

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 15 14:50:29 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

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 15 14:50:29 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M

Quant Title : TRACE VOA SOM01.0

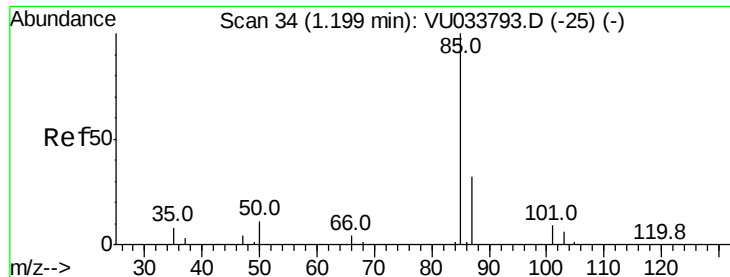
QLast Update : Thu Aug 15 14:46:32 2019

Response via : Initial Calibration

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

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	7247	0.322	ug/L	91
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	5521	0.169	ug/L	97
72) 1,2,3-Trichlorobenzene	13.98	180	4145	0.208	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 0.273 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033799.D

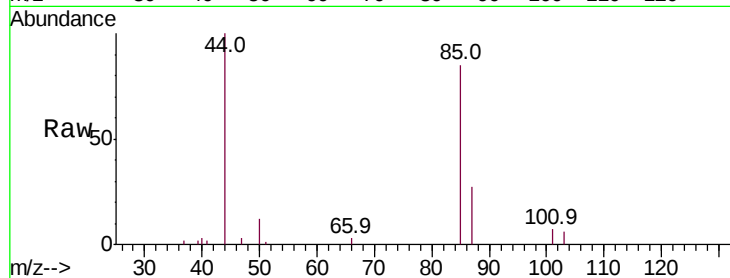
Acq: 14 Aug 2019 15:41

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

1.20

8000

6000

4000

2000

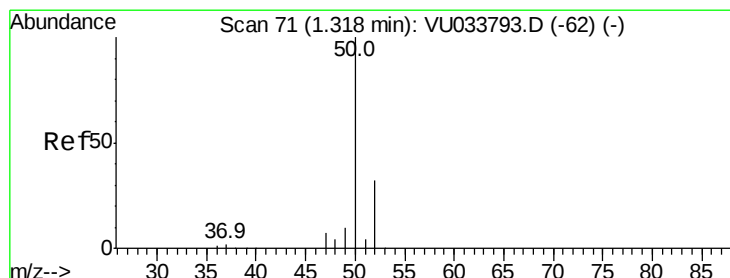
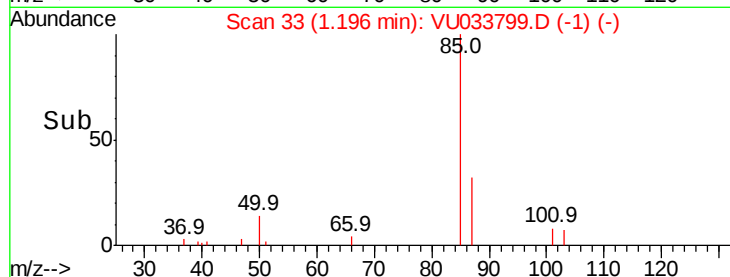
0

