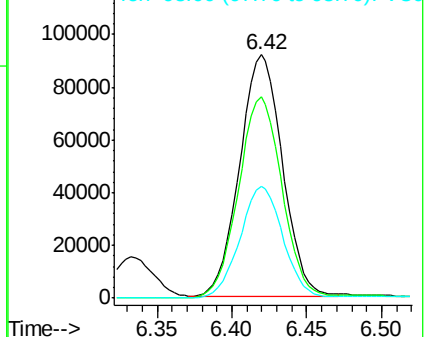
98 46.8 36.6 54.8

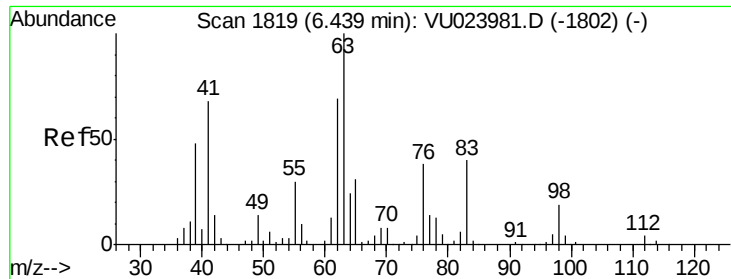


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

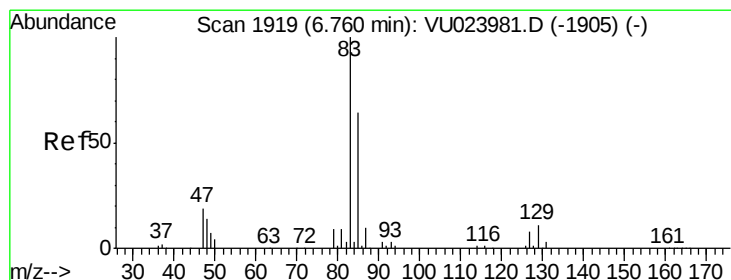
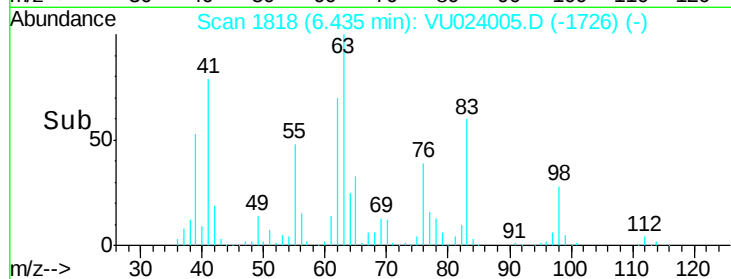
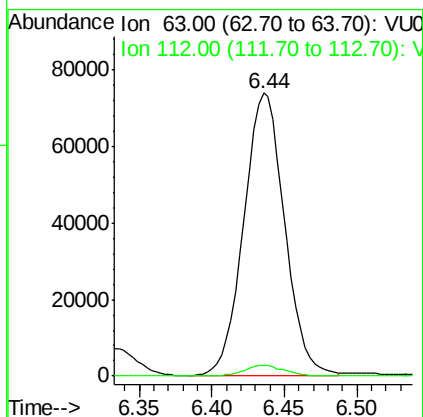
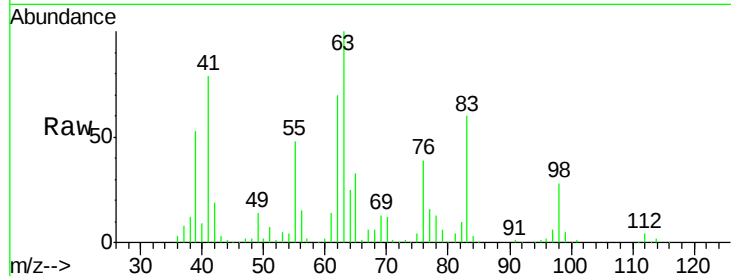
Ion 98.00 (97.70 to 98.70): VU0





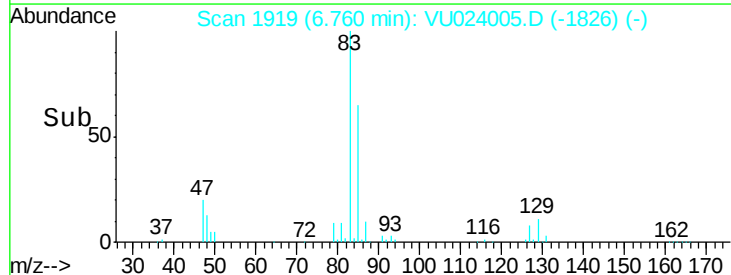
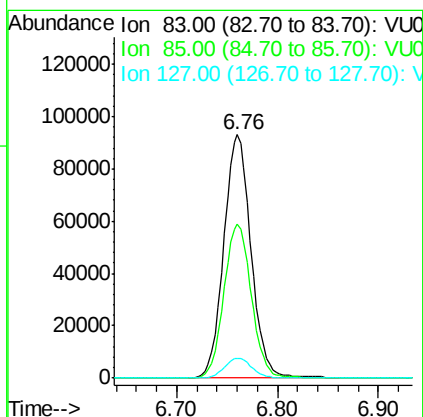
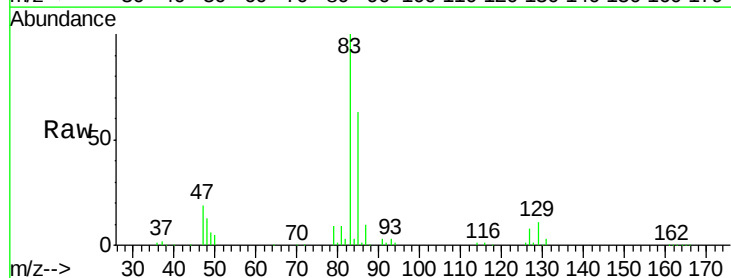
#37
 1,2-Dichloropropane
 Concen: 50.04 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024005.D
 Acq: 22 May 2018 10:13

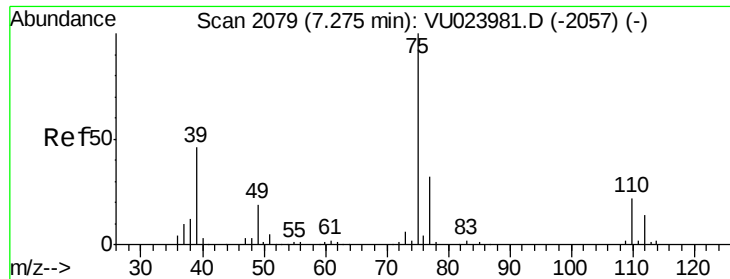
Tgt Ion: 63 Resp: 144492
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.2 4.8



#38
 Bromodichloromethane
 Concen: 51.26 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU024005.D
 Acq: 22 May 2018 10:13

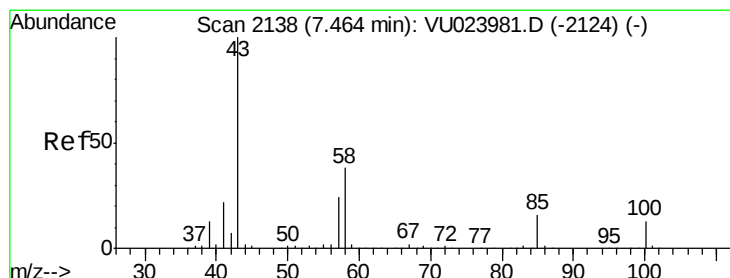
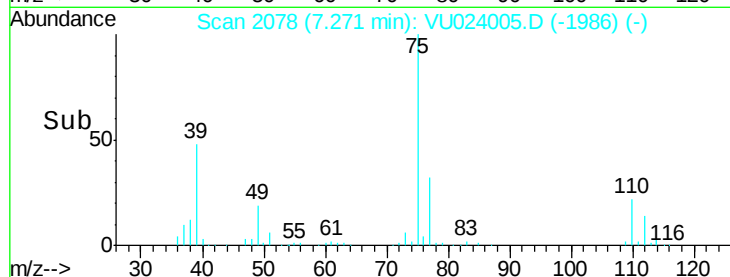
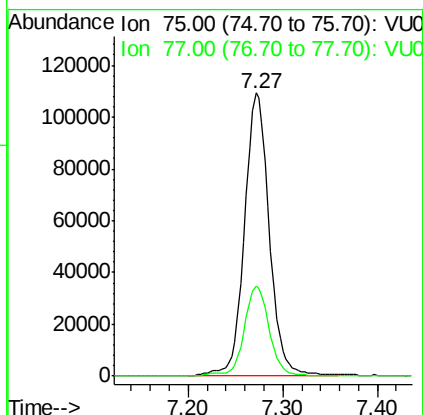
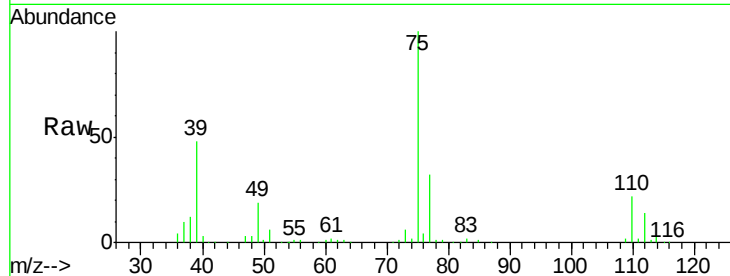
Tgt Ion: 83 Resp: 175418
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.8 85.0
 127 8.3 6.6 10.0





