

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081419\
 Data File : VU033799.D
 Acq On : 14 Aug 2019 15:41
 Operator : JC/SP
 Sample : MDL02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 16 12:36:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 15 14:46:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	174157	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	184501	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	84835	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	88573	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.67	69	71813	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.26	65	42798	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	4.19	46	191354	50.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.48%
24) Chloroform-d	4.62	84	134859	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.29	65	74692	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.31	84	258661	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.31	67	83439	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.55	98	222876	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	7.84	79	31883	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.30	63	132497	46.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.48%
56) 1,1,2,2-Tetrachloroethane-	10.42	84	70623	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
66) 1,2-Dichlorobenzene-d4	11.85	152	85958	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	6901	0.273 ug/L	99
3) Chloromethane	1.32	50	7509	0.287 ug/L	100
5) Vinyl chloride	1.39	62	8180	0.286 ug/L #	73
6) Bromomethane	1.62	94	5113	0.308 ug/L	93
8) Chloroethane	1.69	64	4801	0.285 ug/L	94
9) Trichlorofluoromethane	1.87	101	10966	0.280 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	6533	0.315 ug/L	99
12) 1,1-Dichloroethene	2.27	96	6682	0.333 ug/L #	1
13) Acetone	2.34	43	12048	2.968 ug/L #	52
14) Carbon disulfide	2.46	76	20262	0.297 ug/L	96
15) Methyl Acetate	2.61	43	2565	0.243 ug/L #	79
16) Methylene chloride	2.68	84	9611	0.410 ug/L	89
17) Methyl tert-butyl Ether	2.98	73	14120	0.272 ug/L #	92
18) trans-1,2-Dichloroethene	2.96	96	6536	0.303 ug/L	93
19) 1,1-Dichloroethane	3.42	63	9483	0.281 ug/L	92
21) 2-Butanone	4.28	43	10928	2.175 ug/L	96
22) cis-1,2-Dichloroethene	4.20	96	5144	0.280 ug/L	96

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QLast Update : Thu Aug 15 14:46:32 2019

Response via : Initial Calibration

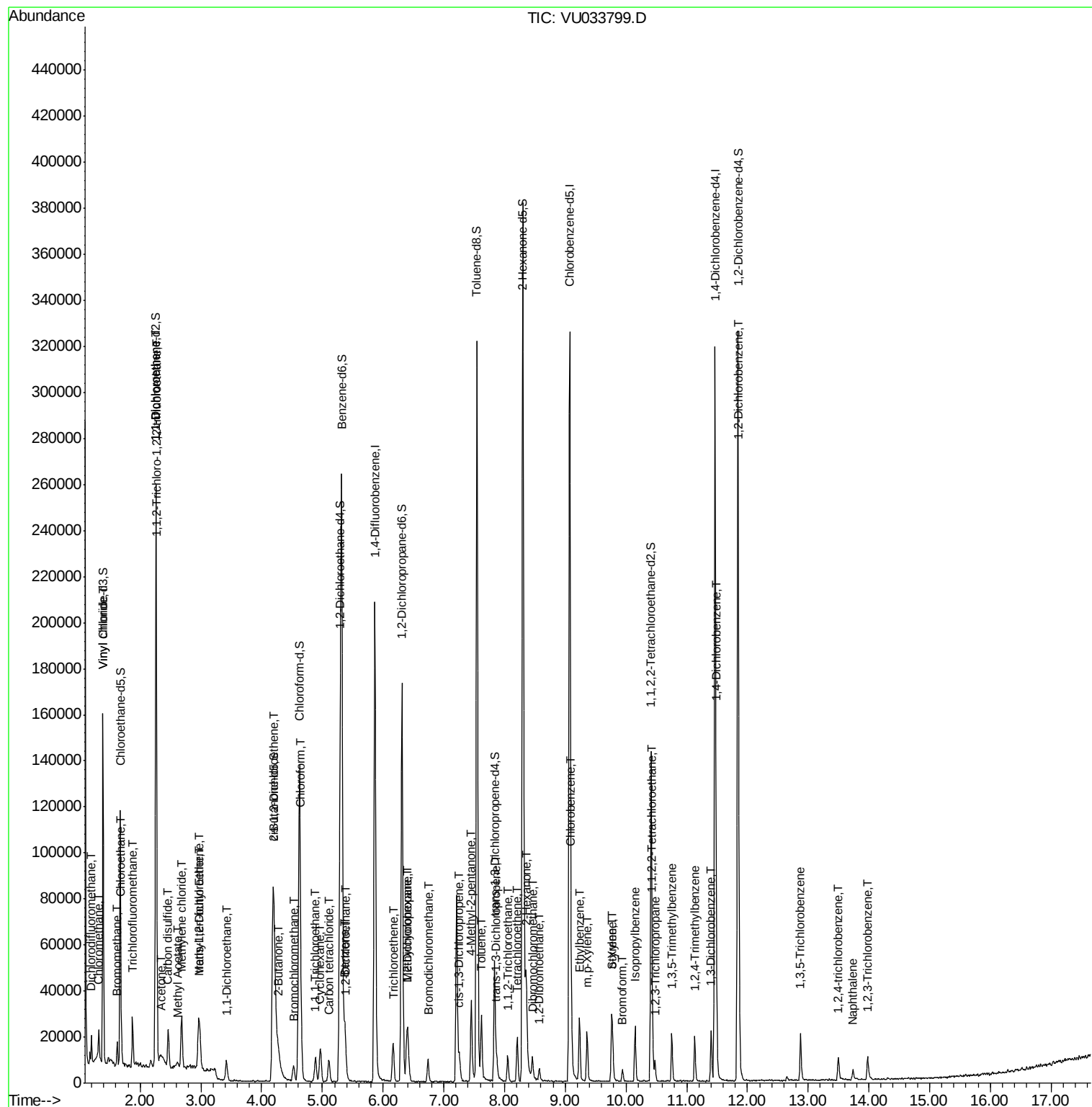
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

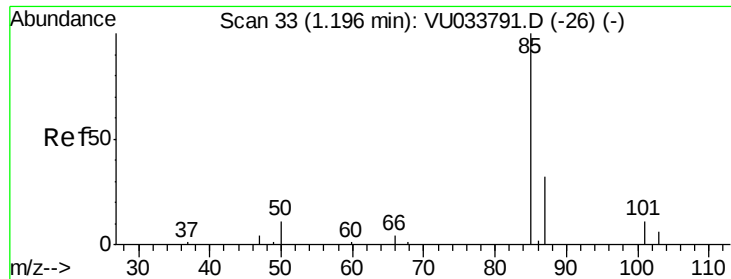
23) Bromochloromethane	4.53	128	2139	0.243	ug/L	90
25) Chloroform	4.65	83	13767	0.380	ug/L	98
27) 1,2-Dichloroethane	5.39	62	6485	0.290	ug/L #	90
29) 1,1,1-Trichloroethane	4.89	97	7991	0.266	ug/L	99
30) Cyclohexane	4.97	56	6668	0.245	ug/L #	90
31) Carbon tetrachloride	5.11	117	7381	0.276	ug/L	95
33) Benzene	5.37	78	20299	0.275	ug/L	100
34) Trichloroethene	6.17	95	5360	0.277	ug/L	91
35) Methylcyclohexane	6.39	83	6800	0.234	ug/L	95
37) 1,2-Dichloropropane	6.41	63	4861	0.244	ug/L #	90
38) Bromodichloromethane	6.74	83	6757	0.269	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	7221	0.268	ug/L	93
40) 4-Methyl-2-pentanone	7.45	43	25284	2.194	ug/L #	86
42) Toluene	7.62	91	19704	0.254	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	5516m	0.245	ug/L	
45) 1,1,2-Trichloroethane	8.05	97	3715	0.261	ug/L	94
47) Tetrachloroethene	8.21	164	4319	0.268	ug/L	86
48) 2-Hexanone	8.36	43	27518	3.302	ug/L	95
49) Dibromochloromethane	8.46	129	4698	0.272	ug/L	97
50) 1,2-Dibromoethane	8.57	107	3523	0.256	ug/L #	97
51) Chlorobenzene	9.10	112	13442	0.269	ug/L	92
52) Ethylbenzene	9.23	91	18609	0.232	ug/L	99
53) m,p-Xylene	9.36	106	6373	0.211	ug/L	93
54) o-Xylene	9.76	106	5753	0.200	ug/L	89
55) Styrene	9.78	104	9117	0.183	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.44	83	5190	0.277	ug/L #	97
59) Isopropylbenzene	10.15	105	15491	0.240	ug/L	97
60) Bromoform	9.94	173	2394	0.276	ug/L #	94
61) 1,2,3-Trichloropropane	10.48	75	3167	0.281	ug/L	97
62) 1,3,5-Trimethylbenzene	10.76	105	11396	0.217	ug/L	98
63) 1,2,4-Trimethylbenzene	11.13	105	10908	0.208	ug/L	93
64) 1,3-Dichlorobenzene	11.40	146	9284	0.268	ug/L	97
65) 1,4-Dichlorobenzene	11.49	146	9812	0.276	ug/L	94
67) 1,2-Dichlorobenzene	11.86	146	9943	0.298	ug/L	94
69) 1,3,5-Trichlorobenzene	12.88	180	6991	0.257	ug/L	94
70) 1,2,4-trichlorobenzene	13.49	180	4058	0.192	ug/L	87
71) Naphthalene	13.74	128	6799m	0.209	ug/L	
72) 1,2,3-Trichlorobenzene	13.98	180	4145	0.208	ug/L	96

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

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#2

Dichlorodifluoromethane

Concen: 0.273 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033799.D

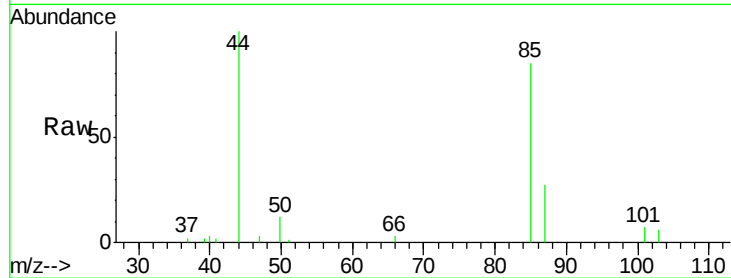
Acq: 14 Aug 2019 15:41

Tot Ion: 85 Resp: 6901

Ion Ratio Lower Upper

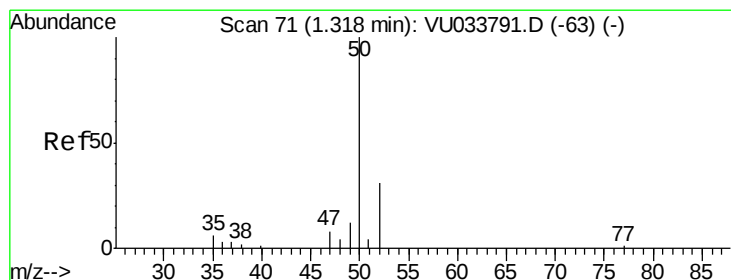
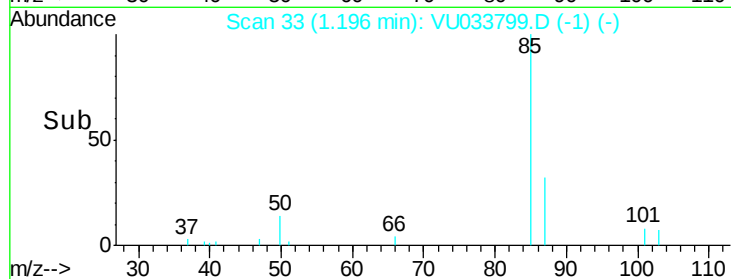
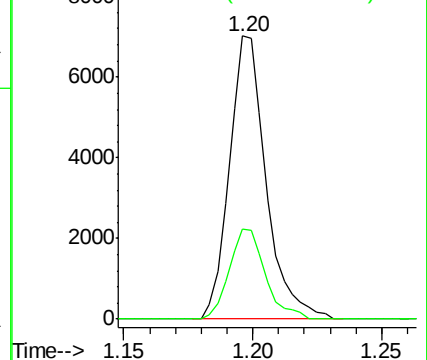
85 100

87 31.3 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.287 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033799.D

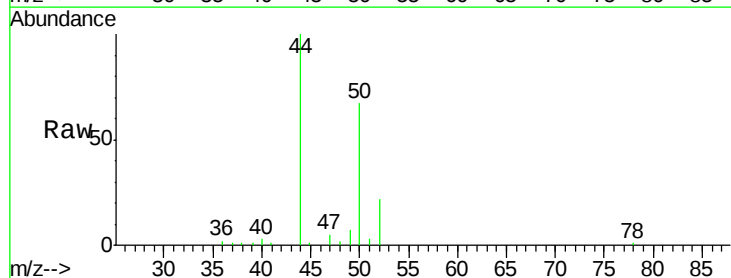
Acq: 14 Aug 2019 15:41

Tgt Ion: 50 Resp: 7509

Ion Ratio Lower Upper

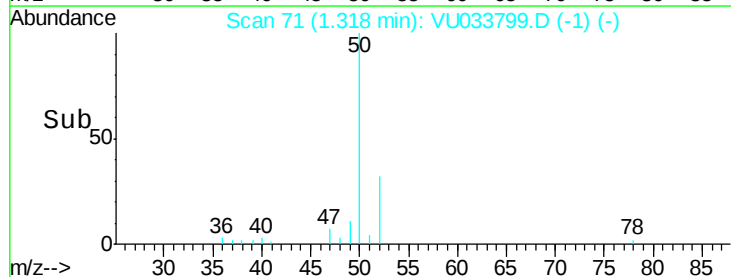
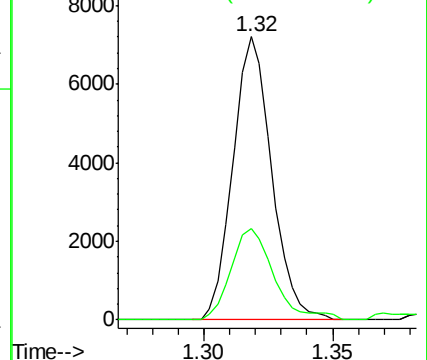
50 100

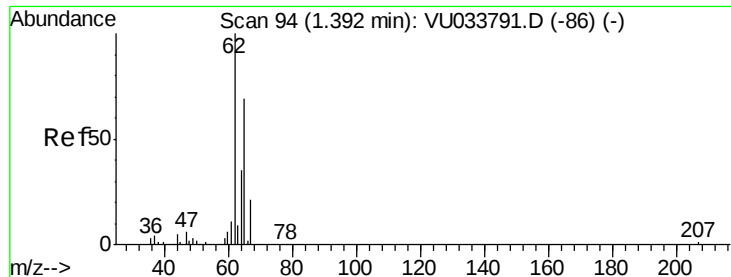
52 32.2 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 0.286 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033799.D

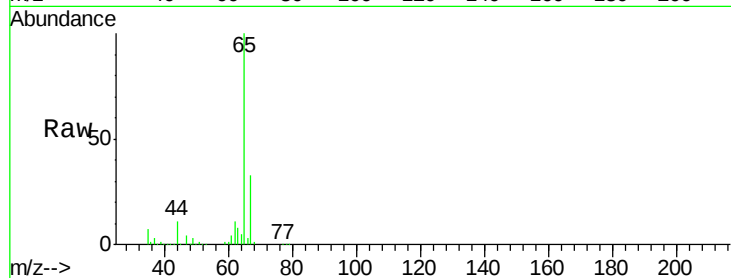
Acq: 14 Aug 2019 15:41

Tot Ion: 62 Resp: 8180

Ion Ratio Lower Upper

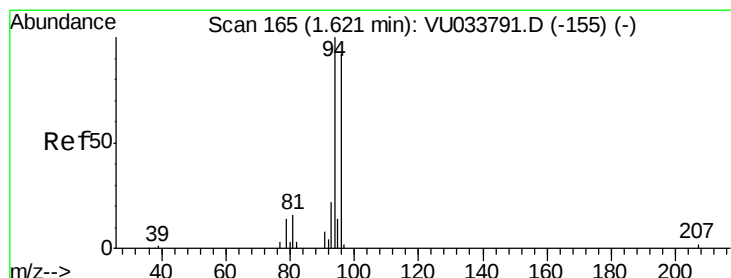
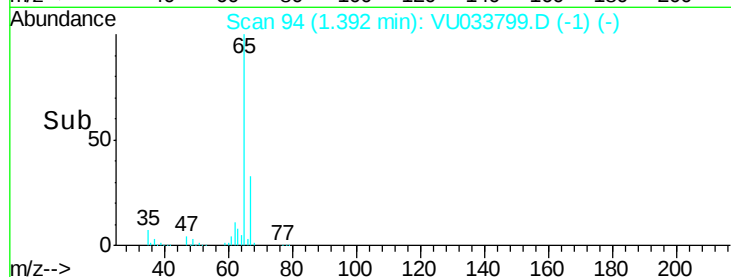
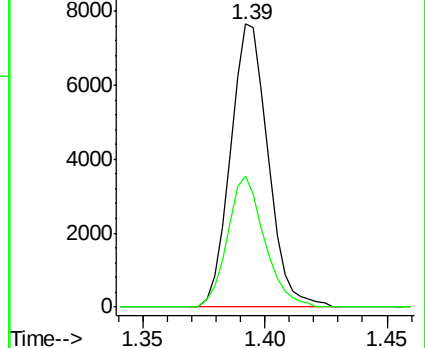
62 100

64 46.4 21.9 40.7#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 0.308 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033799.D

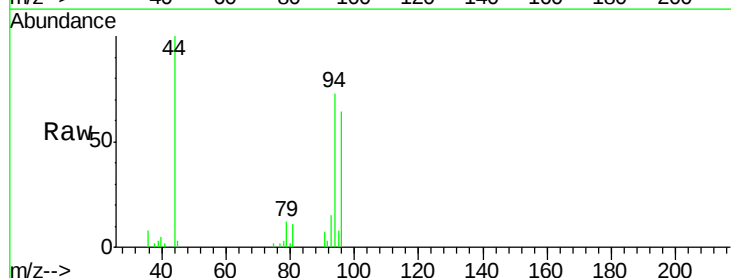
Acq: 14 Aug 2019 15:41

Tgt Ion: 94 Resp: 5113

Ion Ratio Lower Upper

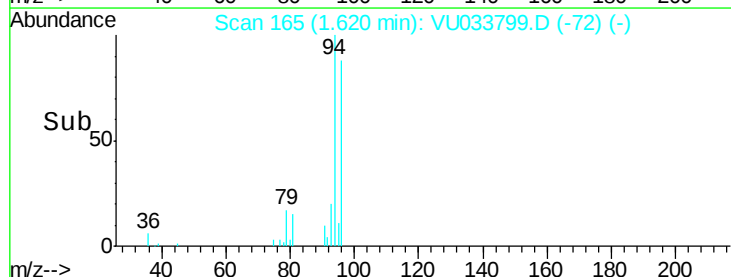
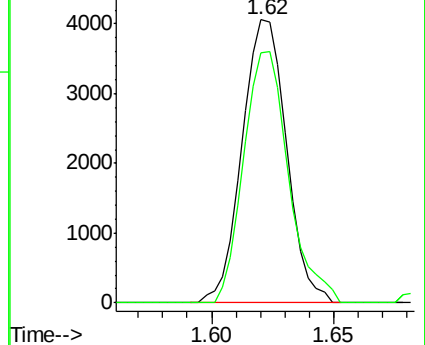
94 100

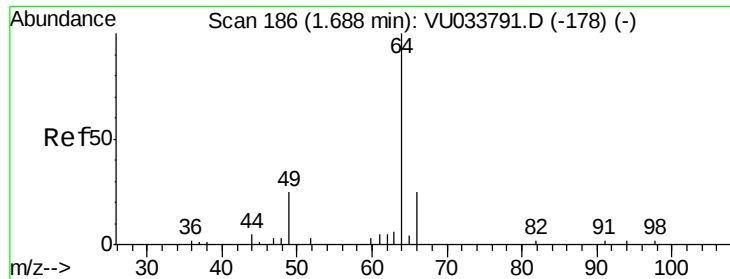
96 88.5 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.285 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU033799.D