Time-->

1.15

1.20

1.25



#3

Chloromethane

Concen: 0.287 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033799.D

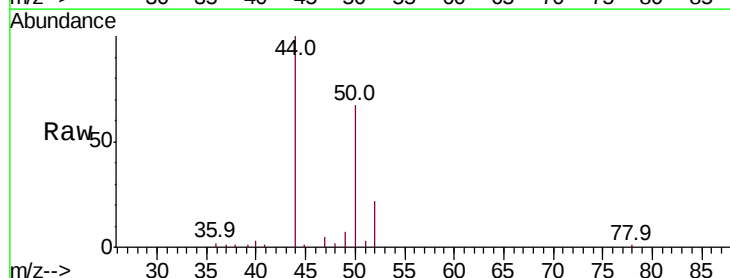
Acq: 14 Aug 2019 15:41

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

1.32

8000

6000

4000

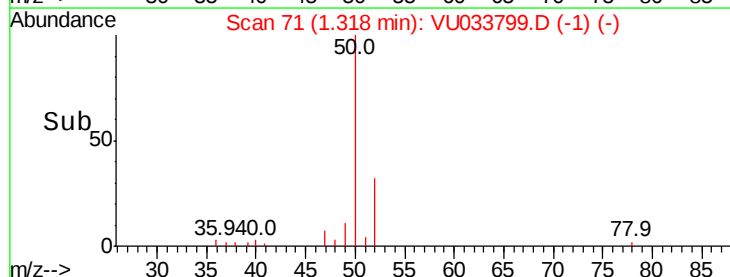
2000

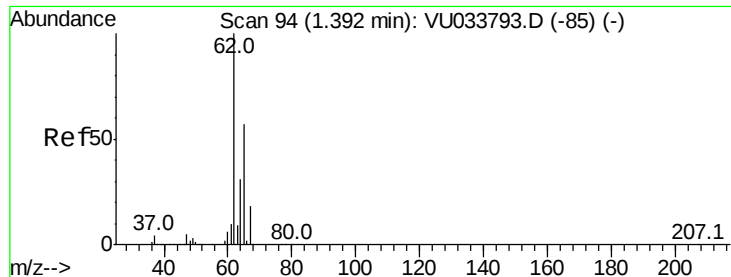
0

Time-->

1.30

1.35





#5

Vinyl chloride

Concen: 0.286 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033799.D

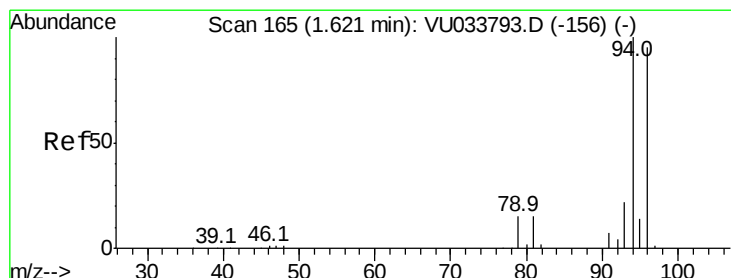
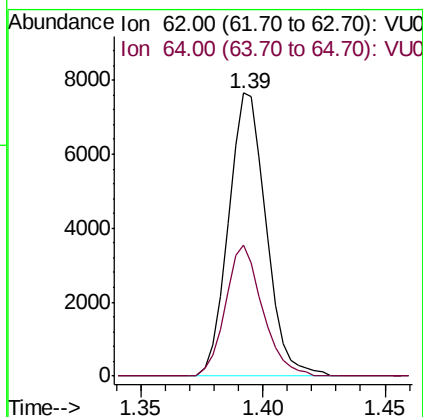
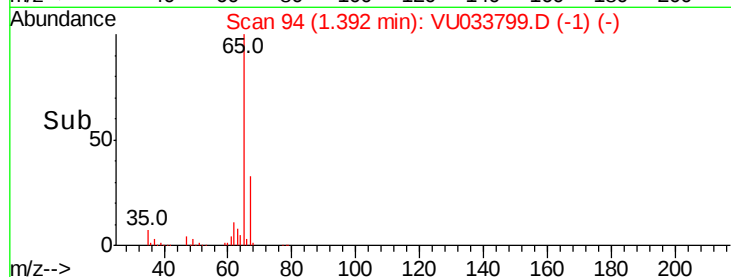
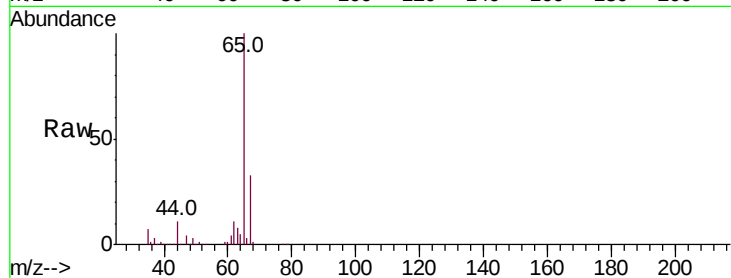
Acq: 14 Aug 2019 15:41

Tot Ion: 62 Resp: 8180

Ion Ratio Lower Upper

62 100

64 46.4 21.9 40.7#



#6

Bromomethane

Concen: 0.308 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033799.D

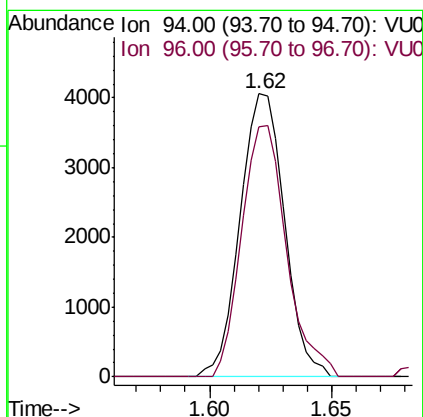
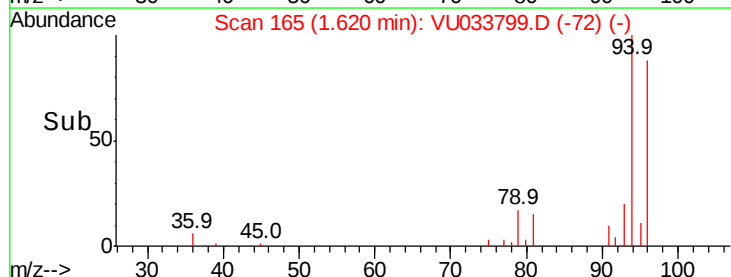
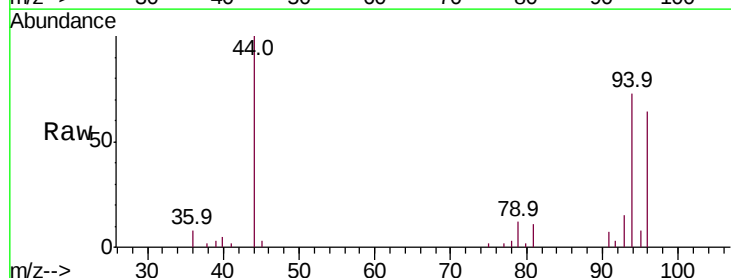
Acq: 14 Aug 2019 15:41

