

Data File : VU033100.D
Acq On : 01 Jul 2019 09:06
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 02 04:15:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 28 02:43:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	183269	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	185579	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	95449	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	45894	36.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.28%
7) Chloroethane-d5	1.67	69	42415	42.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.92%
11) 1,1-Dichloroethene-d2	2.27	63	113550	45.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.00%
21) 2-Butanone-d5	4.17	46	110618	106.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.11%
24) Chloroform-d	4.64	84	122496	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.62%
26) 1,2-Dichloroethane-d4	5.30	65	83557	51.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.04%
32) Benzene-d6	5.33	84	212581	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
36) 1,2-Dichloropropane-d6	6.32	67	73408	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.26%
41) Toluene-d8	7.56	98	198279	43.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.54%
43) trans-1,3-Dichloropropene-	7.84	79	36140	45.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.16%
47) 2-Hexanone-d5	8.31	63	64632	89.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.82%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	117106	49.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	85474	46.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	98524	53.221	ug/L 100
3) Chloromethane	1.33	50	86319	51.446	ug/L 100
5) Vinyl chloride	1.40	62	85582	51.424	ug/L 99
6) Bromomethane	1.62	94	51819	52.914	ug/L 98
8) Chloroethane	1.69	64	52533	54.837	ug/L 97
9) Trichlorofluoromethane	1.88	101	127053	54.416	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	66362	54.188	ug/L 96
12) 1,1-Dichloroethene	2.28	96	58947	51.076	ug/L 87
13) Acetone	2.31	43	159614	110.851	ug/L 97
14) Carbon disulfide	2.47	76	178169	48.788	ug/L 100
15) Methyl Acetate	2.61	43	89078	54.576	ug/L 98
16) Methylene chloride	2.69	84	72011	53.175	ug/L 96
17) trans-1,2-Dichloroethene	2.97	96	63054	50.382	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	213615	53.162	ug/L 98
19) 1,1-Dichloroethane	3.43	63	132391	55.487	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	73038	53.570	ug/L 96
22) 2-Butanone	4.25	43	167307	112.105	ug/L 97

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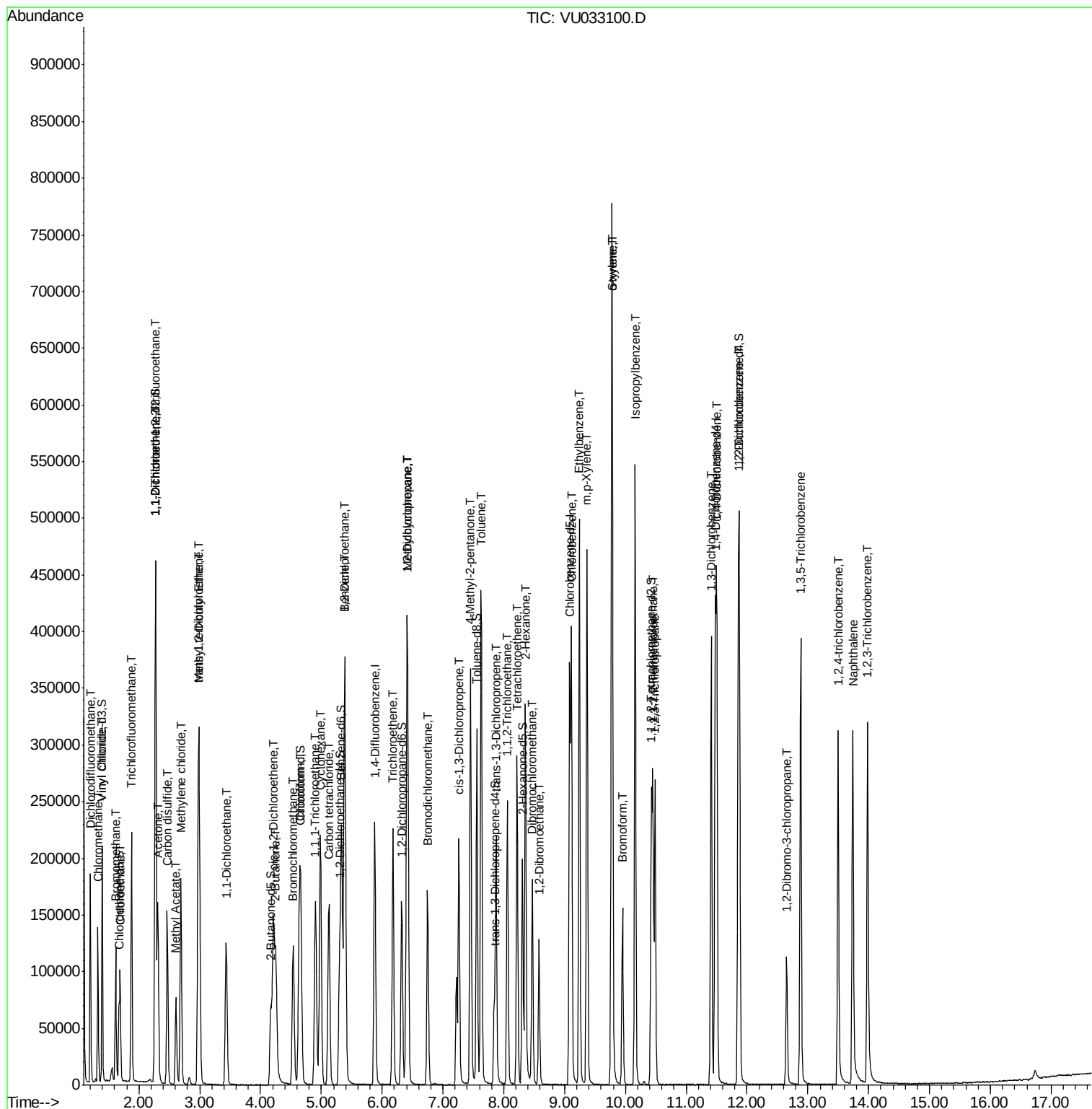
Quant Time: Jul 02 04:15:29 2019
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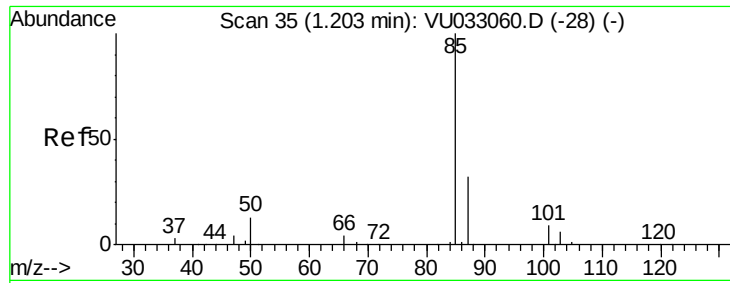
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39572	55.637	ug/L	95
25) Chloroform	4.66	83	138462	56.273	ug/L	99
27) 1,2-Dichloroethane	5.39	62	118186	58.469	ug/L	99
29) Cyclohexane	4.99	56	107444	49.584	ug/L	98
30) 1,1,1-Trichloroethane	4.90	97	122446	54.157	ug/L	99
31) Carbon tetrachloride	5.13	117	110928	53.921	ug/L	99
33) Benzene	5.38	78	278934	52.175	ug/L	100
34) Trichloroethene	6.18	95	74858	52.407	ug/L	99
35) Methylcyclohexane	6.41	83	112478	50.943	ug/L	96
37) 1,2-Dichloropropane	6.42	63	78137	53.283	ug/L	99
38) Bromodichloromethane	6.75	83	107692	54.614	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	115495	50.552	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	246430	105.255	ug/L	97
42) Toluene	7.63	91	307199	53.110	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	114708	53.454	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	72180	52.882	ug/L	99
46) Tetrachloroethene	8.22	164	61156	52.250	ug/L	98
48) 2-Hexanone	8.35	43	213776	103.488	ug/L	100
49) Dibromochloromethane	8.47	129	87687	53.290	ug/L	98
50) 1,2-Dibromoethane	8.58	107	79191	52.243	ug/L	98
51) Chlorobenzene	9.11	112	197065	51.774	ug/L	98
52) Ethylbenzene	9.24	91	335758	52.441	ug/L	100
53) m,p-Xylene	9.37	106	125942	52.136	ug/L	97
54) o-xylene	9.77	106	122840	52.072	ug/L	96
55) Styrene	9.78	104	216404	52.878	ug/L	95
56) Isopropylbenzene	10.16	105	330004	51.908	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	125646	50.872	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	103866	53.073	ug/L	100
61) Bromoform	9.95	173	66558	53.403	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	153784	51.834	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	159745	52.129	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	158636	52.367	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	29013	50.201	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	123498	51.806	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	97544	47.554	ug/L	100
69) Naphthalene	13.74	128	261895	41.526	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	107534	49.521	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 53.221 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033100.D

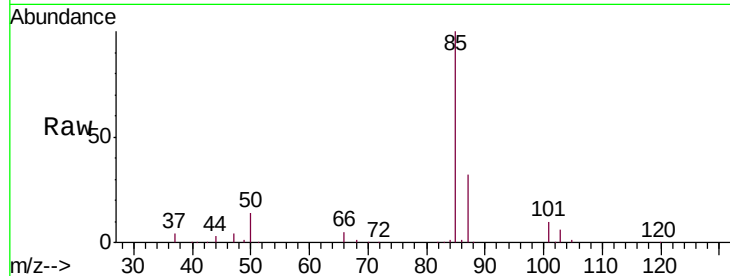
Acq: 01 Jul 2019 09:06

Tgt Ion: 85 Resp: 98524

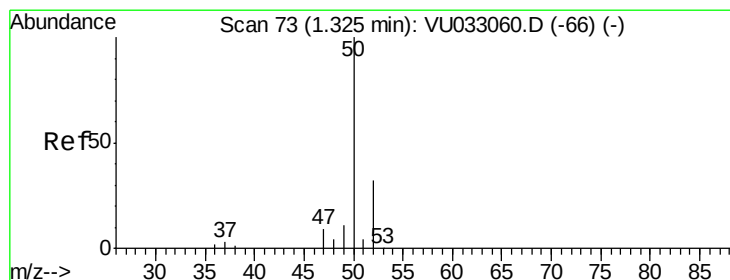
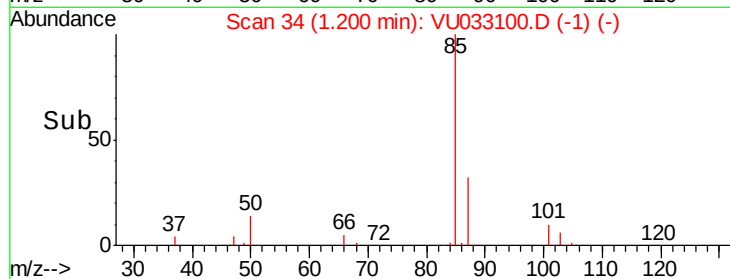
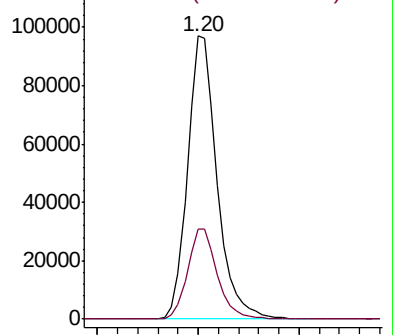
Ion Ratio Lower Upper

85 100

87 32.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU033100.D (-1) (-)



#3

Chloromethane

Concen: 51.446 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033100.D

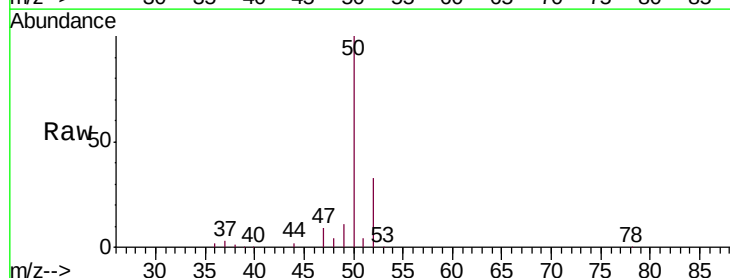
Acq: 01 Jul 2019 09:06

Tgt Ion: 50 Resp: 86319

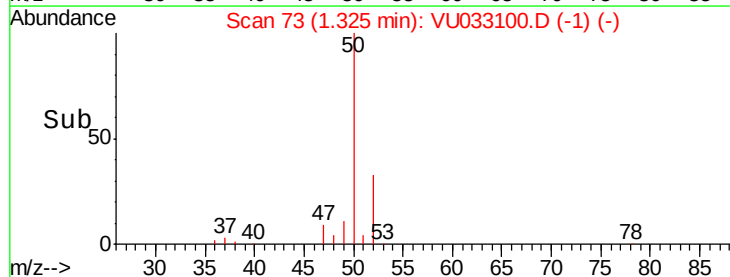
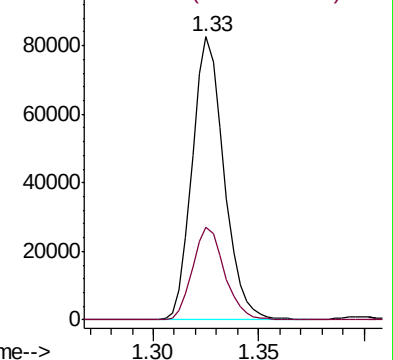
Ion Ratio Lower Upper

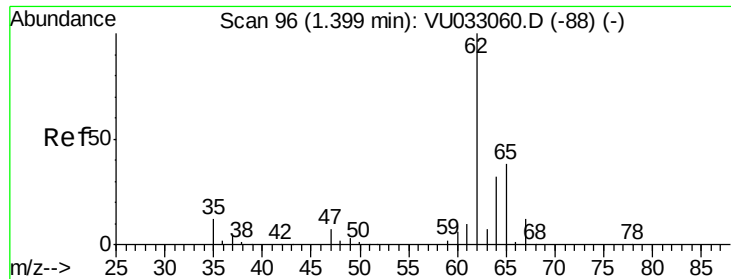
50 100

52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU033100.D (-1) (-)





#5

Vinyl chloride

Concen: 51.424 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033100.D

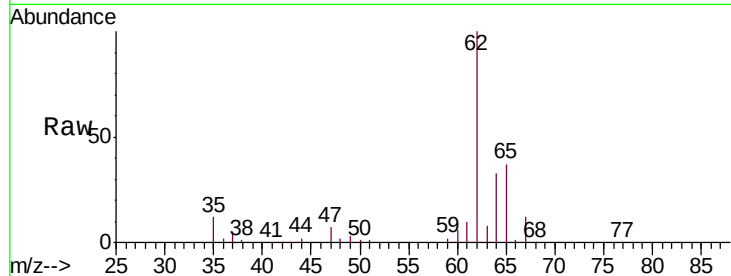
Acq: 01 Jul 2019 09:06

Tgt Ion: 62 Resp: 85582

Ion Ratio Lower Upper

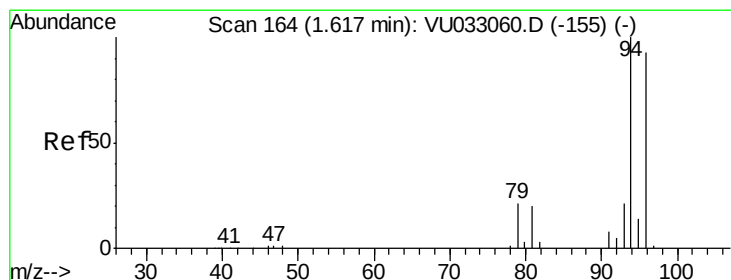
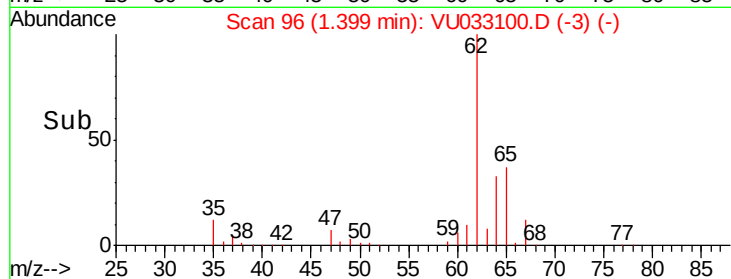
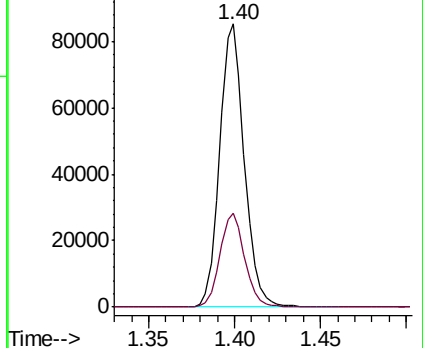
62 100

64 33.4 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU033100.D (-3) (-)

Ion 64.00 (63.70 to 64.70): VU033100.D (-3) (-)



#6

Bromomethane

Concen: 52.914 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU033100.D

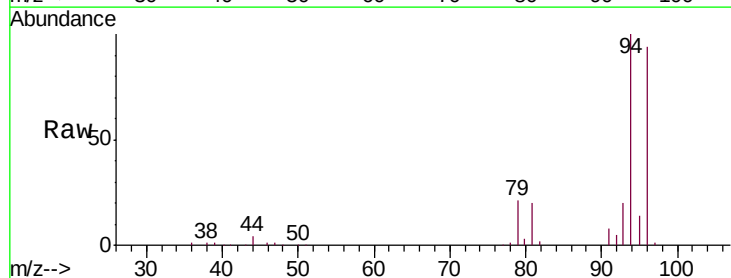
Acq: 01 Jul 2019 09:06

Tgt Ion: 94 Resp: 51819

Ion Ratio Lower Upper

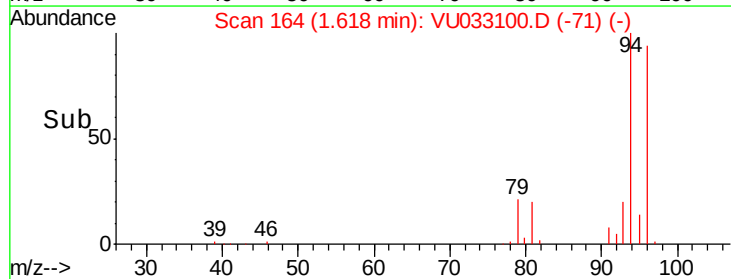
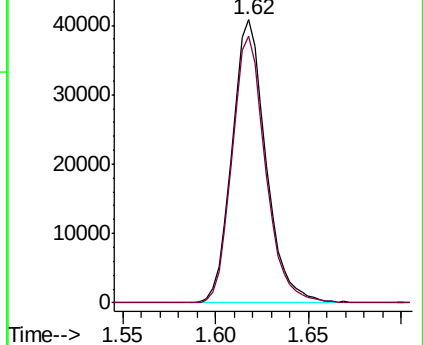
94 100

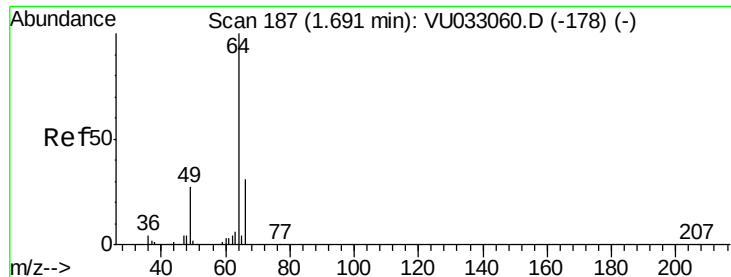
96 94.2 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU033100.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU033100.D (-71) (-)