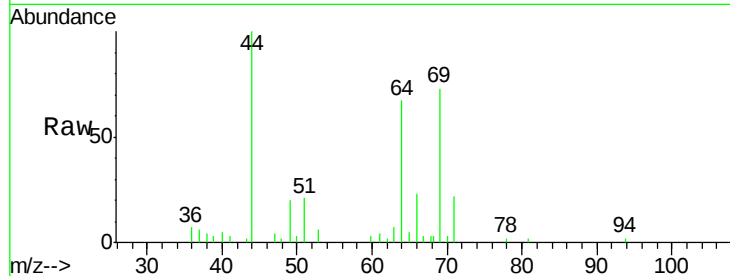
Acq: 14 Aug 2019 15:41

Tot Ion: 64 Resp: 4801

Ion Ratio Lower Upper

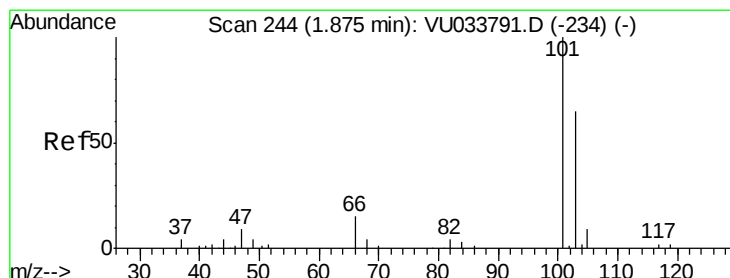
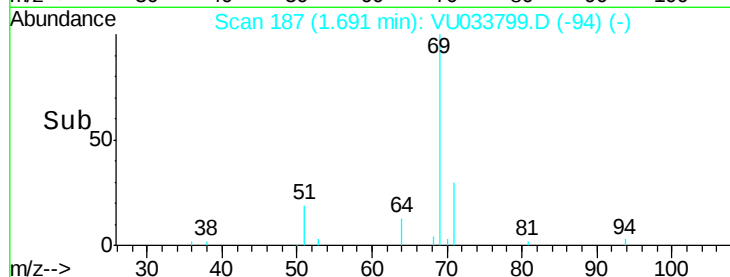
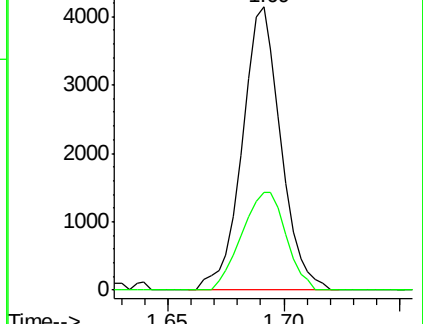
64 100

66 34.5 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU033799.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU033799.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 0.280 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033799.D

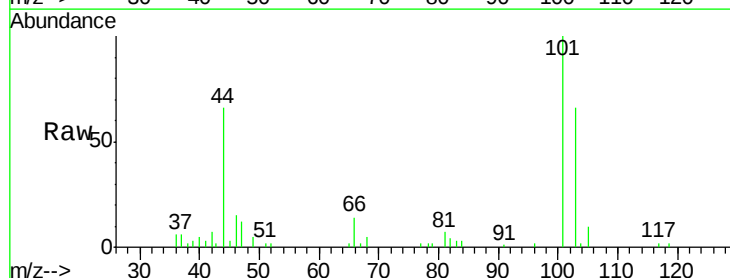
Acq: 14 Aug 2019 15:41

Tgt Ion:101 Resp: 10966

Ion Ratio Lower Upper

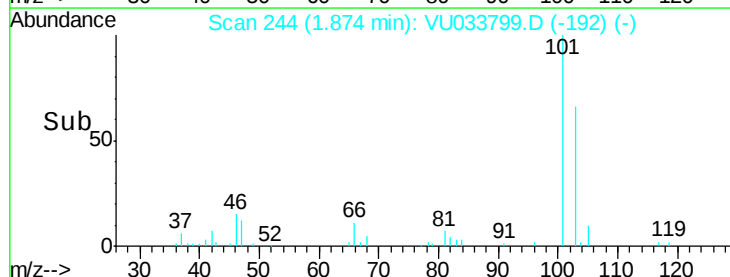
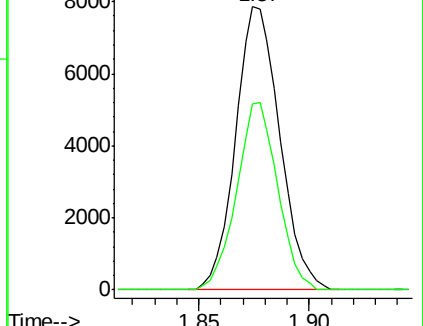
101 100

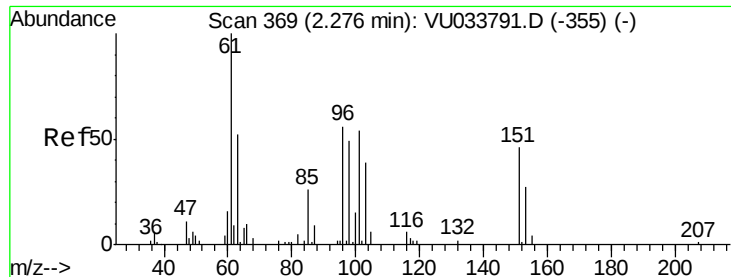
103 61.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU033799.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU033799.D (-234) (-)





#10

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

Concen: 0.315 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU033799.D

Acq: 14 Aug 2019 15:41

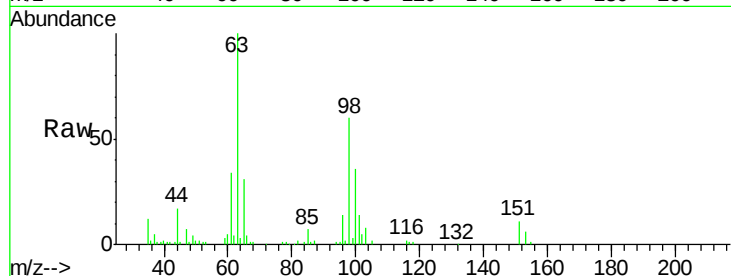
Tot Ion:101 Resp: 6533

Ion Ratio Lower Upper

101 100

85 44.2 36.2 54.2

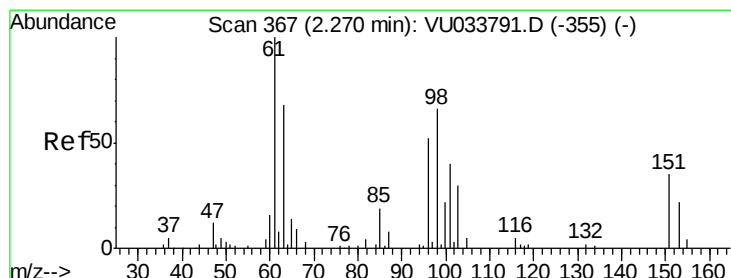
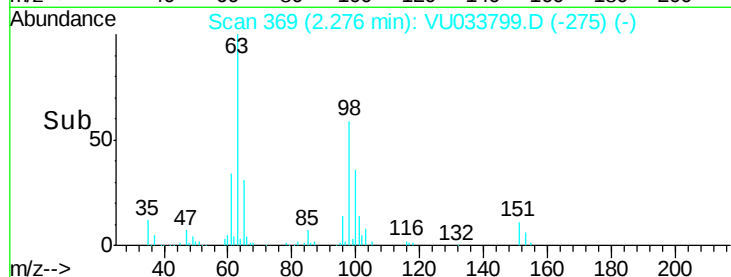
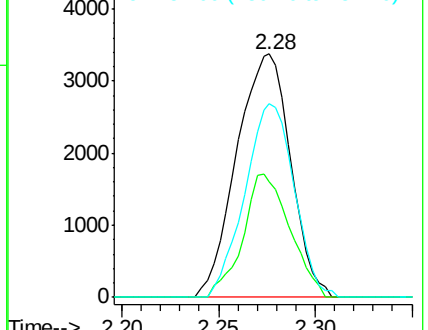
151 73.0 58.7 88.1



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: 0.333 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033799.D

Acq: 14 Aug 2019 15:41

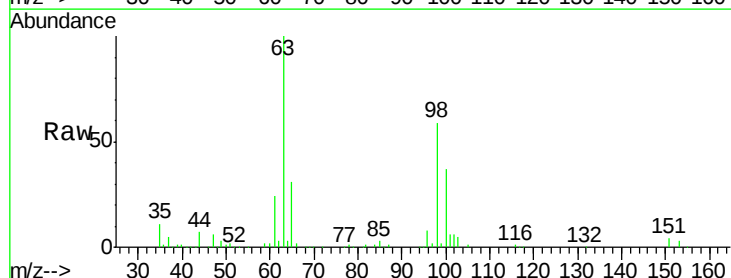
Tgt Ion: 96 Resp: 6682

Ion Ratio Lower Upper

96 100

61 305.0 123.8 230.0#

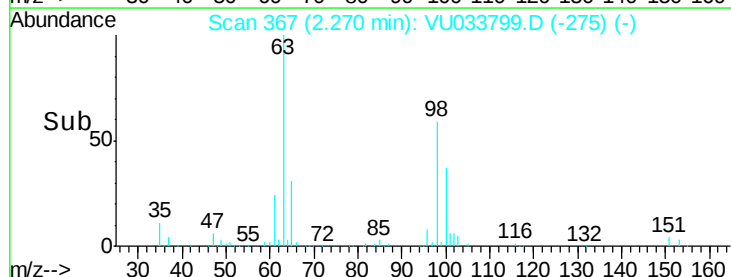
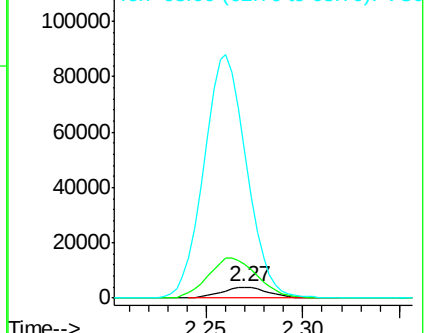
63 1291.2 78.0 144.9#

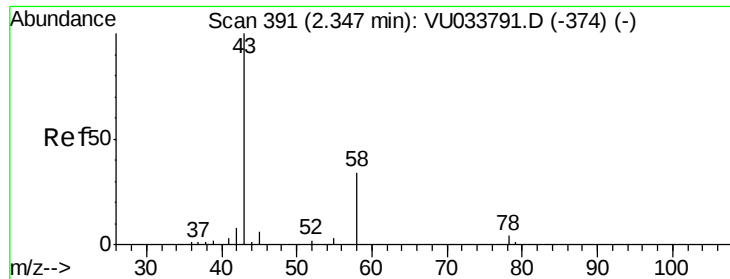


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.968 ug/L

RT: 2.34 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU033799.D

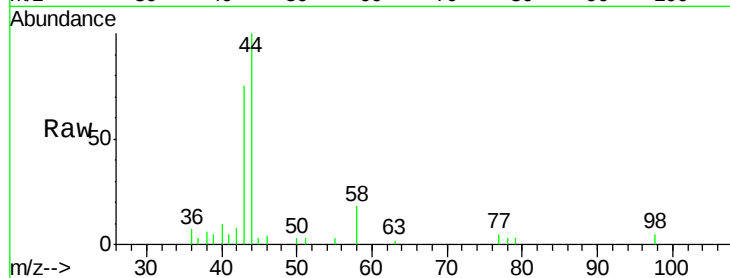
Acq: 14 Aug 2019 15:41

Tot Ion: 43 Resp: 12048

Ion Ratio Lower Upper

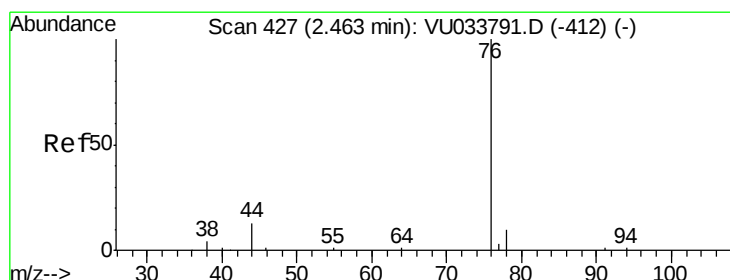
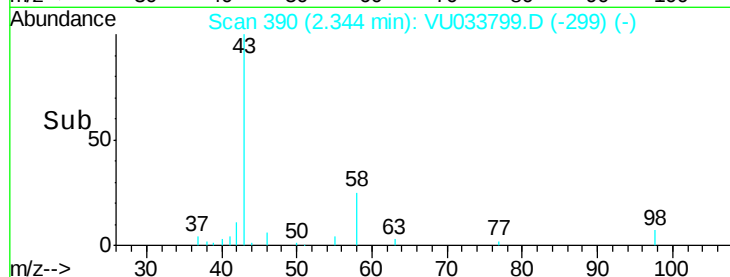
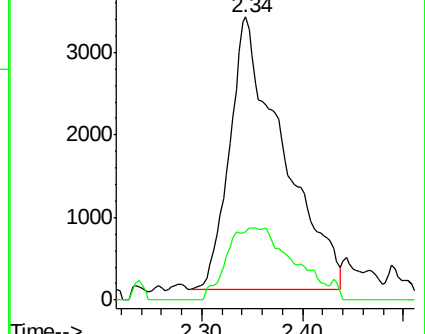
43 100

58 33.0 0.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU033799.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU033799.D (-374) (-)



#14

Carbon disulfide

Concen: 0.297 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033799.D

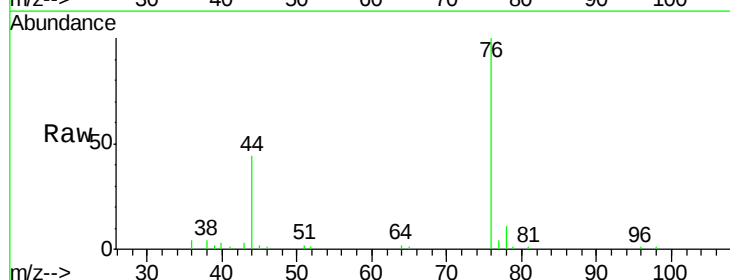
Acq: 14 Aug 2019 15:41

Tgt Ion: 76 Resp: 20262

Ion Ratio Lower Upper

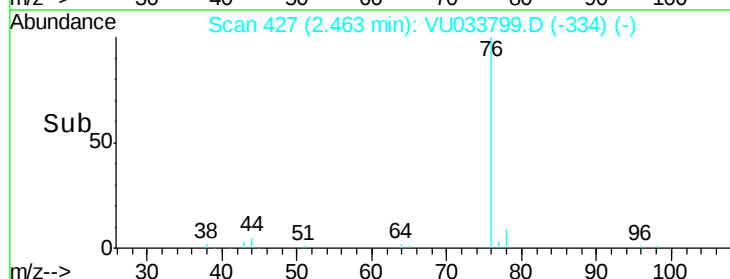
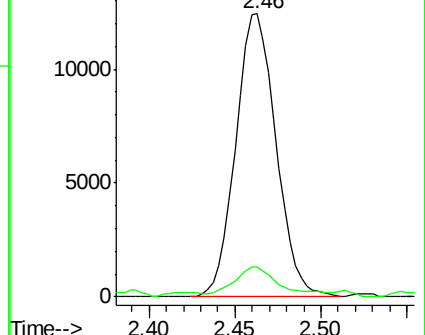
76 100

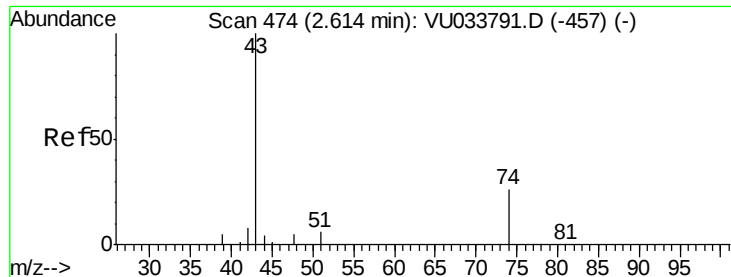
78 10.6 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU033799.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU033799.D (-334) (-)





#15

Methyl Acetate

Concen: 0.243 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU033799.D

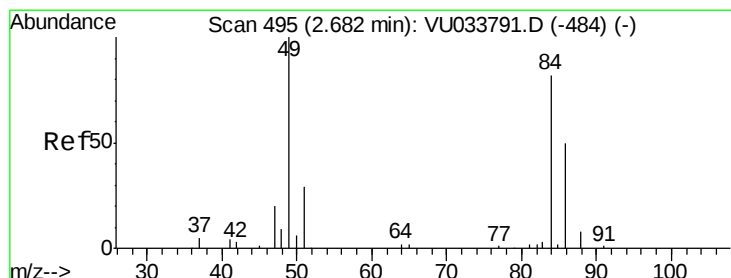
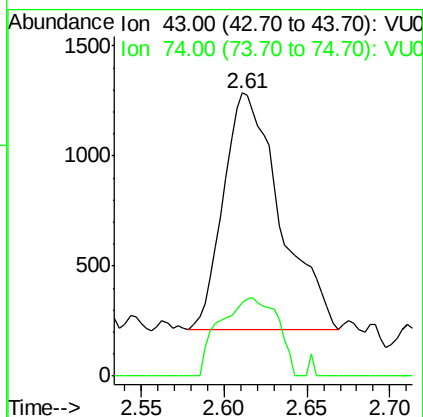
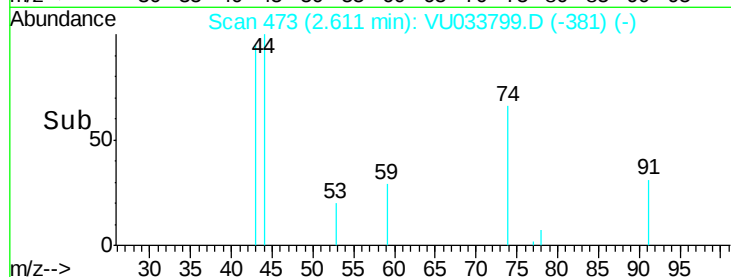
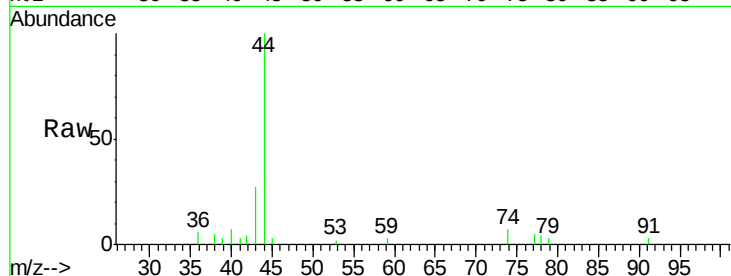
Acq: 14 Aug 2019 15:41