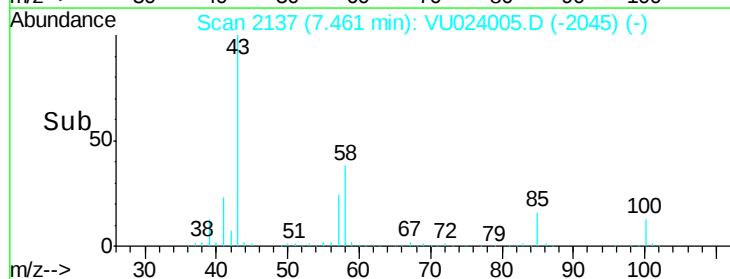
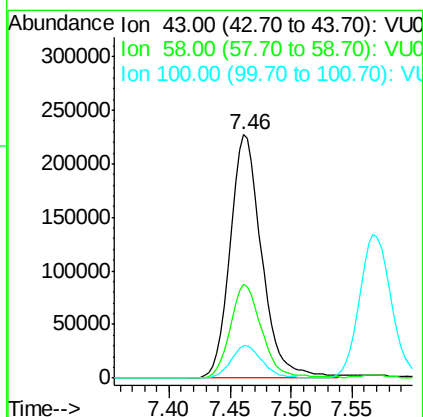
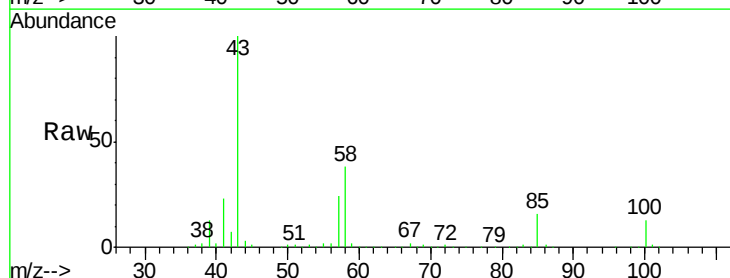
#39
 cis-1,3-Dichloropropene
 Concen: 52.39 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU024005.D
 Acq: 22 May 2018 10:13

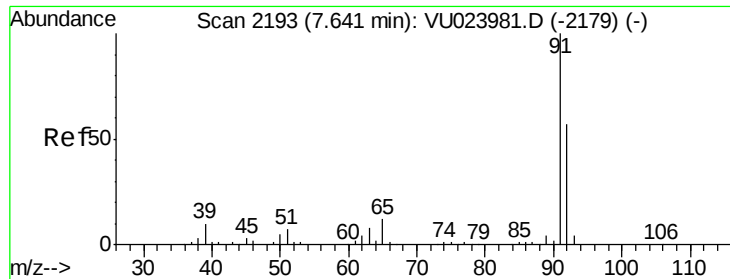
Tgt Ion: 75 Resp: 199690
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 101.06 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024005.D
 Acq: 22 May 2018 10:13

Tgt Ion: 43 Resp: 411119
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.4 47.2
 100 13.3 11.2 16.8





#42

Toluene

Concen: 51.80 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024005.D

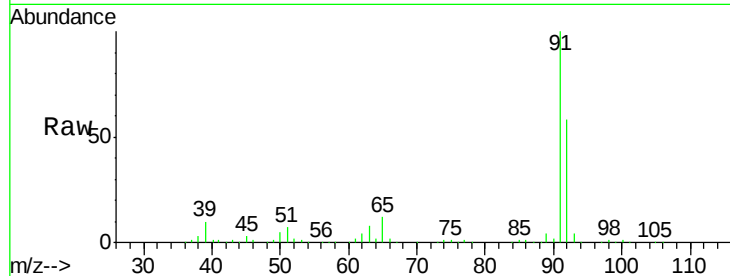
Acq: 22 May 2018 10:13

Tgt Ion: 91 Resp: 526730

Ion Ratio Lower Upper

91 100

92 57.6 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU023981.D (-2179) (-)

Ion 92.00 (91.70 to 92.70): VU023981.D (-2179) (-)

7.64

300000

250000

200000

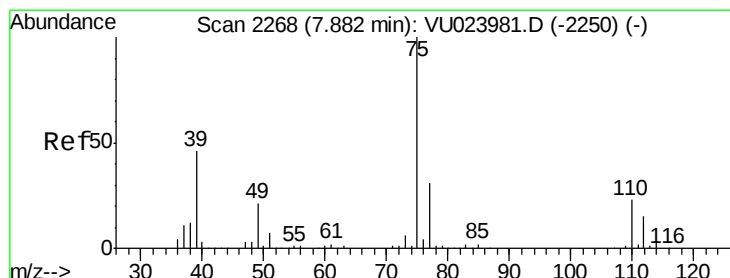
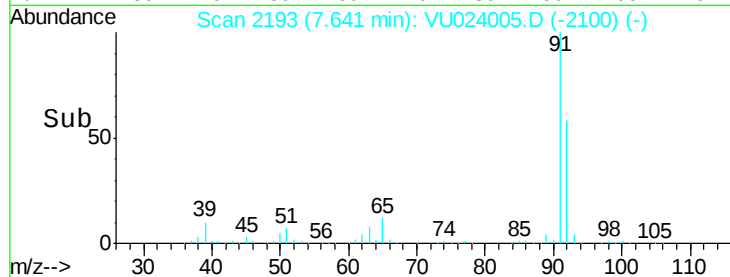
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#44

trans-1,3-Dichloropropene

Concen: 52.43 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024005.D

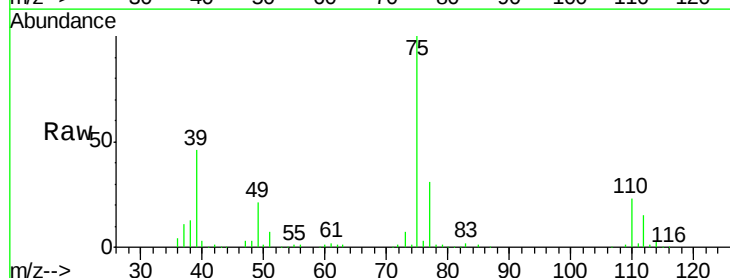
Acq: 22 May 2018 10:13

Tgt Ion: 75 Resp: 184028

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU023981.D (-2250) (-)

Ion 77.00 (76.70 to 77.70): VU023981.D (-2250) (-)

7.88

120000

100000

80000

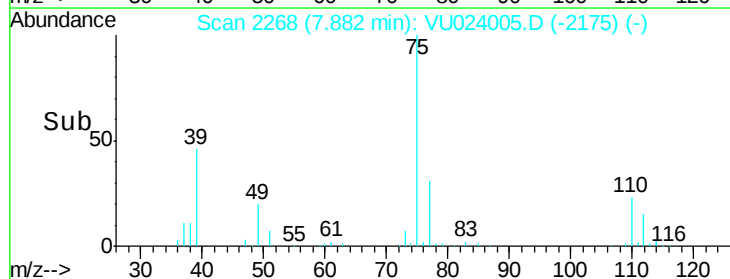
60000

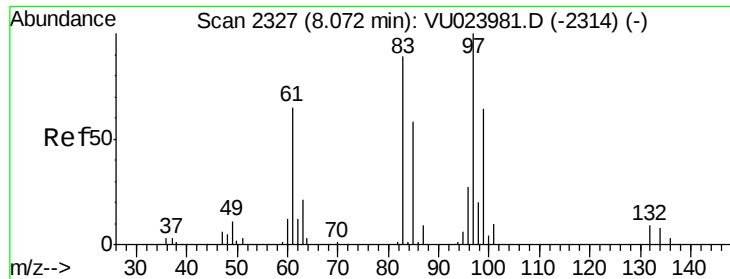
40000

20000

0

Time--> 7.80 7.90 8.00





#45

1,1,2-Trichloroethane

Concen: 49.91 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

Tgt Ion: 97 Resp: 129471

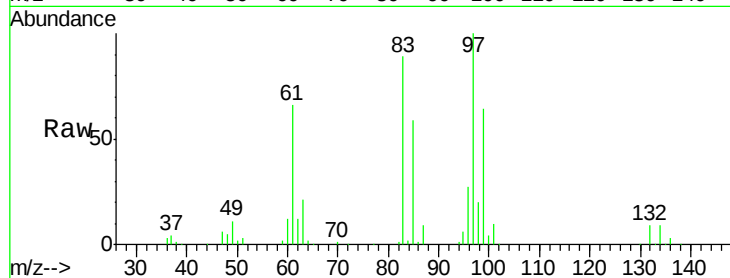
Ion Ratio Lower Upper

97 100

99 63.8 43.3 80.3

83 89.3 61.9 114.9

85 59.2 39.8 74.0

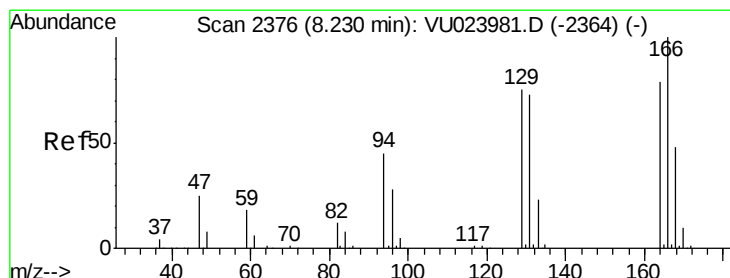
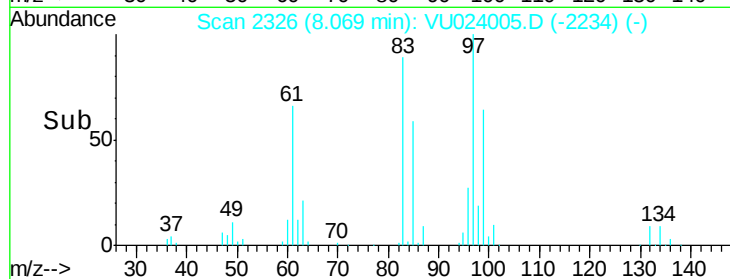
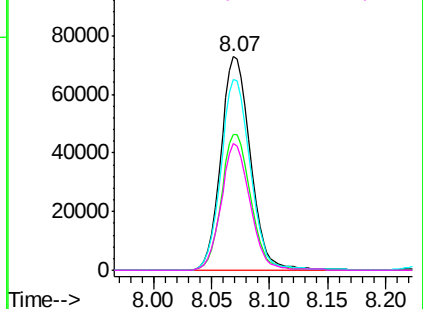