#8

Chloroethane

Concen: 54.837 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033100.D

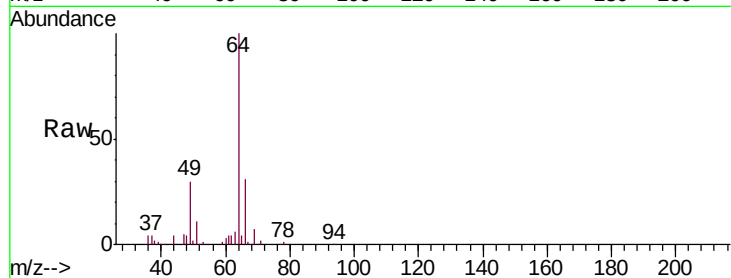
Acq: 01 Jul 2019 09:06

Tgt Ion: 64 Resp: 52533

Ion Ratio Lower Upper

64 100

66 30.6 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU033100.D (-121) (-)

Ion 66.00 (65.70 to 66.70): VU033100.D (-121) (-)

1.69

40000

30000

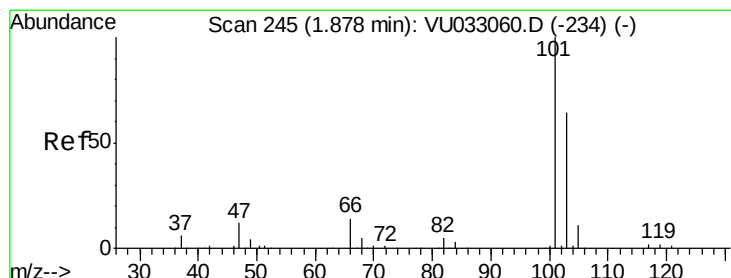
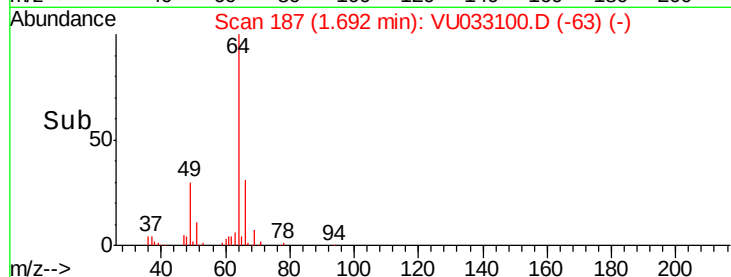
20000

10000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 54.416 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU033100.D

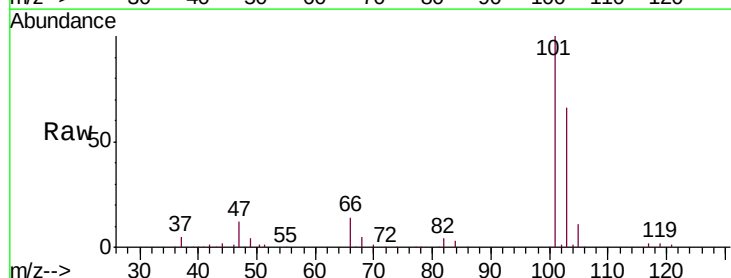
Acq: 01 Jul 2019 09:06

Tgt Ion: 101 Resp: 127053

Ion Ratio Lower Upper

101 100

103 65.5 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU033100.D (-121) (-)

Ion 103.00 (102.70 to 103.70): VU033100.D (-121) (-)

1.88

100000

80000

60000

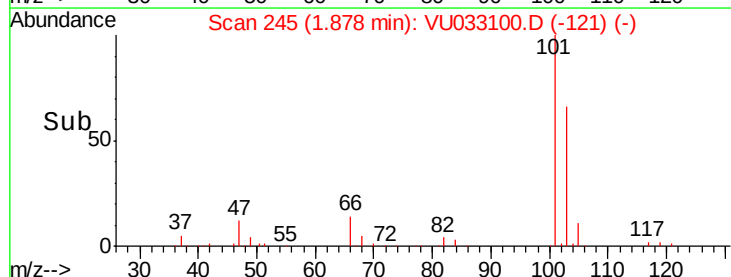
40000

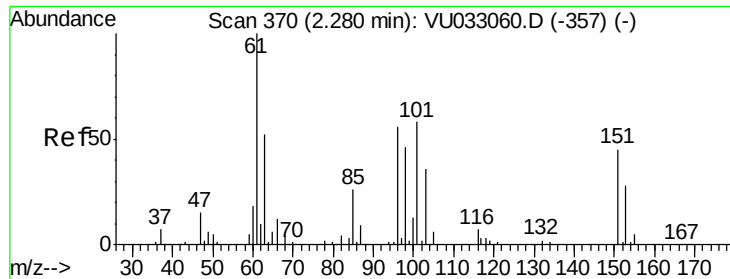
20000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 54.188 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU033100.D

Acq: 01 Jul 2019 09:06

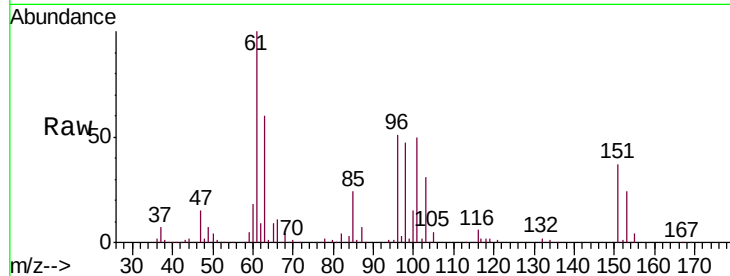
Tgt Ion: 101 Resp: 66362

Ion Ratio Lower Upper

101 100

85 48.4 36.8 55.2

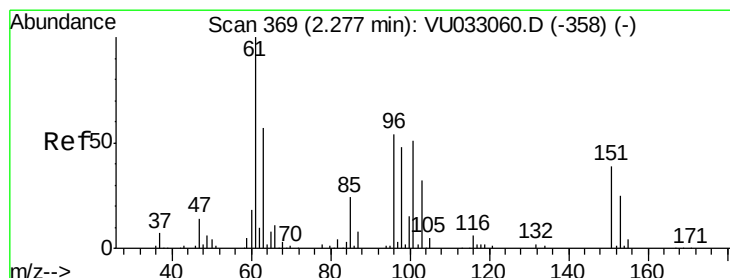
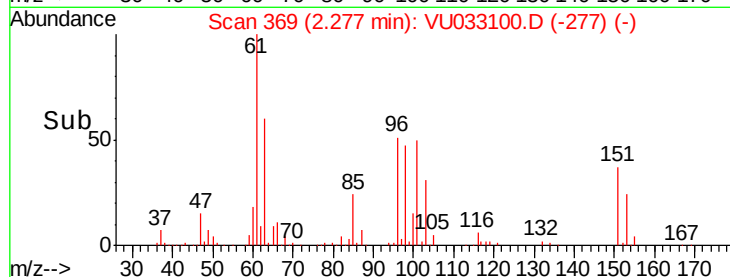
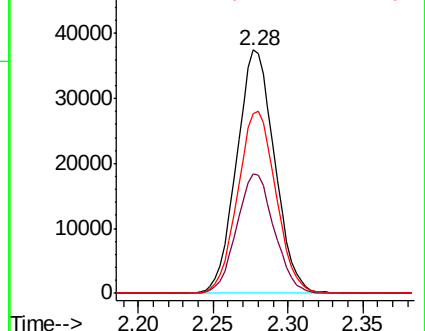
151 75.2 63.6 95.4



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: 51.076 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU033100.D

Acq: 01 Jul 2019 09:06

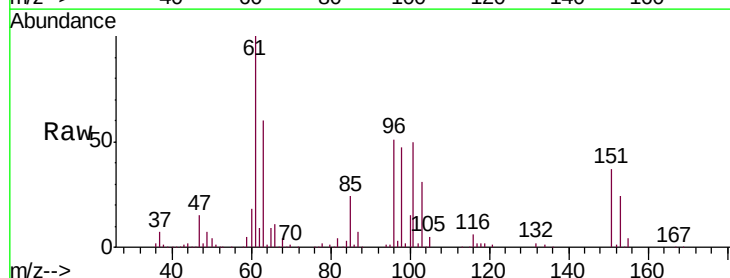
Tgt Ion: 96 Resp: 58947

Ion Ratio Lower Upper

96 100

61 195.7 131.0 243.4

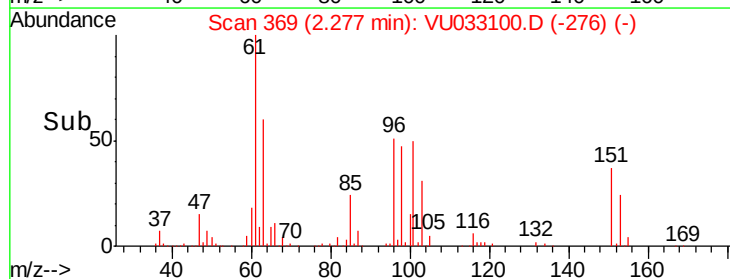
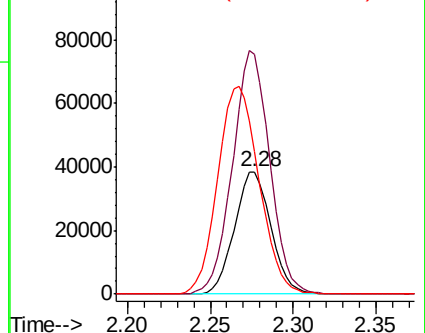
63 116.9 101.0 187.6

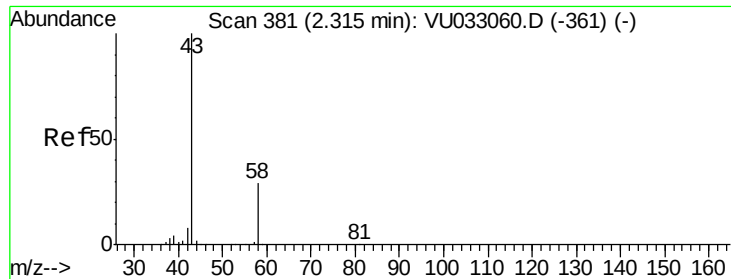


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 110.851 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VU033100.D

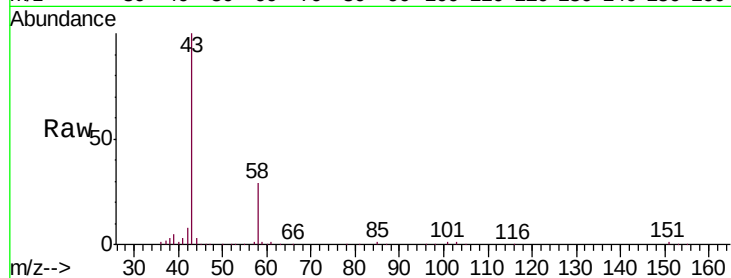
Acq: 01 Jul 2019 09:06

Tgt Ion: 43 Resp: 159614

Ion Ratio Lower Upper

43 100

58 28.4 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU033060.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU033060.D (-361) (-)

2.31

100000

80000

60000

40000

20000

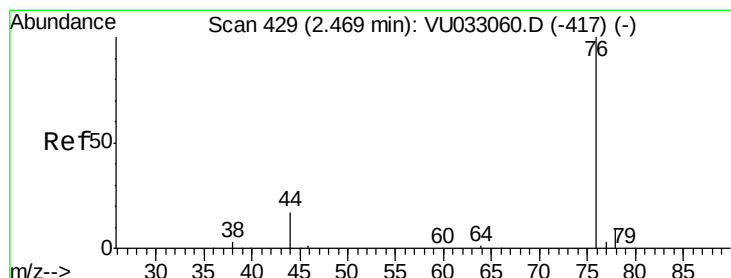
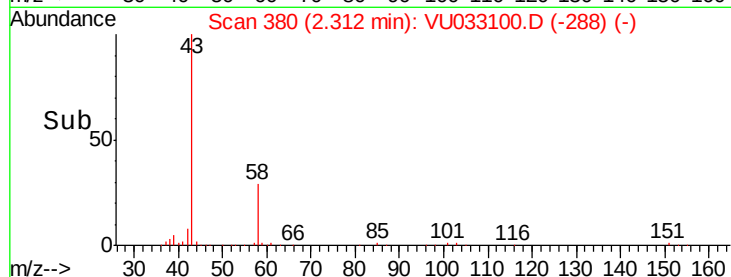
0

Time-->

2.20

2.30

2.40



#14

Carbon disulfide

Concen: 48.788 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VU033100.D

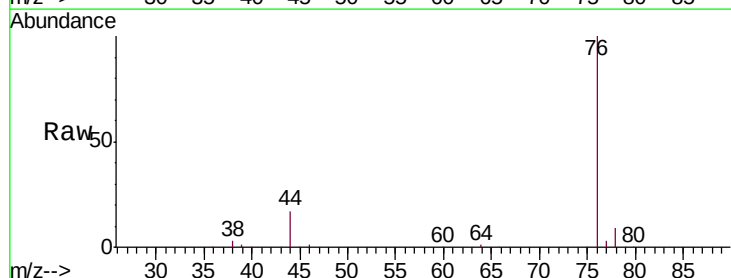
Acq: 01 Jul 2019 09:06

Tgt Ion: 76 Resp: 178169

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU033060.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU033060.D (-417) (-)

2.47

120000

100000

80000

60000

40000

20000

0

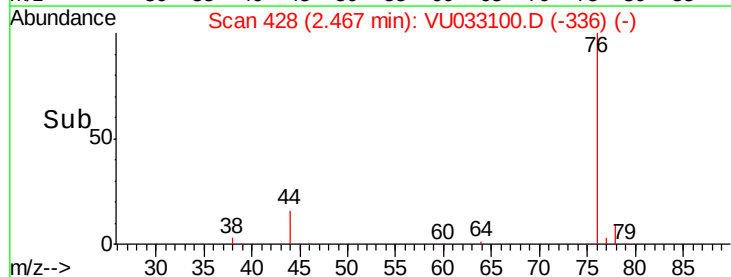
Time-->

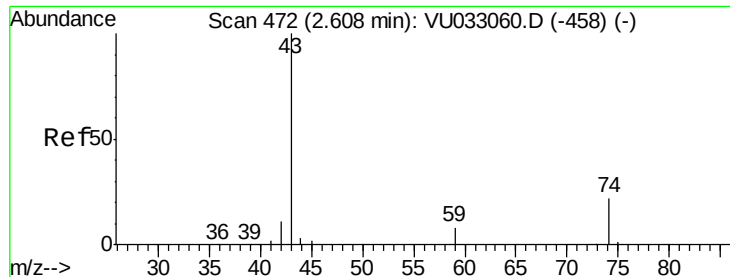
2.40

2.45

2.50

2.55





#15

Methyl Acetate

Concen: 54.576 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.00 min

Lab File: VU033100.D

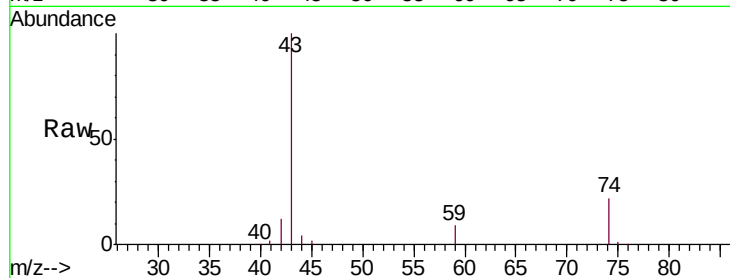
Acq: 01 Jul 2019 09:06

Tgt Ion: 43 Resp: 89078

Ion Ratio Lower Upper

43 100

74 21.8 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VU033100.D (-379) (-)

Ion 74.00 (73.70 to 74.70): VU033100.D (-379) (-)

60000

50000

40000

30000

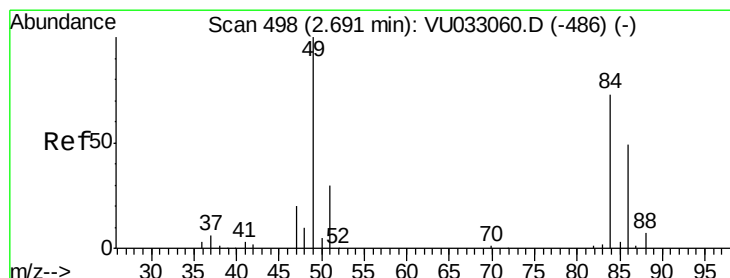
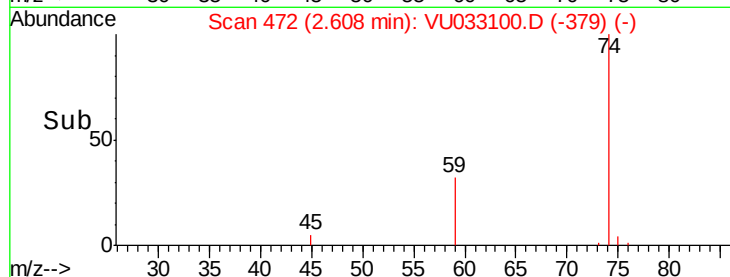
20000

10000

0

2.55 2.60 2.65 2.70

Time-->



#16

Methylene chloride

Concen: 53.175 ug/L

RT: 2.69 min Scan# 498

Delta R.T. 0.00 min

Lab File: VU033100.D

Acq: 01 Jul 2019 09:06

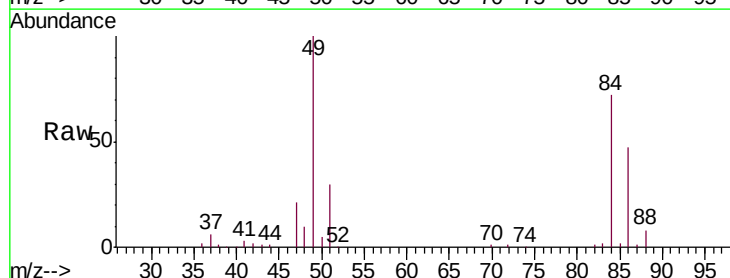
Tgt Ion: 84 Resp: 72011

Ion Ratio Lower Upper

84 100

86 64.3 45.5 84.5

49 138.0 92.1 171.1



Abundance Ion 84.00 (83.70 to 84.70): VU033100.D (-405) (-)

Ion 86.00 (85.70 to 86.70): VU033100.D (-405) (-)

Ion 49.00 (48.70 to 49.70): VU033100.D (-405) (-)