Tot Ion: 43 Resp: 2565

Ion Ratio Lower Upper

43 100

74 33.8 18.8 28.2#



#16

Methylene chloride

Concen: 0.410 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU033799.D

Acq: 14 Aug 2019 15:41

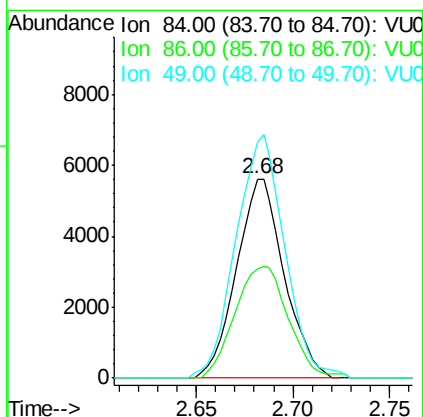
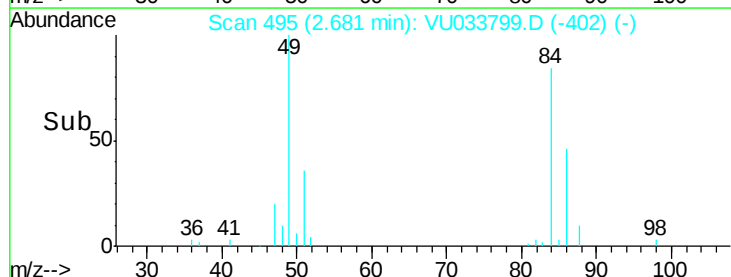
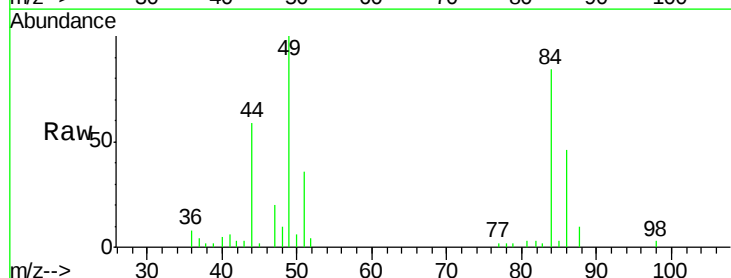
Tgt Ion: 84 Resp: 9611

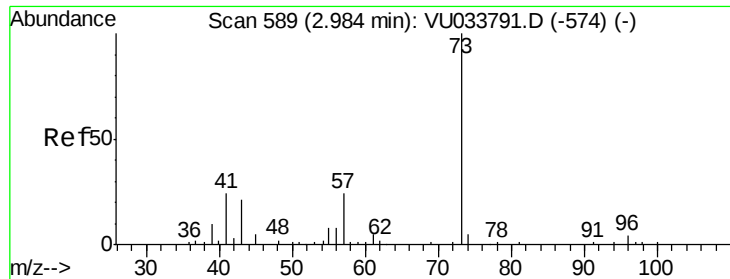
Ion Ratio Lower Upper

84 100

86 54.9 46.0 85.4

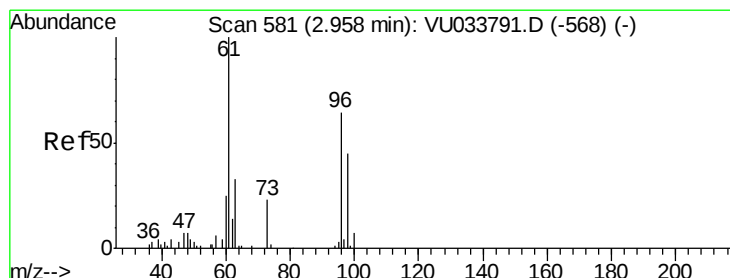
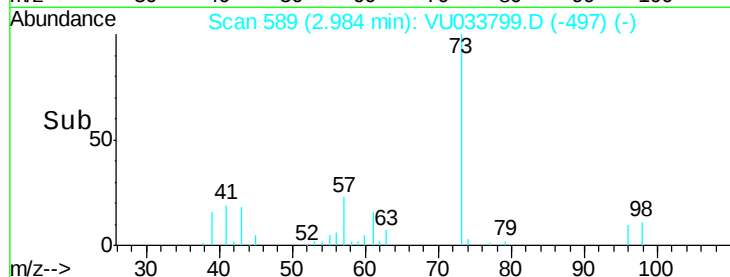
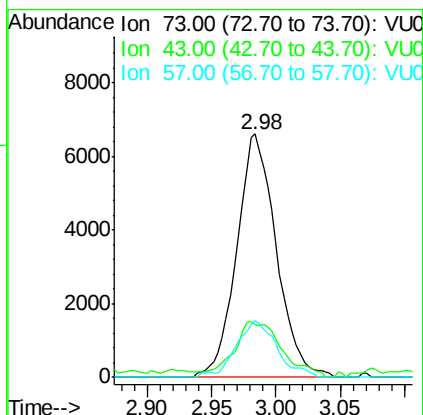
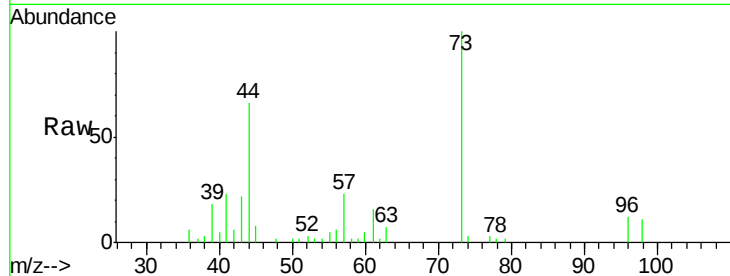
49 118.8 90.4 168.0





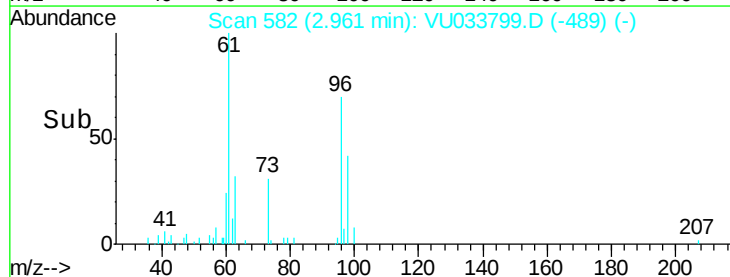
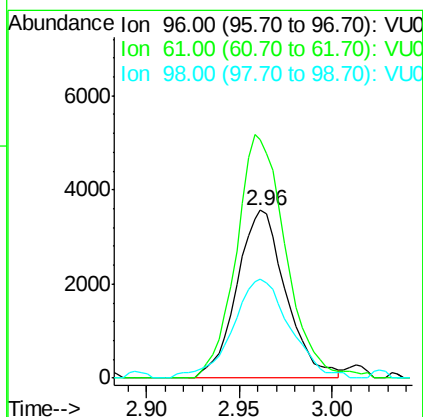
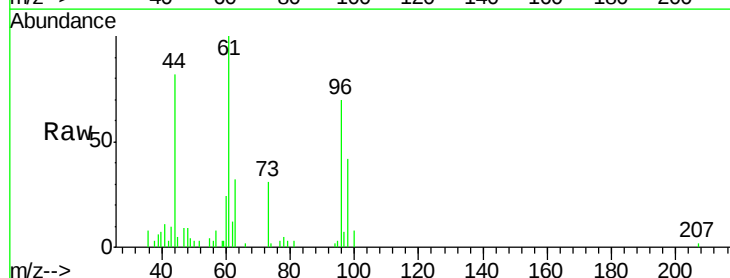
#17
Methvl tert-butvl Ether
Concen: 0.272 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

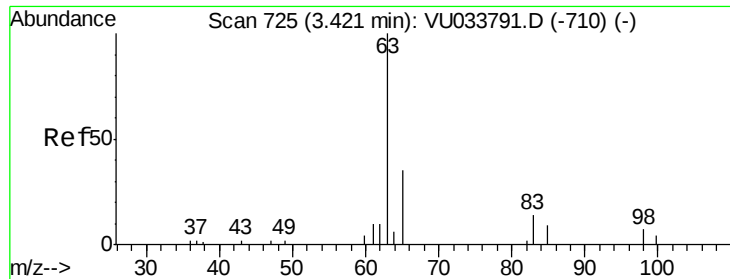
Tot Ion: 73 Resp: 14120
Ion Ratio Lower Upper
73 100
43 27.5 16.2 24.4#
57 24.1 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 0.303 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

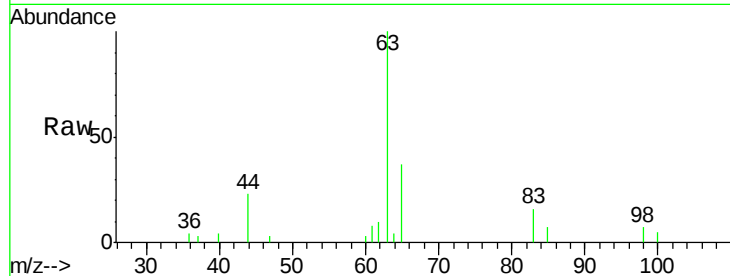
Tgt Ion: 96 Resp: 6536
Ion Ratio Lower Upper
96 100
61 142.4 107.2 199.0
98 59.2 43.0 79.8



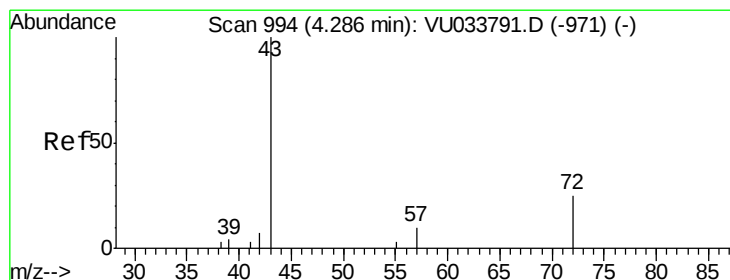
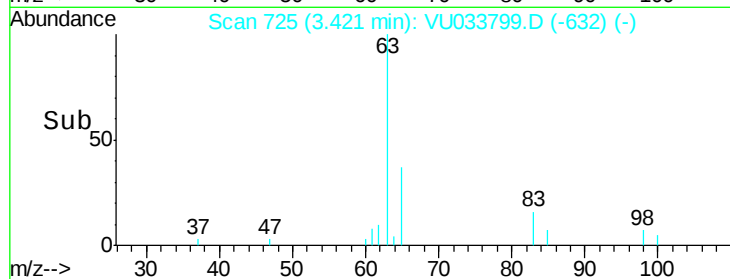
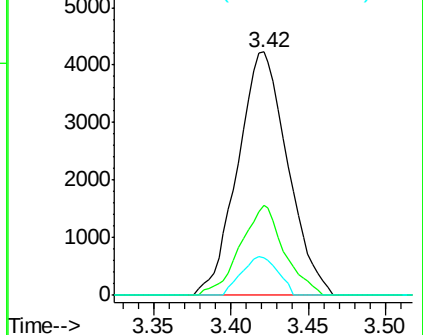


#19
 1,1-Dichloroethane
 Concen: 0.281 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

Tot Ion: 63 Resp: 9483
 Ion Ratio Lower Upper
 63 100
 65 37.2 22.4 41.6
 83 15.6 9.7 17.9

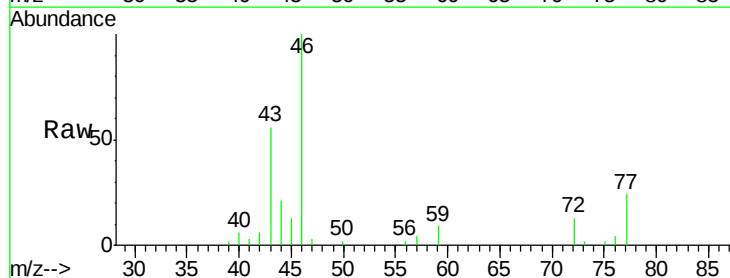


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

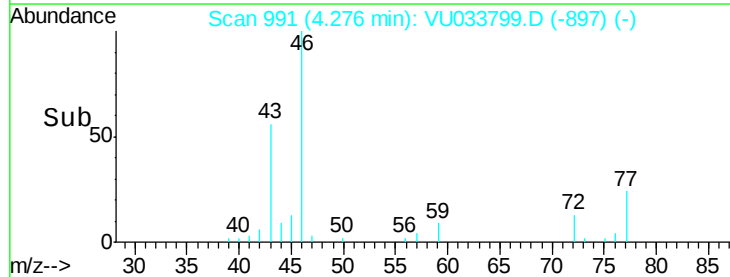
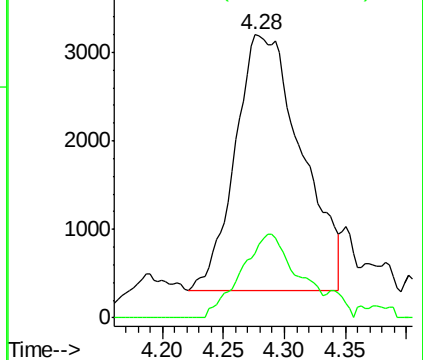


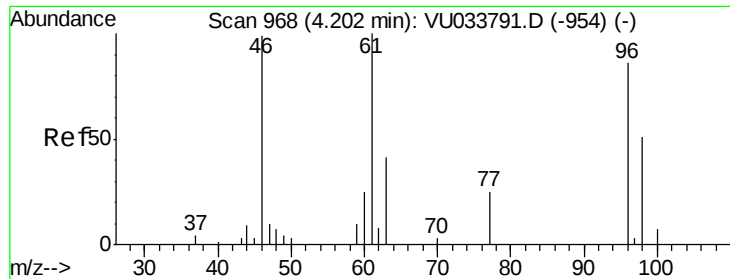
#21
 2-Butanone
 Concen: 2.175 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

Tgt Ion: 43 Resp: 10928
 Ion Ratio Lower Upper
 43 100
 72 28.0 13.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0

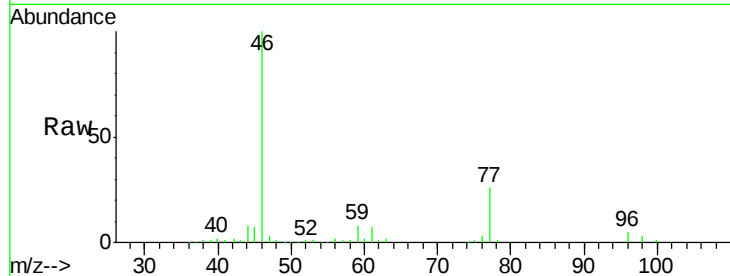




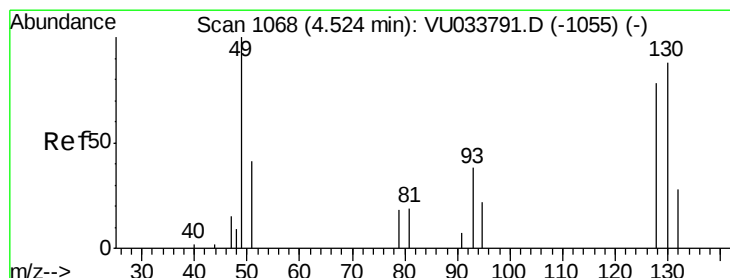
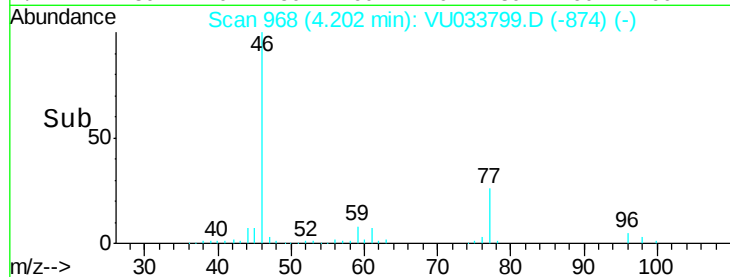
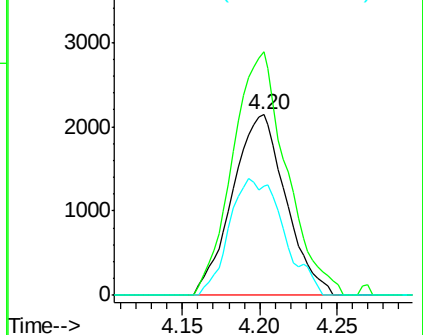
#22

cis-1,2-Dichloroethene
Concen: 0.280 ug/L
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

Tot Ion: 96 Resp: 5144
Ion Ratio Lower Upper
96 100
61 135.0 91.7 170.3
98 60.2 45.1 83.9



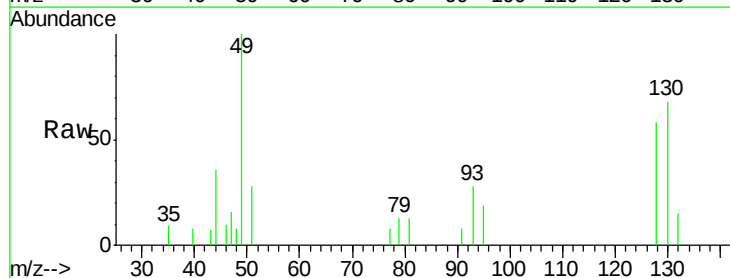
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



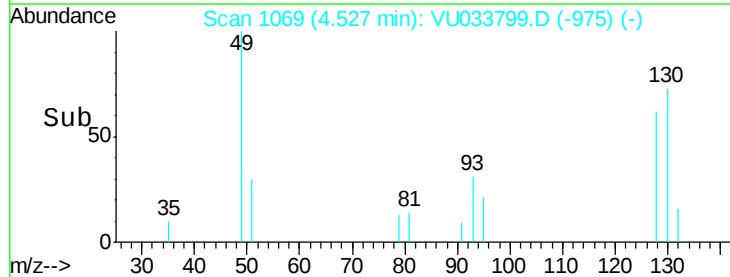
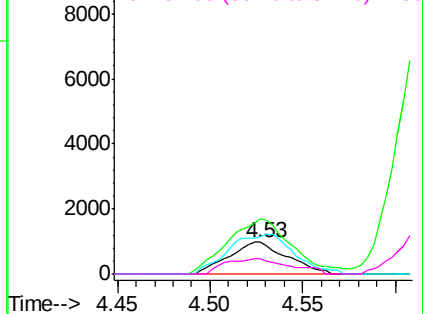
#23

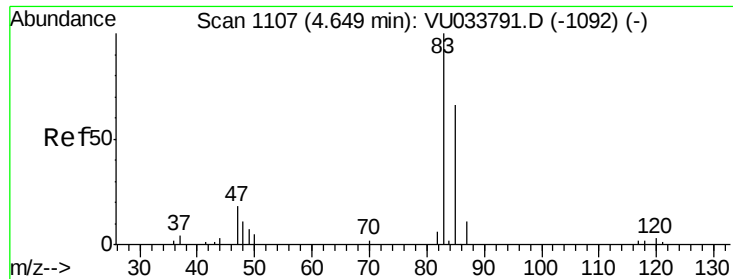
Bromochloromethane
Concen: 0.243 ug/L
RT: 4.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

Tgt Ion: 128 Resp: 2139
Ion Ratio Lower Upper
128 100
49 171.8 106.8 198.4
130 117.4 88.3 164.1
51 47.7 40.3 60.5



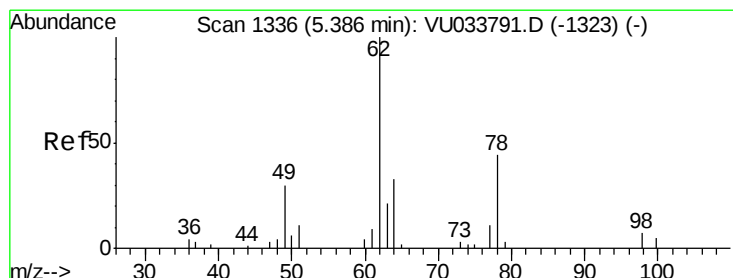
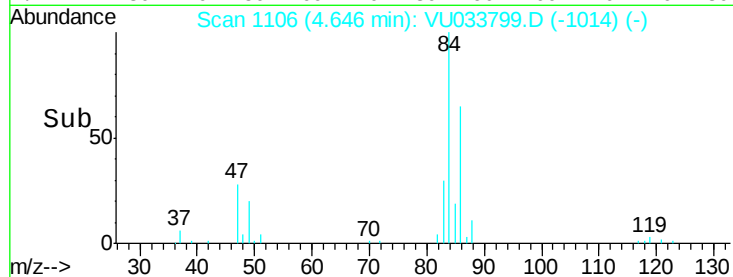
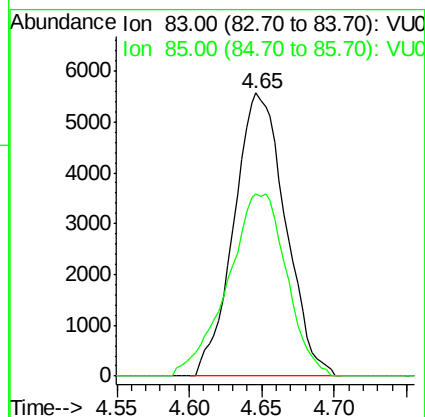
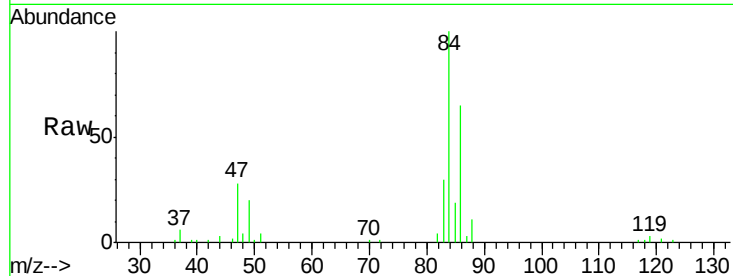
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VU0