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 48.22 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

Tgt Ion: 164 Resp: 98114

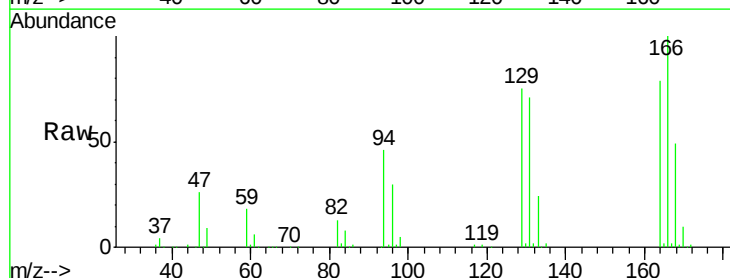
Ion Ratio Lower Upper

164 100

129 95.4 65.3 121.3

131 90.9 63.0 117.0

166 127.3 87.4 162.2

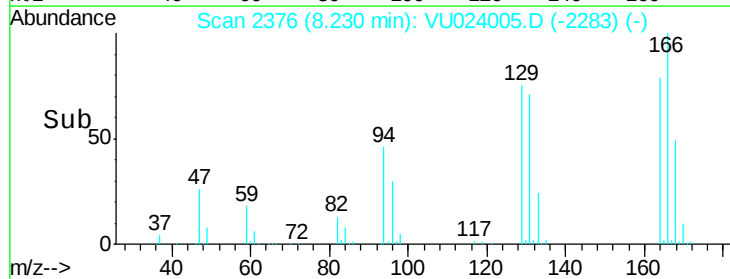
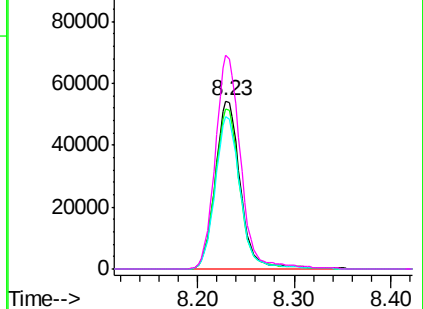


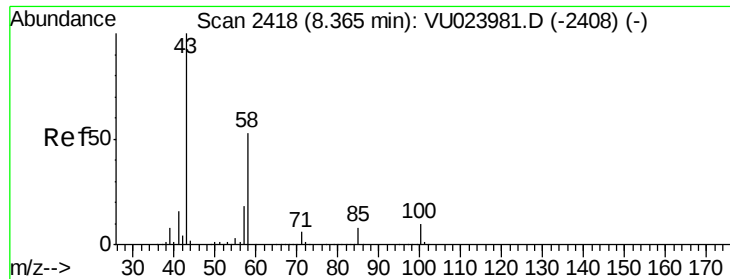
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

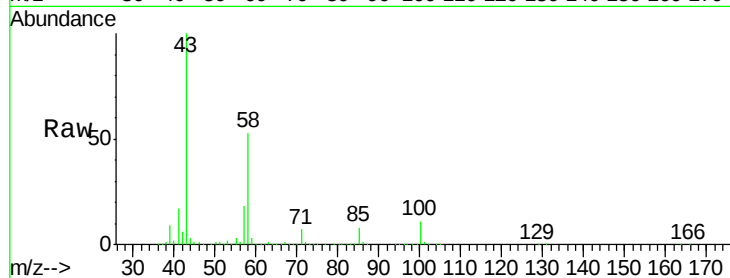
Ion 166.00 (165.70 to 166.70): V



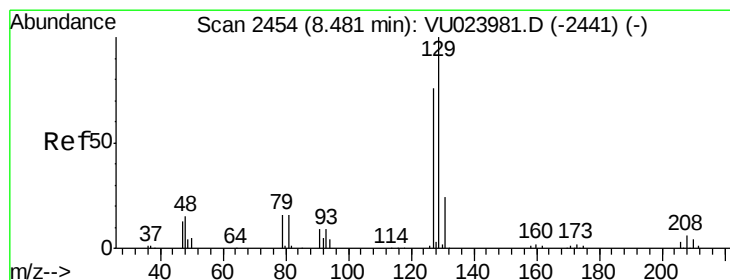
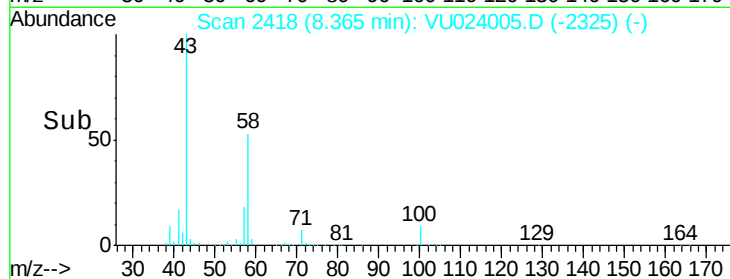
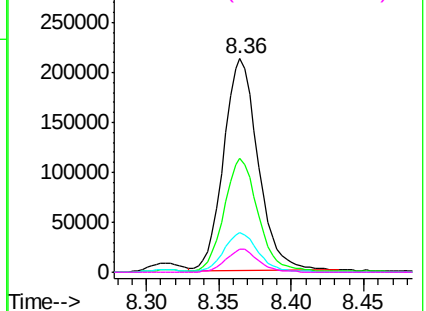


#48
2-Hexanone
Concen: 106.09 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024005.D
Acq: 22 May 2018 10:13

Tgt Ion:	43	Resp:	350490
Ion	Ratio	Lower	Upper
43	100		
58	51.6	42.6	63.8
57	18.7	14.9	22.3
100	10.4	8.5	12.7

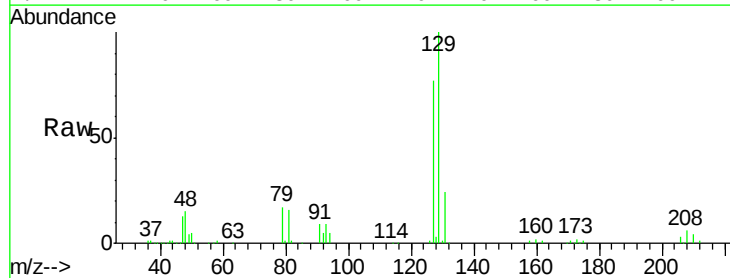


Abundance Ion 43.00 (42.70 to 43.70): VU023981.D (-2408) (-)
Ion 58.00 (57.70 to 58.70): VU023981.D (-2408) (-)
Ion 57.00 (56.70 to 57.70): VU023981.D (-2408) (-)
Ion 100.00 (99.70 to 100.70): VU023981.D (-2408) (-)

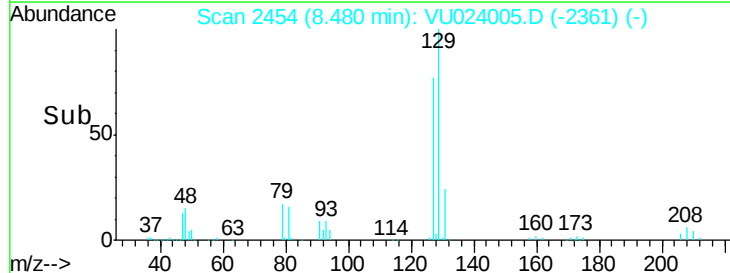
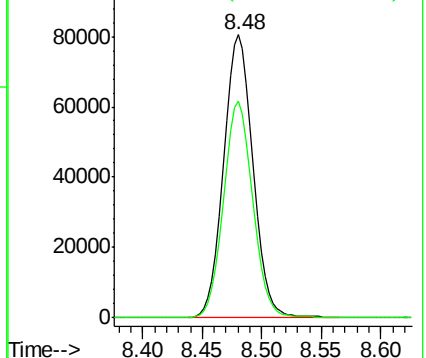


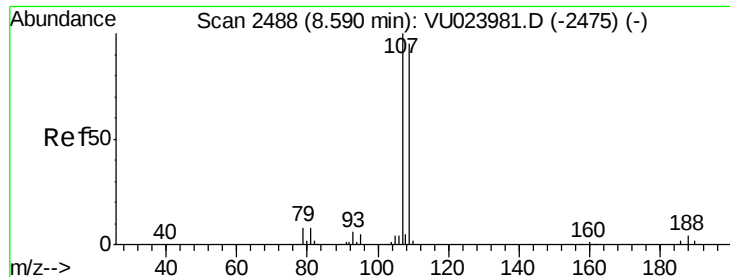
#49
Dibromochloromethane
Concen: 49.98 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024005.D
Acq: 22 May 2018 10:13