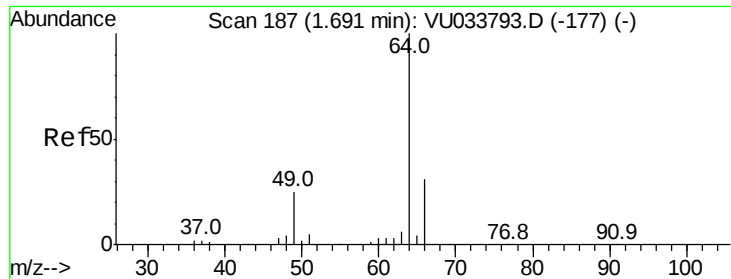
Tgt Ion: 94 Resp: 5113

Ion Ratio Lower Upper

94 100

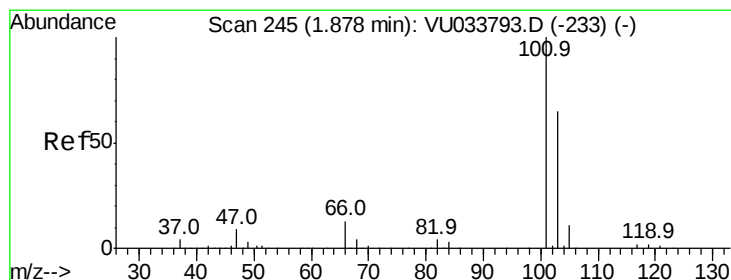
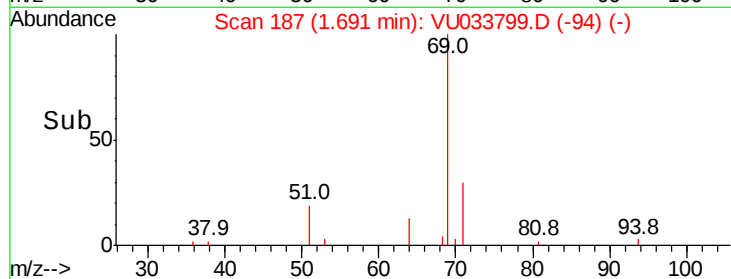
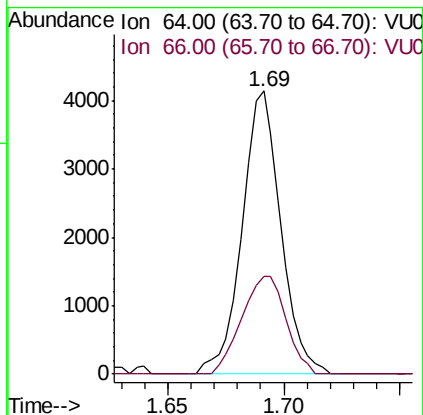
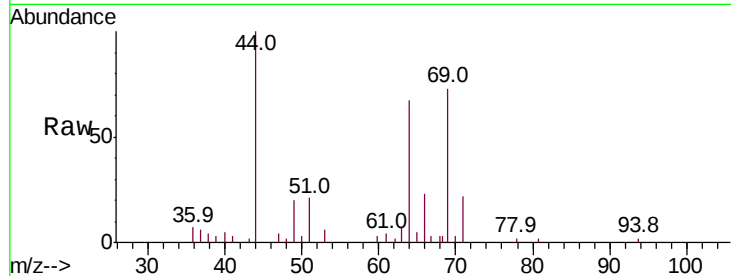
96 88.5 66.4 123.2





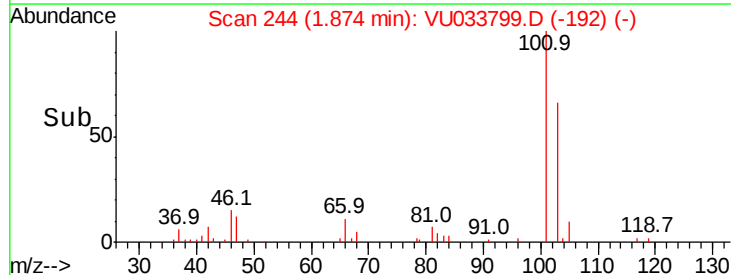
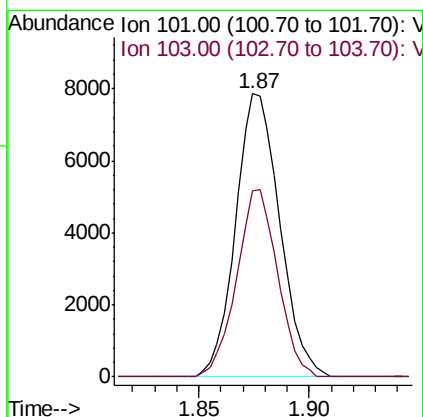
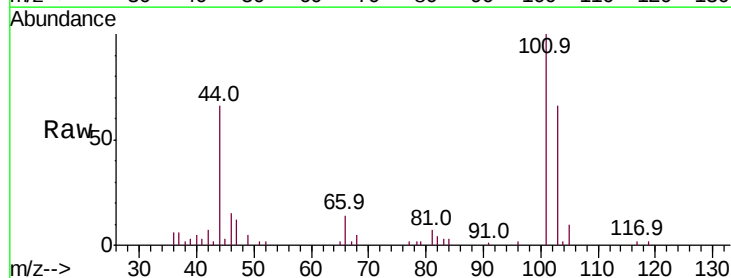
#8
Chloroethane
Concen: 0.285 ug/L
RT: 1.69 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

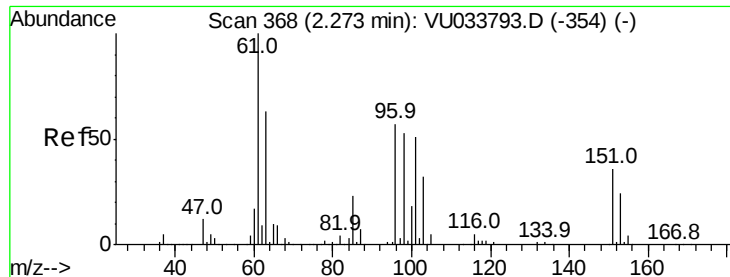
Tot Ion: 64 Resp: 4801
Ion Ratio Lower Upper
64 100
66 34.5 21.9 40.7