80000

60000

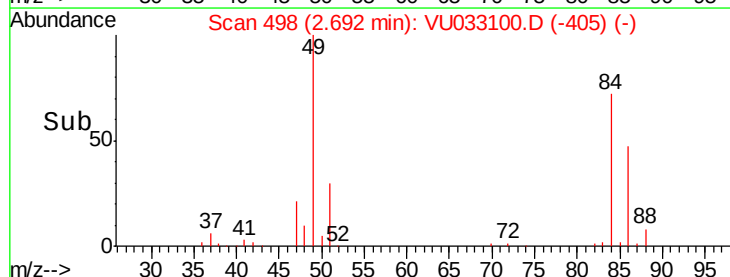
40000

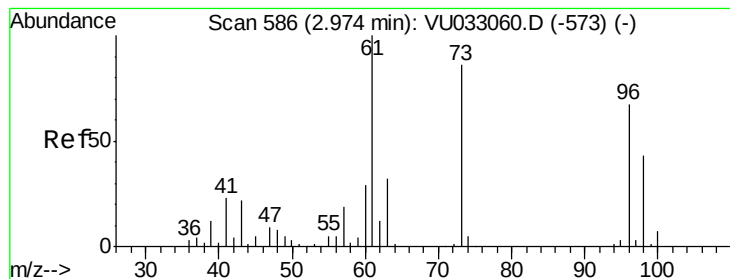
20000

0

2.65 2.70 2.75

Time-->





#17

trans-1,2-Dichloroethene

Concen: 50.382 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU033100.D

Acq: 01 Jul 2019 09:06

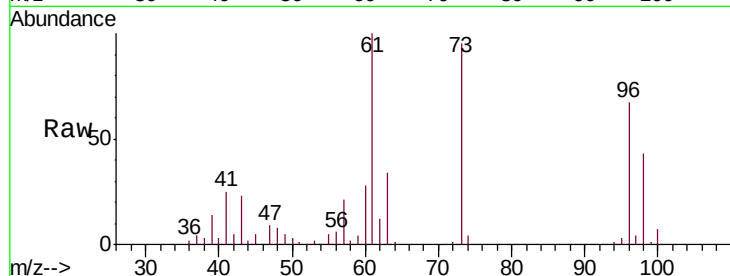
Tgt Ion: 96 Resp: 63054

Ion Ratio Lower Upper

96 100

61 149.2 100.9 187.5

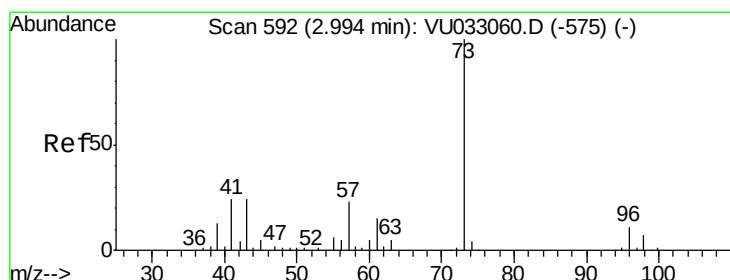
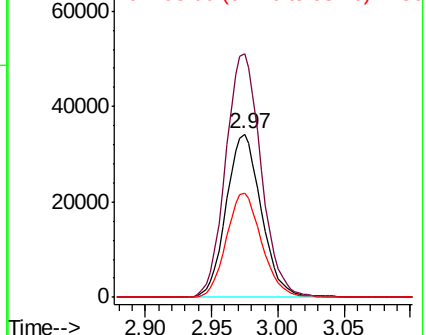
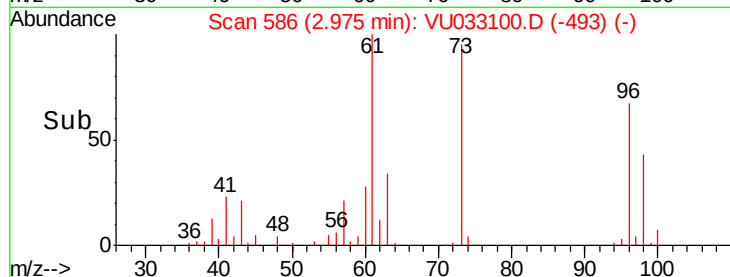
98 64.1 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU033100.D (-493) (-)

Ion 61.00 (60.70 to 61.70): VU033100.D (-493) (-)

Ion 98.00 (97.70 to 98.70): VU033100.D (-493) (-)



#18

Methyl tert-butyl Ether

Concen: 53.162 ug/L

RT: 2.99 min Scan# 591

Delta R.T. -0.00 min

Lab File: VU033100.D

Acq: 01 Jul 2019 09:06

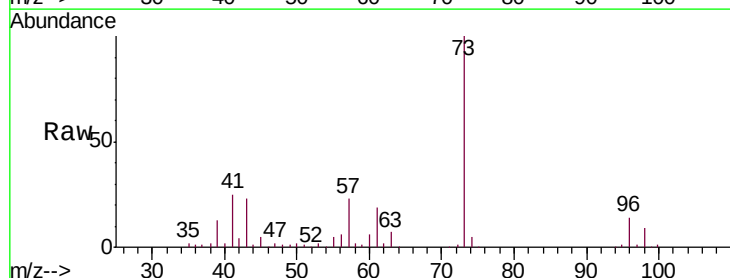
Tgt Ion: 73 Resp: 213615

Ion Ratio Lower Upper

73 100

43 23.3 17.8 26.8

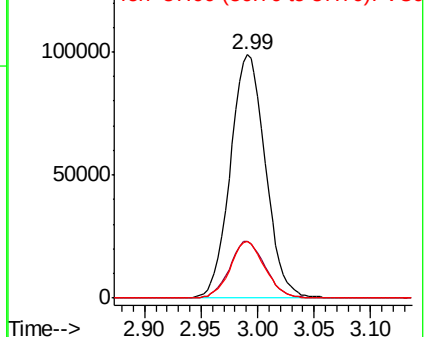
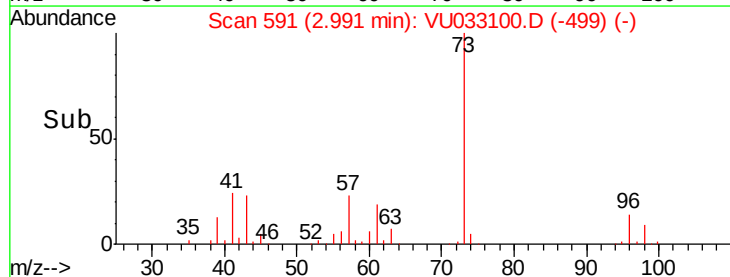
57 22.8 17.8 26.6

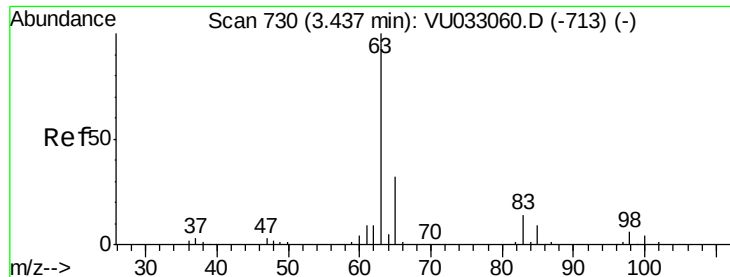


Abundance Ion 73.00 (72.70 to 73.70): VU033100.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU033100.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU033100.D (-499) (-)





#19

1,1-Dichloroethane

Concen: 55.487 ug/L

RT: 3.43 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU033100.D

Acq: 01 Jul 2019 09:06

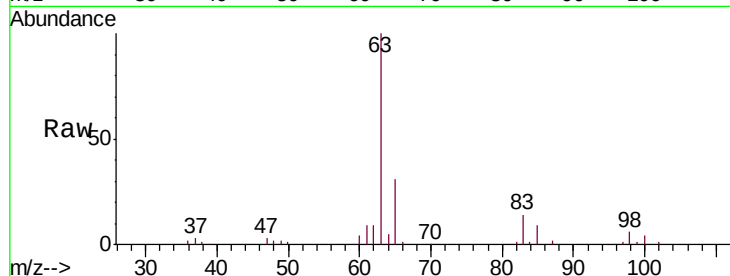
Tgt Ion: 63 Resp: 132391

Ion Ratio Lower Upper

63 100

65 30.9 22.0 41.0

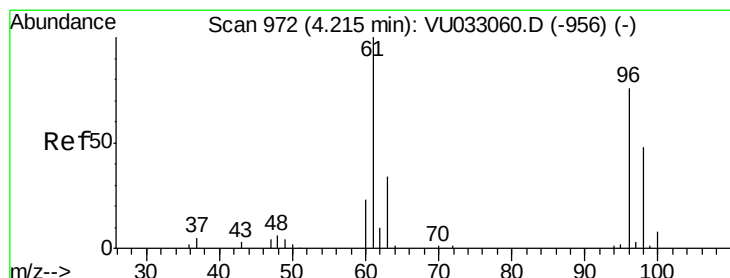
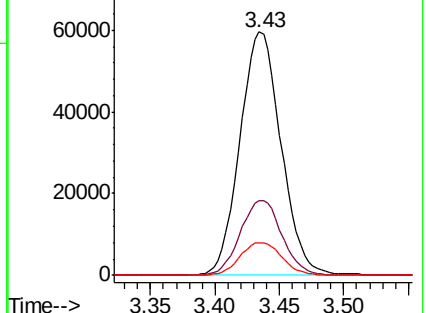
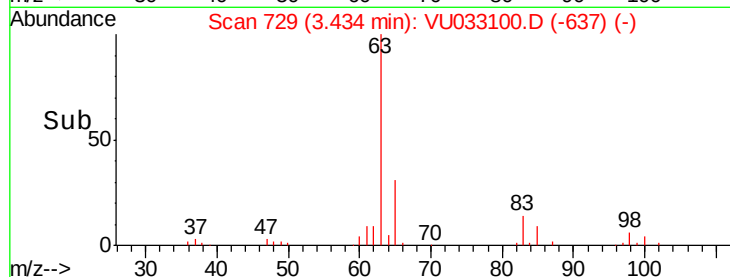
83 13.6 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VU033100.D (-637) (-)

Ion 65.00 (64.70 to 65.70): VU033100.D (-637) (-)

Ion 83.00 (82.70 to 83.70): VU033100.D (-637) (-)



#20

cis-1,2-Dichloroethene

Concen: 53.570 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU033100.D

Acq: 01 Jul 2019 09:06

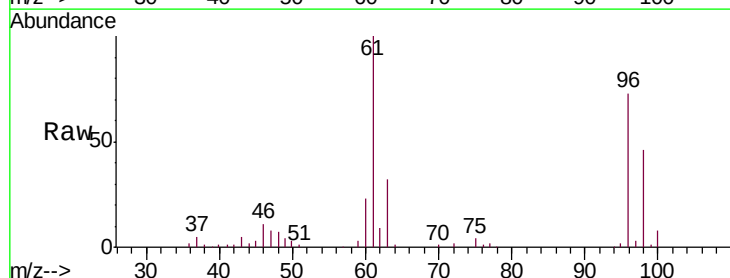
Tgt Ion: 96 Resp: 73038

Ion Ratio Lower Upper

96 100

61 136.6 92.4 171.6

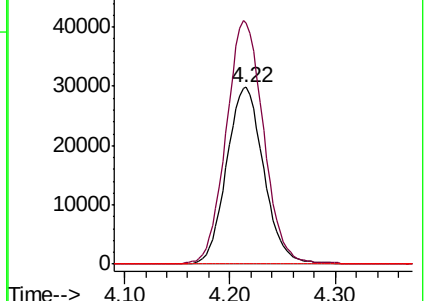
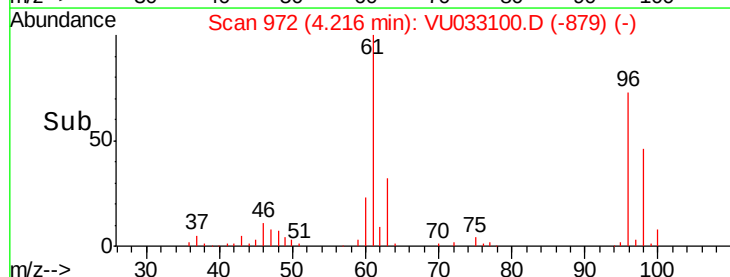
68 0.0 0.0 0.0

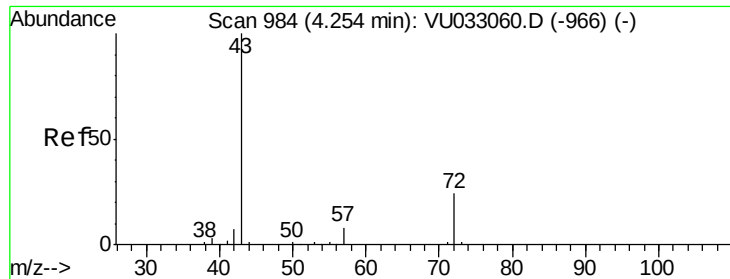


Abundance Ion 96.00 (95.70 to 96.70): VU033100.D (-879) (-)

Ion 61.00 (60.70 to 61.70): VU033100.D (-879) (-)

Ion 68.00 (67.70 to 68.70): VU033100.D (-879) (-)





#22

2-Butanone

Concen: 112.105 ug/L

RT: 4.25 min Scan# 983

Delta R.T. -0.00 min

Lab File: VU033100.D

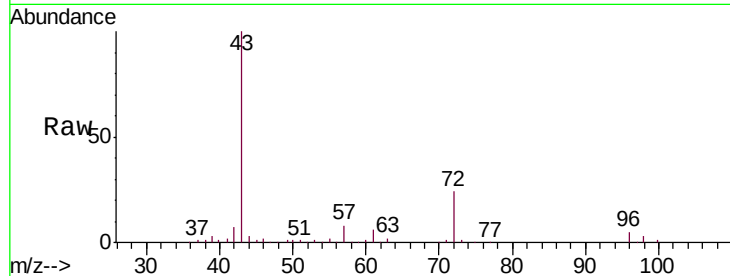
Acq: 01 Jul 2019 09:06

Tgt Ion: 43 Resp: 167307

Ion Ratio Lower Upper

43 100

72 24.1 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU033100.D (-991) (-)

Ion 72.00 (71.70 to 72.70): VU033100.D (-991) (-)

4.25

60000

40000

20000

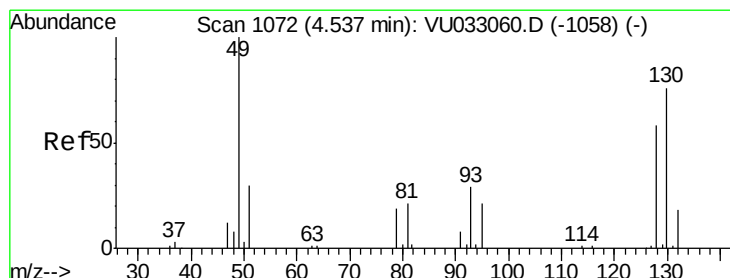
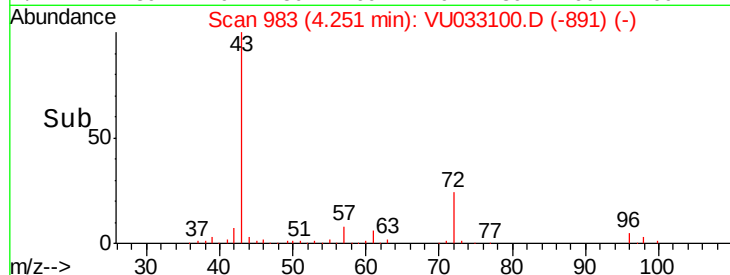
0

Time-->

4.20

4.30

4.40



#23

Bromochloromethane

Concen: 55.637 ug/L

RT: 4.54 min Scan# 1072

Delta R.T. 0.00 min

Lab File: VU033100.D

Acq: 01 Jul 2019 09:06

Tgt Ion: 128 Resp: 39572

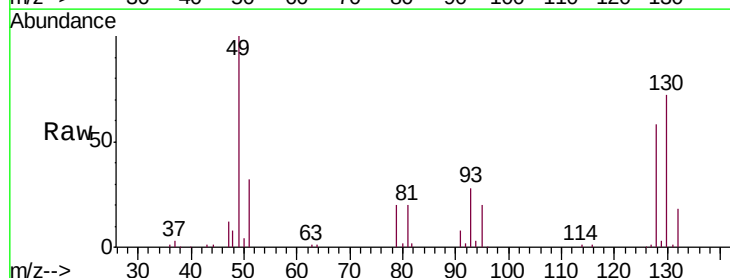
Ion Ratio Lower Upper

128 100

49 172.1 114.7 212.9

130 124.0 89.4 166.0

51 55.2 42.0 63.0



Abundance Ion 128.00 (127.70 to 128.70): VU033100.D (-979) (-)

Ion 49.00 (48.70 to 49.70): VU033100.D (-979) (-)

Ion 130.00 (129.70 to 130.70): VU033100.D (-979) (-)

Ion 51.00 (50.70 to 51.70): VU033100.D (-979) (-)

4.54

40000

30000

20000

10000

0

Time-->

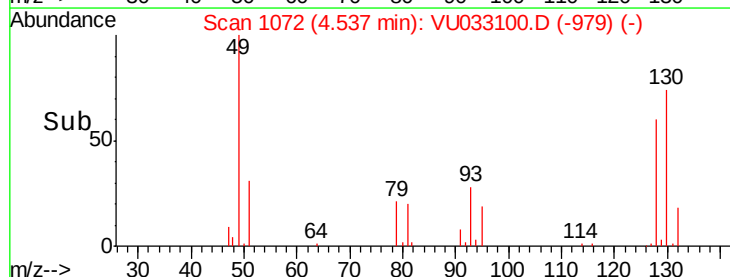
4.45

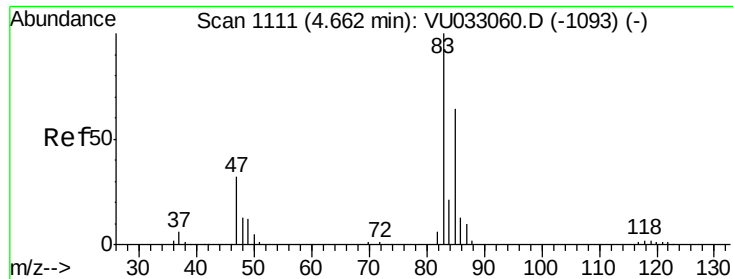
4.50

4.55

4.60

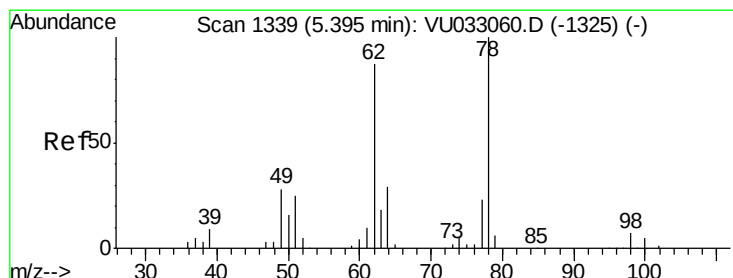
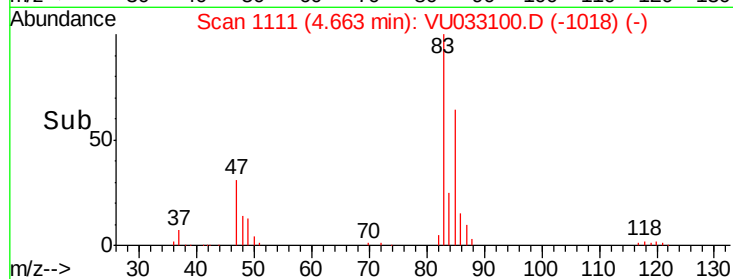
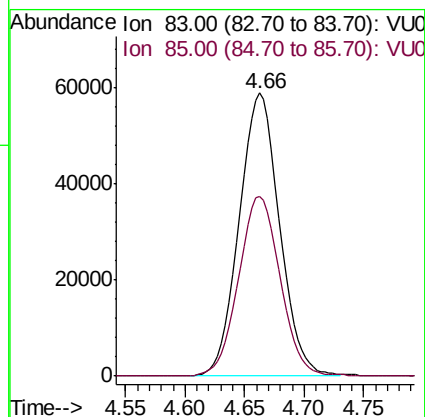
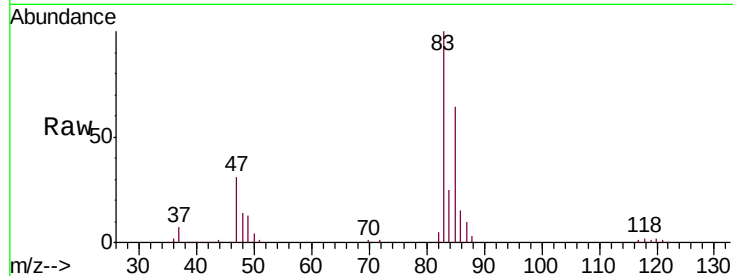
4.65