Tgt Ion:	129	Resp:	137843
Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.5	99.5



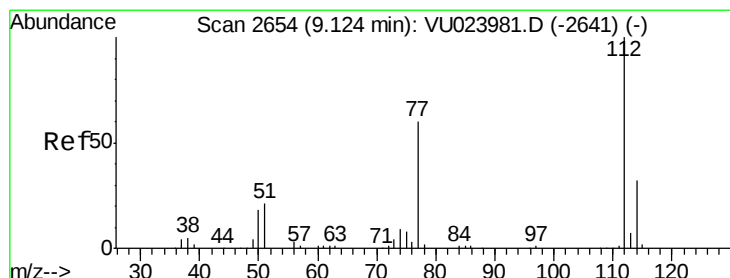
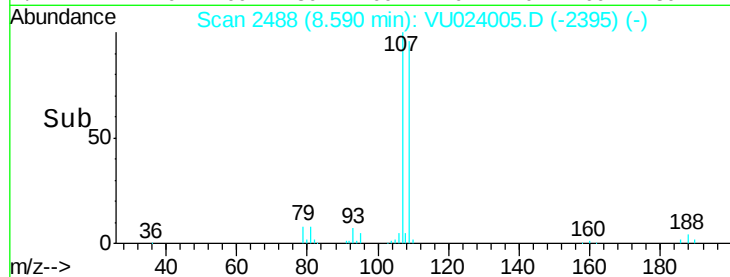
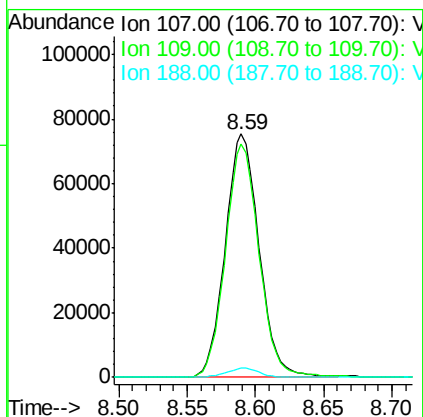
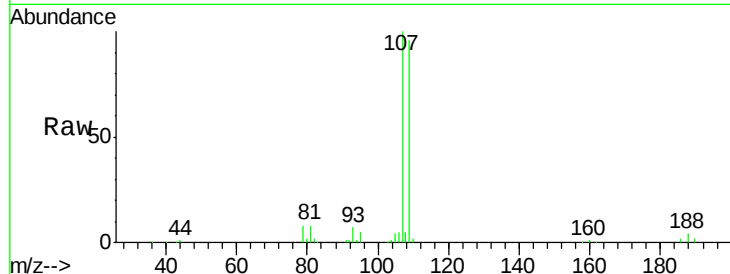
Abundance Ion 129.00 (128.70 to 129.70): VU023981.D (-2441) (-)
Ion 127.00 (126.70 to 127.70): VU023981.D (-2441) (-)





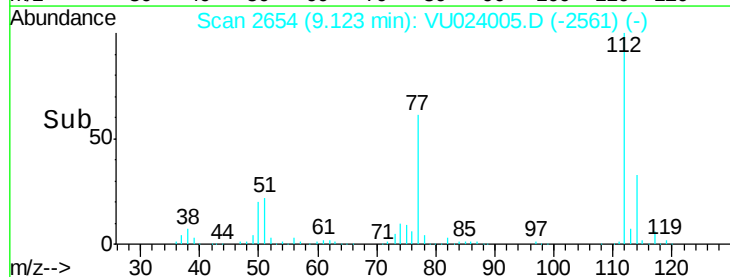
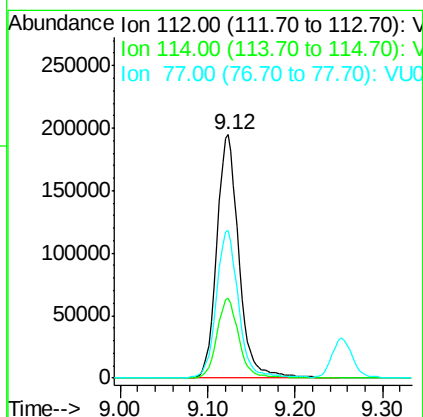
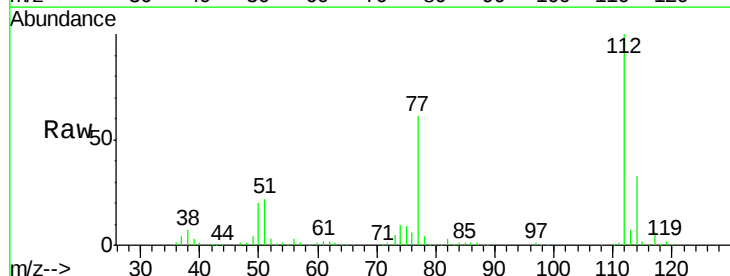
#50
 1,2-Dibromoethane
 Concen: 49.13 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU024005.D
 Acq: 22 May 2018 10:13

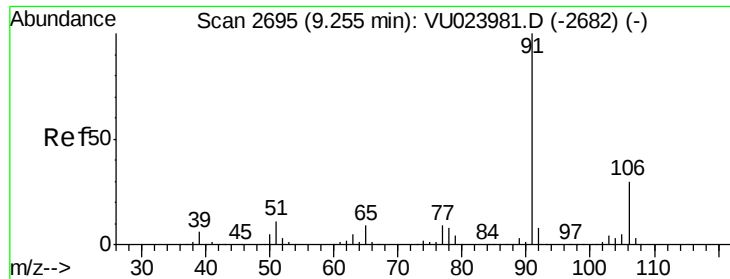
Tgt Ion:	107	Resp:	129972
Ion	Ratio	Lower	Upper
107	100		
109	95.8	66.3	123.1
188	3.9	3.1	4.7



#51
 Chlorobenzene
 Concen: 49.51 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU024005.D
 Acq: 22 May 2018 10:13

Tgt Ion:	112	Resp:	341566
Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.7	42.1
77	60.5	46.7	70.1





#52

Ethylbenzene

Concen: 52.76 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU024005.D

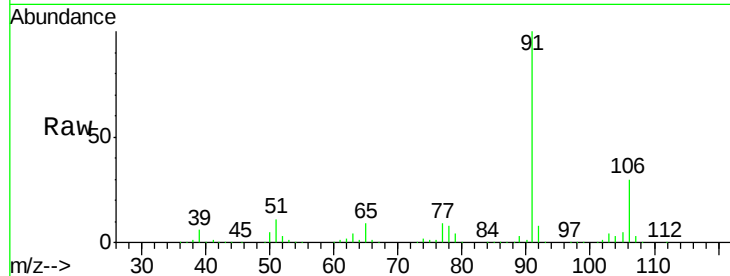
Acq: 22 May 2018 10:13

Tgt Ion: 91 Resp: 578370

Ion Ratio Lower Upper

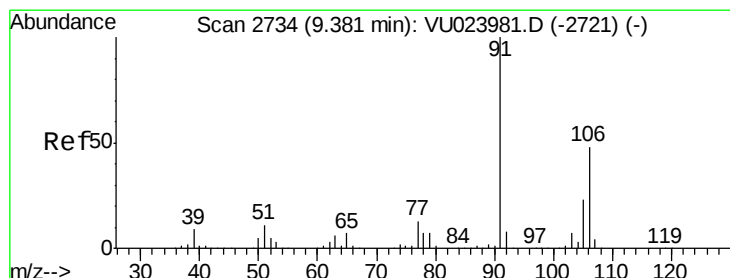
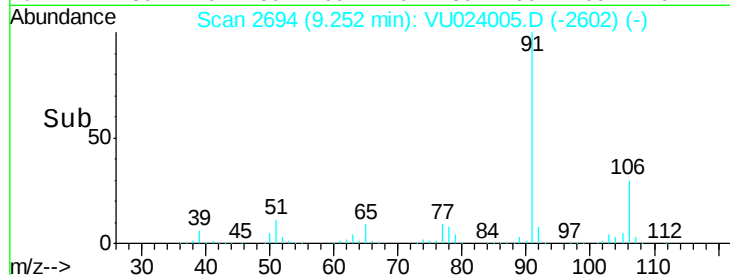
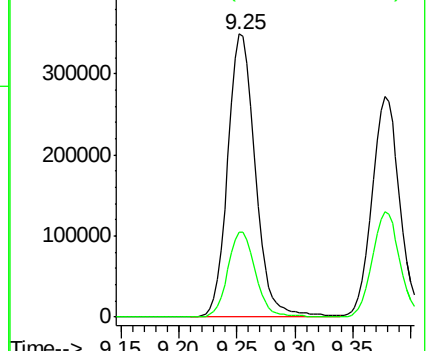
91 100

106 30.1 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 52.51 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024005.D