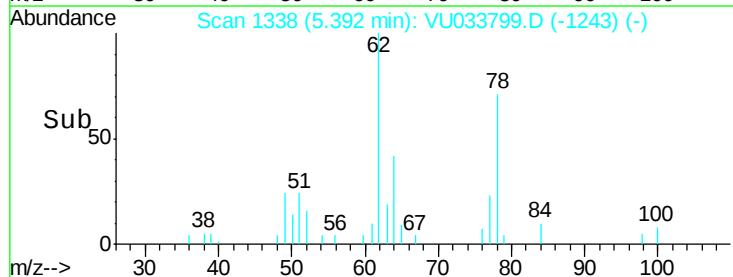
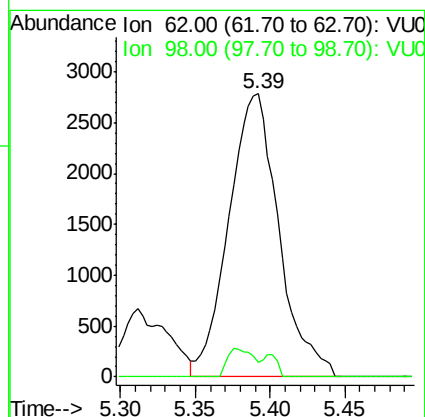
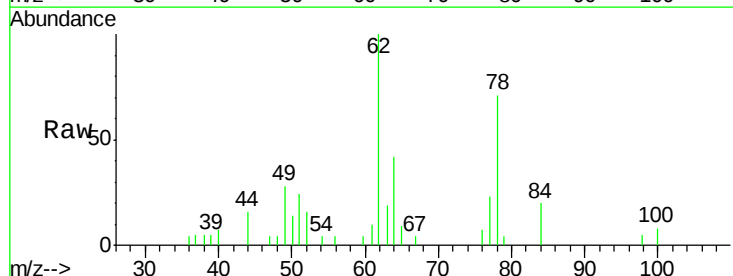
#25
Chloroform
Concen: 0.380 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

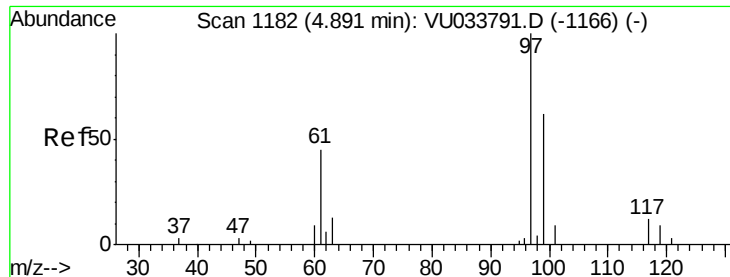
Tot Ion: 83 Resp: 13767
Ion Ratio Lower Upper
83 100
85 64.5 44.2 82.0



#27
1,2-Dichloroethane
Concen: 0.290 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

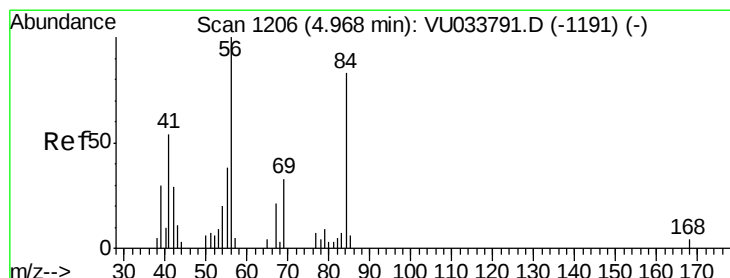
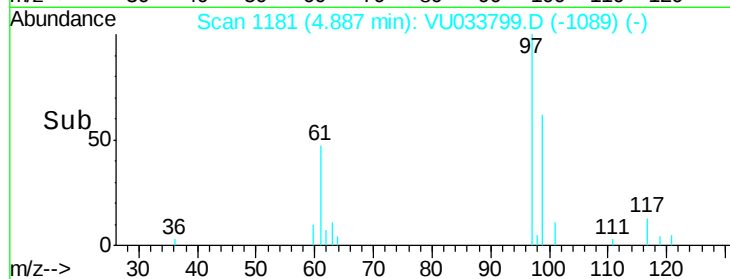
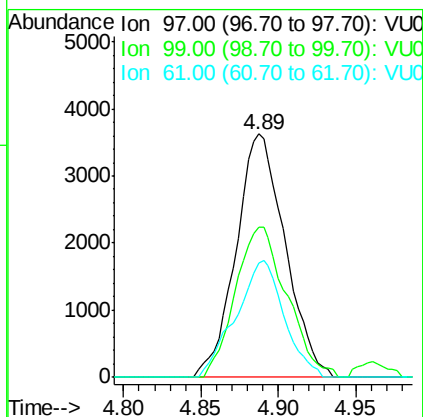
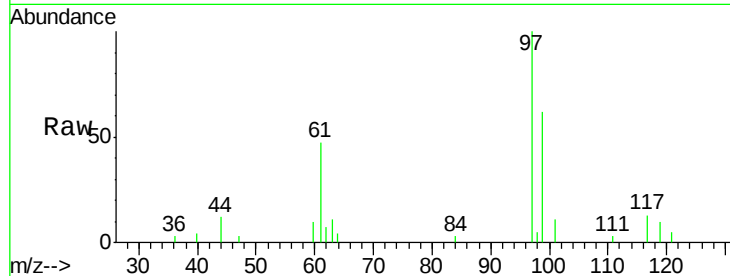
Tgt Ion: 62 Resp: 6485
Ion Ratio Lower Upper
62 100
98 5.4 7.4 11.0#





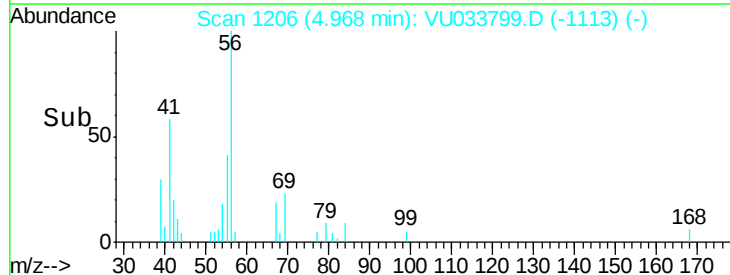
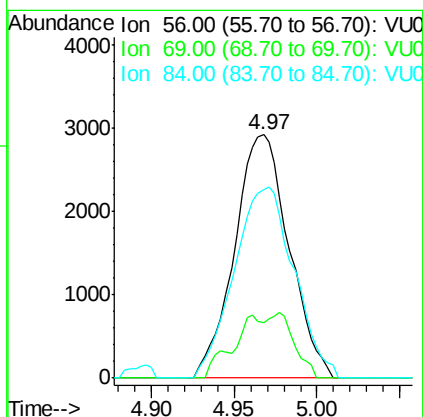
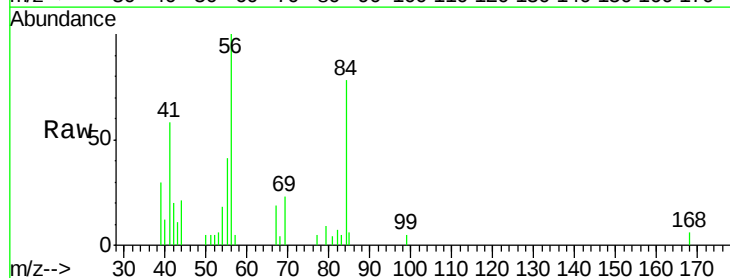
#29
 1,1,1-Trichloroethane
 Concen: 0.266 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

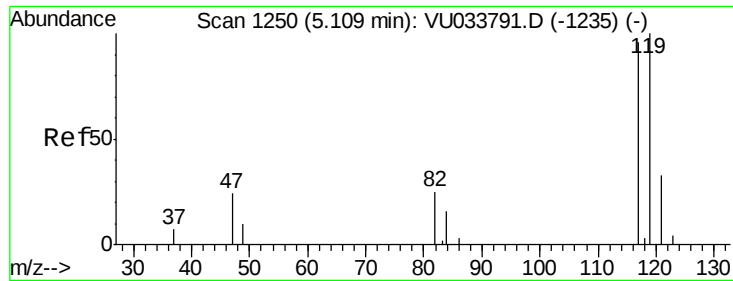
Tot Ion:	97	Resp:	7991
Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.8	76.2
61	47.3	37.4	56.0



#30
 Cyclohexane
 Concen: 0.245 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

Tgt Ion:	56	Resp:	6668
Ion	Ratio	Lower	Upper
56	100		
69	13.0	25.2	37.8#
84	86.2	69.8	104.6





#31

Carbon tetrachloride

Concen: 0.276 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU033799.D

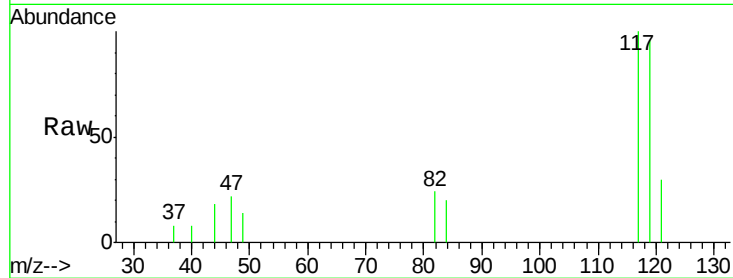
Acq: 14 Aug 2019 15:41

Tot Ion:117 Resp: 7381

Ion Ratio Lower Upper

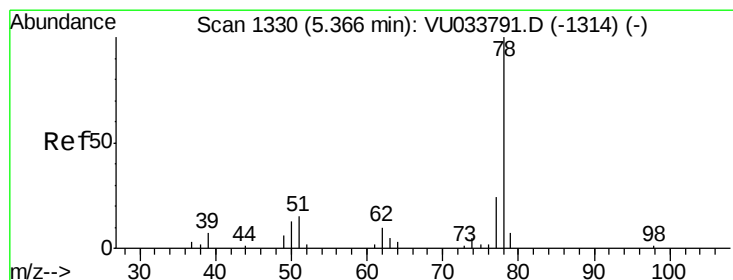
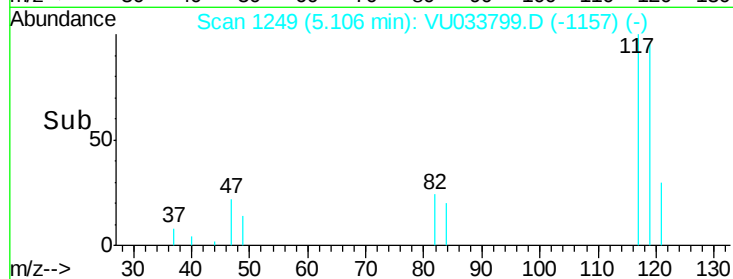
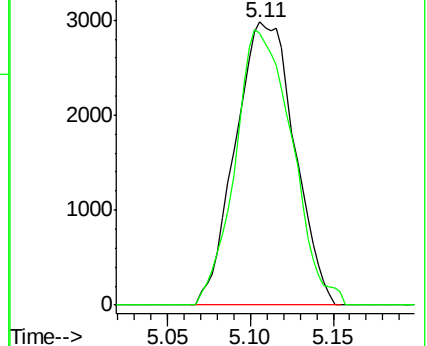
117 100

119 93.5 78.5 117.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 0.275 ug/L

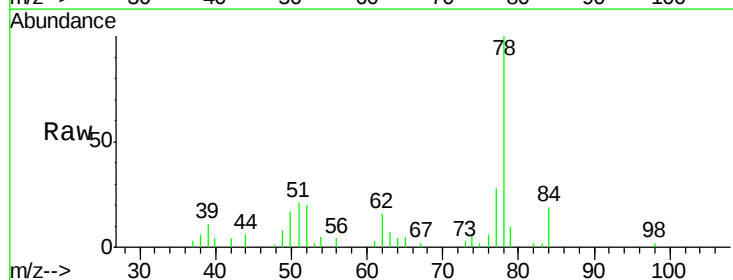
RT: 5.37 min Scan# 1331

Delta R.T. 0.00 min

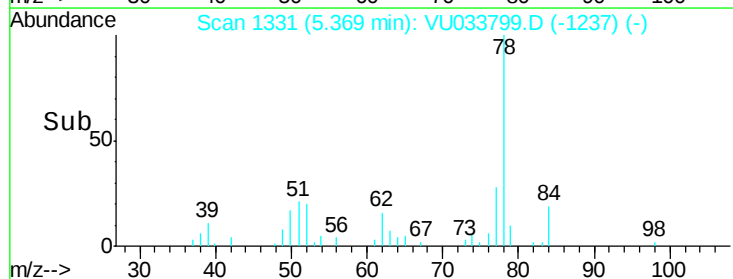
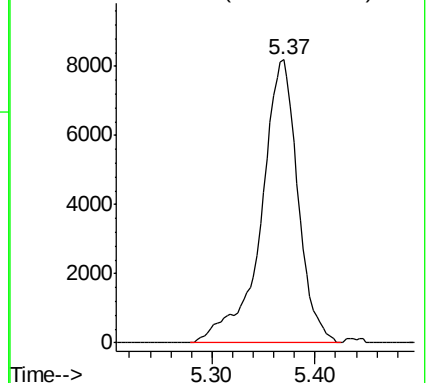
Lab File: VU033799.D

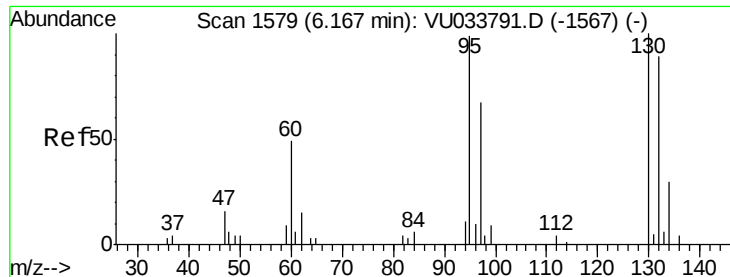
Acq: 14 Aug 2019 15:41

Tgt Ion: 78 Resp: 20299



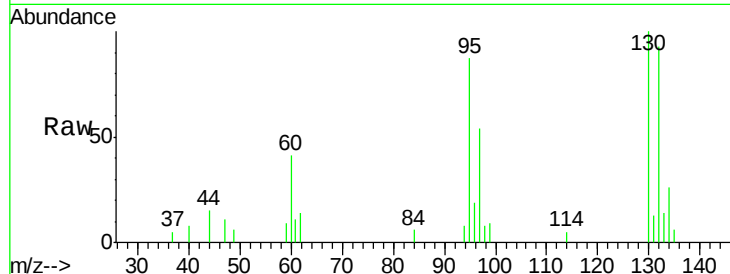
Abundance Ion 78.00 (77.70 to 78.70): VU0



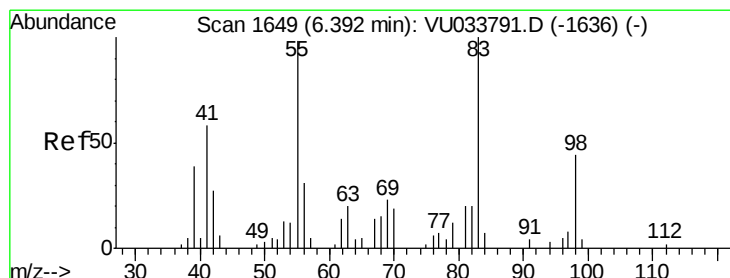
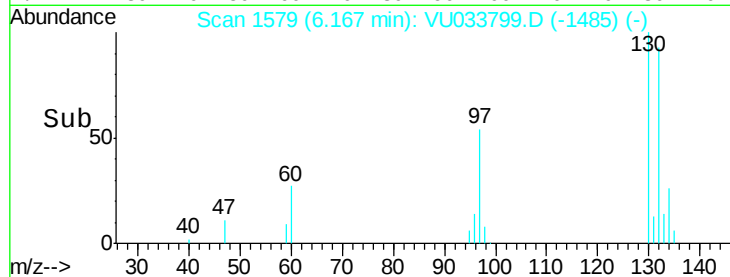
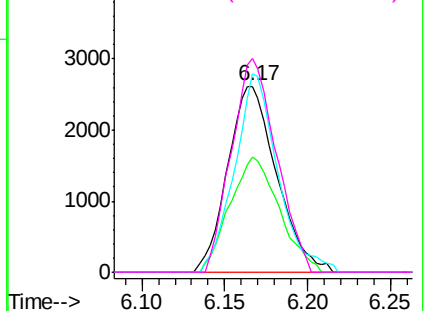


#34
 Trichloroethene
 Concen: 0.277 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

Tot Ion: 95 Resp: 5360
 Ion Ratio Lower Upper
 95 100
 97 62.0 45.4 84.4
 132 106.5 68.9 127.9
 130 114.7 70.5 130.9

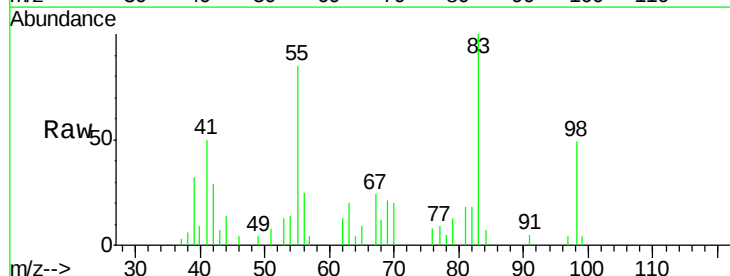


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

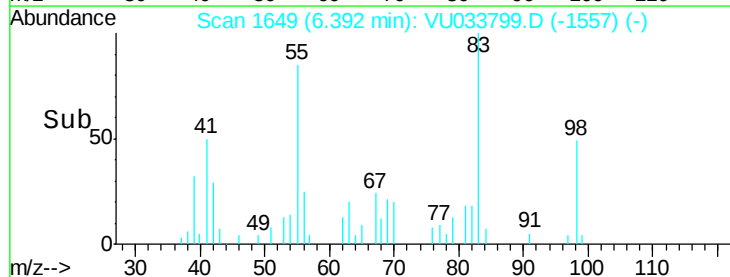
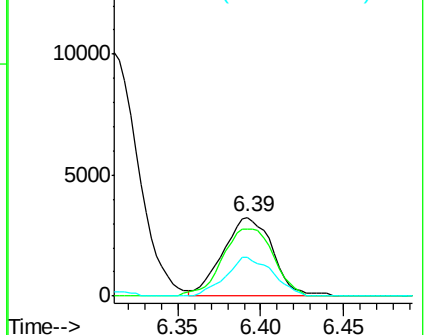