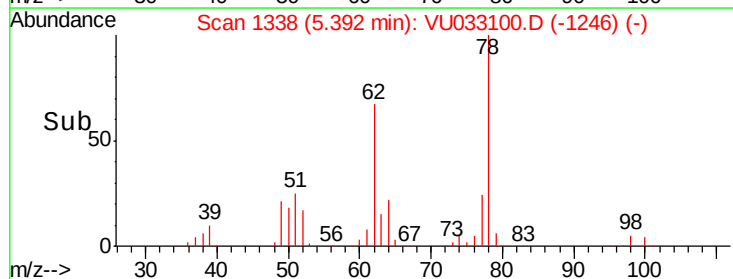
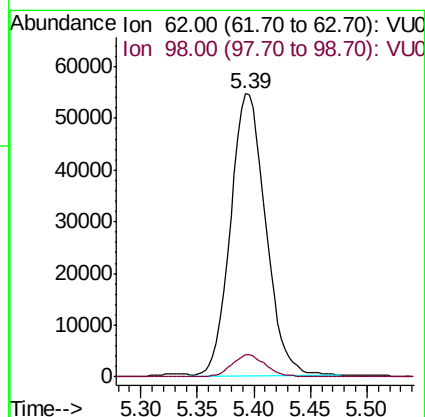
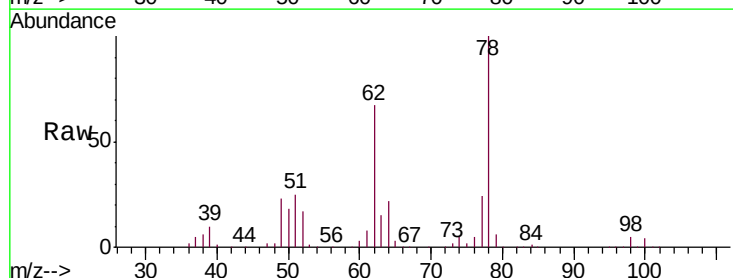
#25
Chloroform
Concen: 56.273 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VU033100.D
Acq: 01 Jul 2019 09:06

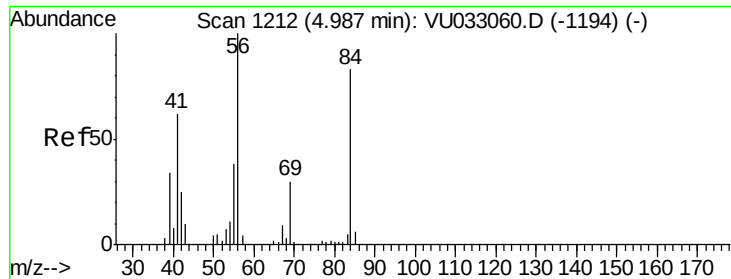
Tgt Ion: 83 Resp: 138462
Ion Ratio Lower Upper
83 100
85 63.6 44.2 82.2



#27
1,2-Dichloroethane
Concen: 58.469 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VU033100.D
Acq: 01 Jul 2019 09:06

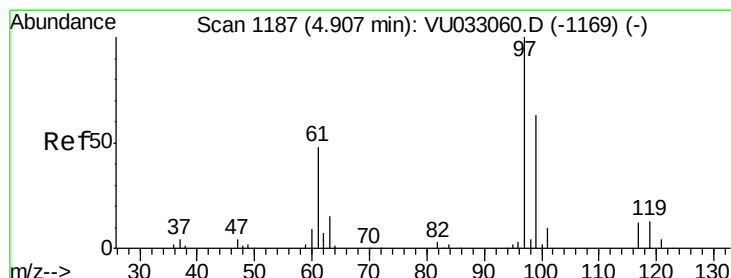
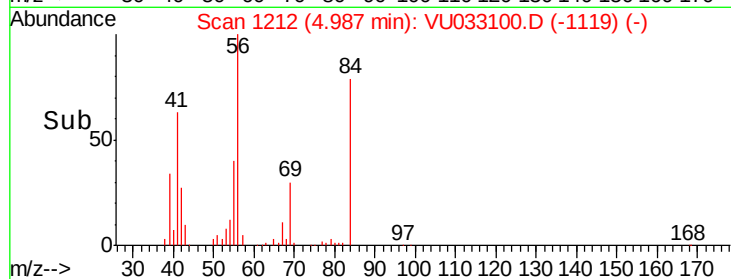
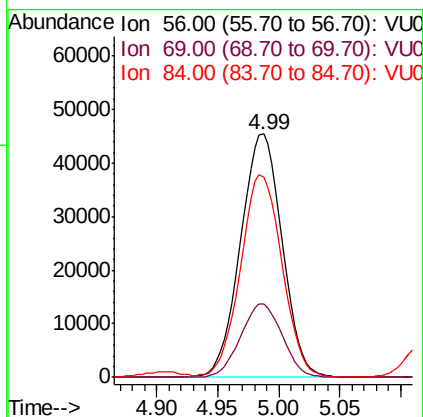
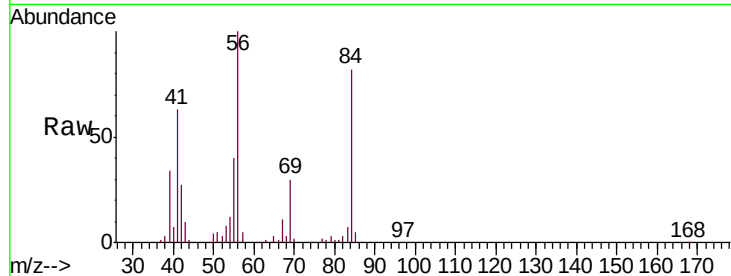
Tgt Ion: 62 Resp: 118186
Ion Ratio Lower Upper
62 100
98 7.8 6.6 10.0





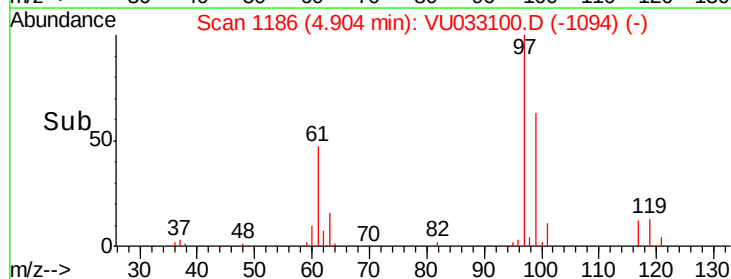
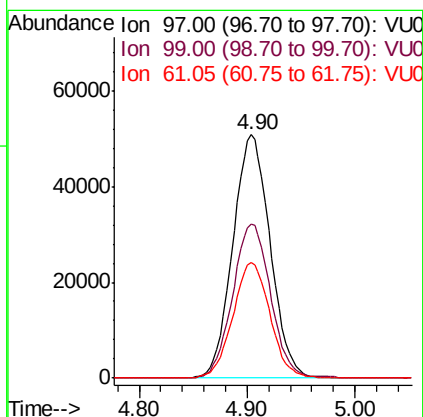
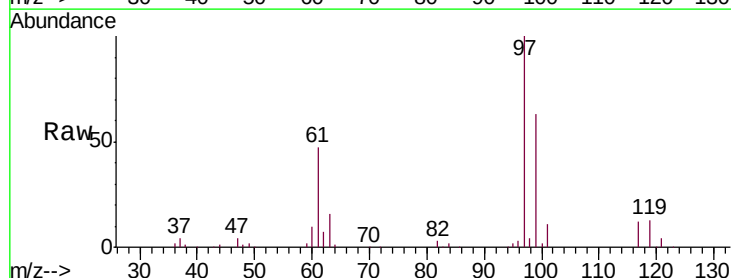
#29
Cyclohexane
Concen: 49.584 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU033100.D
Acq: 01 Jul 2019 09:06

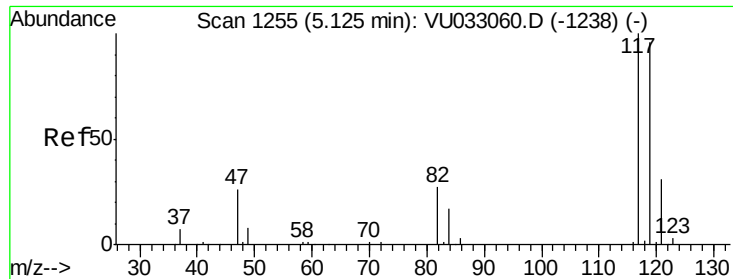
Tgt Ion: 56 Resp: 107444
Ion Ratio Lower Upper
56 100
69 30.2 24.2 36.4
84 83.1 68.0 102.0



#30
1,1,1-Trichloroethane
Concen: 54.157 ug/L
RT: 4.90 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VU033100.D
Acq: 01 Jul 2019 09:06

Tgt Ion: 97 Resp: 122446
Ion Ratio Lower Upper
97 100
99 64.1 50.7 76.1
61 47.2 36.7 55.1





#31

Carbon tetrachloride

Concen: 53.921 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU033100.D

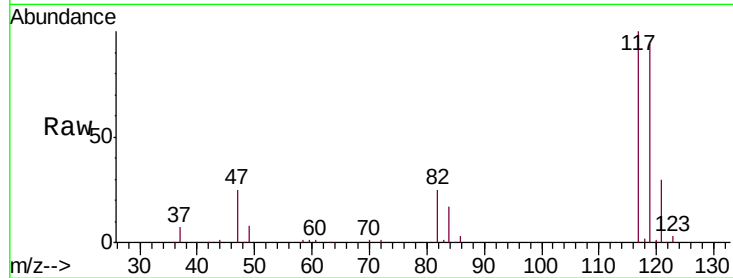
Acq: 01 Jul 2019 09:06

Tgt Ion: 117 Resp: 110928

Ion Ratio Lower Upper

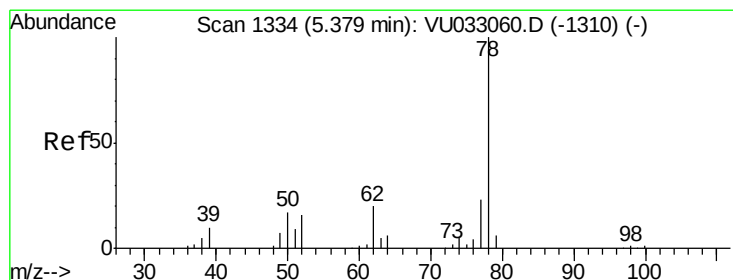
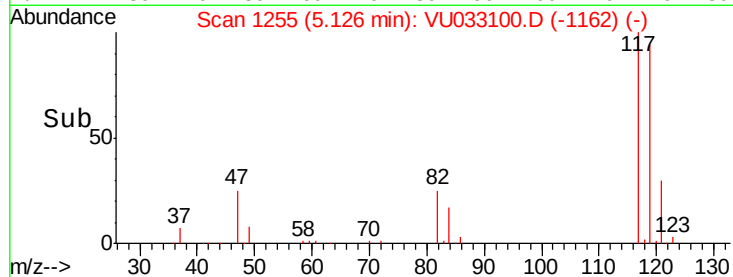
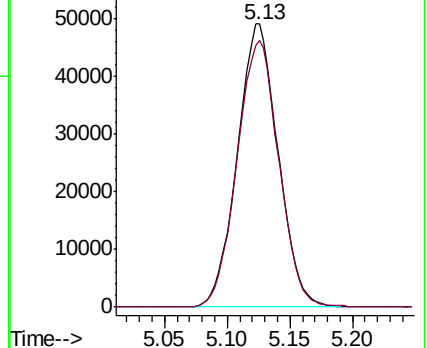
117 100

119 96.6 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 52.175 ug/L

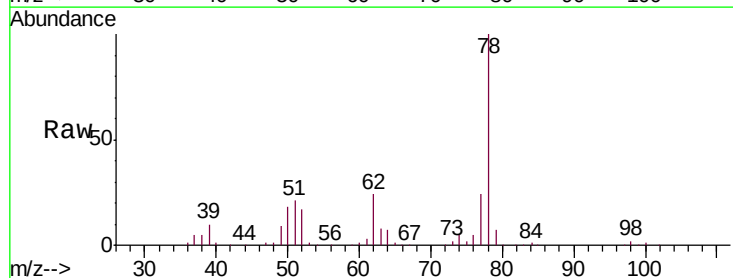
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

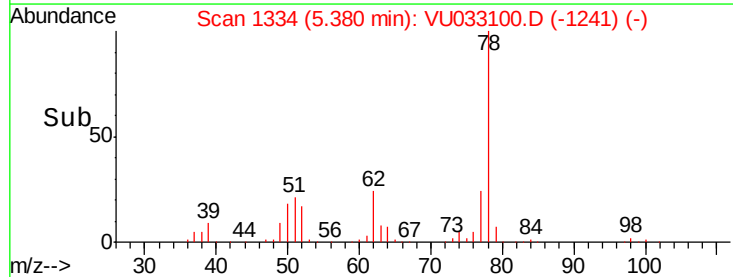
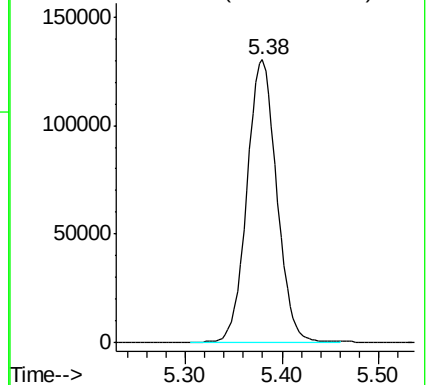
Lab File: VU033100.D

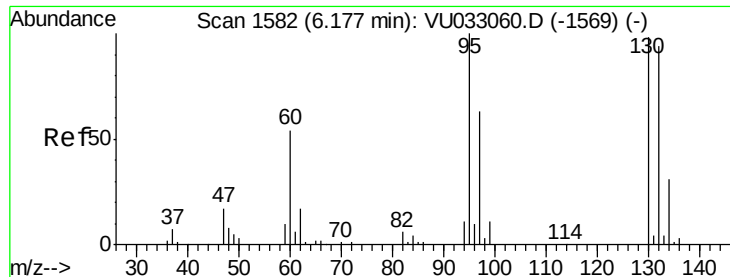
Acq: 01 Jul 2019 09:06

Tgt Ion: 78 Resp: 278934



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 52.407 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VU033100.D

Acq: 01 Jul 2019 09:06

Tgt Ion: 95 Resp: 74858

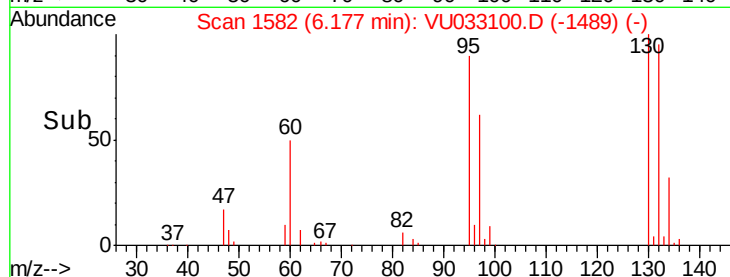
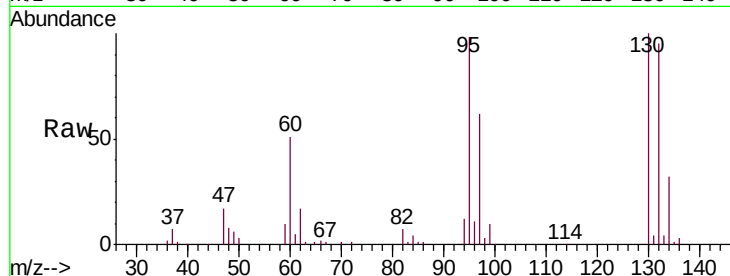
Ion Ratio Lower Upper

95 100

97 64.0 45.9 85.3

132 97.3 68.5 127.3

130 102.4 70.8 131.4

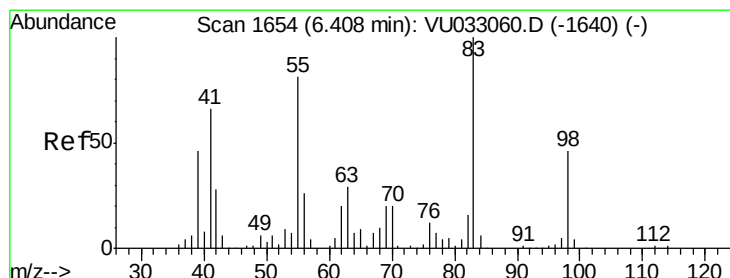
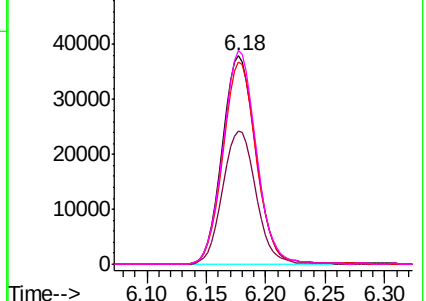


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 50.943 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU033100.D

Acq: 01 Jul 2019 09:06

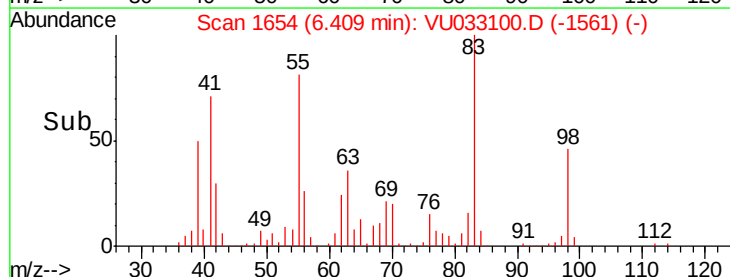
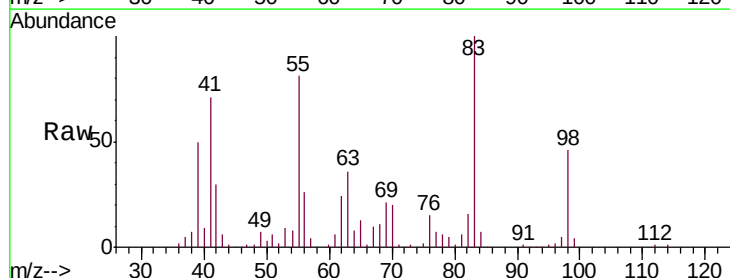
Tgt Ion: 83 Resp: 112478