#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





#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

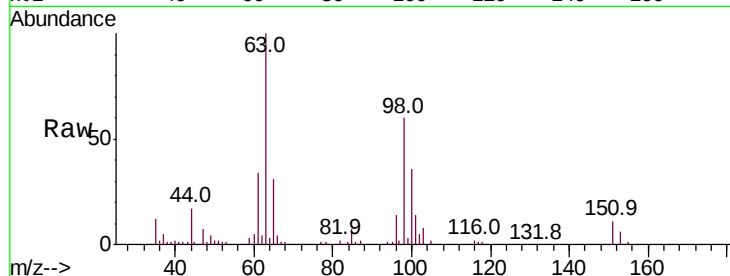
Tot Ion:101 Resp: 6533

Ion Ratio Lower Upper

101 100

85 44.2 36.2 54.2

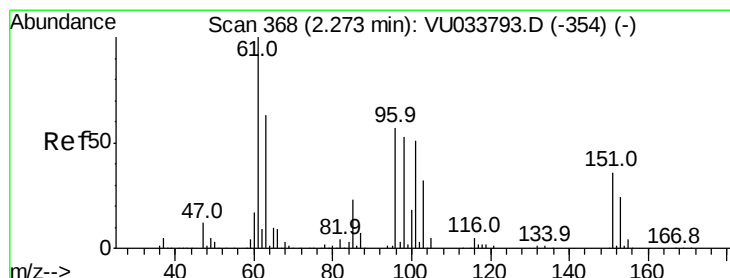
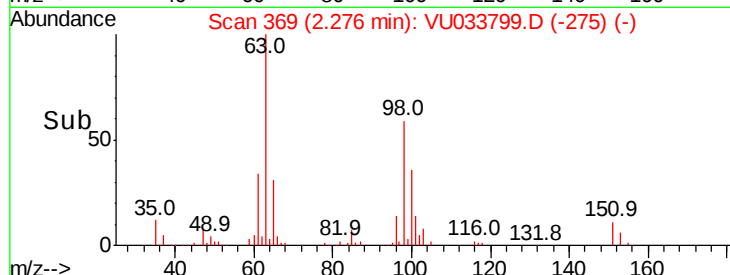
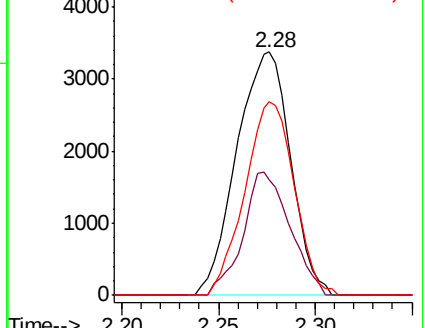
151 73.0 58.7 88.1



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

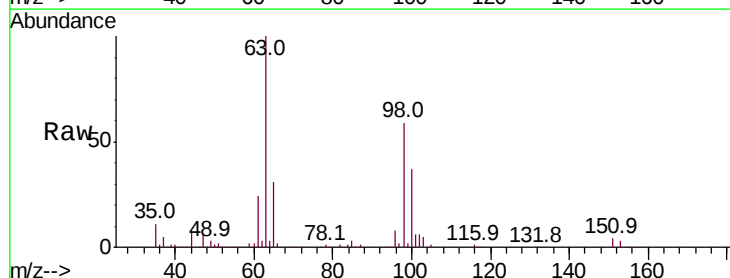
Tgt Ion: 96 Resp: 6682

Ion Ratio Lower Upper

96 100

61 305.0 123.8 230.0#

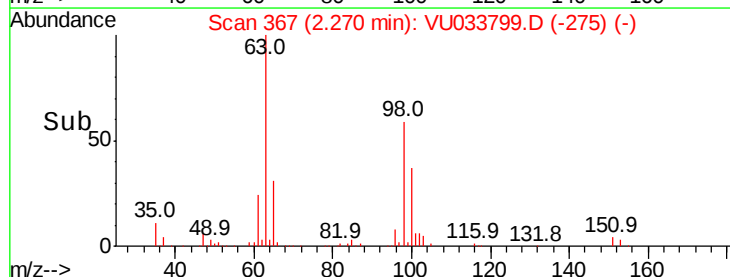
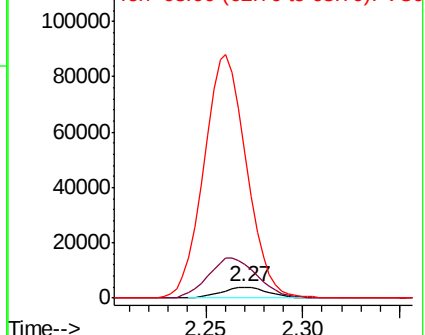
63 1291.2 78.0 144.9#

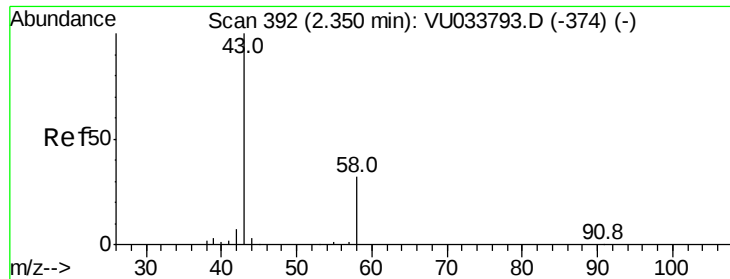


Abundance Ion 96.00 (95.70 to 96.70): VU0

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

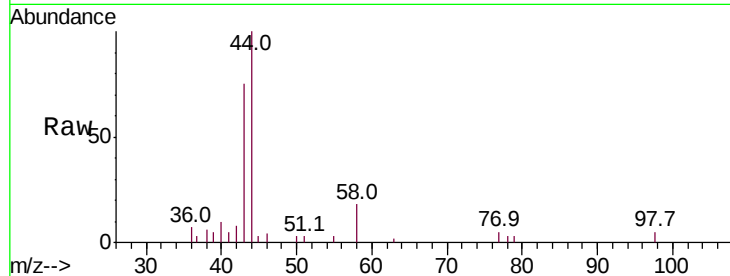
Acq: 14 Aug 2019 15:41

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 (-390) (-)

Ion 58.00 (57.70 to 58.70): VU033799.D (-390) (-)

2.34

3000

2000

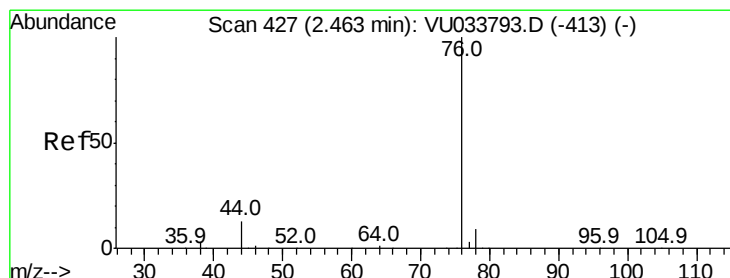
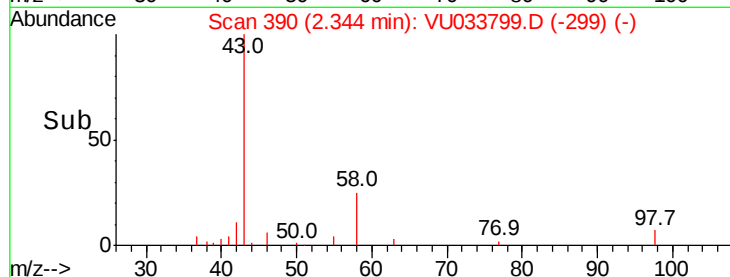
1000