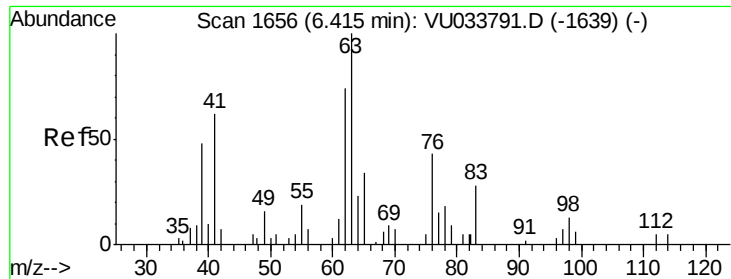
#35
 Methylcyclohexane
 Concen: 0.234 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

Tgt Ion: 83 Resp: 6800
 Ion Ratio Lower Upper
 83 100
 55 88.1 65.0 97.6
 98 46.2 36.2 54.4



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: 0.244 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU033799.D

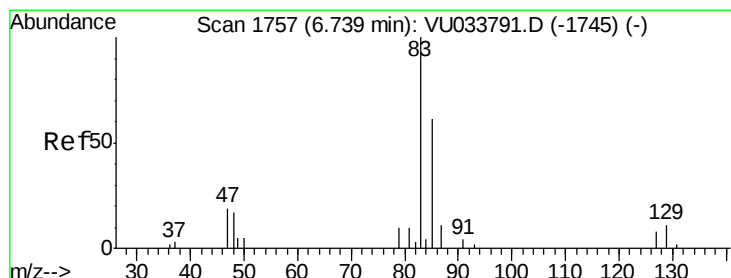
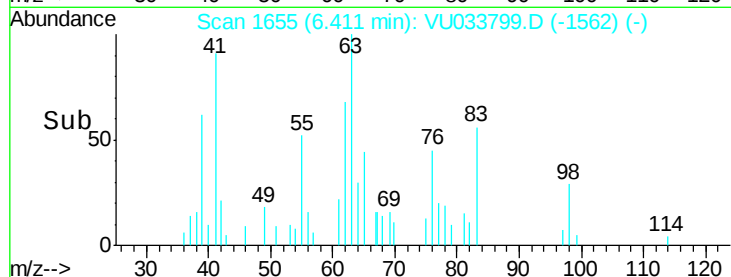
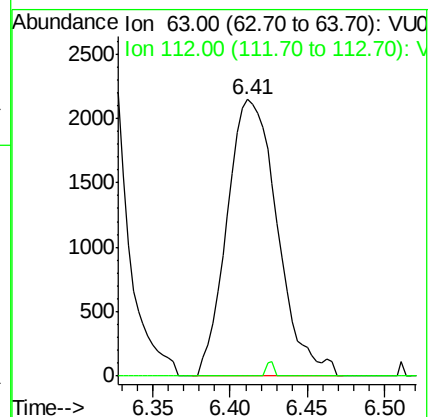
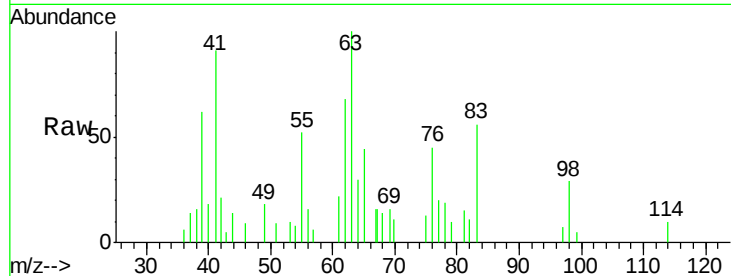
Acq: 14 Aug 2019 15:41

Tot Ion: 63 Resp: 4861

Ion Ratio Lower Upper

63 100

112 0.9 3.3 4.9#



#38

Bromodichloromethane

Concen: 0.269 ug/L

RT: 6.74 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VU033799.D

Acq: 14 Aug 2019 15:41

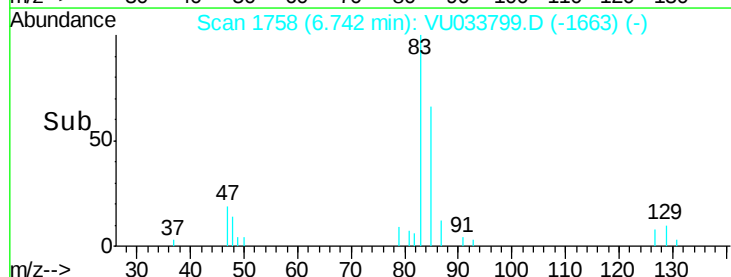
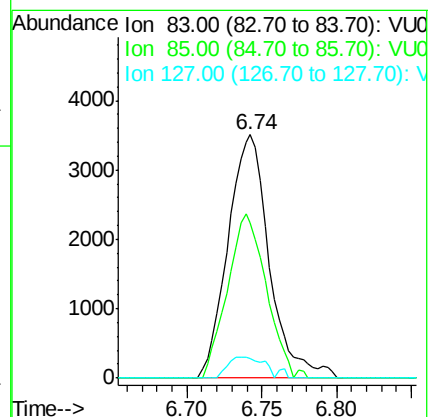
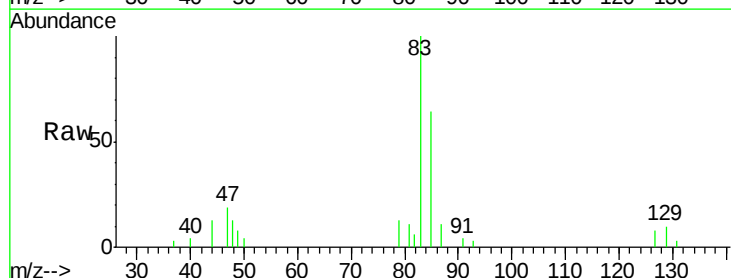
Tgt Ion: 83 Resp: 6757

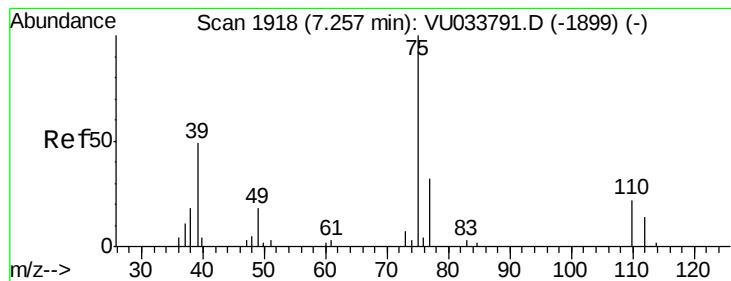
Ion Ratio Lower Upper

83 100

85 63.6 45.0 83.6

127 7.9 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 0.268 ug/L

RT: 7.26 min Scan# 1918

Delta R.T. 0.01 min

Lab File: VU033799.D

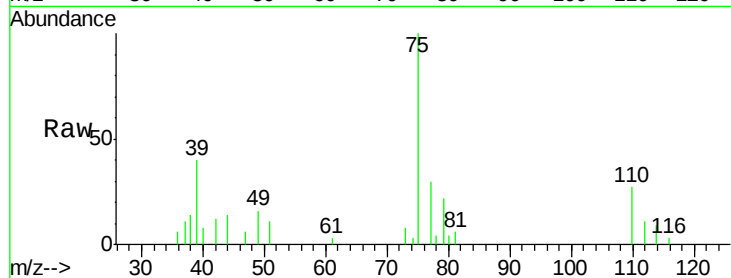
Acq: 14 Aug 2019 15:41

Tot Ion: 75 Resp: 7221

Ion Ratio Lower Upper

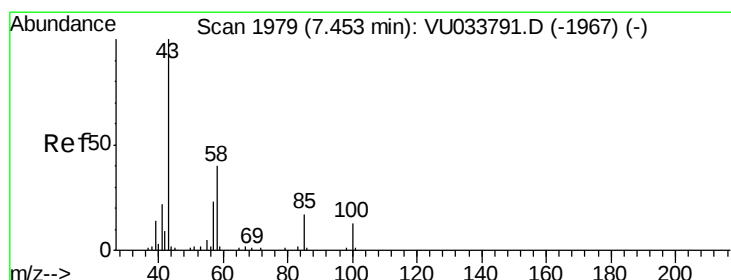
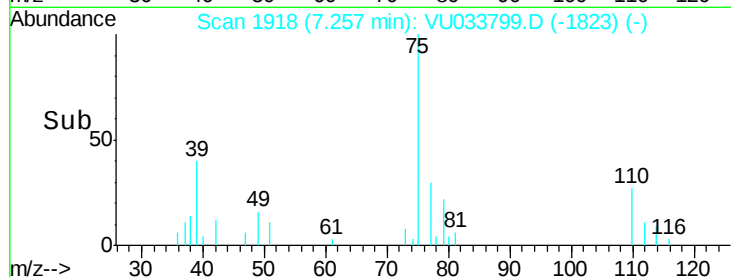
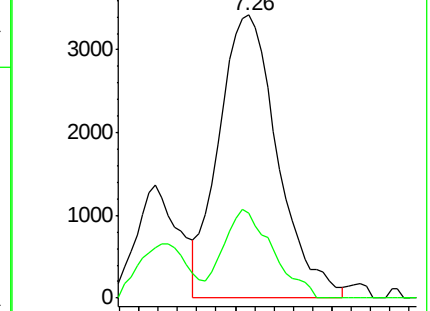
75 100

77 29.8 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#40

4-Methyl-2-pentanone

Concen: 2.194 ug/L

RT: 7.45 min Scan# 1979

Delta R.T. 0.01 min

Lab File: VU033799.D

Acq: 14 Aug 2019 15:41

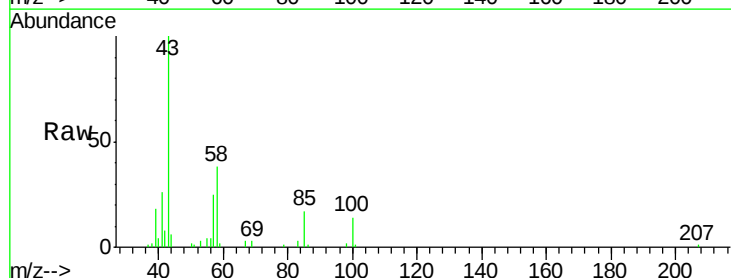
Tgt Ion: 43 Resp: 25284

Ion Ratio Lower Upper

43 100

58 36.9 32.2 48.4

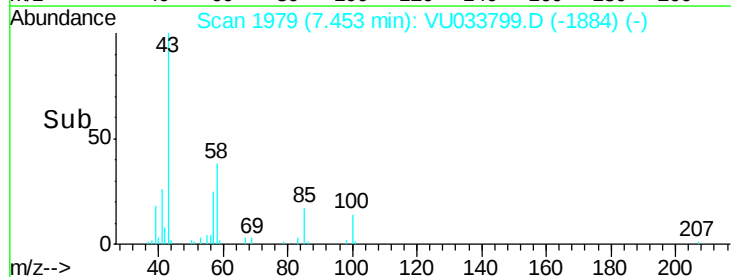
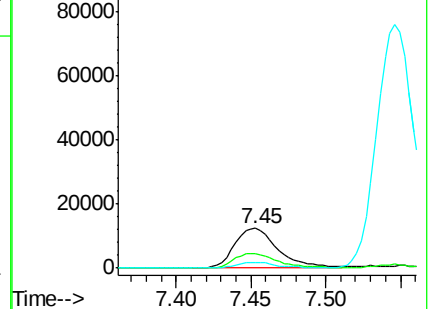
100 0.0 11.9 17.9#

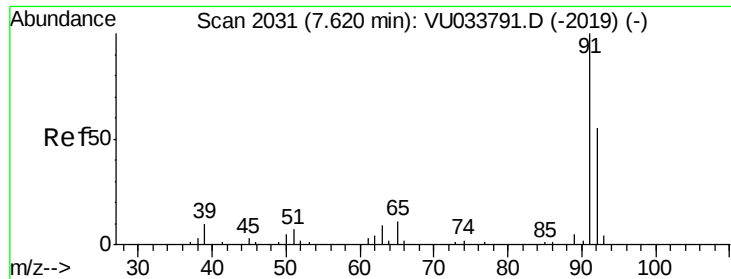


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 0.254 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033799.D

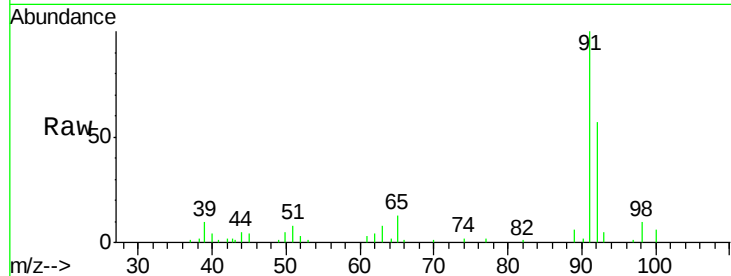
Acq: 14 Aug 2019 15:41

Tot Ion: 91 Resp: 19704

Ion Ratio Lower Upper

91 100

92 56.7 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU033799.D (-2019) (-)

Ion 92.00 (91.70 to 92.70): VU033799.D (-2019) (-)

7.62

12000

10000

8000

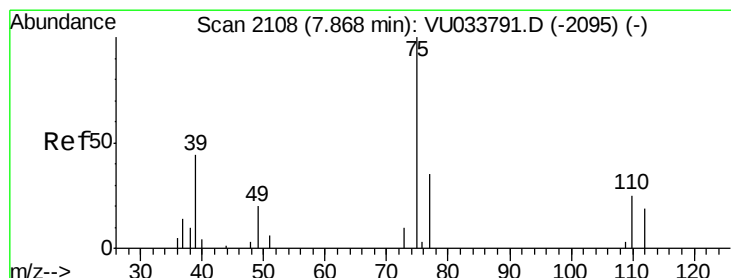
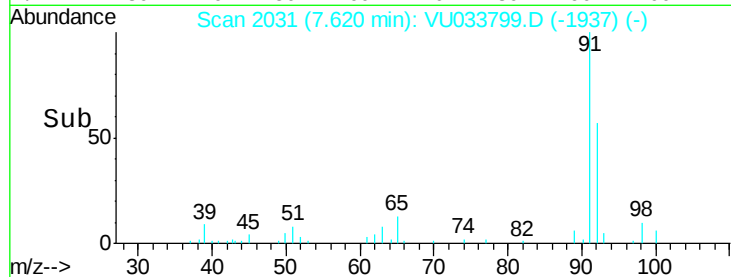
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.245 ug/L m

RT: 7.87 min Scan# 2109

Delta R.T. 0.01 min

Lab File: VU033799.D

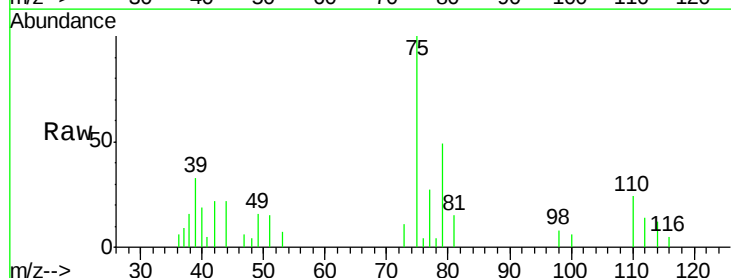
Acq: 14 Aug 2019 15:41

Tgt Ion: 75 Resp: 5516

Ion Ratio Lower Upper

75 100

77 26.9 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU033799.D (-2013) (-)

Ion 77.00 (76.70 to 77.70): VU033799.D (-2013) (-)

7.87

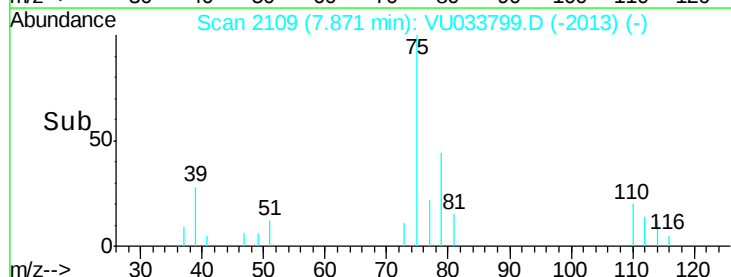
3000

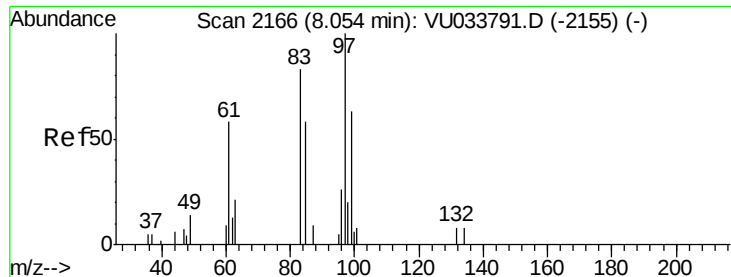
2000

1000

0

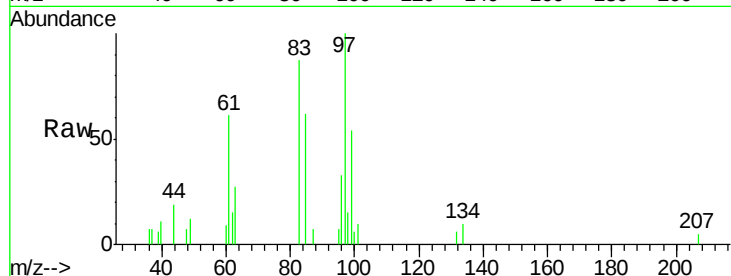
Time-->





#45
1,1,2-Trichloroethane
Concen: 0.261 ug/L
RT: 8.05 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

Tot Ion:	97	Resp:	3715
Ion	Ratio	Lower	Upper
97	100		
99	54.2	42.6	79.0
83	87.5	59.8	111.1
85	62.2	39.3	72.9



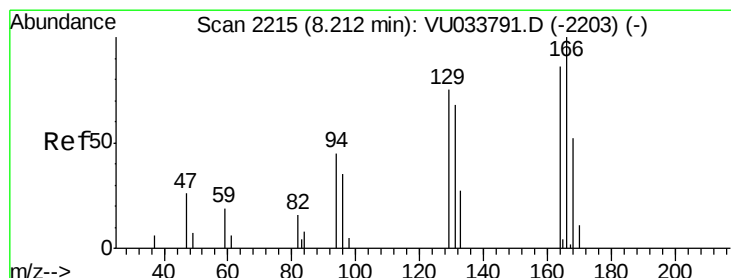
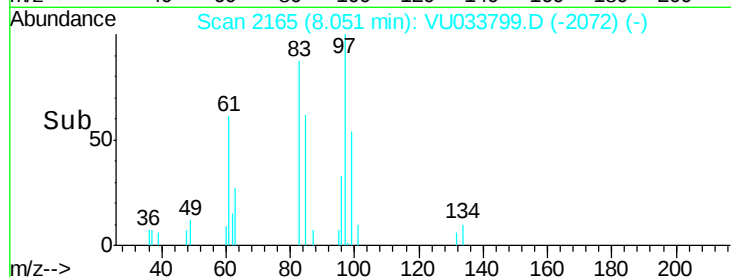
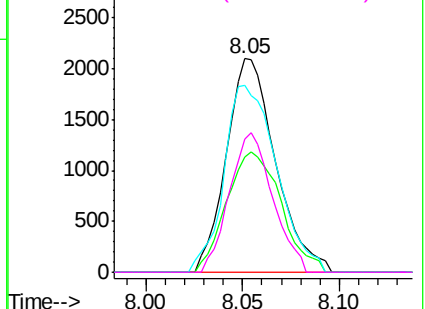
Abundance

Ion 97.00 (96.70 to 97.70): VU033799.D (-2166) (-)

Ion 99.00 (98.70 to 99.70): VU033799.D (-2166) (-)