Ion Ratio Lower Upper

83 100

55 82.9 62.6 94.0

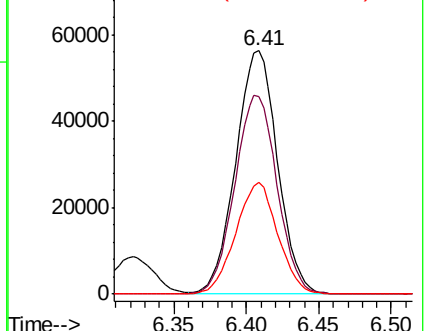
98 46.2 37.4 56.0

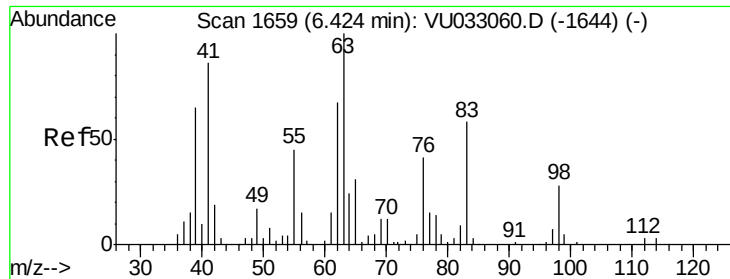


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 53.283 ug/L

RT: 6.42 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VU033100.D

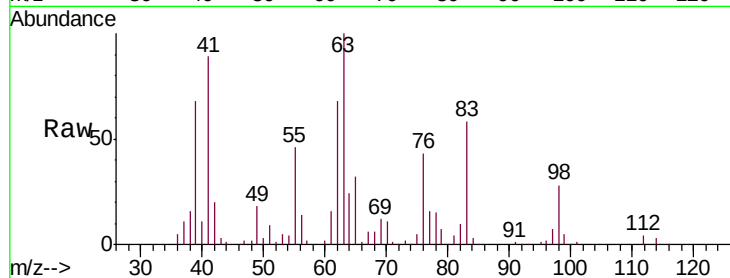
Acq: 01 Jul 2019 09:06

Tgt Ion: 63 Resp: 78137

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VU033100.D (-1644) (-)

Ion 112.00 (111.70 to 112.70): VU033100.D (-1644) (-)

6.42

40000

30000

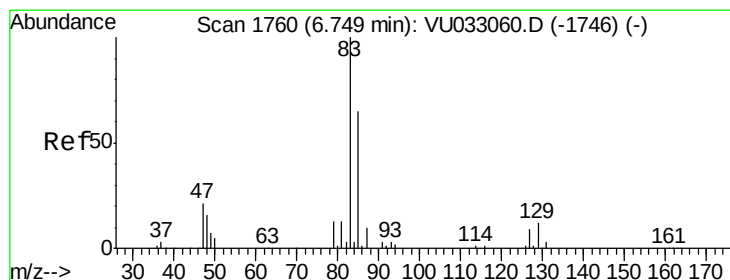
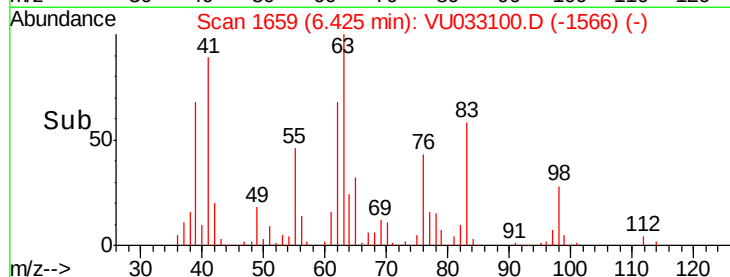
20000

10000

0

6.35 6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 54.614 ug/L

RT: 6.75 min Scan# 1759

Delta R.T. -0.00 min

Lab File: VU033100.D

Acq: 01 Jul 2019 09:06

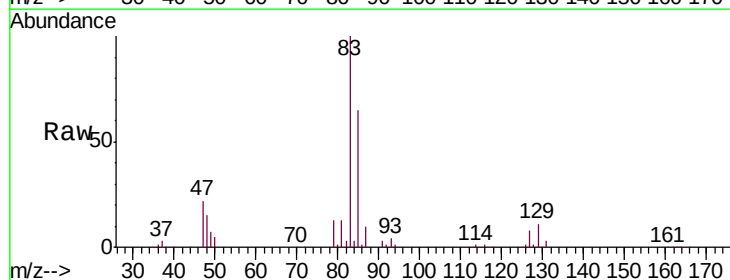
Tgt Ion: 83 Resp: 107692

Ion Ratio Lower Upper

83 100

85 64.9 45.0 83.6

127 8.5 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VU033100.D (-1667) (-)

Ion 85.00 (84.70 to 85.70): VU033100.D (-1667) (-)

Ion 127.00 (126.70 to 127.70): VU033100.D (-1667) (-)

6.75

80000

60000

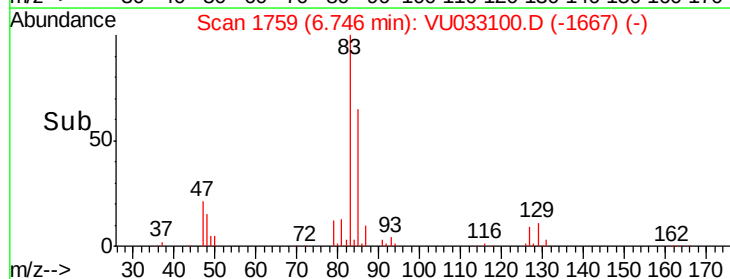
40000

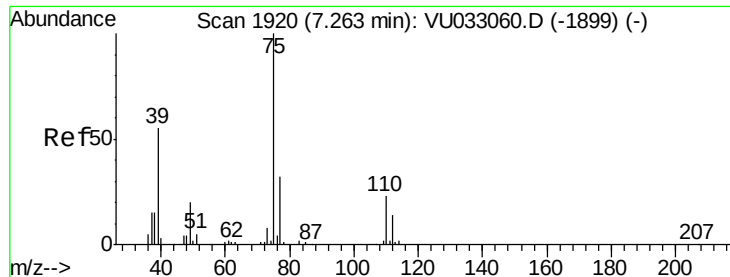
20000

0

6.65 6.70 6.75 6.80 6.85

Time-->

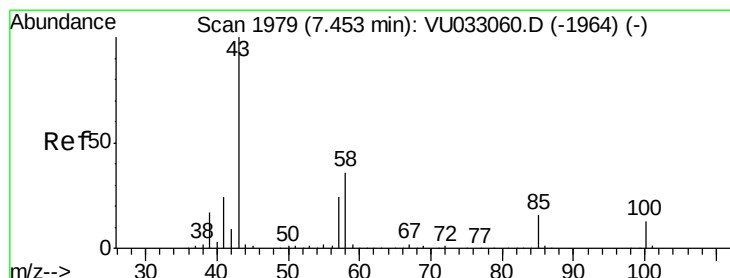
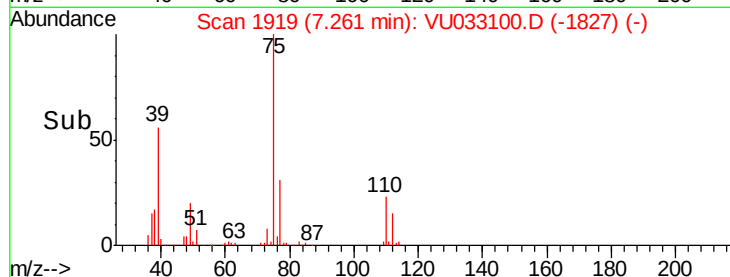
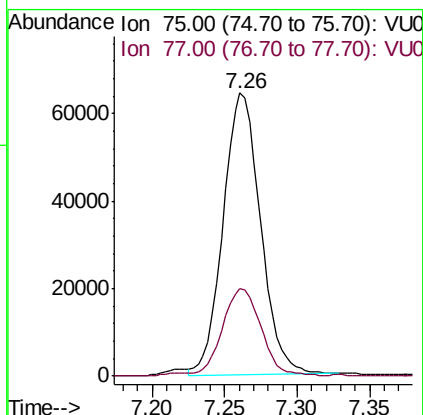
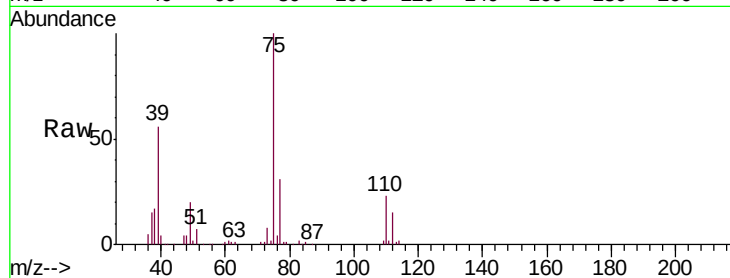




#39

cis-1,3-Dichloropropene
Concen: 50.552 ug/L
RT: 7.26 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VU033100.D
Acq: 01 Jul 2019 09:06

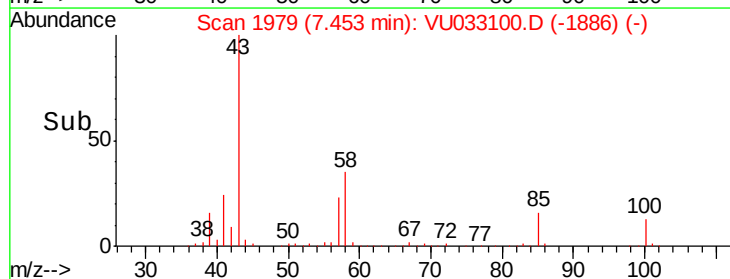
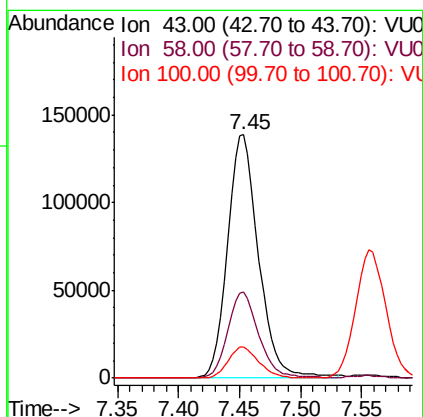
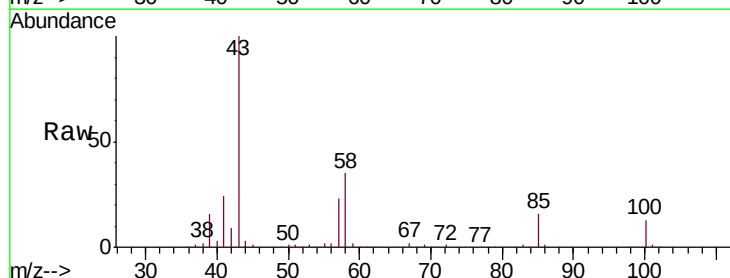
Tgt Ion: 75 Resp: 115495
Ion Ratio Lower Upper
75 100
77 30.8 21.9 40.7

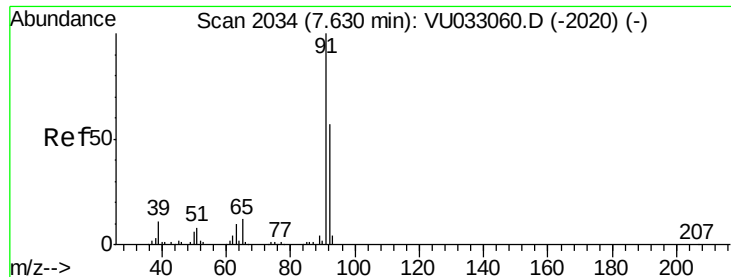


#40

4-Methyl-2-pentanone
Concen: 105.255 ug/L
RT: 7.45 min Scan# 1979
Delta R.T. 0.00 min
Lab File: VU033100.D
Acq: 01 Jul 2019 09:06

Tgt Ion: 43 Resp: 246430
Ion Ratio Lower Upper
43 100
58 35.3 29.4 44.2
100 12.8 11.2 16.8





#42

Toluene

Concen: 53.110 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU033100.D

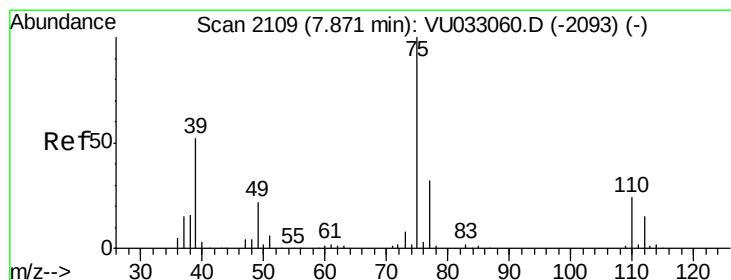
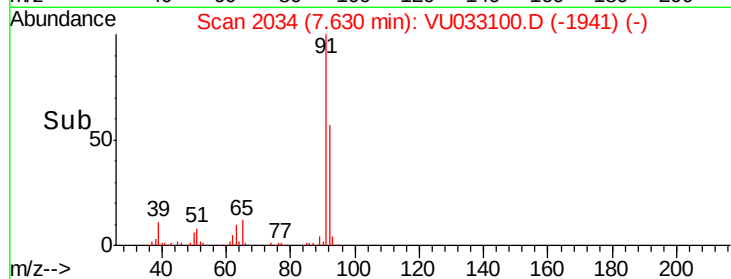
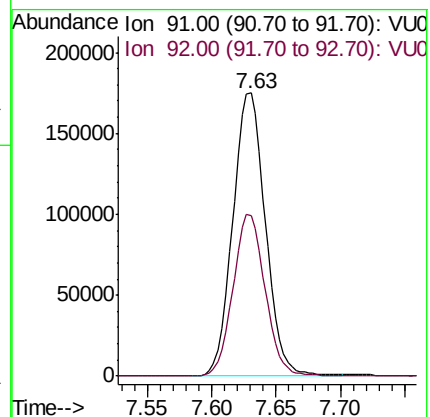
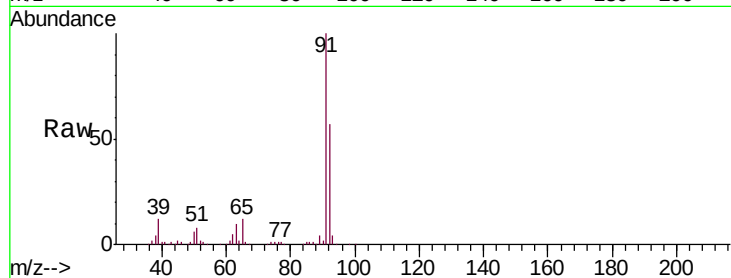
Acq: 01 Jul 2019 09:06

Tgt Ion: 91 Resp: 307199

Ion Ratio Lower Upper

91 100

92 56.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 53.454 ug/L

RT: 7.87 min Scan# 2109

Delta R.T. 0.00 min

Lab File: VU033100.D

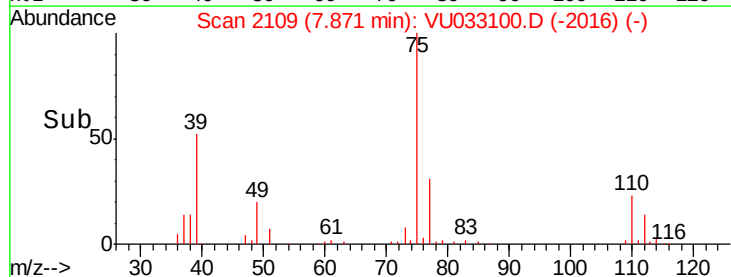
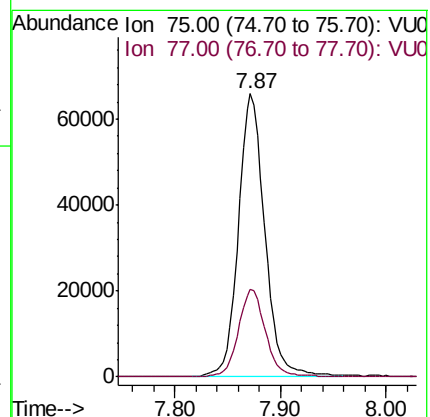
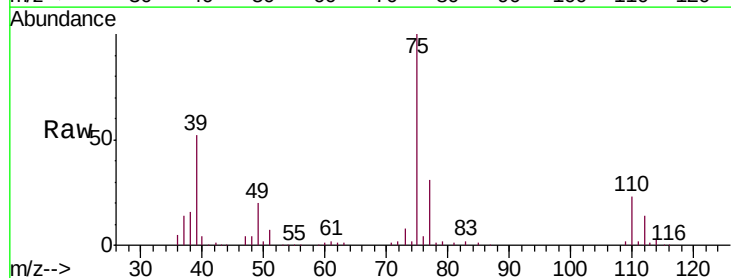
Acq: 01 Jul 2019 09:06

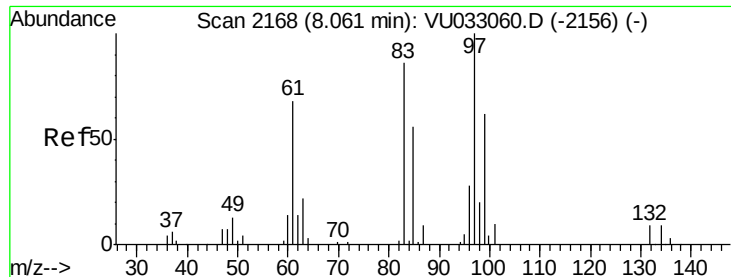
Tgt Ion: 75 Resp: 114708

Ion Ratio Lower Upper

75 100

77 30.9 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 52.882 ug/L

RT: 8.06 min Scan# 2167

Delta R.T. -0.00 min

Lab File: VU033100.D

Acq: 01 Jul 2019 09:06

Tgt Ion: 97 Resp: 72180

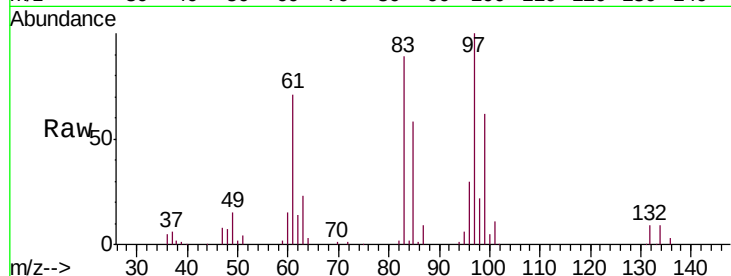
Ion Ratio Lower Upper

97 100

99 61.9 43.1 80.1

83 88.8 61.4 114.0

85 58.1 39.2 72.8

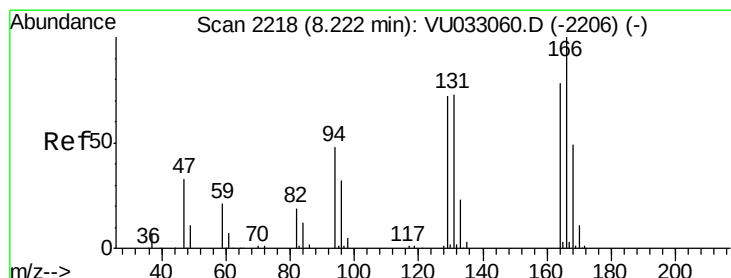
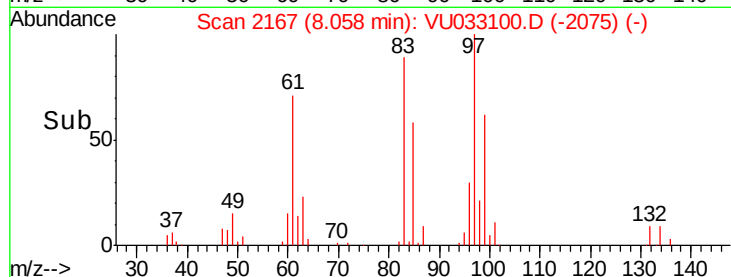
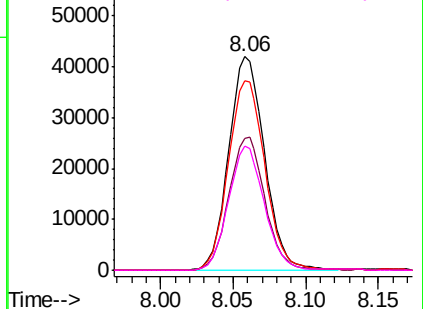