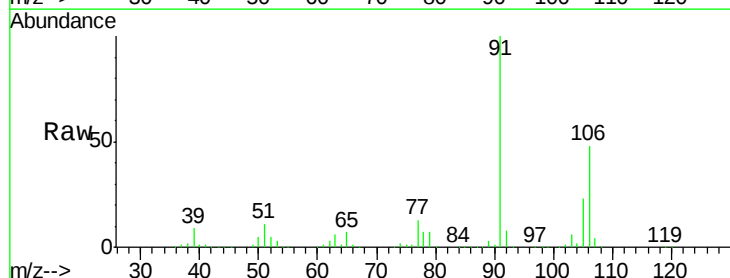
Acq: 22 May 2018 10:13

Tgt Ion: 106 Resp: 218146

Ion Ratio Lower Upper

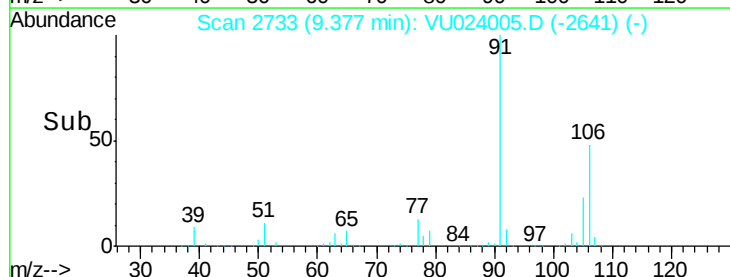
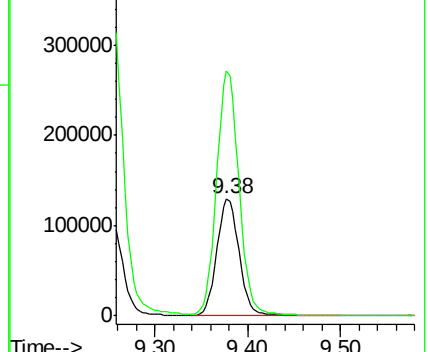
106 100

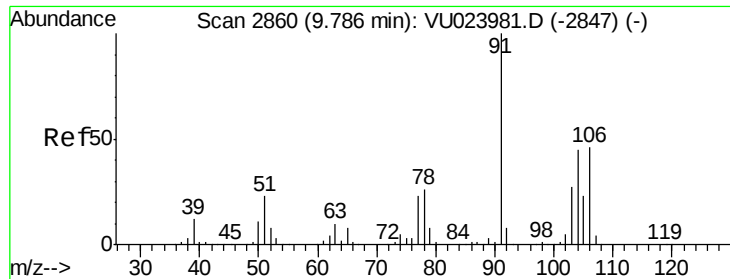
91 209.4 141.8 263.4



Abundance Ion 106.00 (105.70 to 106.70): V

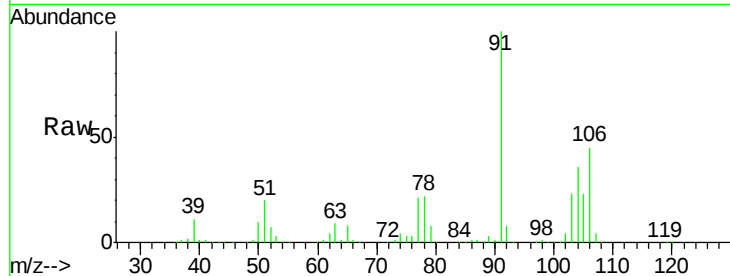
Ion 91.00 (90.70 to 91.70): VU0



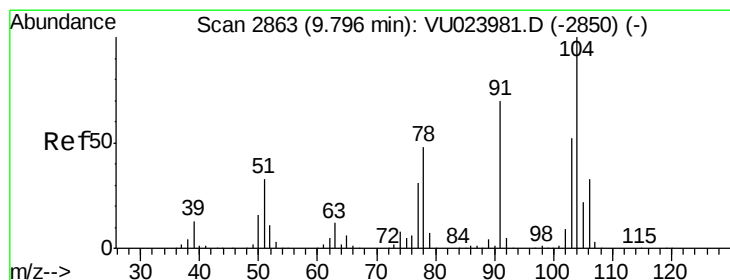
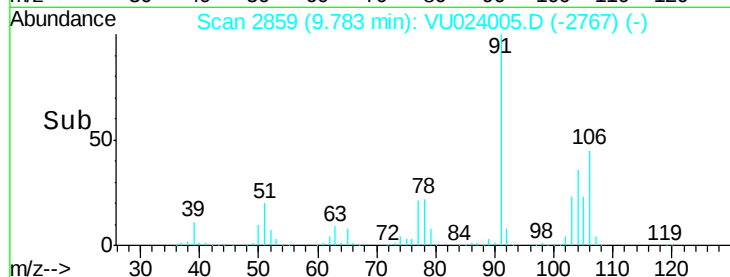
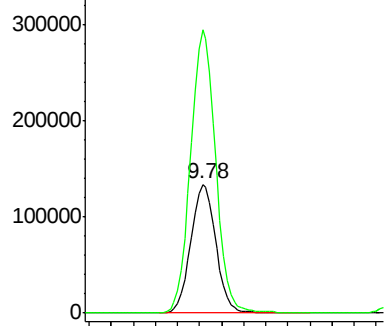


#54
o-xylene
Concen: 52.36 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024005.D
Acq: 22 May 2018 10:13

Tgt Ion:106 Resp: 211348
Ion Ratio Lower Upper
106 100
91 220.2 151.1 280.5

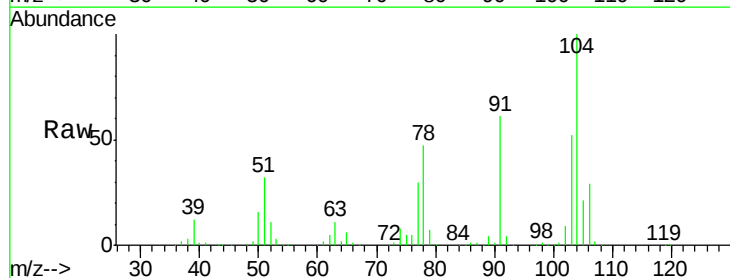


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

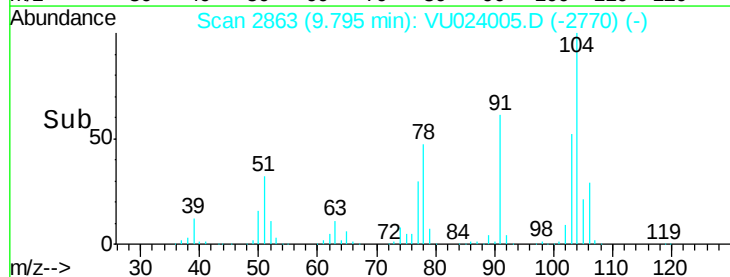
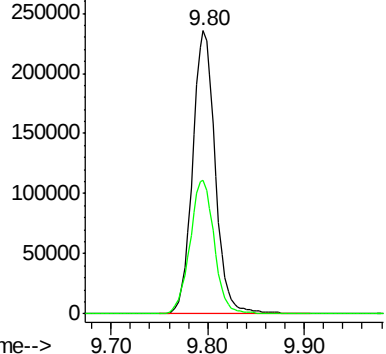


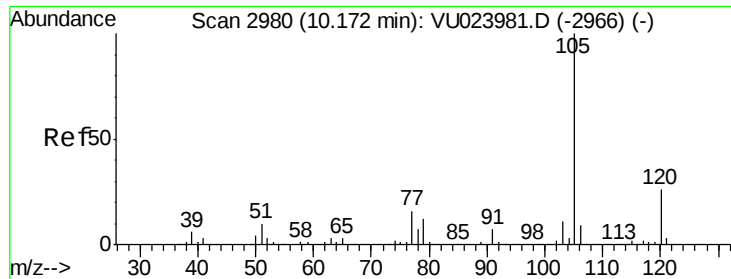
#55
Styrene
Concen: 54.26 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024005.D
Acq: 22 May 2018 10:13

Tgt Ion:104 Resp: 382919
Ion Ratio Lower Upper
104 100
78 47.1 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: 52.47 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

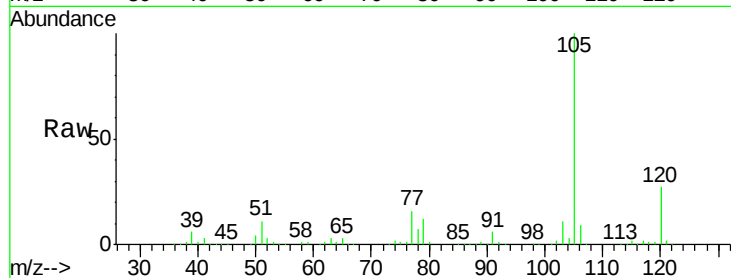
Tgt Ion: 105 Resp: 557068

Ion Ratio Lower Upper

105 100

120 26.7 21.1 31.7

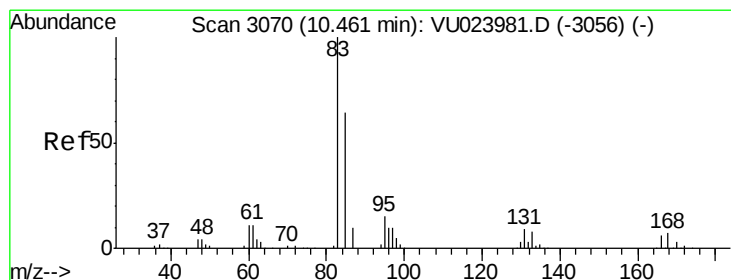
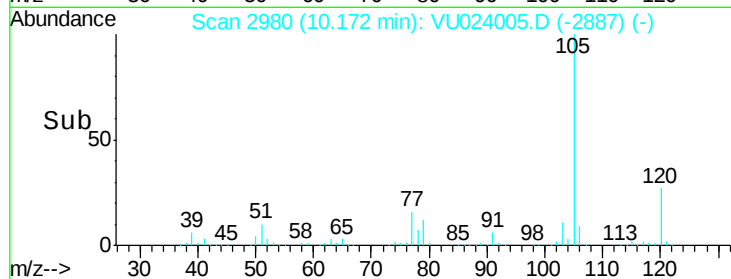
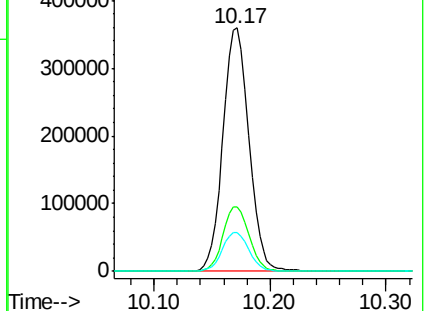
77 16.4 12.6 18.8