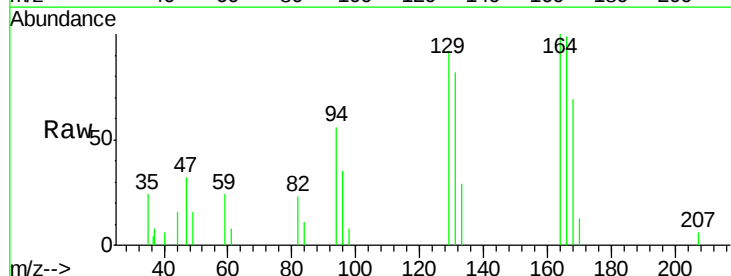
Ion 83.00 (82.70 to 83.70): VU033799.D (-2166) (-)

Ion 85.00 (84.70 to 85.70): VU033799.D (-2166) (-)



#47
Tetrachloroethene
Concen: 0.268 ug/L
RT: 8.21 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

Tgt Ion:	164	Resp:	4319
Ion	Ratio	Lower	Upper
164	100		
129	91.8	66.1	122.7
131	81.9	65.2	121.2
166	98.5	88.5	164.4



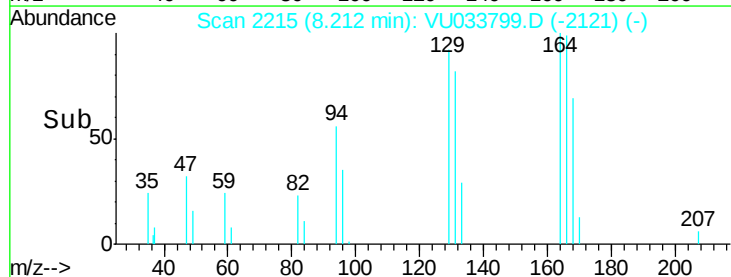
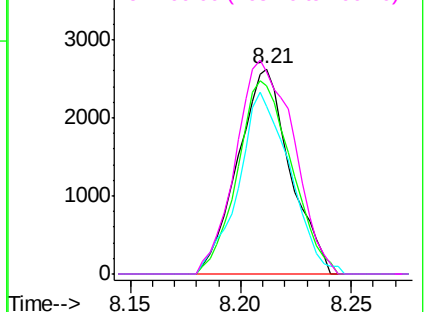
Abundance

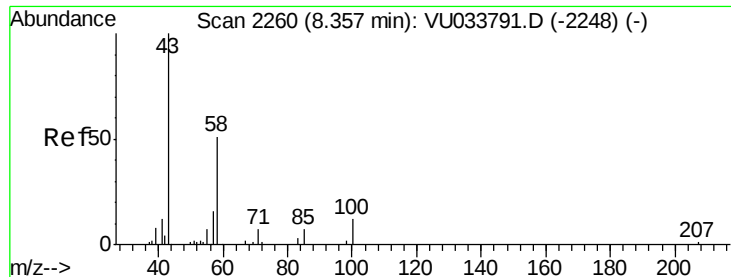
Ion 164.00 (163.70 to 164.70): VU033799.D (-2215) (-)

Ion 129.00 (128.70 to 129.70): VU033799.D (-2215) (-)

Ion 131.00 (130.70 to 131.70): VU033799.D (-2215) (-)

Ion 166.00 (165.70 to 166.70): VU033799.D (-2215) (-)





#48

2-Hexanone

Concen: 3.302 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.01 min

Lab File: VU033799.D

Acq: 14 Aug 2019 15:41

Tot Ion: 43 Resp: 27518

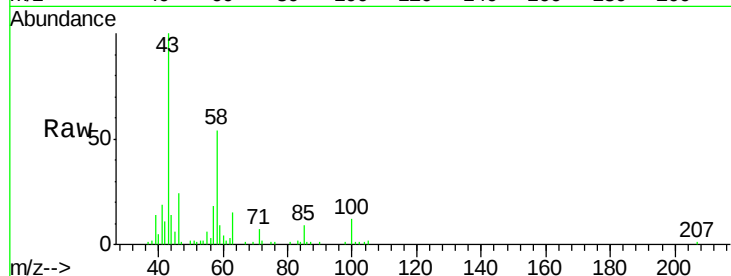
Ion Ratio Lower Upper

43 100

58 53.0 45.2 67.8

57 16.8 15.7 23.5

100 12.0 8.6 13.0

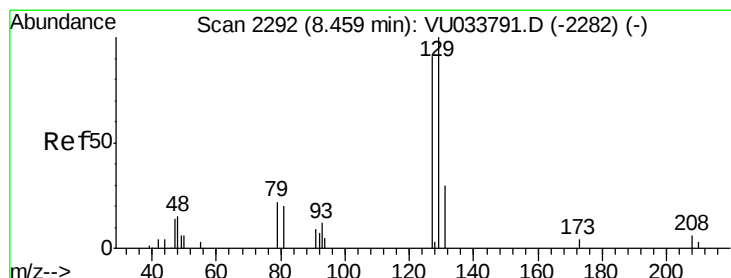
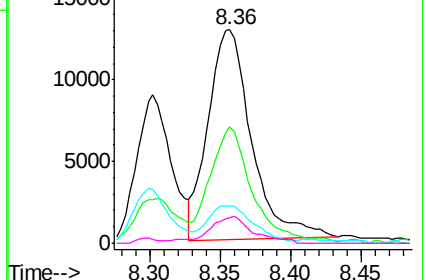
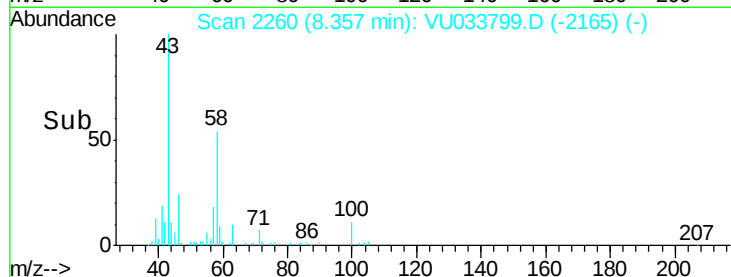


Abundance Ion 43.00 (42.70 to 43.70): VU033799.D (-2260) (-)

Ion 58.00 (57.70 to 58.70): VU033799.D (-2260) (-)

Ion 57.00 (56.70 to 57.70): VU033799.D (-2260) (-)

Ion 100.00 (99.70 to 100.70): VU033799.D (-2260) (-)



#49

Dibromochloromethane

Concen: 0.272 ug/L

RT: 8.46 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU033799.D

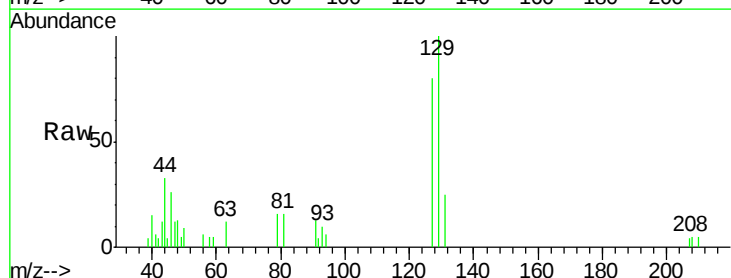
Acq: 14 Aug 2019 15:41

Tgt Ion: 129 Resp: 4698

Ion Ratio Lower Upper

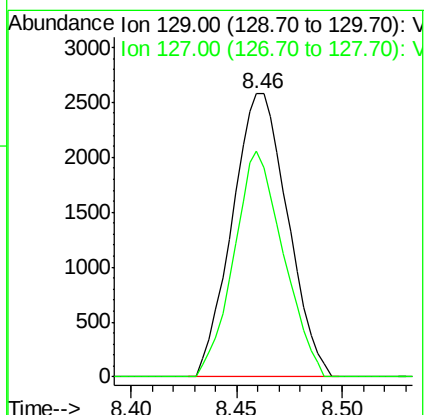
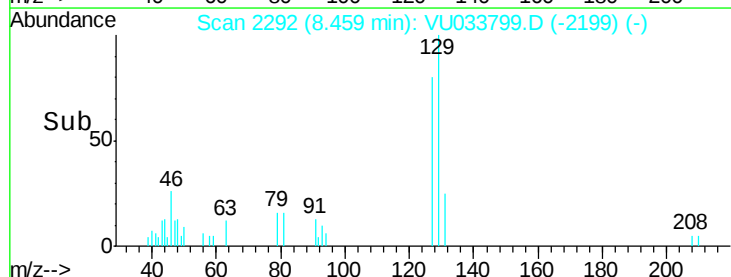
129 100

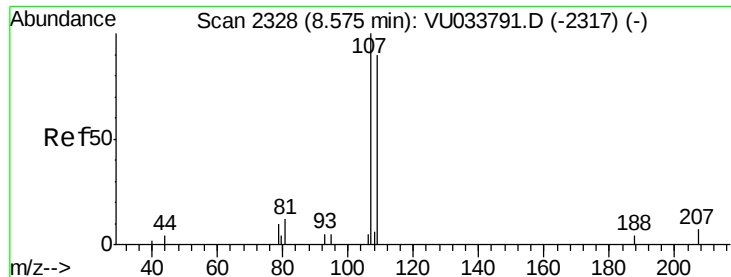
127 80.0 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VU033799.D (-2292) (-)

Ion 127.00 (126.70 to 127.70): VU033799.D (-2292) (-)





#50

1,2-Dibromoethane

Concen: 0.256 ug/L

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033799.D

Acq: 14 Aug 2019 15:41

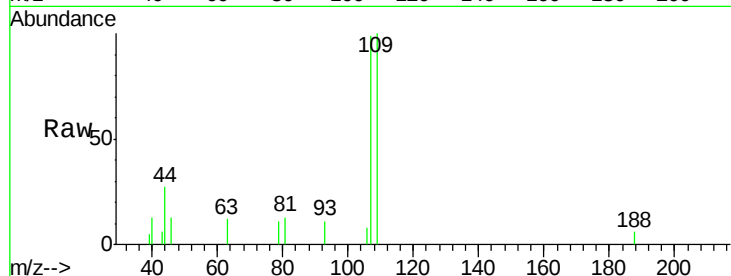
Tot Ion:107 Resp: 3523

Ion Ratio Lower Upper

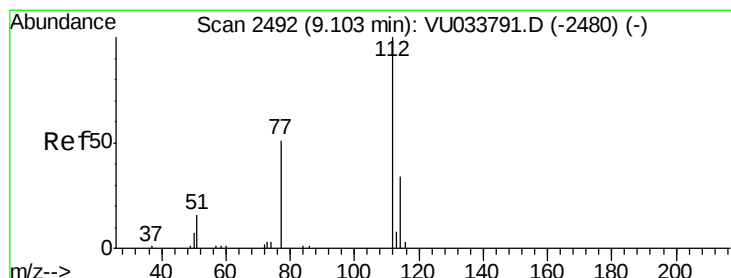
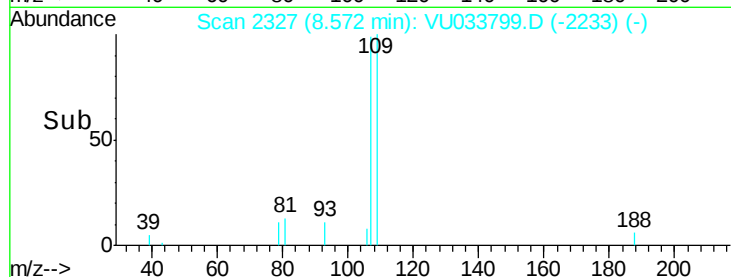
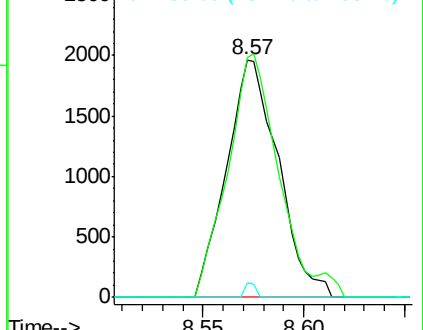
107 100

109 100.8 68.3 126.8

188 6.0 3.0 4.6#



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



#51

Chlorobenzene

Concen: 0.269 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU033799.D

Acq: 14 Aug 2019 15:41

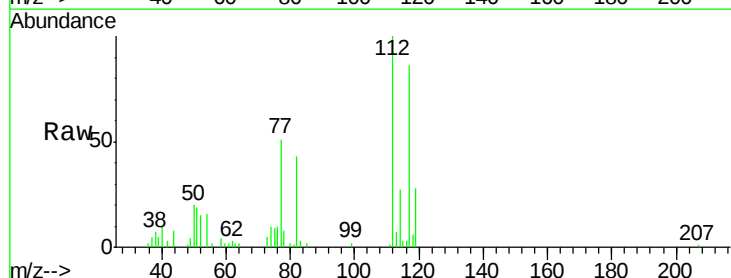
Tgt Ion:112 Resp: 13442

Ion Ratio Lower Upper

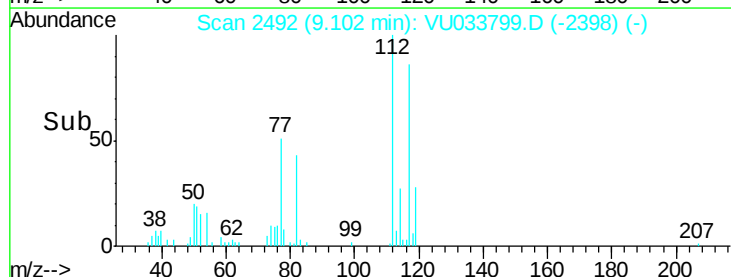
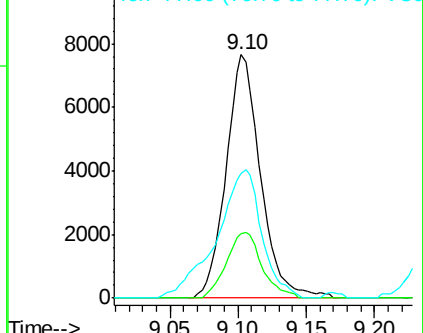
112 100

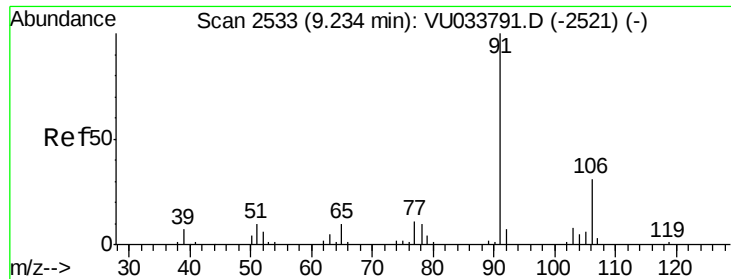
114 26.7 22.5 41.7

77 51.1 45.3 67.9



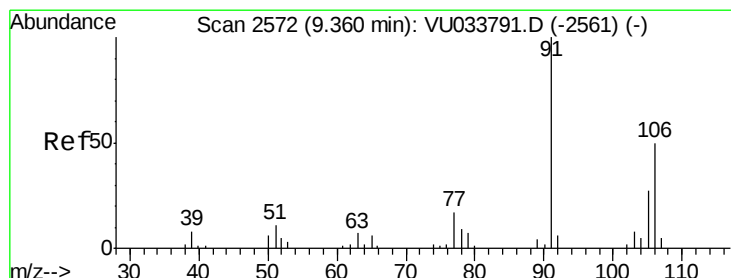
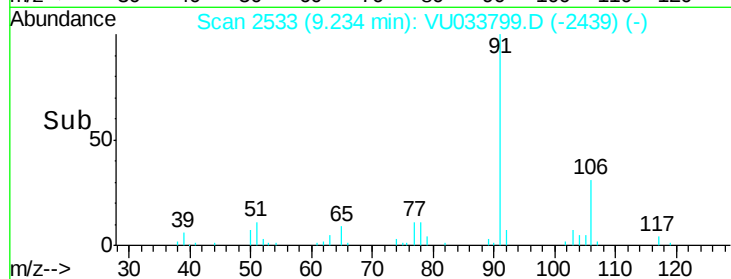
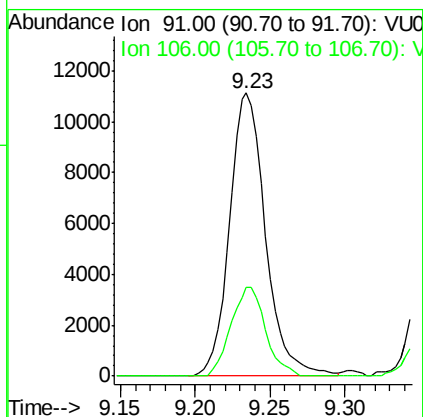
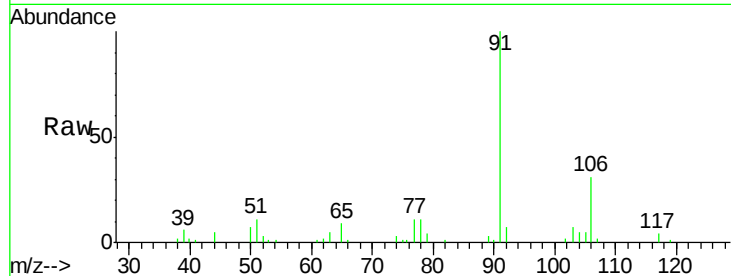
Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





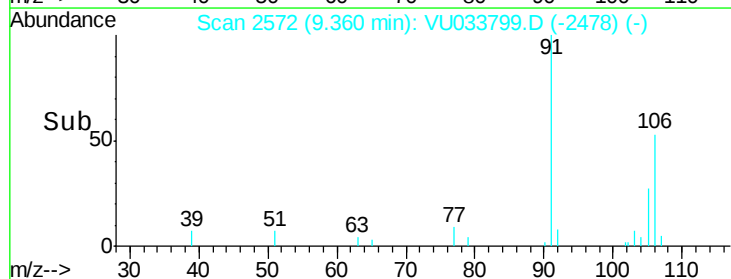
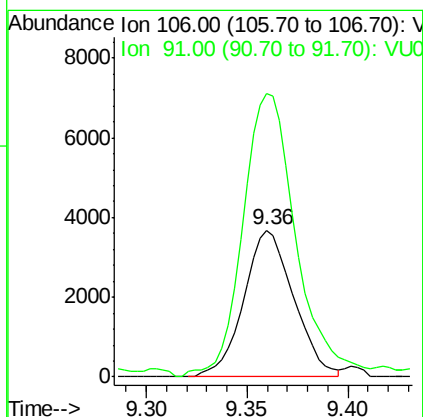
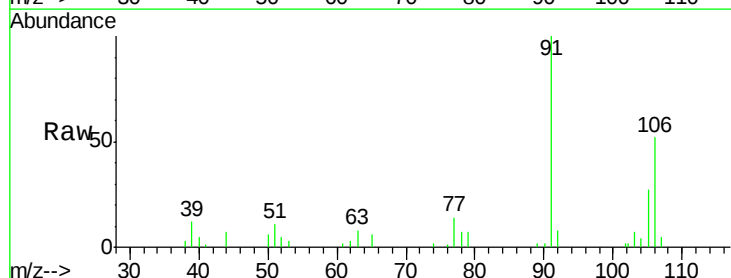
#52
Ethylbenzene
Concen: 0.232 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

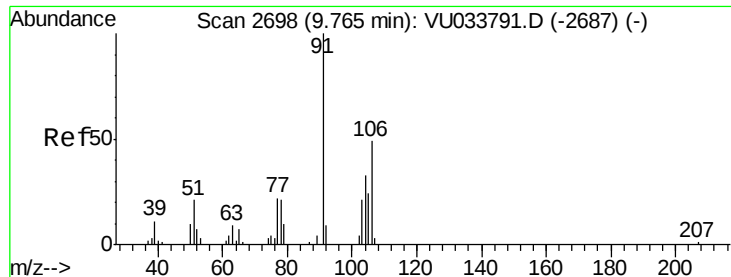
Tot Ion: 91 Resp: 18609
Ion Ratio Lower Upper
91 100
106 31.3 21.6 40.0



#53
m,p-Xylene
Concen: 0.211 ug/L
RT: 9.36 min Scan# 2572
Delta R.T. 0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