0

Time-->

2.30

2.40



#14

Carbon disulfide

Concen: 0.297 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033799.D

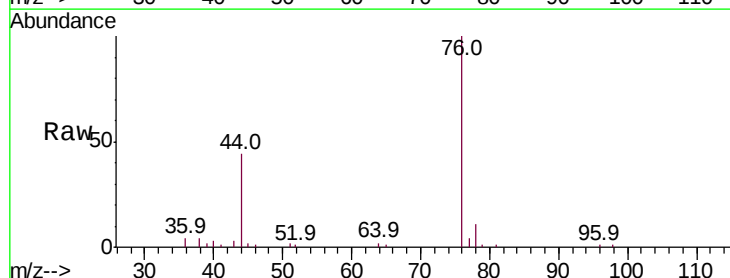
Acq: 14 Aug 2019 15:41

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 (-427) (-)

Ion 78.00 (77.70 to 78.70): VU033799.D (-427) (-)

2.46

10000

5000

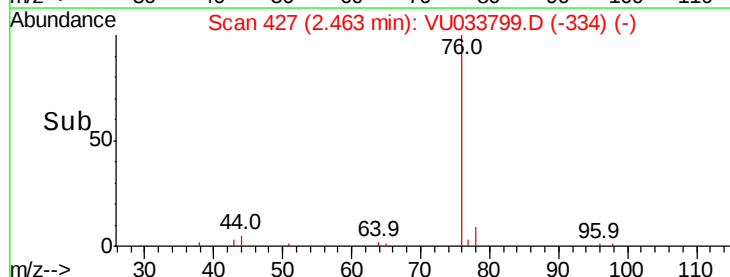
0

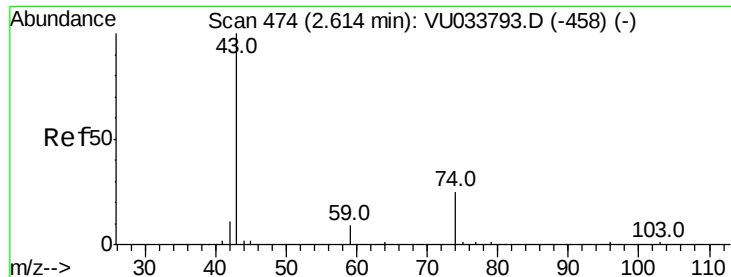
Time-->

2.40

2.45

2.50





#15

Methvl Acetate

Concen: 0.243 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU033799.D

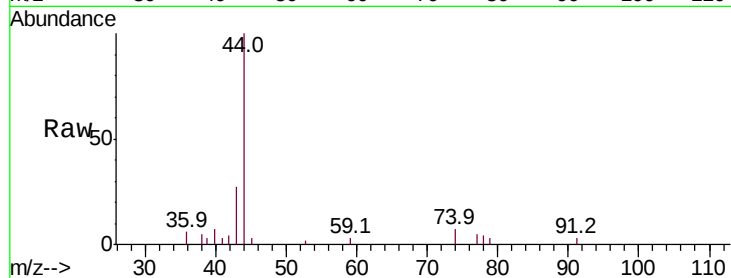
Acq: 14 Aug 2019 15:41

Tot Ion: 43 Resp: 2565

Ion Ratio Lower Upper

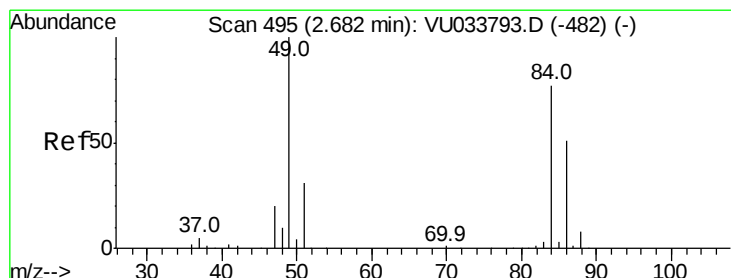
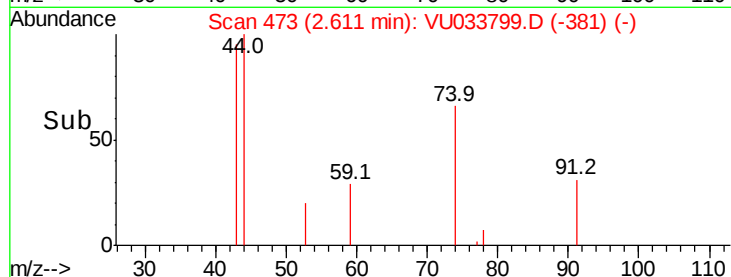
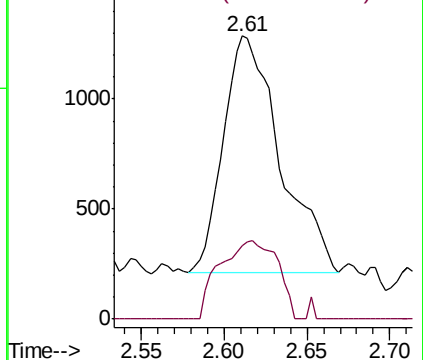
43 100

74 33.8 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VU033799.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU033799.D (-458) (-)