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: 48.69 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

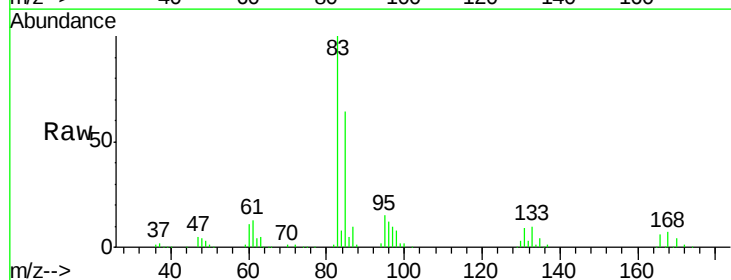
Tgt Ion: 83 Resp: 227294

Ion Ratio Lower Upper

83 100

85 64.1 45.2 84.0

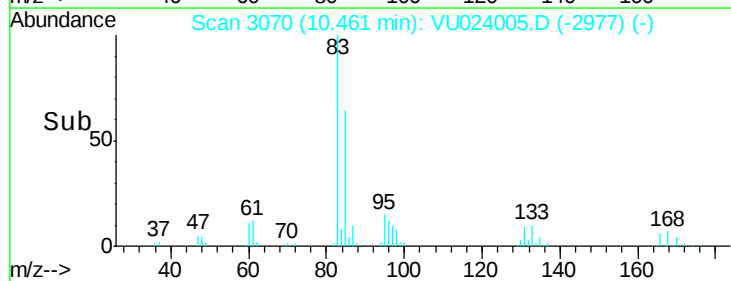
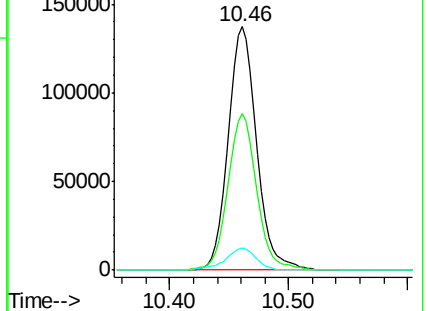
131 9.1 7.9 11.9

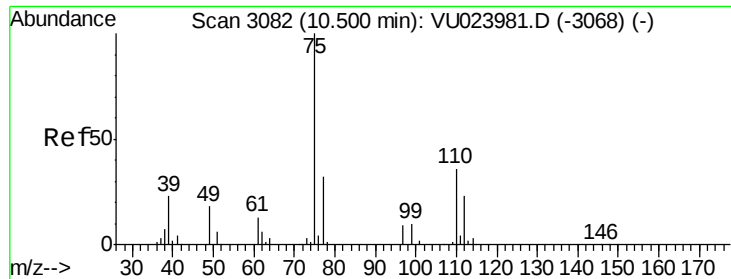


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

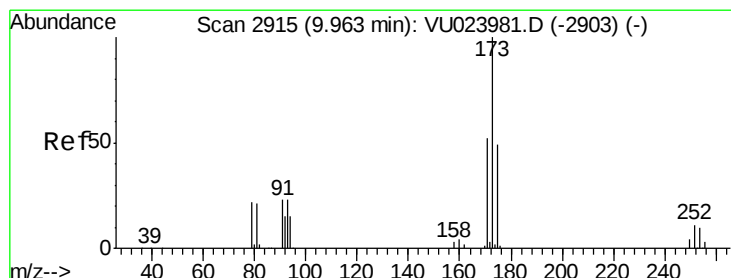
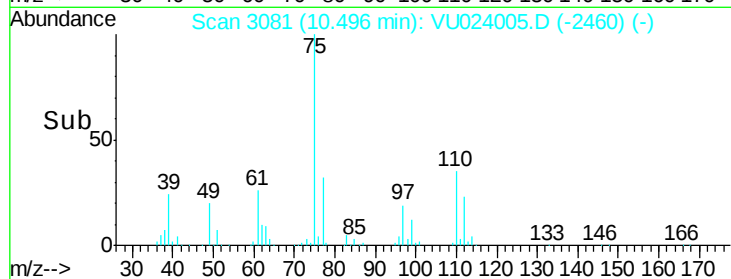
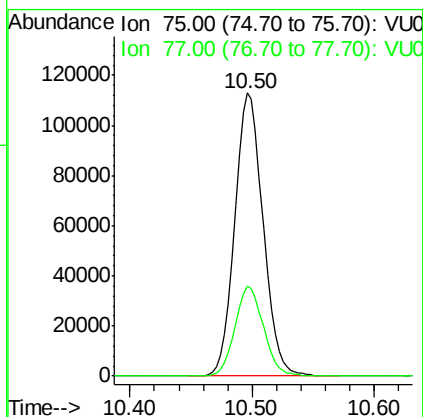
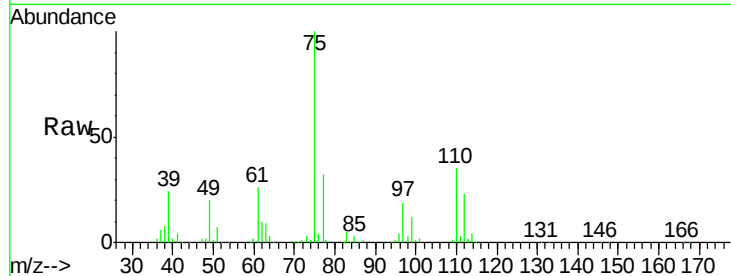
Ion 131.00 (130.70 to 131.70): V





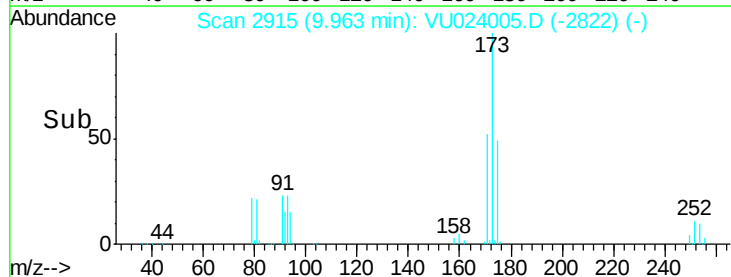
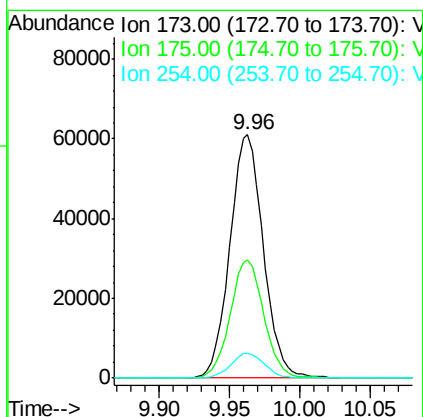
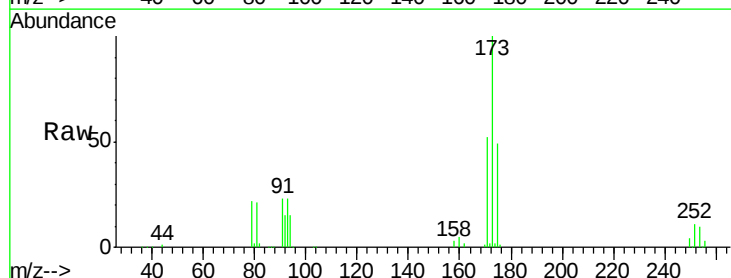
#59
 1,2,3-Trichloropropane
 Concen: 48.37 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU024005.D
 Acq: 22 May 2018 10:13

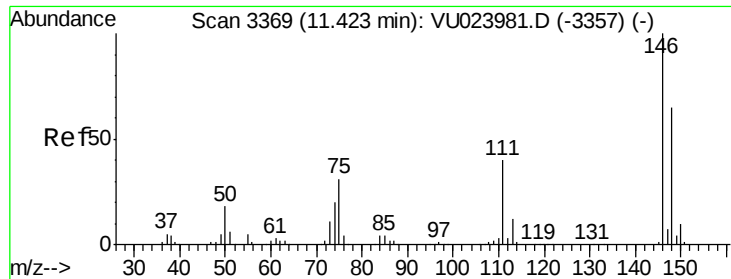
Tgt Ion: 75 Resp: 181263
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.2 39.4



#61
 Bromoform
 Concen: 46.15 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU024005.D
 Acq: 22 May 2018 10:13

Tgt Ion: 173 Resp: 101523
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.7 58.1
 254 10.3 8.9 13.3