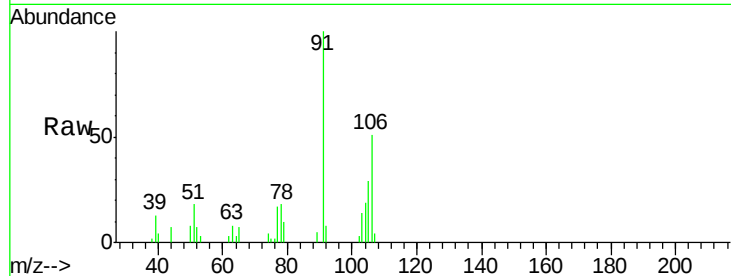
Tgt Ion: 106 Resp: 6373
Ion Ratio Lower Upper
106 100
91 192.6 142.7 265.1



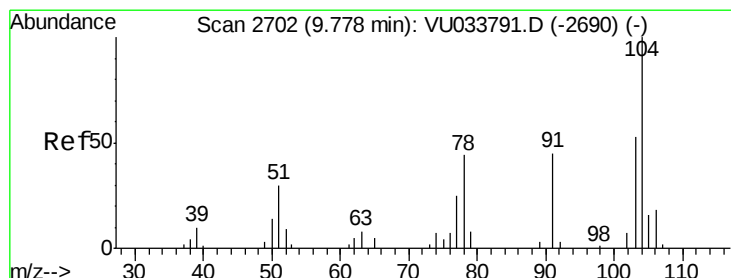
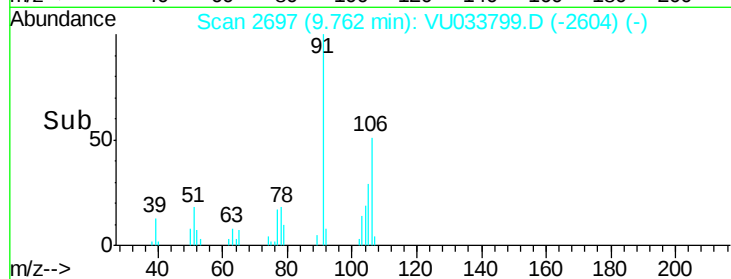
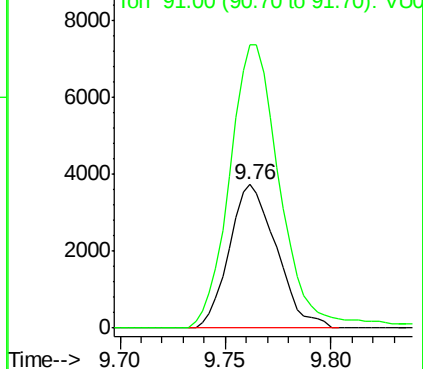


#54
o-Xylene
Concen: 0.200 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

Tot Ion:106 Resp: 5753
Ion Ratio Lower Upper
106 100
91 197.0 149.5 277.7

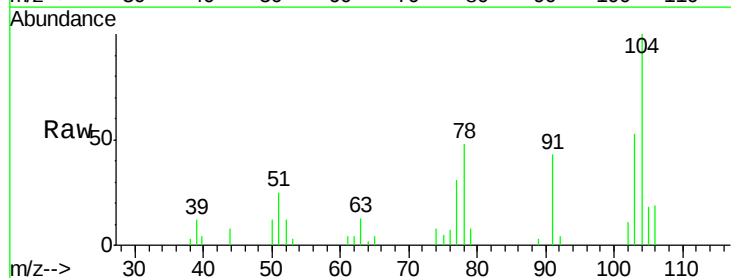


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

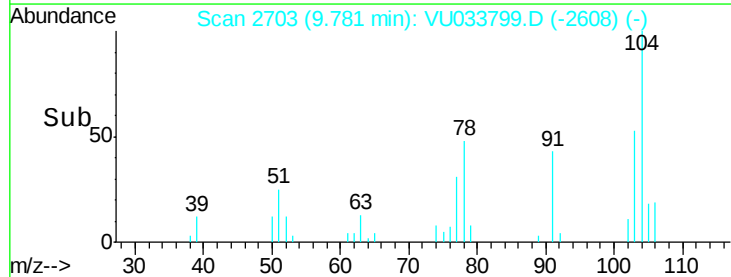
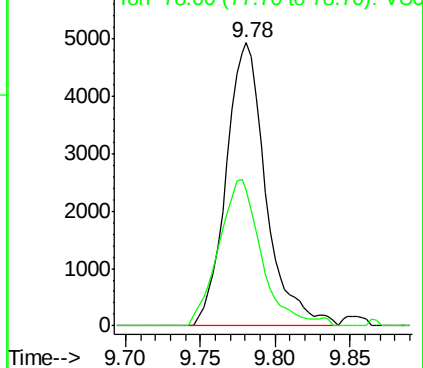


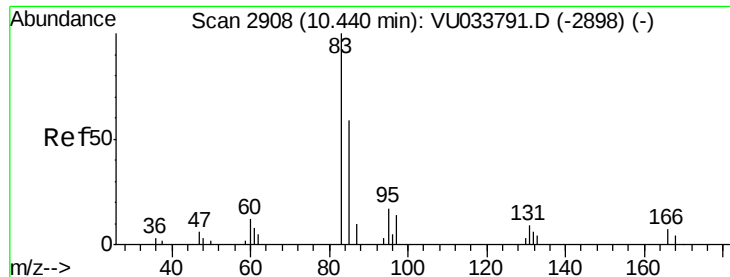
#55
Styrene
Concen: 0.183 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

Tgt Ion:104 Resp: 9117
Ion Ratio Lower Upper
104 100
78 48.0 31.8 59.0



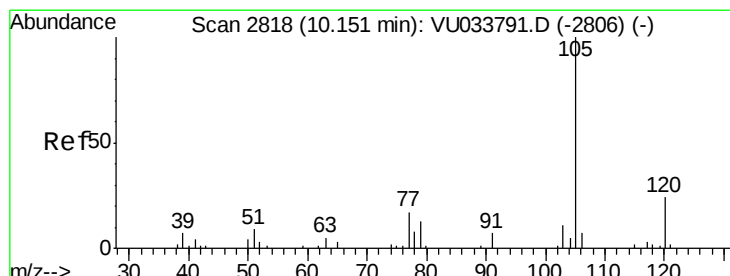
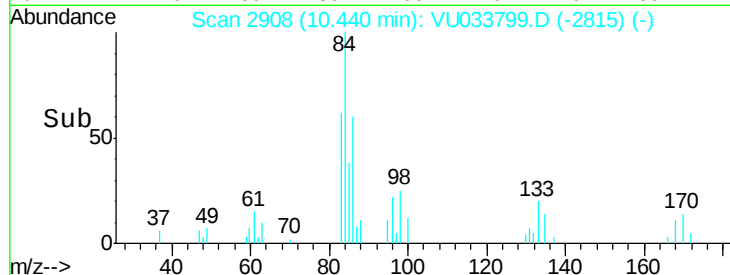
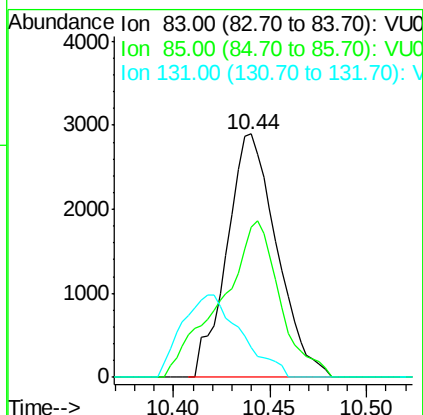
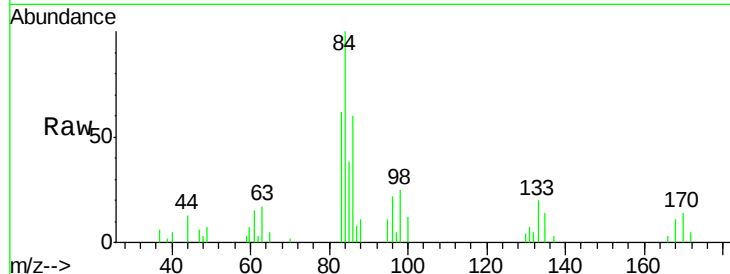
Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





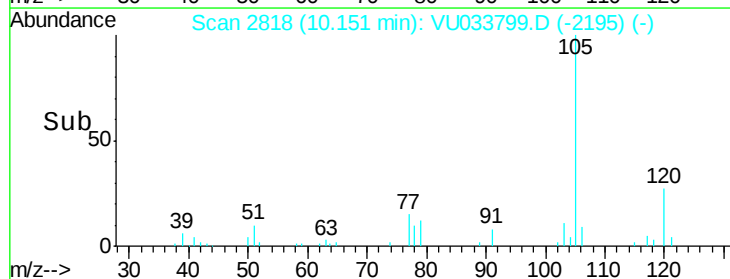
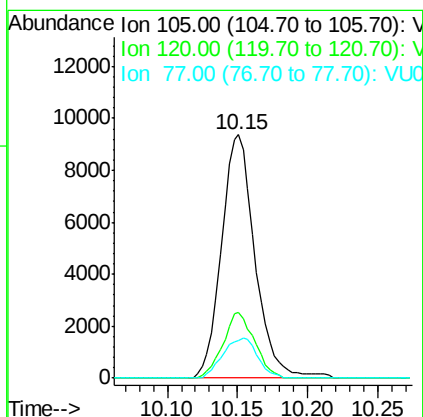
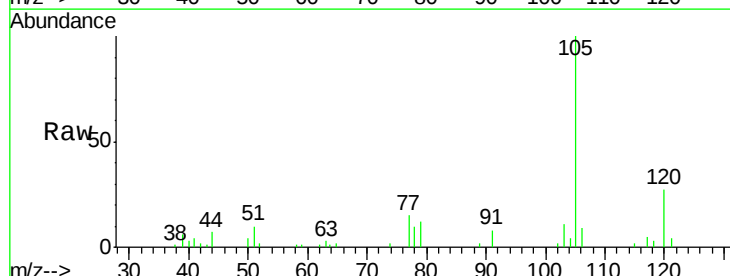
#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.277 ug/L
 RT: 10.44 min Scan# 2908
 Delta R.T. -0.00 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

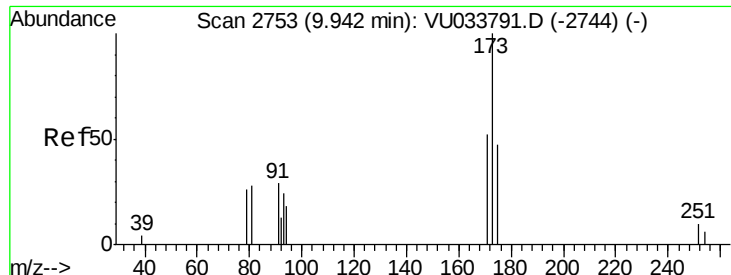
Tot Ion: 83 Resp: 5190
 Ion Ratio Lower Upper
 83 100
 85 61.8 44.4 82.4
 131 12.1 7.6 11.4#



#59
 Isopropylbenzene
 Concen: 0.240 ug/L
 RT: 10.15 min Scan# 2818
 Delta R.T. 0.00 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

Tgt Ion: 105 Resp: 15491
 Ion Ratio Lower Upper
 105 100
 120 25.4 21.5 32.3
 77 16.8 12.8 19.2





#60

Bromoform

Concen: 0.276 ug/L

RT: 9.94 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VU033799.D

Acq: 14 Aug 2019 15:41

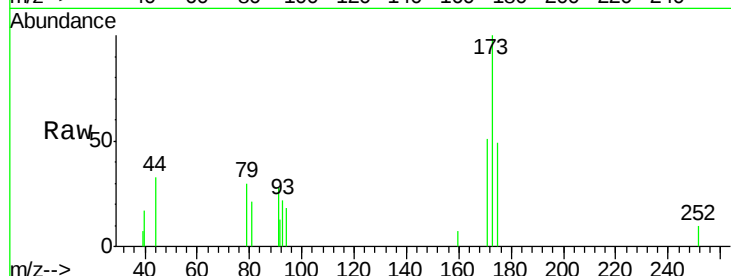
Tot Ion: 173 Resp: 2394

Ion Ratio Lower Upper

173 100

175 48.3 36.6 55.0

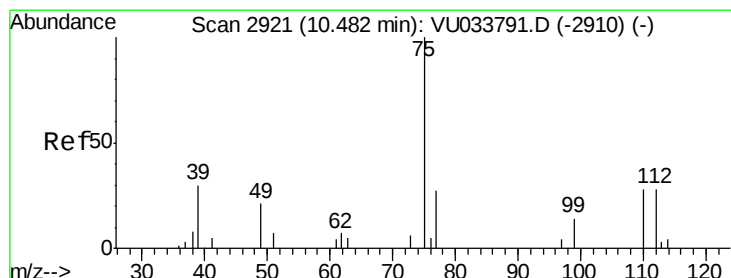
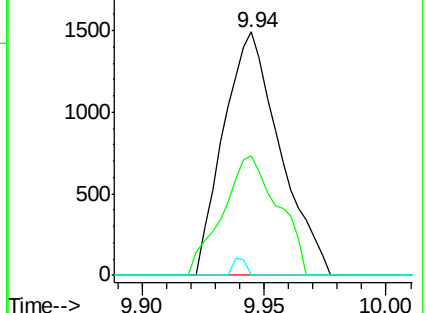
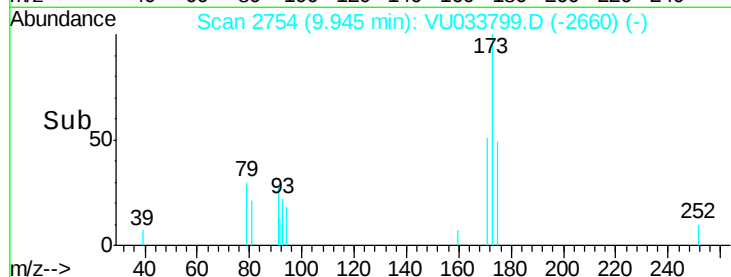
254 1.6 7.0 10.4#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#61

1,2,3-Trichloropropane

Concen: 0.281 ug/L

RT: 10.48 min Scan# 2921

Delta R.T. 0.01 min

Lab File: VU033799.D

Acq: 14 Aug 2019 15:41

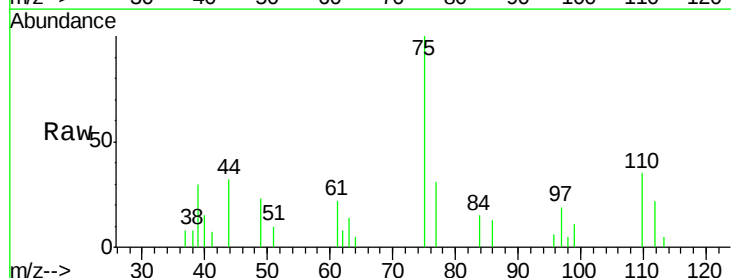
Tgt Ion: 75 Resp: 3167

Ion Ratio Lower Upper

75 100

77 34.8 25.8 38.6

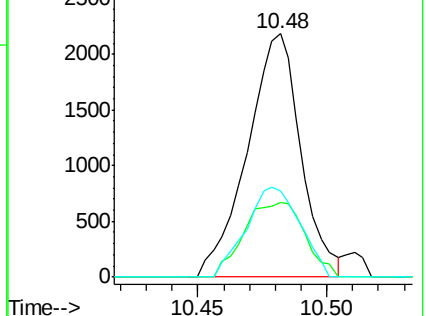
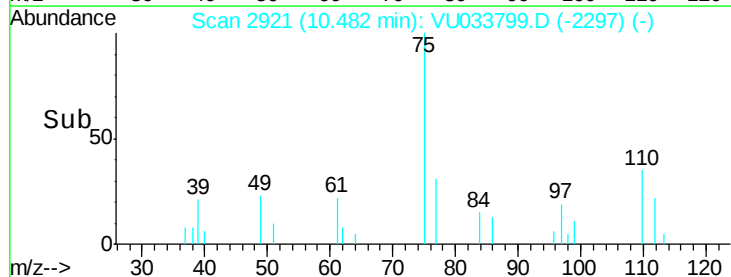
110 37.3 28.9 43.3

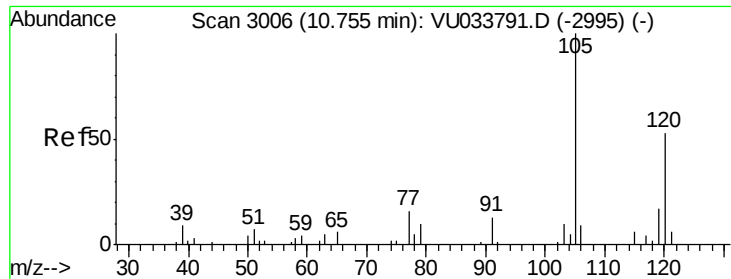


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

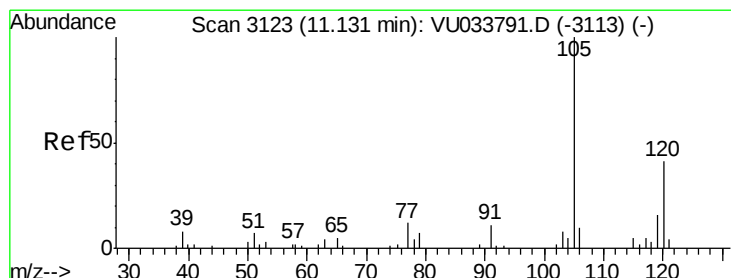
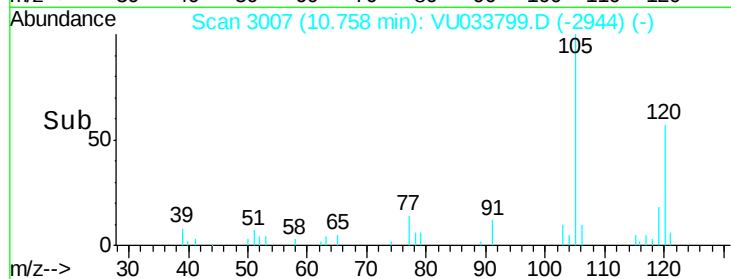
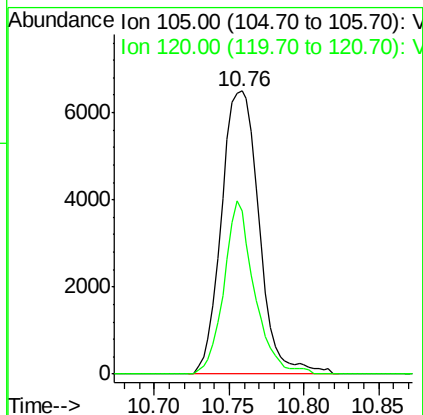
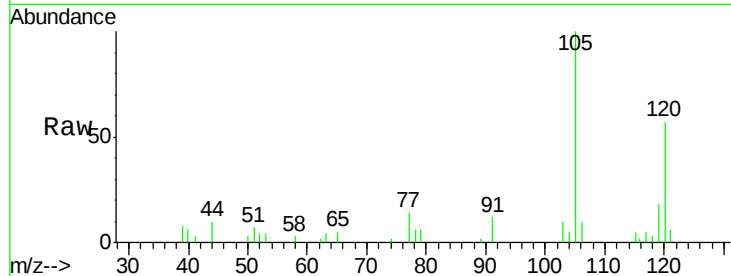




#62

1,3,5-Trimethylbenzene
Concen: 0.217 ug/L
RT: 10.76 min Scan# 3007
Delta R.T. 0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