#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

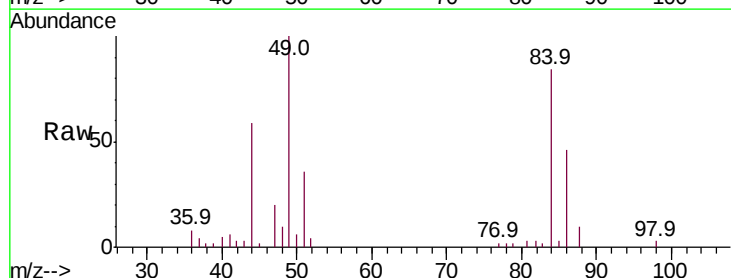
Tgt Ion: 84 Resp: 9611

Ion Ratio Lower Upper

84 100

86 54.9 46.0 85.4

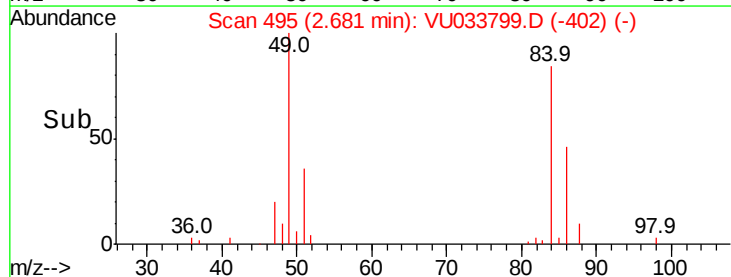
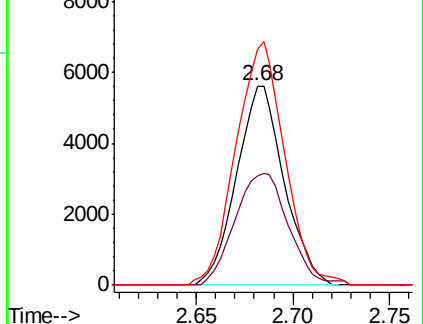
49 118.8 90.4 168.0

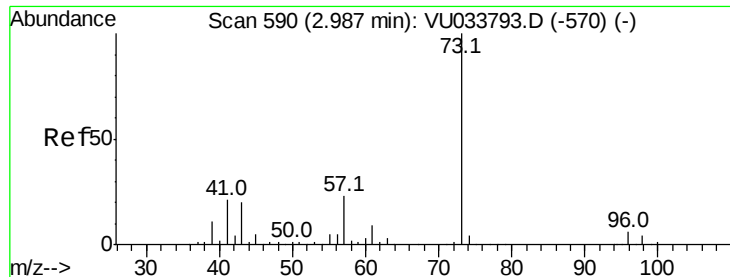


Abundance Ion 84.00 (83.70 to 84.70): VU033799.D (-482) (-)

Ion 86.00 (85.70 to 86.70): VU033799.D (-482) (-)

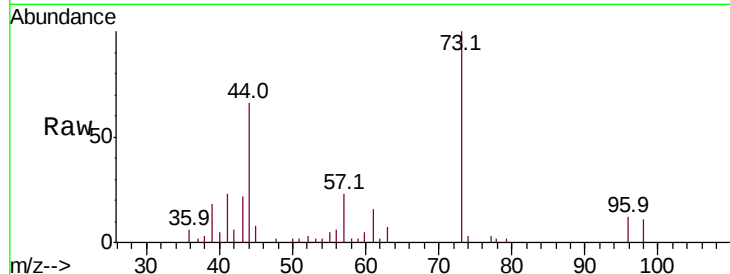
Ion 49.00 (48.70 to 49.70): VU033799.D (-482) (-)



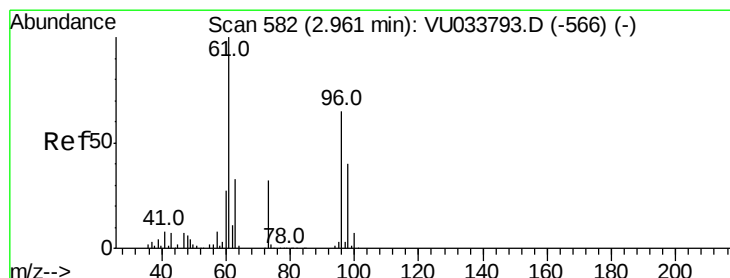
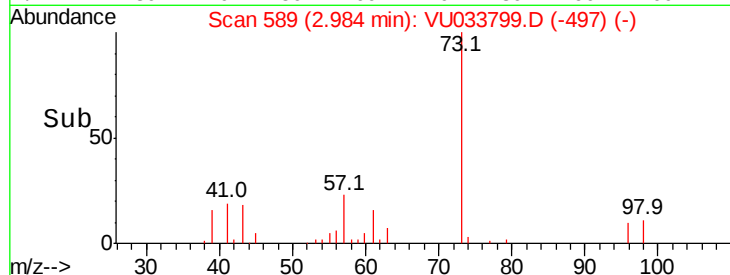
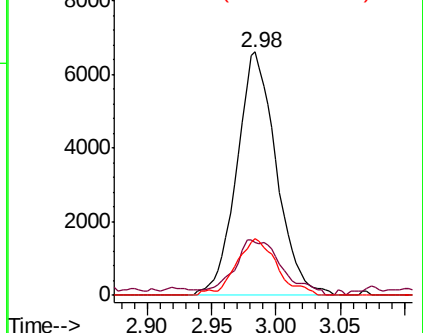


#17
Methvl tert-butvl Ether
Concen: 0.272 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