#62

1,3-Dichlorobenzene

Concen: 48.73 ug/L

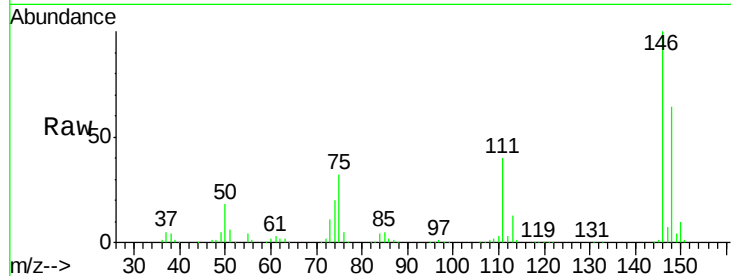
RT: 11.42 min Scan# 3369

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

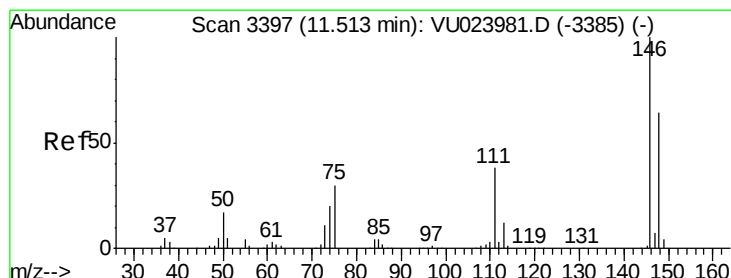
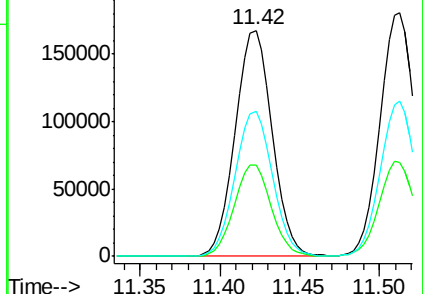
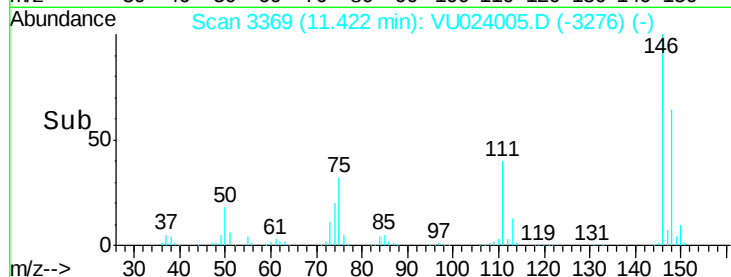
Tgt Ion:	146	Resp:	264232
Ion	Ratio	Lower	Upper
146	100		
111	40.4	27.6	51.4
148	64.0	45.4	84.2



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: 49.05 ug/L

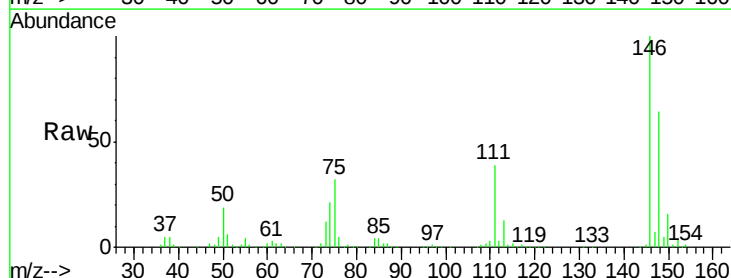
RT: 11.51 min Scan# 3397

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

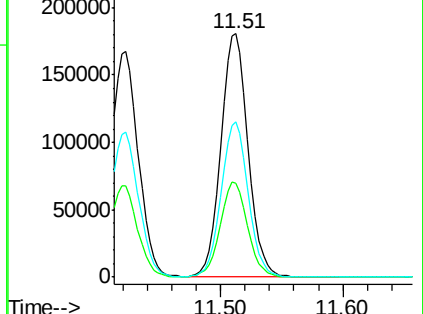
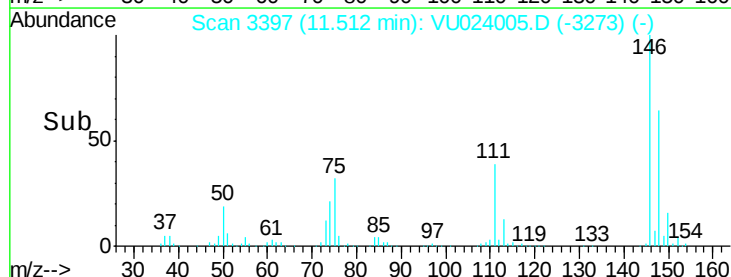
Tgt Ion:	146	Resp:	281832
Ion	Ratio	Lower	Upper
146	100		
111	38.6	27.0	50.2
148	63.6	45.2	84.0

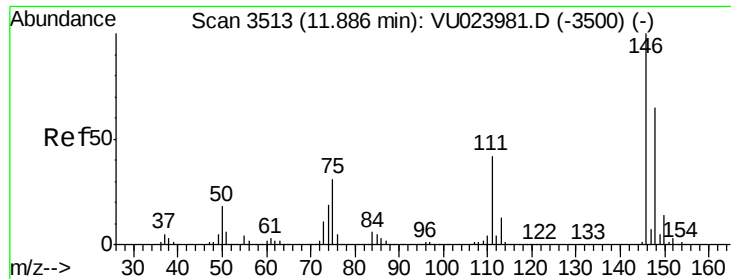


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.77 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

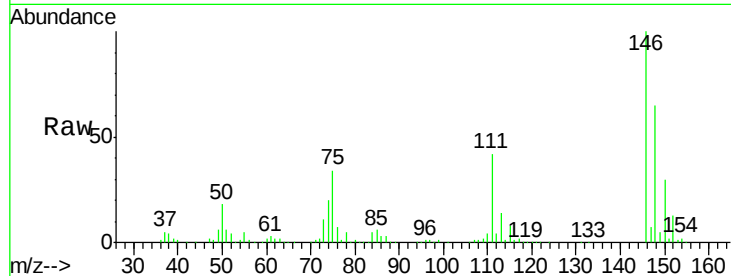
Tgt Ion: 146 Resp: 279355

Ion Ratio Lower Upper

146 100

111 41.6 32.1 48.1

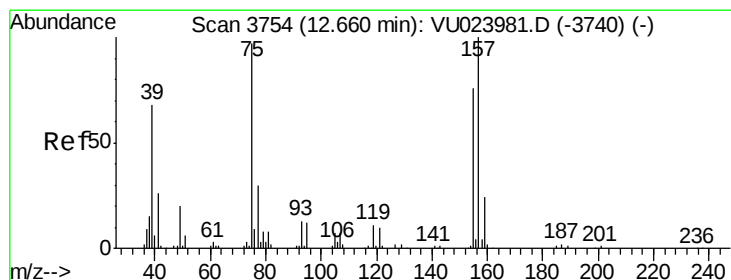
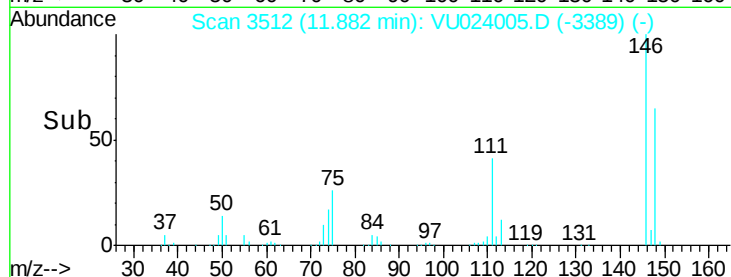
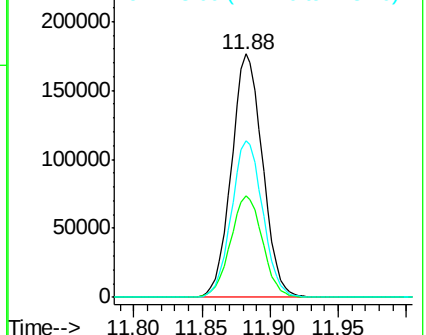
148 64.5 49.8 74.8



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: 47.20 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

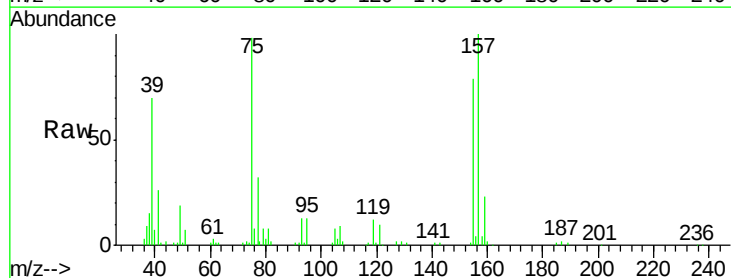
Tgt Ion: 75 Resp: 48689

Ion Ratio Lower Upper

75 100

155 80.2 69.4 104.2

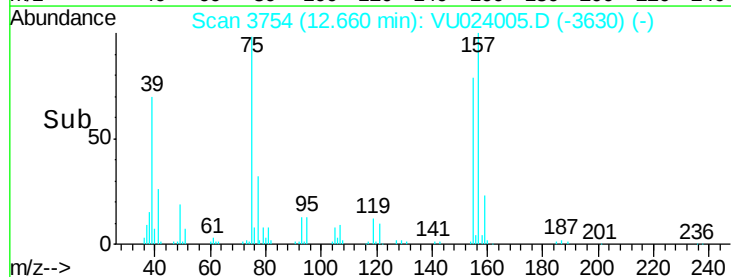
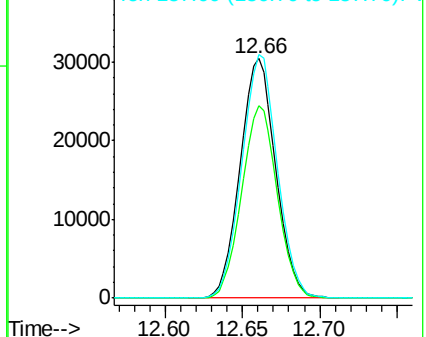
157 101.6 88.4 132.6