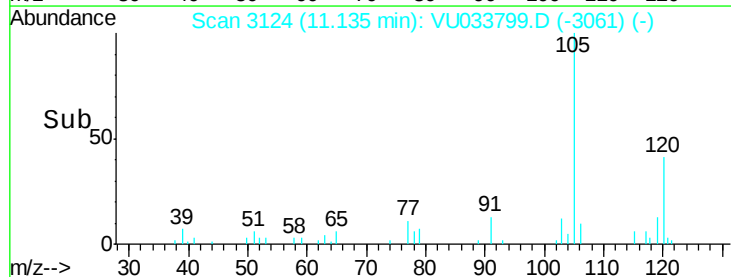
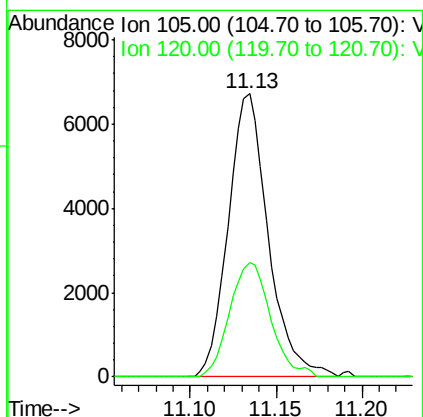
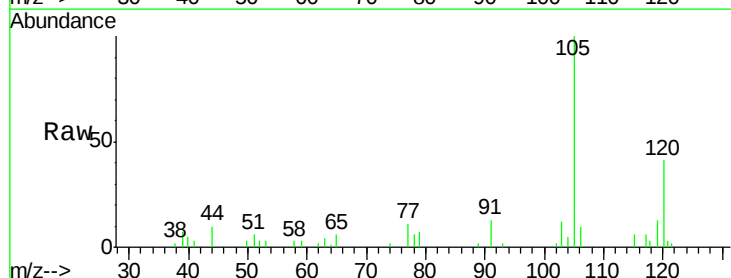
Tot Ion:105 Resp: 11396
Ion Ratio Lower Upper
105 100
120 49.4 38.6 58.0

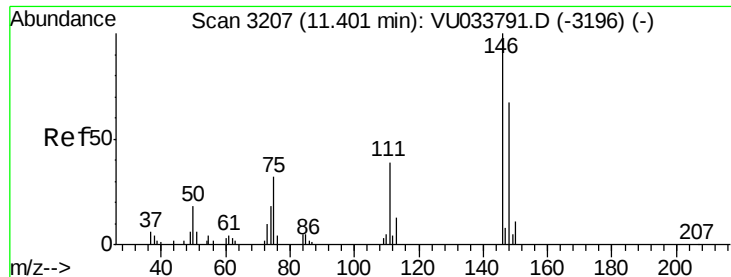


#63

1,2,4-Trimethylbenzene
Concen: 0.208 ug/L
RT: 11.13 min Scan# 3124
Delta R.T. 0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

Tgt Ion:105 Resp: 10908
Ion Ratio Lower Upper
105 100
120 41.3 36.5 54.7





#64

1,3-Dichlorobenzene

Concen: 0.268 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033799.D

Acq: 14 Aug 2019 15:41

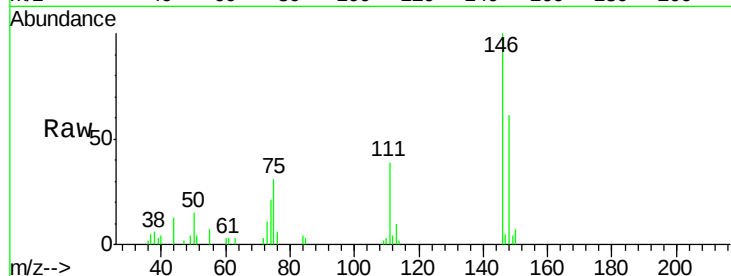
Tot Ion:146 Resp: 9284

Ion Ratio Lower Upper

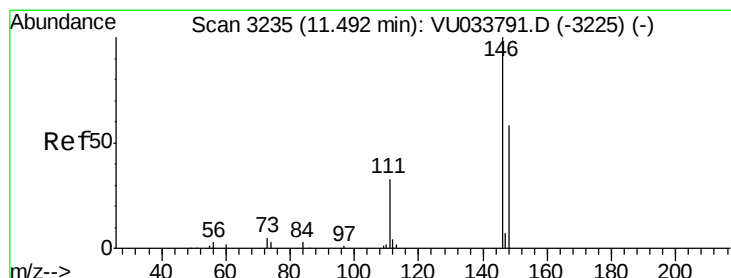
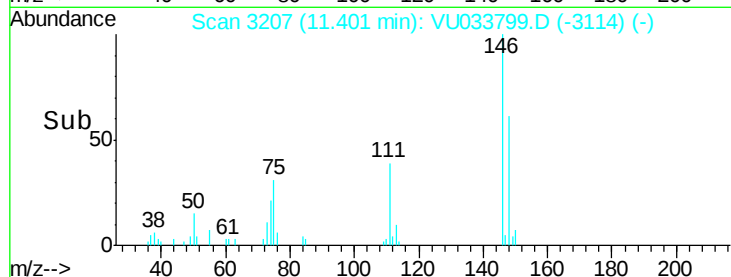
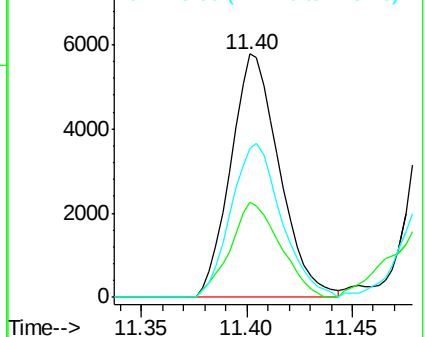
146 100

111 39.0 28.5 52.9

148 61.2 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 0.276 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033799.D

Acq: 14 Aug 2019 15:41

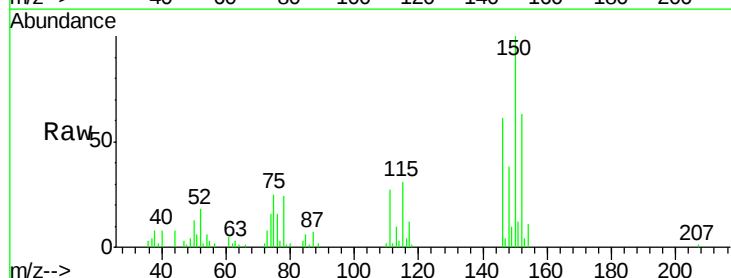
Tgt Ion:146 Resp: 9812

Ion Ratio Lower Upper

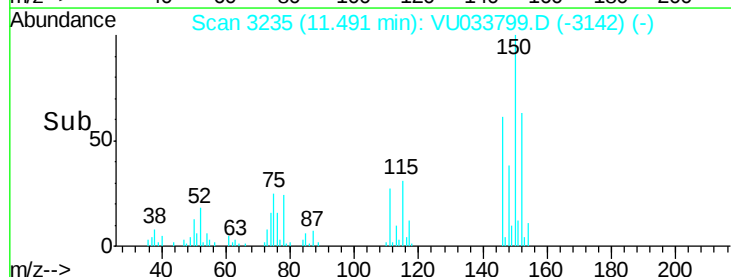
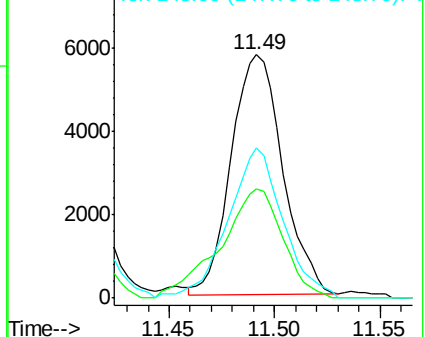
146 100

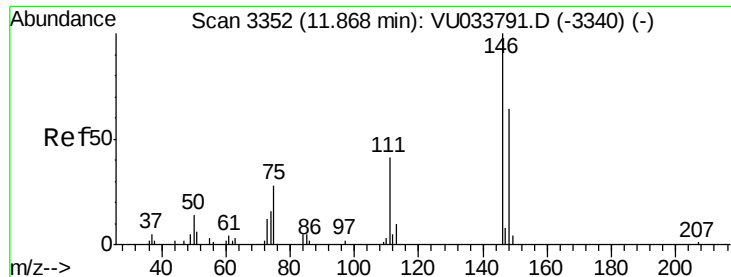
111 44.7 26.2 48.8

148 61.5 44.2 82.0



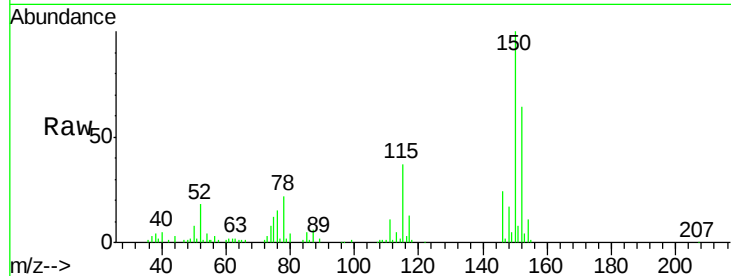
Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



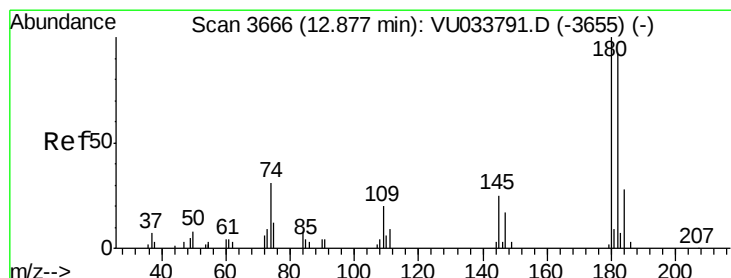
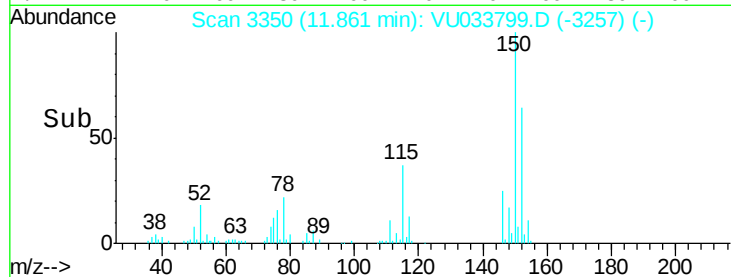
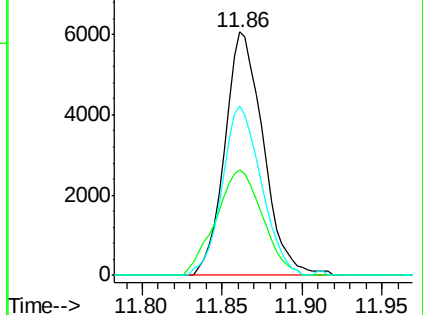


#67
 1,2-Dichlorobenzene
 Concen: 0.298 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

Tot Ion:146 Resp: 9943
 Ion Ratio Lower Upper
 146 100
 111 43.4 32.7 49.1
 148 69.5 50.6 76.0

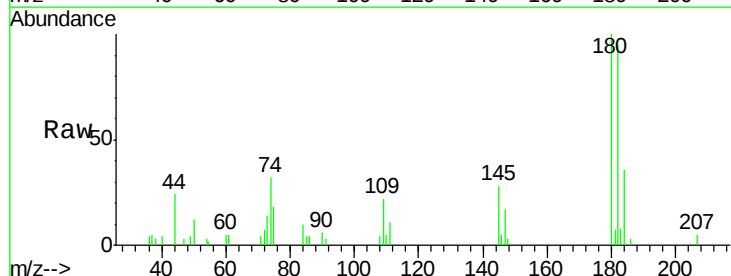


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

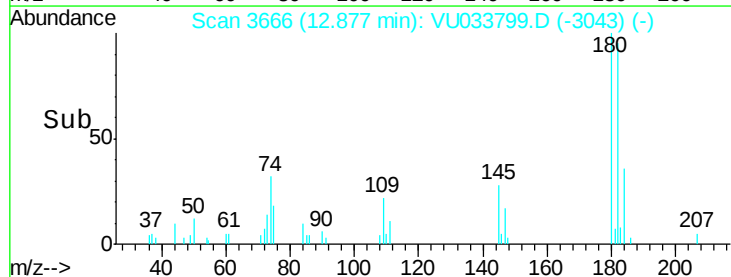
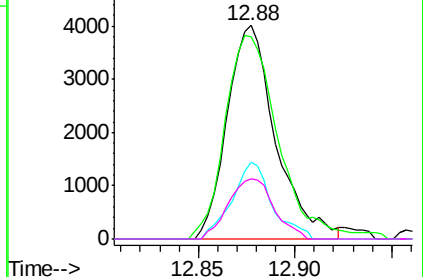


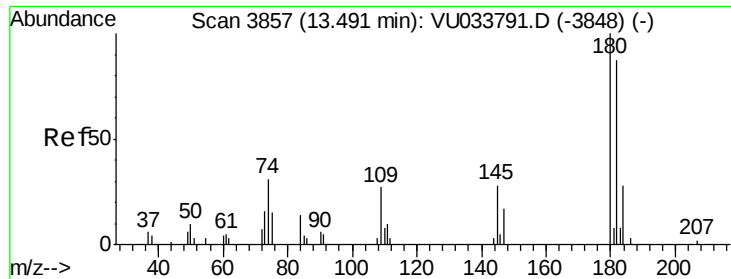
#69
 1,3,5-Trichlorobenzene
 Concen: 0.257 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.00 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

Tgt Ion:180 Resp: 6991
 Ion Ratio Lower Upper
 180 100
 182 103.8 76.6 114.8
 184 29.6 24.4 36.6
 145 26.5 23.3 34.9



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

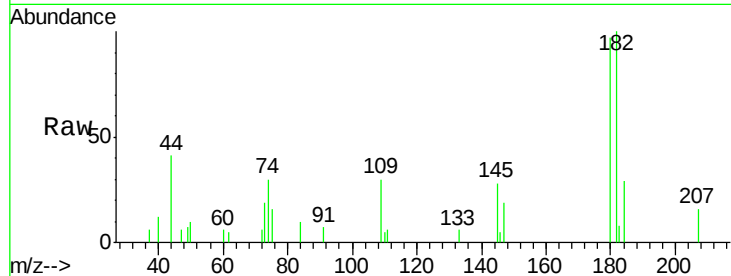




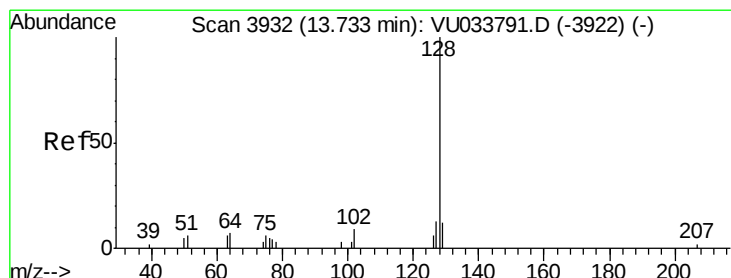
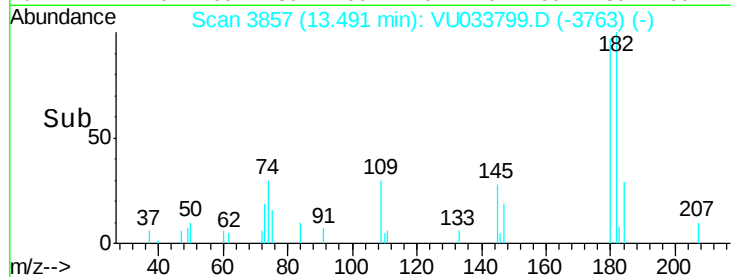
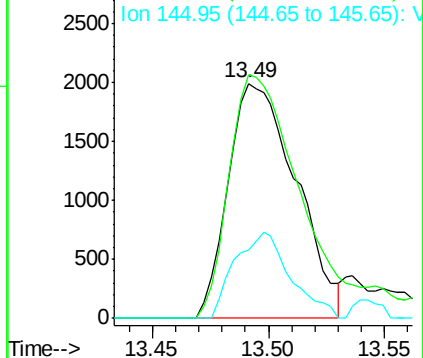
#70

1,2,4-trichlorobenzene
 Concen: 0.192 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

Tot Ion	Ratio	Lower	Upper
180	100		
182	112.9	77.4	116.2
145	30.0	23.5	35.3



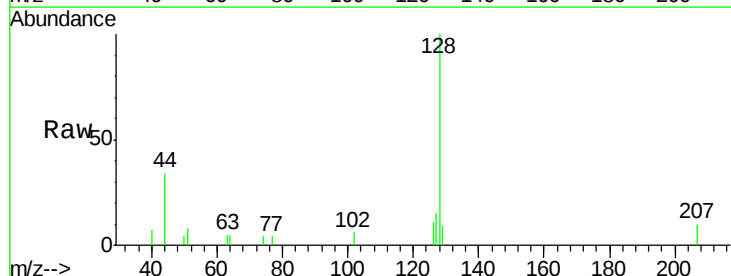
Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V



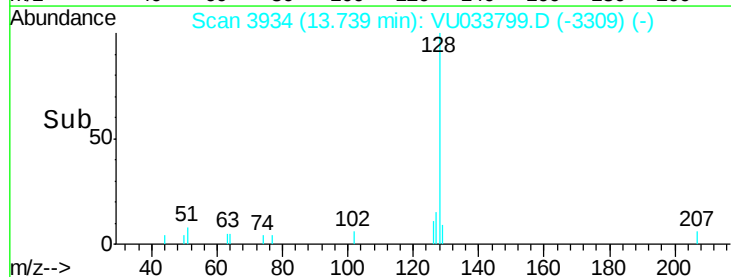
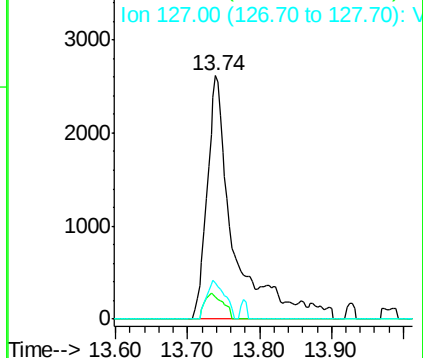
#71

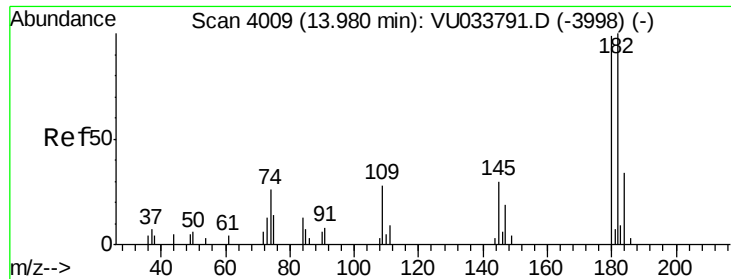
Naphthalene
 Concen: 0.209 ug/L m
 RT: 13.74 min Scan# 3934
 Delta R.T. 0.01 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	7.2	8.5	12.7#
127	10.6	11.2	16.8#



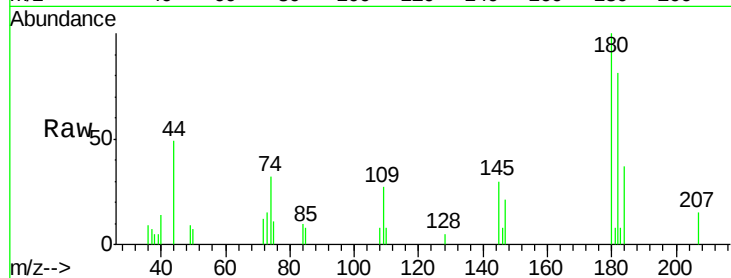
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#72
 1,2,3-Trichlorobenzene
 Concen: 0.208 ug/L
 RT: 13.98 min Scan# 4009
 Delta R.T. 0.01 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

Tot Ion:180 Resp: 4145
 Ion Ratio Lower Upper
 180 100
 182 98.8 75.7 113.5
 145 32.0 24.3 36.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