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

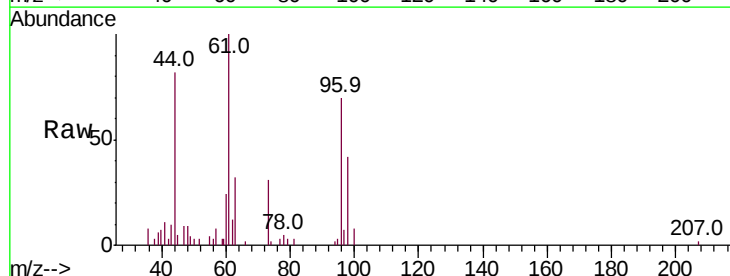


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

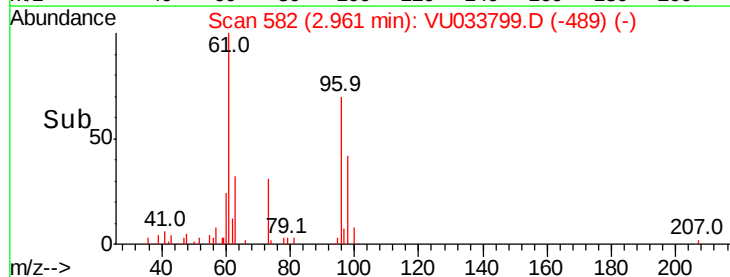
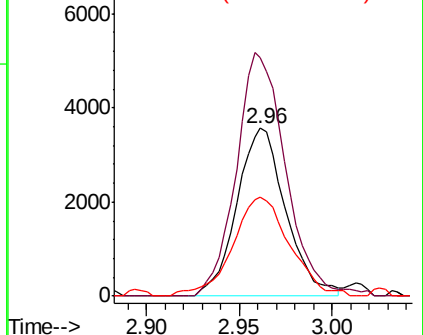


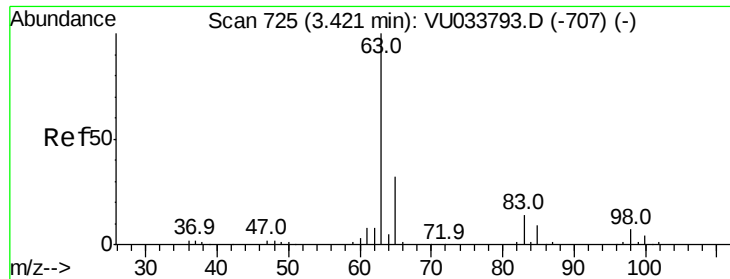
#18
trans-1,2-Dichloroethene
Concen: 0.303 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

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



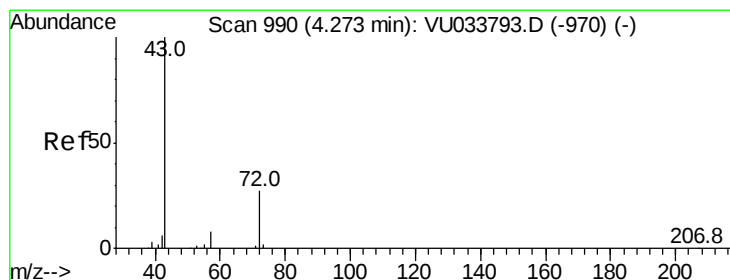
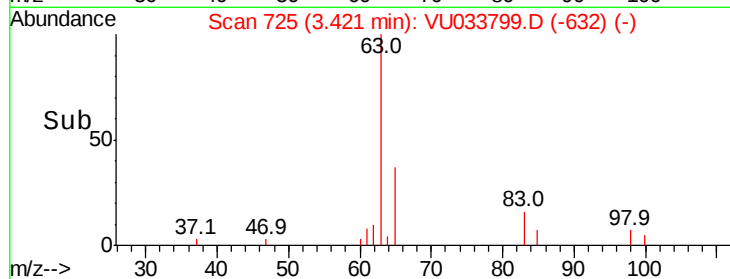
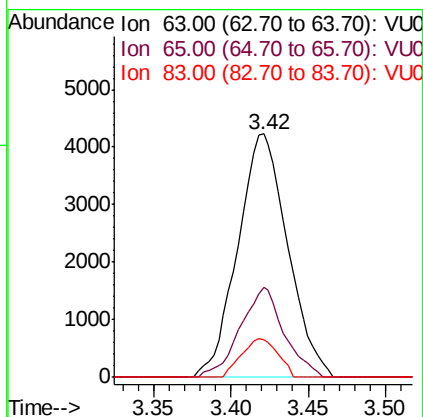
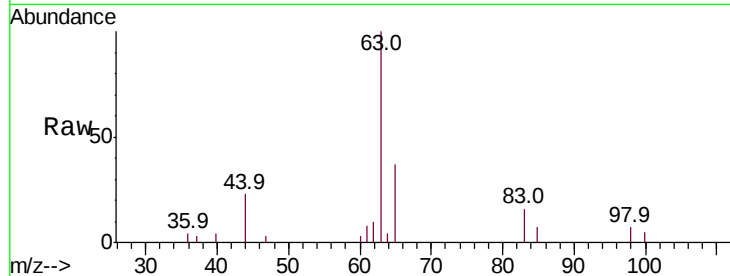
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





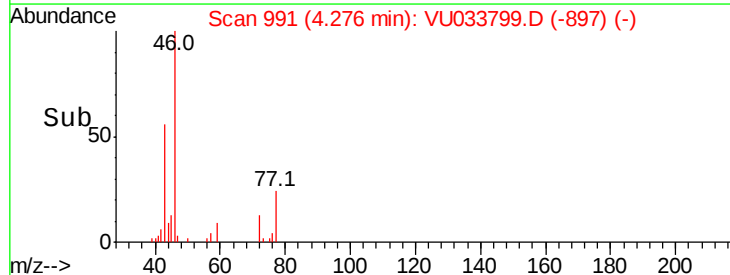
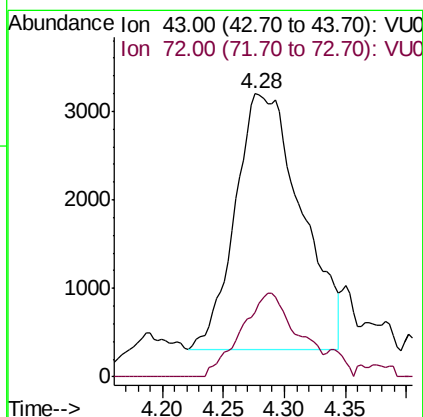
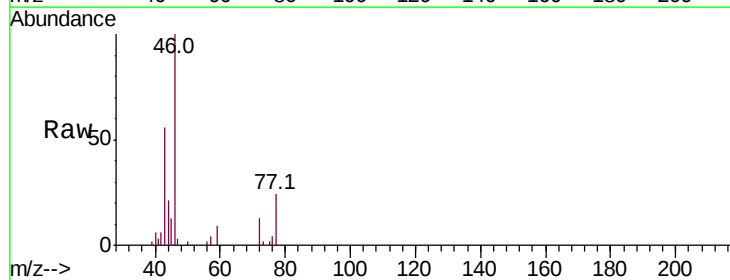
#19
 1,1-Dichloroethane
 Concen: 0.281 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