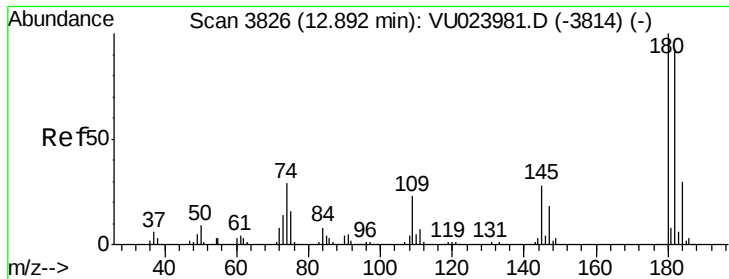


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

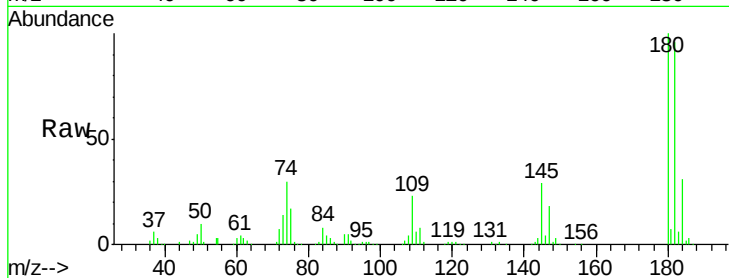
Ion 157.00 (156.70 to 157.70): V



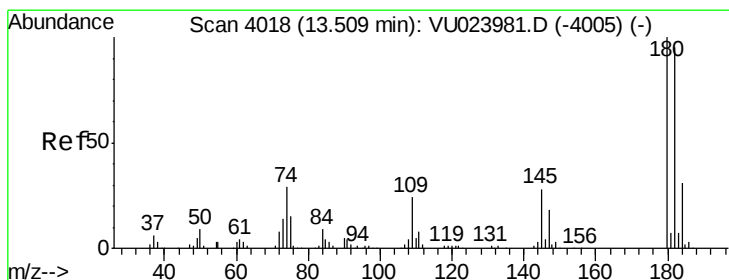
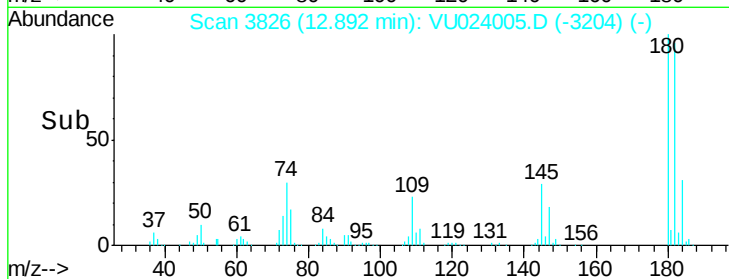
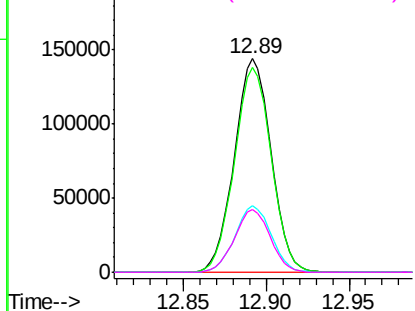


#67
 1,3,5-Trichlorobenzene
 Concen: 49.69 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU024005.D
 Acq: 22 May 2018 10:13

Tgt Ion:	180	Resp:	222792
Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.4	116.2
184	30.5	24.2	36.4
145	28.5	22.5	33.7

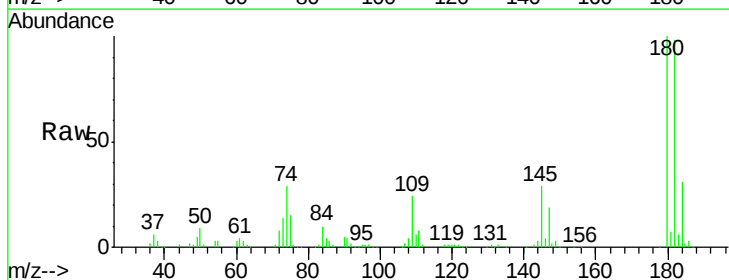


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

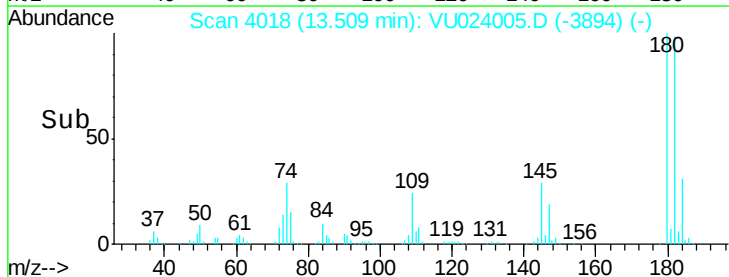
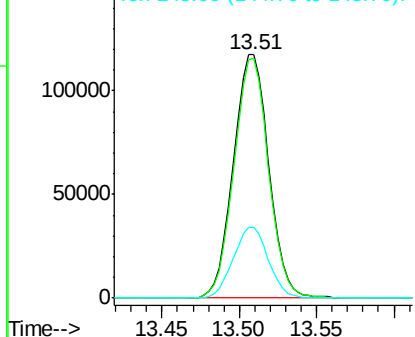


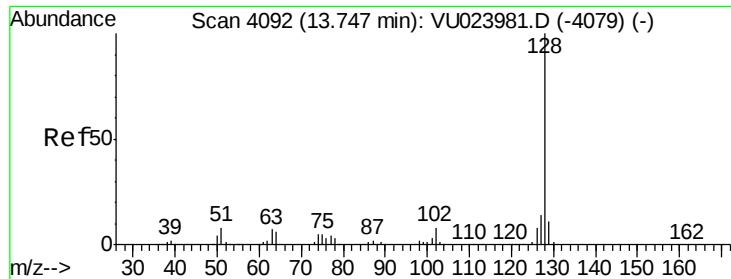
#68
 1,2,4-trichlorobenzene
 Concen: 50.78 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. -0.00 min
 Lab File: VU024005.D
 Acq: 22 May 2018 10:13

Tgt Ion:	180	Resp:	186486
Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.1	114.1
145	29.0	23.0	34.4



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: 52.62 ug/L

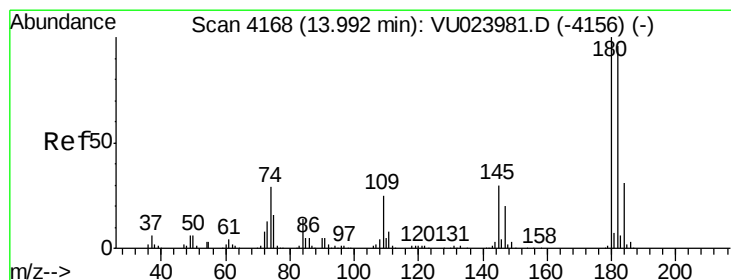
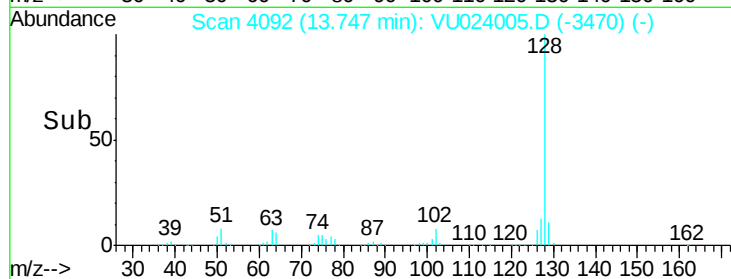
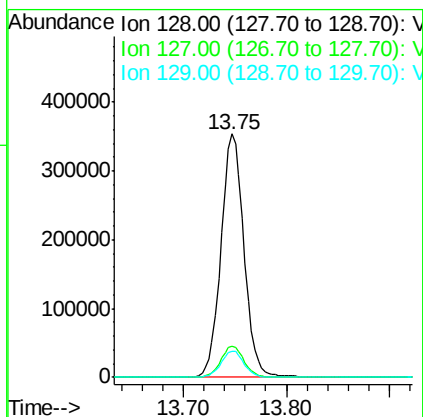
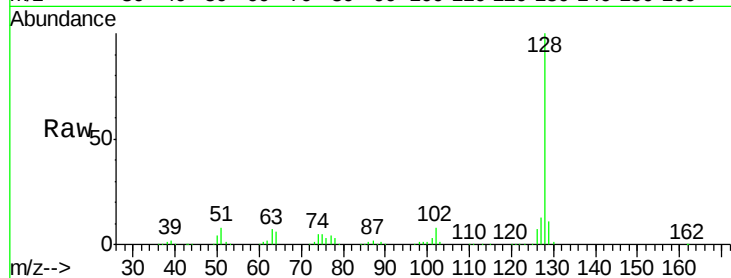
RT: 13.75 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

Tgt Ion:	128	Resp:	550117
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.9	8.6	12.8



#70

1,2,3-Trichlorobenzene

Concen: 51.27 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. -0.00 min

Lab File: VU024005.D

Acq: 22 May 2018 10:13

Tgt Ion:	180	Resp:	201484
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.6	113.4
145	30.9	23.9	35.9