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 52.250 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.00 min

Lab File: VU033100.D

Acq: 01 Jul 2019 09:06

Tgt Ion: 164 Resp: 61156

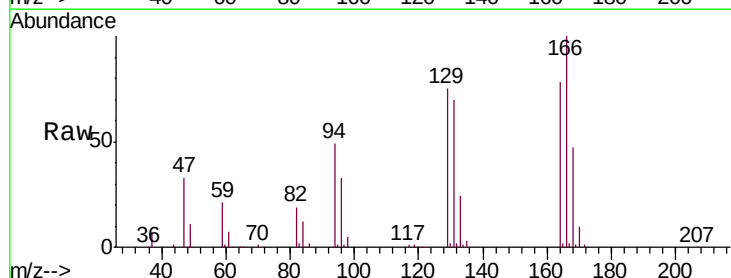
Ion Ratio Lower Upper

164 100

129 96.1 64.8 120.3

131 89.9 64.5 119.7

166 128.8 91.3 169.6

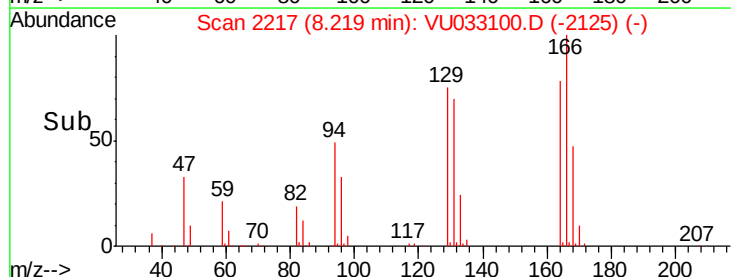
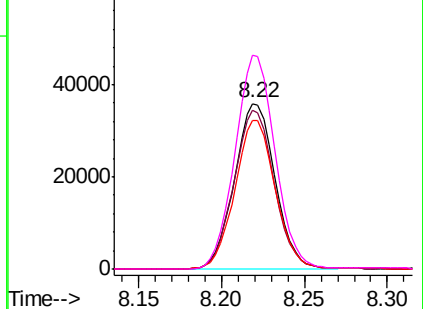


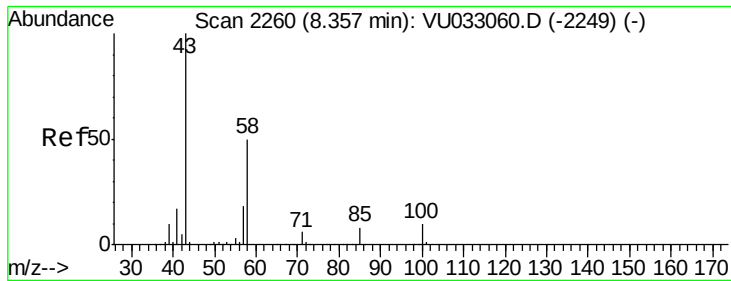
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

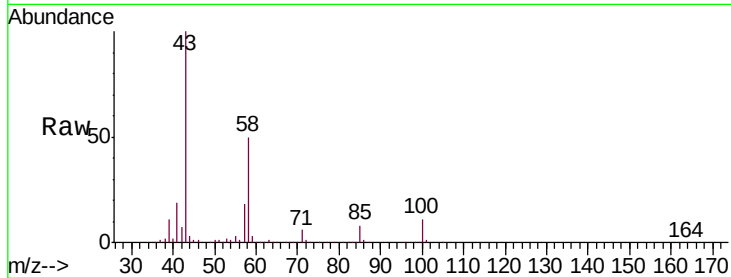
Ion 166.00 (165.70 to 166.70): V



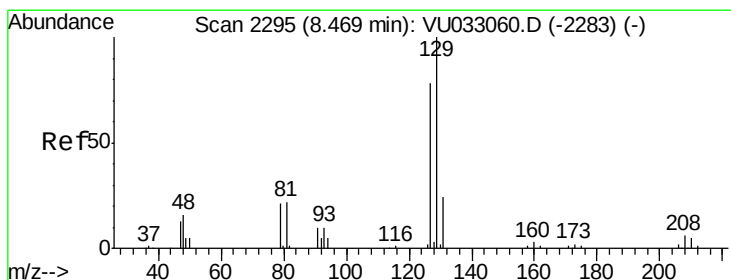
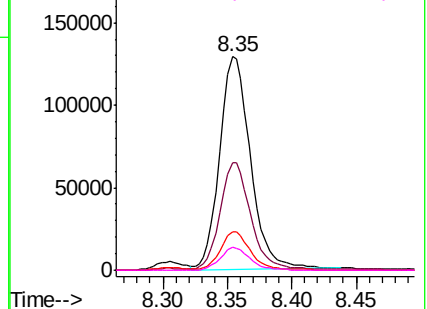
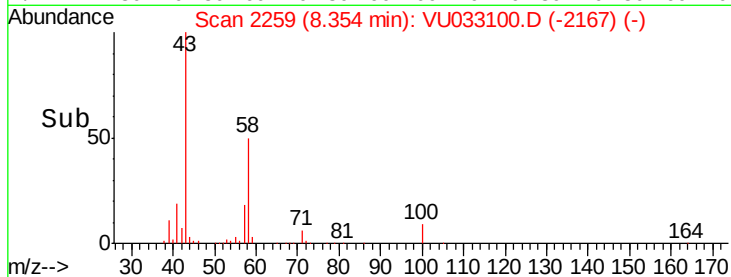


#48
2-Hexanone
Concen: 103.488 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. -0.00 min
Lab File: VU033100.D
Acq: 01 Jul 2019 09:06

Tgt Ion:	43	Resp:	213776
Ion	Ratio	Lower	Upper
43	100		
58	50.2	40.2	60.2
57	17.8	14.2	21.4
100	10.4	8.4	12.6

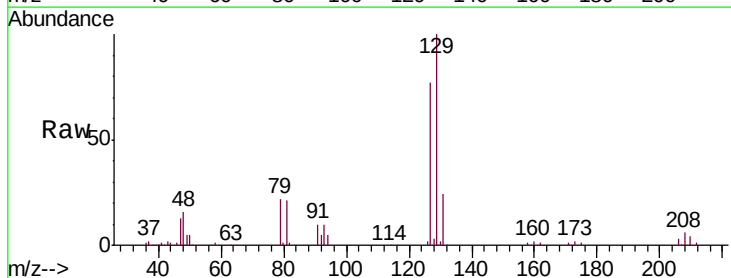


Abundance Ion 43.00 (42.70 to 43.70): VU033100.D (-2167) (-)
Ion 58.00 (57.70 to 58.70): VU033100.D (-2167) (-)
Ion 57.00 (56.70 to 57.70): VU033100.D (-2167) (-)
Ion 100.00 (99.70 to 100.70): VU033100.D (-2167) (-)

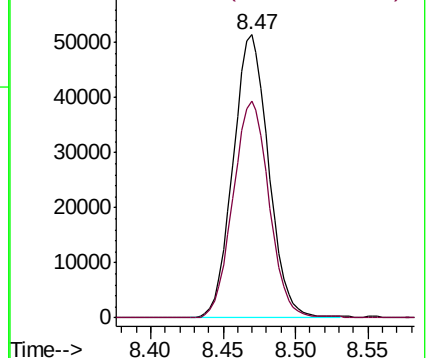
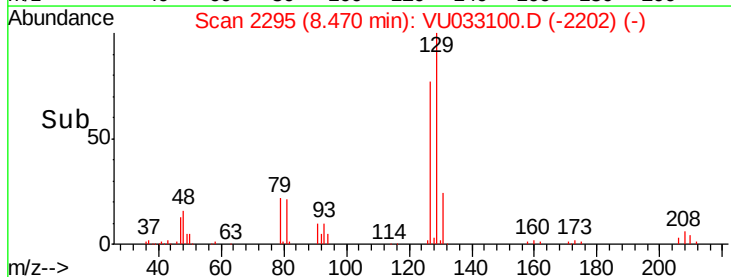


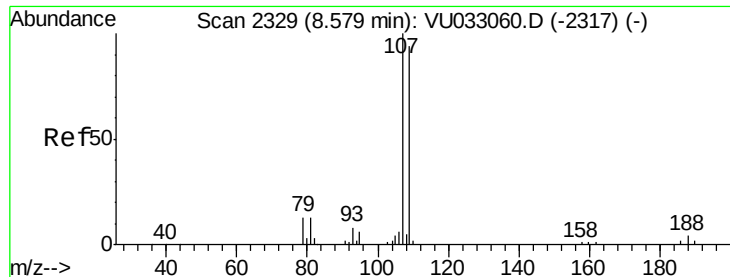
#49
Dibromochloromethane
Concen: 53.290 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU033100.D
Acq: 01 Jul 2019 09:06

Tgt Ion:	129	Resp:	87687
Ion	Ratio	Lower	Upper
129	100		
127	76.6	52.3	97.1



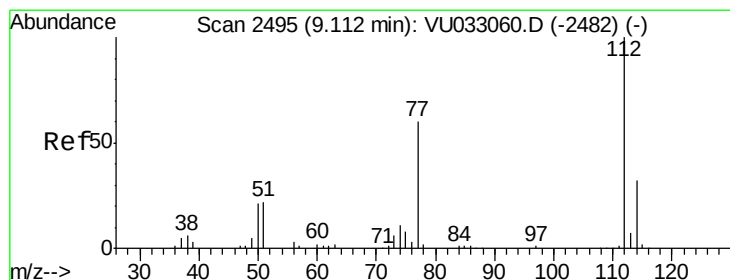
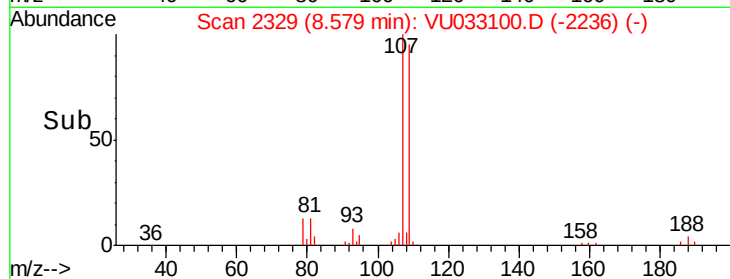
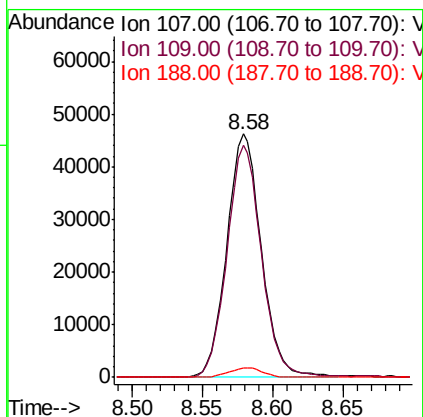
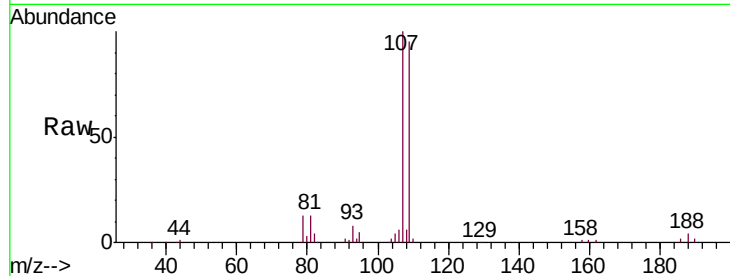
Abundance Ion 129.00 (128.70 to 129.70): VU033100.D (-2202) (-)
Ion 127.00 (126.70 to 127.70): VU033100.D (-2202) (-)





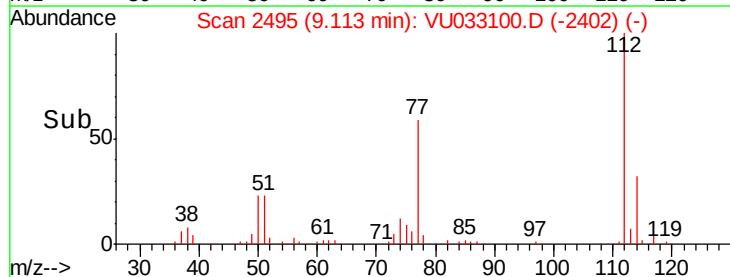
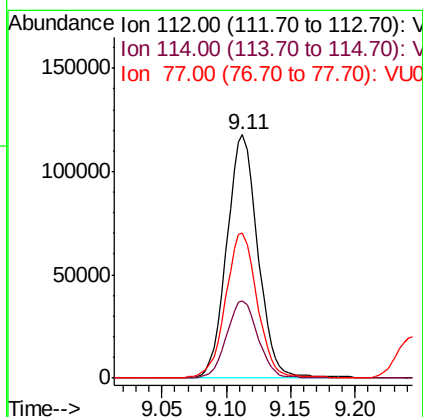
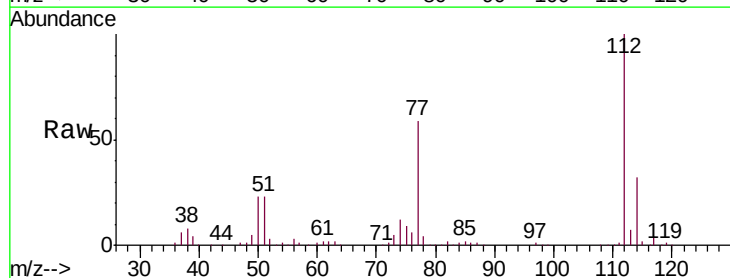
#50
1,2-Dibromoethane
Concen: 52.243 ug/L
RT: 8.58 min Scan# 2329
Delta R.T. 0.00 min
Lab File: VU033100.D
Acq: 01 Jul 2019 09:06

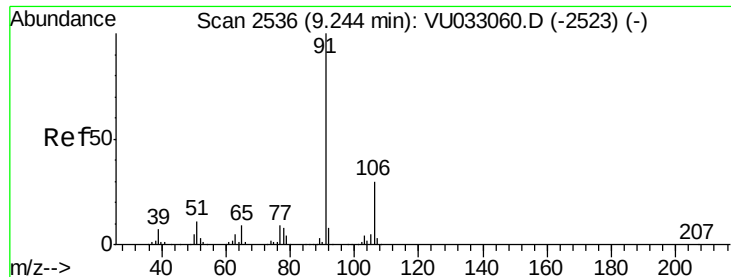
Tgt Ion:107 Resp: 79191
Ion Ratio Lower Upper
107 100
109 95.3 65.4 121.4
188 3.7 3.1 4.7



#51
Chlorobenzene
Concen: 51.774 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU033100.D
Acq: 01 Jul 2019 09:06

Tgt Ion:112 Resp: 197065
Ion Ratio Lower Upper
112 100
114 31.8 22.8 42.4
77 59.3 46.3 69.5





#52

Ethylbenzene

Concen: 52.441 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU033100.D

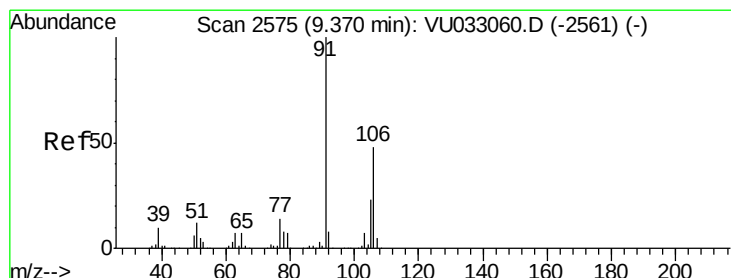
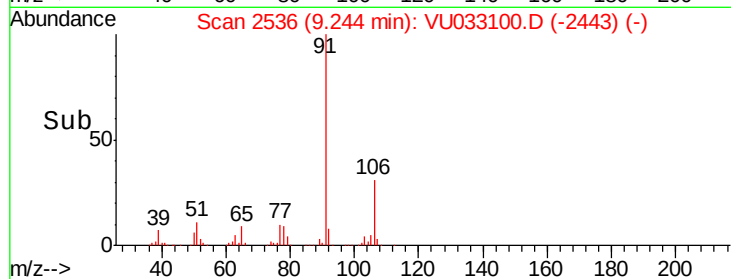
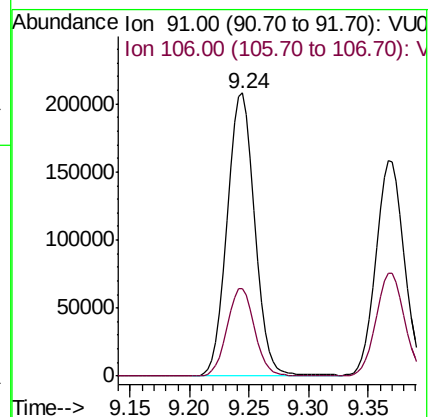
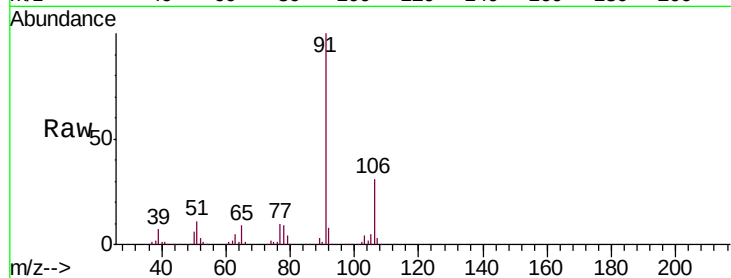
Acq: 01 Jul 2019 09:06

Tgt Ion: 91 Resp: 335758

Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4



#53

m,p-Xylene

Concen: 52.136 ug/L

RT: 9.37 min Scan# 2574

Delta R.T. -0.00 min

Lab File: VU033100.D

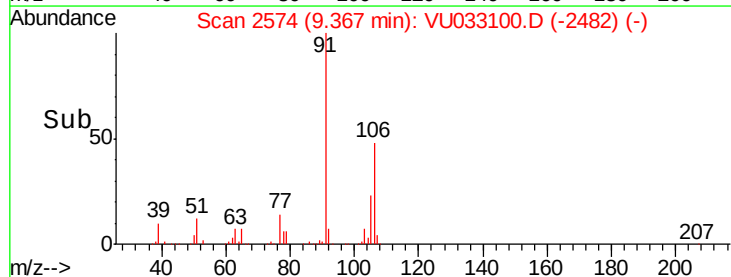
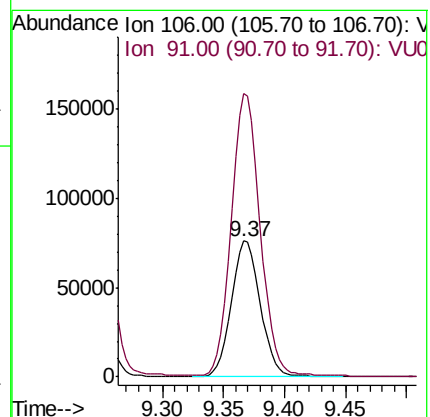
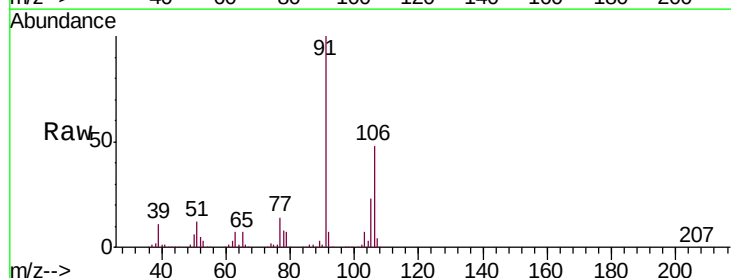
Acq: 01 Jul 2019 09:06

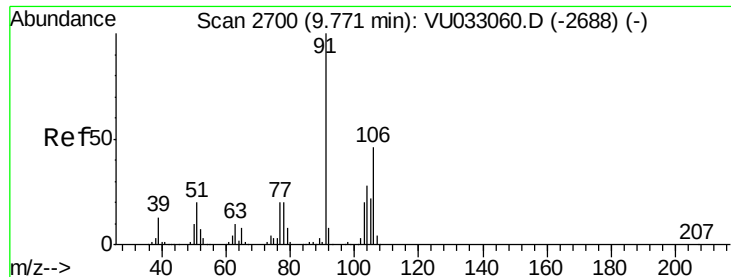
Tgt Ion: 106 Resp: 125942

Ion Ratio Lower Upper

106 100

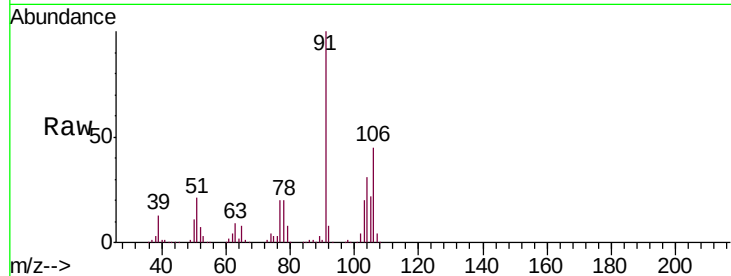
91 208.7 142.9 265.5



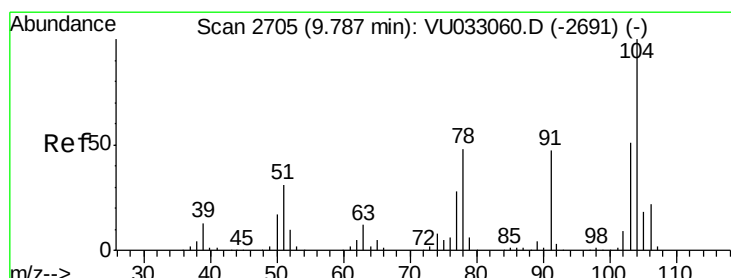
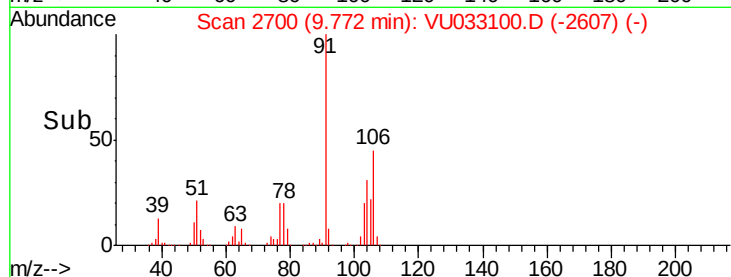
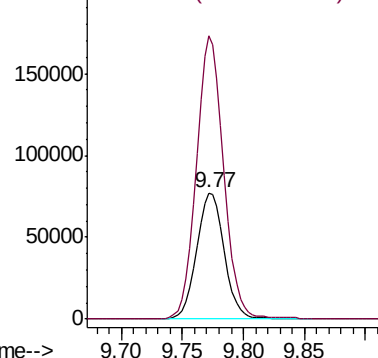


#54
o-xylene
Concen: 52.072 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU033100.D
Acq: 01 Jul 2019 09:06

Tgt Ion:106 Resp: 122840
Ion Ratio Lower Upper
106 100
91 224.6 152.9 284.1

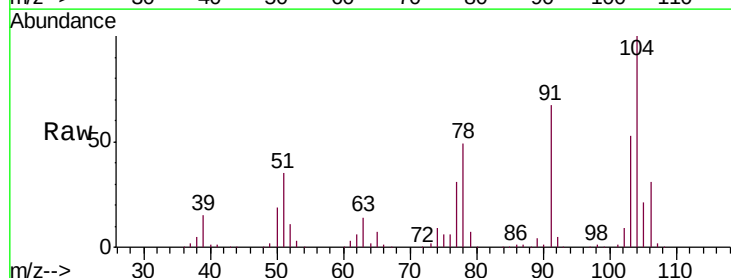


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

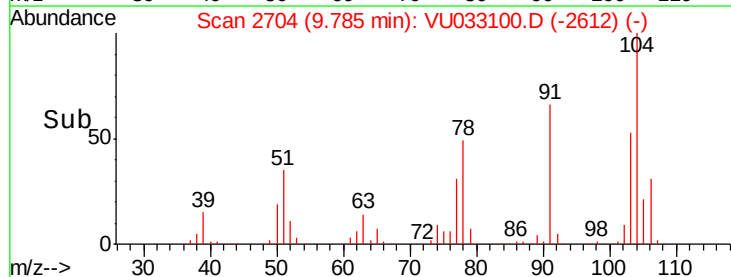
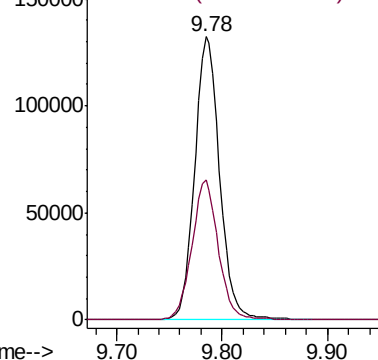


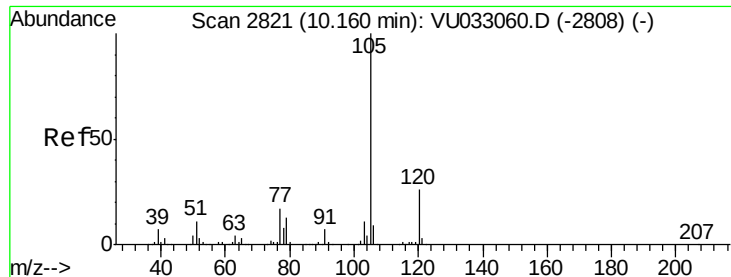
#55
Styrene
Concen: 52.878 ug/L
RT: 9.78 min Scan# 2704
Delta R.T. -0.00 min
Lab File: VU033100.D
Acq: 01 Jul 2019 09:06

Tgt Ion:104 Resp: 216404
Ion Ratio Lower Upper
104 100
78 49.3 32.1 59.5



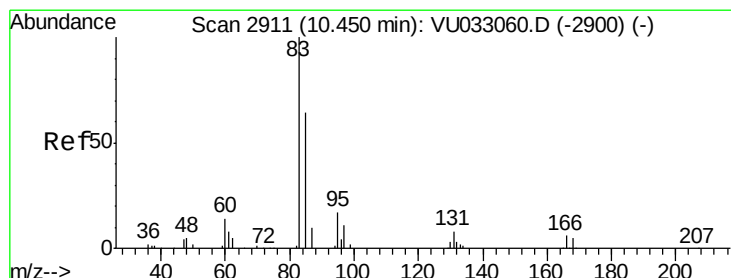
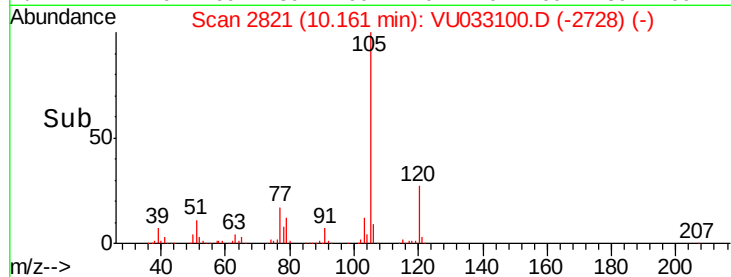
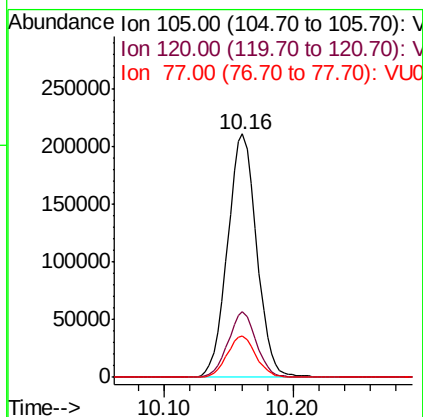
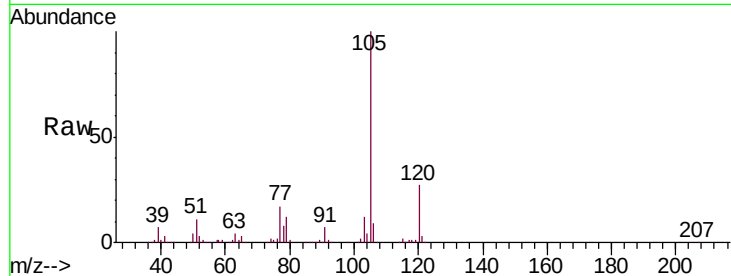
Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





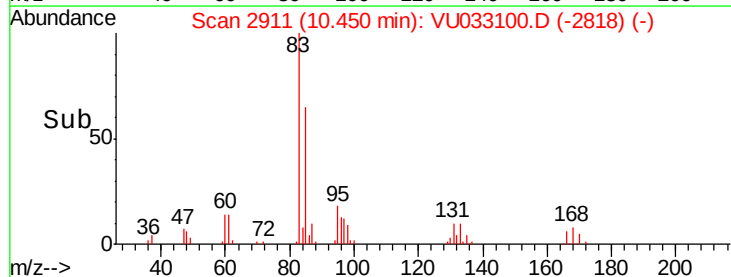
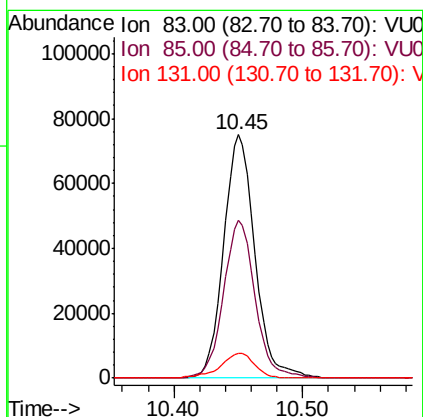
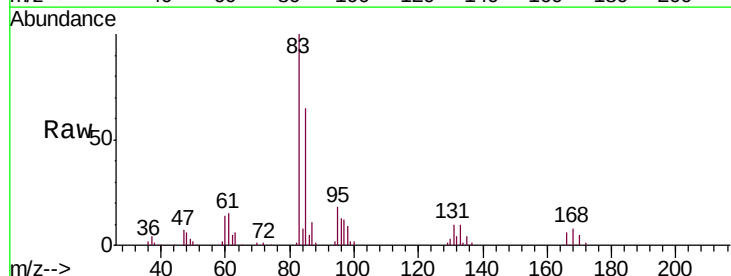
#56
Isopropylbenzene
Concen: 51.908 ug/L
RT: 10.16 min Scan# 2821
Delta R.T. 0.00 min
Lab File: VU033100.D
Acq: 01 Jul 2019 09:06

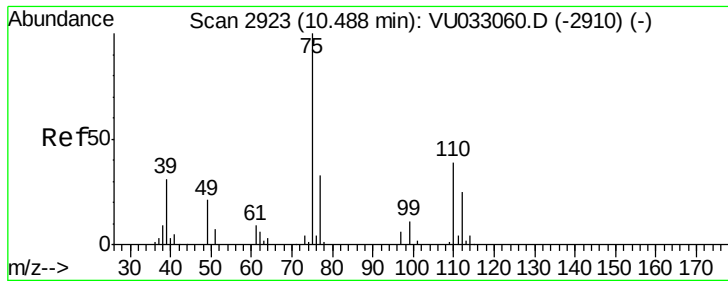
Tgt Ion:	105	Resp:	330004
Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.4	32.0
77	16.9	13.0	19.4



#58
1,1,2,2-Tetrachloroethane
Concen: 50.872 ug/L
RT: 10.45 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VU033100.D
Acq: 01 Jul 2019 09:06

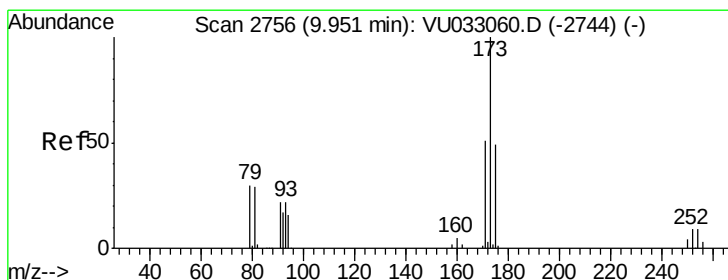
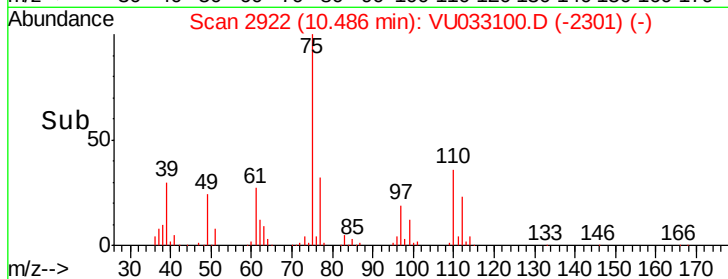
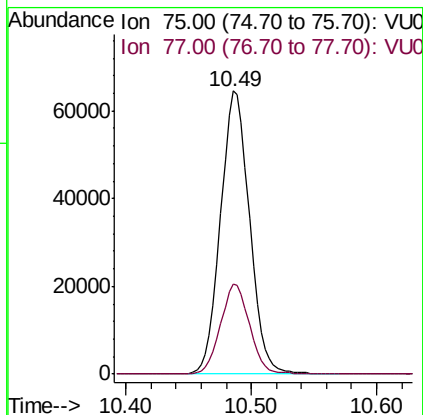
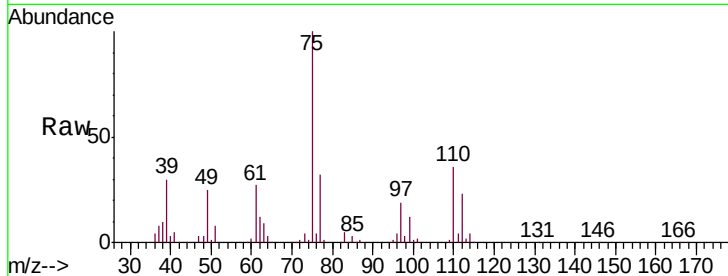
Tgt Ion:	83	Resp:	125646
Ion	Ratio	Lower	Upper
83	100		
85	64.7	45.8	85.2
131	10.4	7.8	11.8





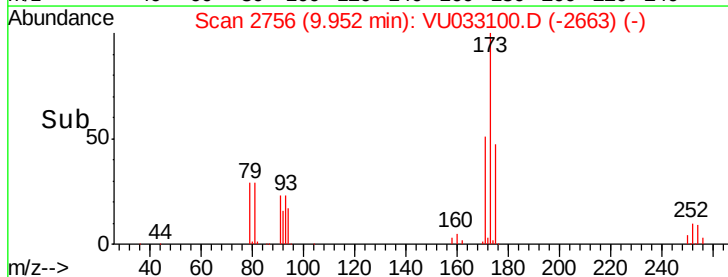
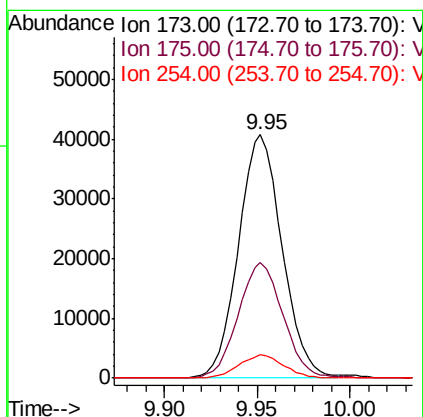
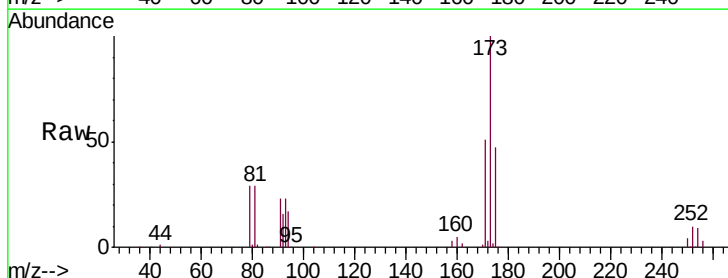
#59
 1,2,3-Trichloropropane
 Concen: 53.073 ug/L
 RT: 10.49 min Scan# 2922
 Delta R.T. -0.00 min
 Lab File: VU033100.D
 Acq: 01 Jul 2019 09:06

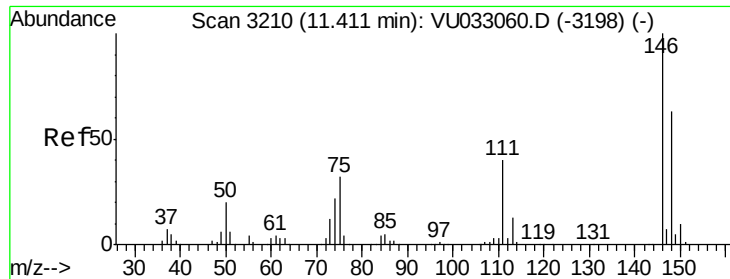
Tgt Ion: 75 Resp: 103866
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3



#61
 Bromoform
 Concen: 53.403 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. 0.00 min
 Lab File: VU033100.D
 Acq: 01 Jul 2019 09:06

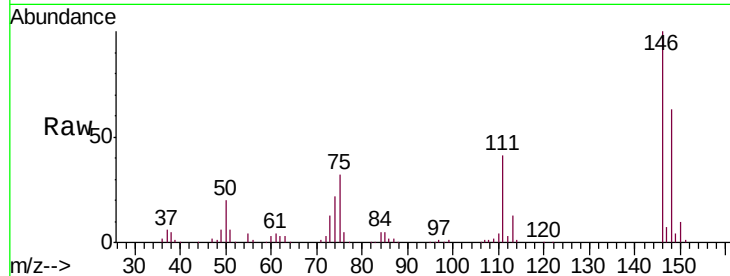
Tgt Ion: 173 Resp: 66558
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.0 58.4
 254 9.8 7.5 11.3



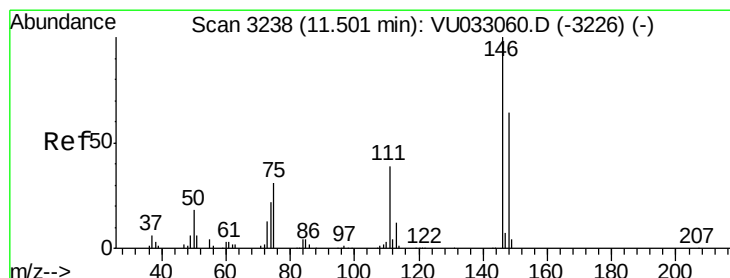
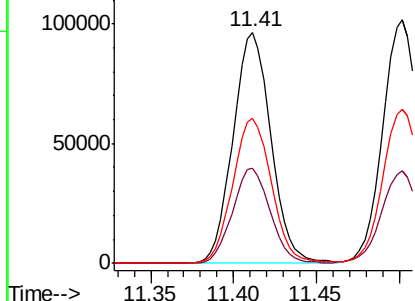
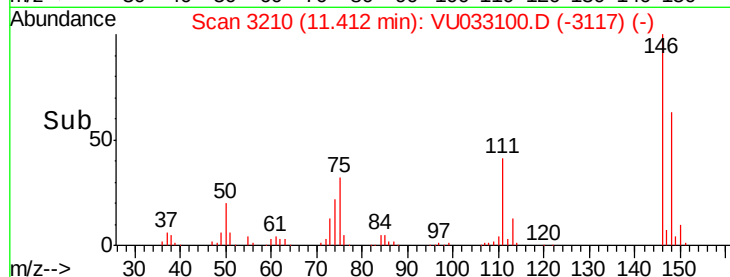


#62
 1,3-Dichlorobenzene
 Concen: 51.834 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU033100.D
 Acq: 01 Jul 2019 09:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	28.4	52.8
148	62.6	45.5	84.5

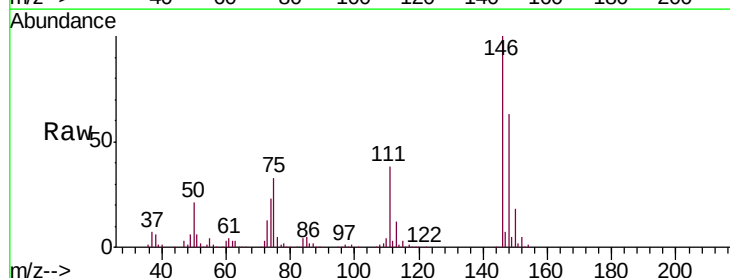


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

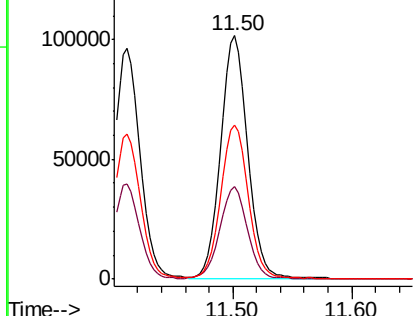
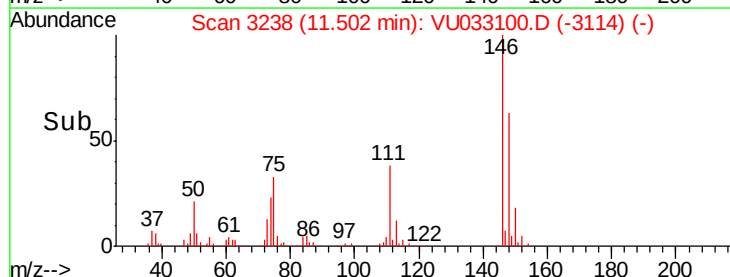


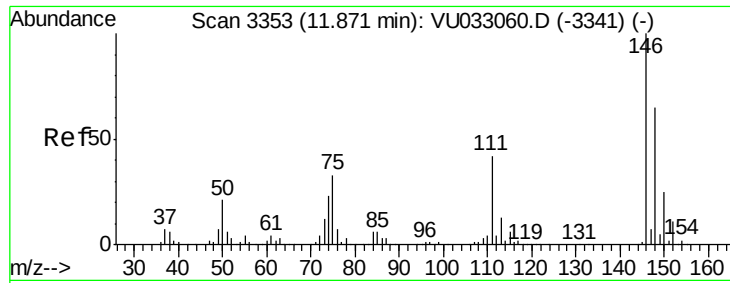
#63
 1,4-Dichlorobenzene
 Concen: 52.129 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU033100.D
 Acq: 01 Jul 2019 09:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	26.9	50.1
148	63.3	44.7	83.1



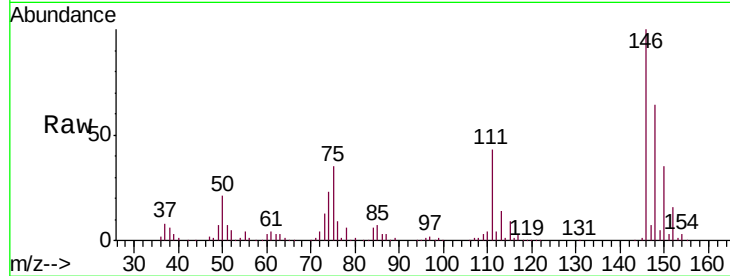
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



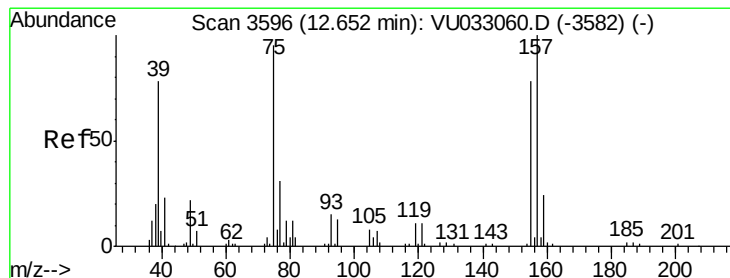
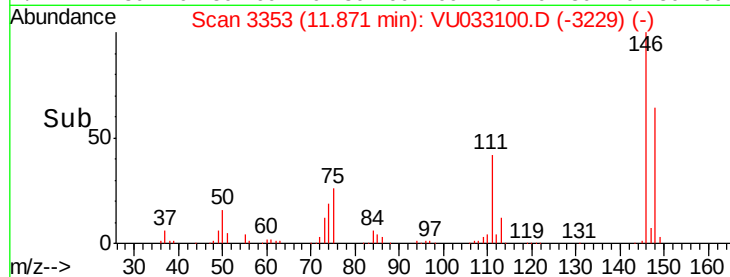
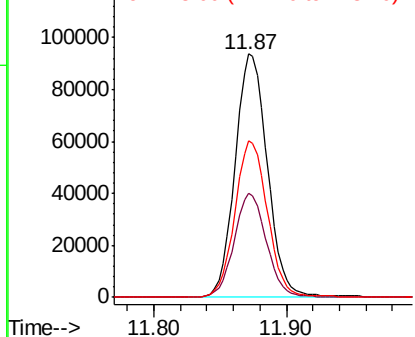


#65
 1,2-Dichlorobenzene
 Concen: 52.367 ug/L
 RT: 11.87 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VU033100.D
 Acq: 01 Jul 2019 09:06

Tgt Ion: 146 Resp: 158636
 Ion Ratio Lower Upper
 146 100
 111 42.7 34.1 51.1
 148 64.1 52.0 78.0

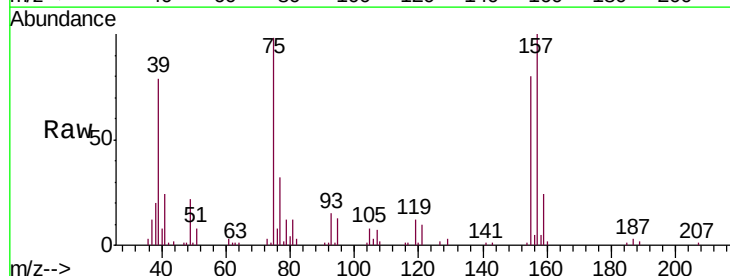


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

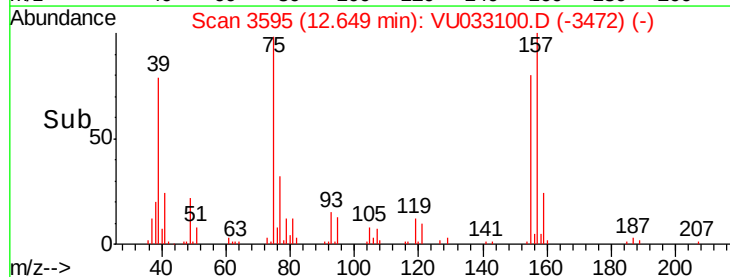
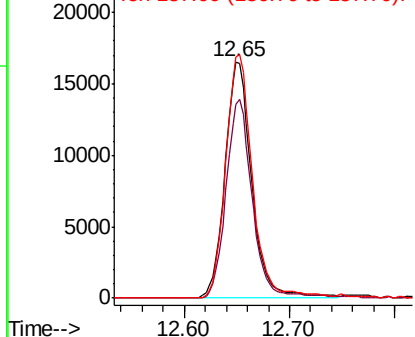


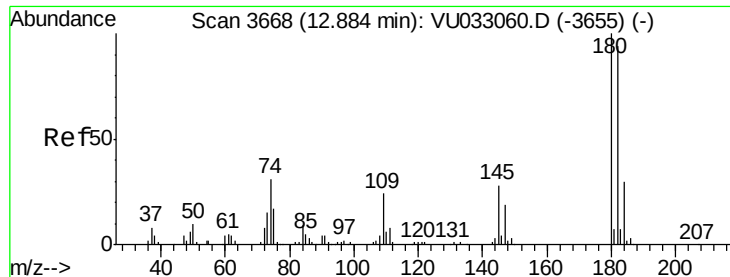
#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.201 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU033100.D
 Acq: 01 Jul 2019 09:06

Tgt Ion: 75 Resp: 29013
 Ion Ratio Lower Upper
 75 100
 155 82.2 67.4 101.2
 157 102.3 85.5 128.3



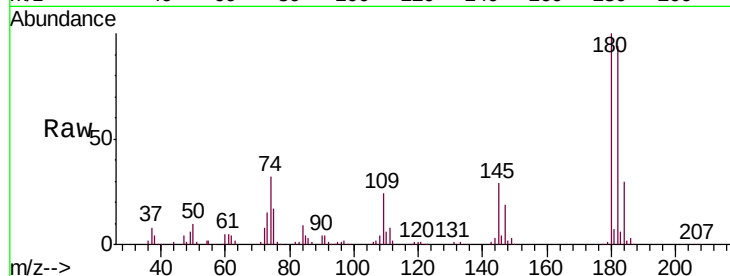
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V





#67
 1,3,5-Trichlorobenzene
 Concen: 51.806 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU033100.D
 Acq: 01 Jul 2019 09:06

Tgt Ion:	180	Resp:	123498
Ion	Ratio	Lower	Upper
180	100		
182	94.0	78.3	117.5
184	30.2	24.8	37.2
145	29.4	23.4	35.2



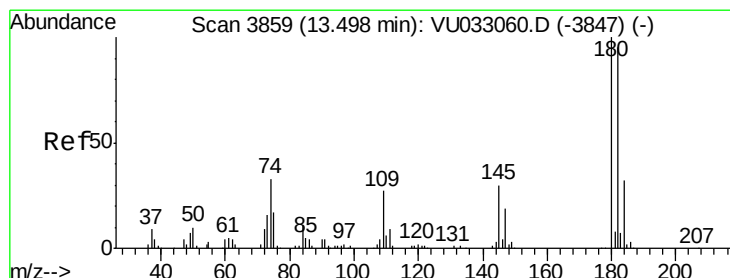
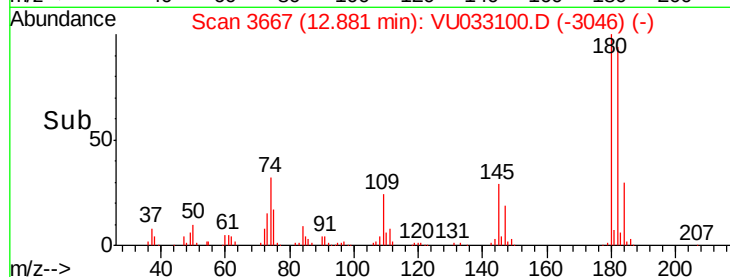
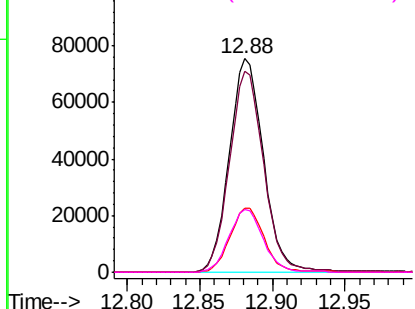
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

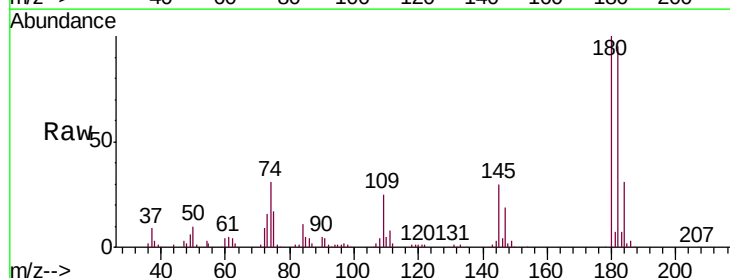
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.554 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU033100.D
 Acq: 01 Jul 2019 09:06

Tgt Ion:	180	Resp:	97544
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	30.3	23.8	35.8

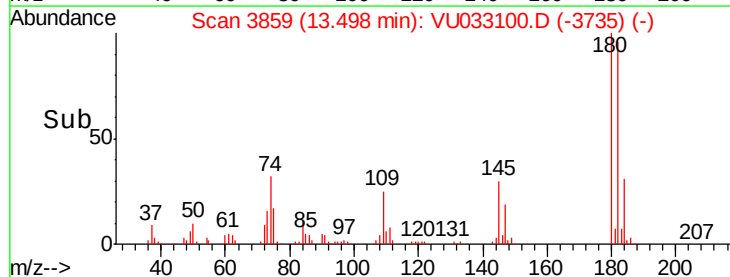
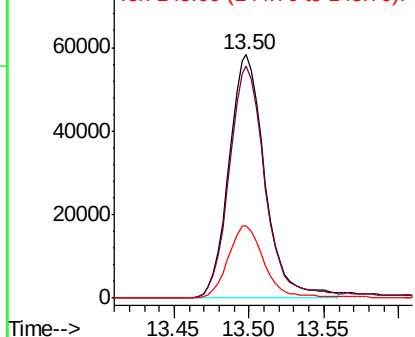


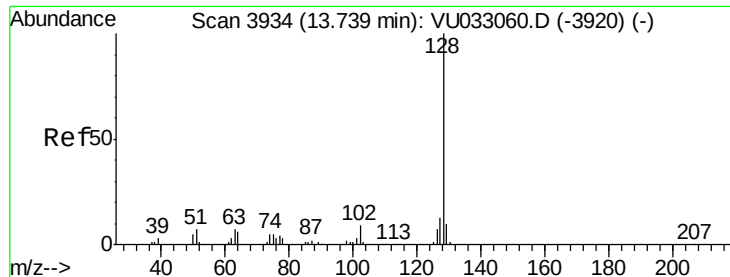
Abundance

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





#69

Naphthalene

Concen: 41.526 ug/L

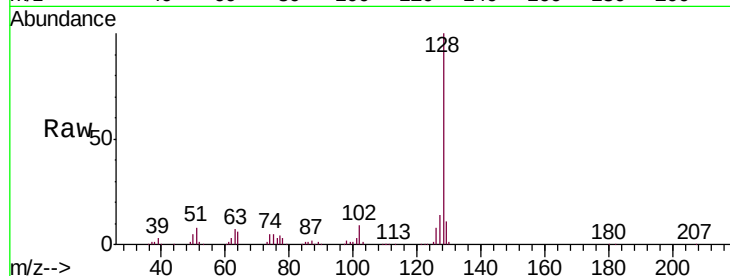
RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

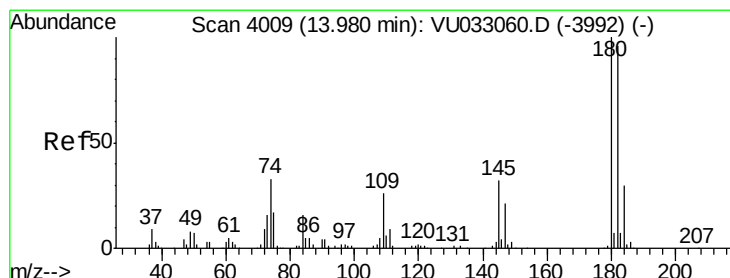
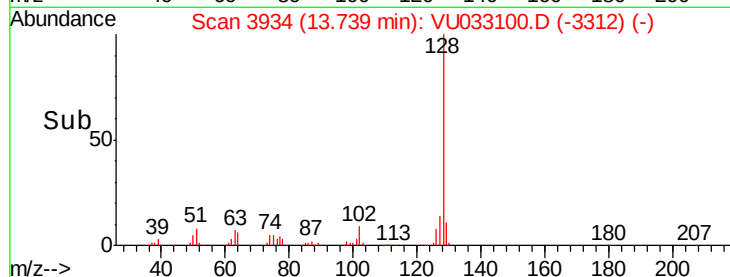
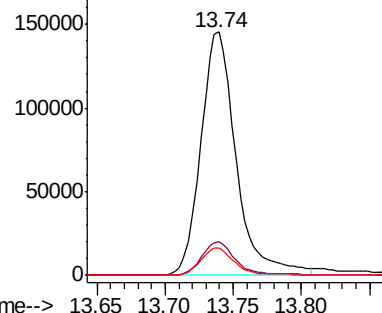
Lab File: VU033100.D

Acq: 01 Jul 2019 09:06

Tgt Ion:	128	Resp:	261895
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 200000 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.521 ug/L

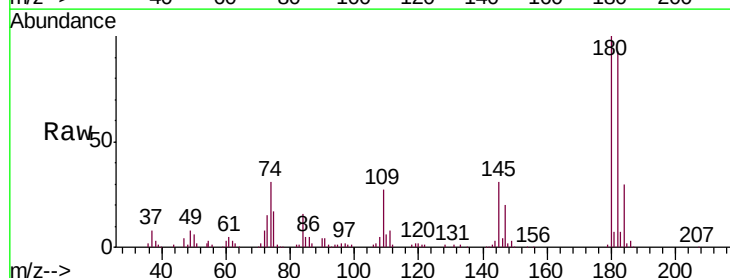
RT: 13.98 min Scan# 4009

Delta R.T. 0.00 min

Lab File: VU033100.D

Acq: 01 Jul 2019 09:06

Tgt Ion:	180	Resp:	107534
Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.0	115.6
145	30.9	25.5	38.3



Abundance Ion 180.00 (179.70 to 180.70): V
 80000 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