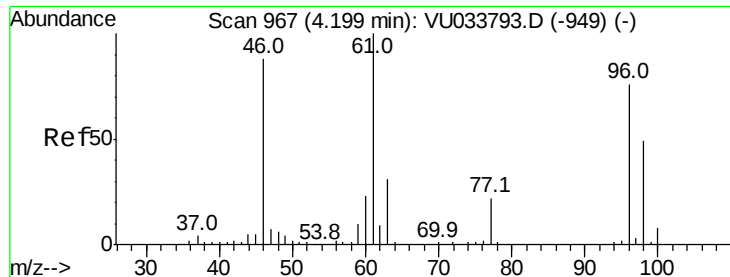
Tot Ion:	63	Resp:	9483
Ion	Ratio	Lower	Upper
63	100		
65	37.2	22.4	41.6
83	15.6	9.7	17.9



#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

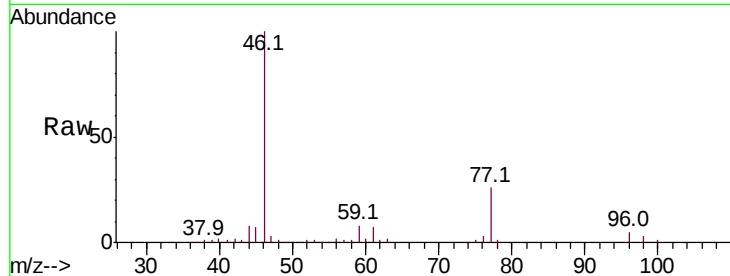




#22

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	Ratio	Lower	Upper
96	100		
61	135.0	91.7	170.3
98	60.2	45.1	83.9

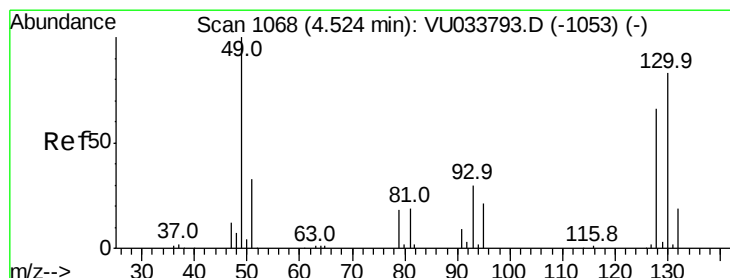
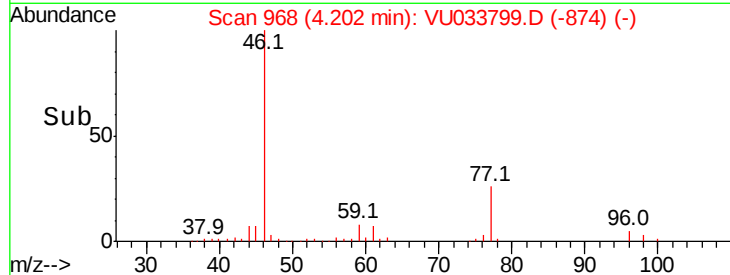
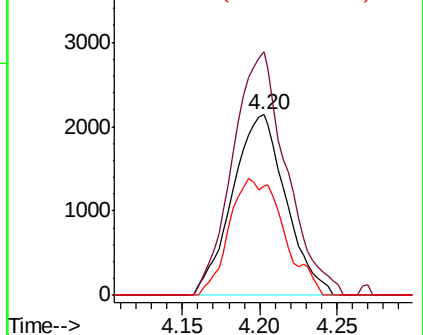


Abundance

Ion 96.00 (95.70 to 96.70): VU033799.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU033799.D (-949) (-)

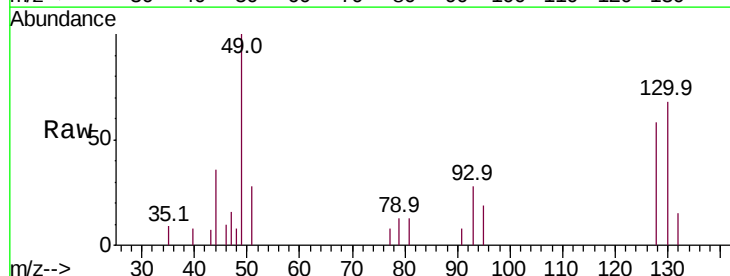
Ion 98.00 (97.70 to 98.70): VU033799.D (-949) (-)



#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	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



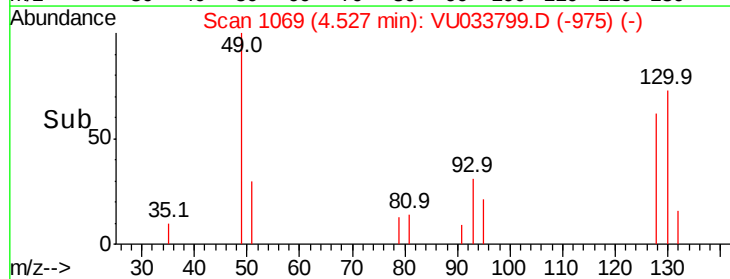
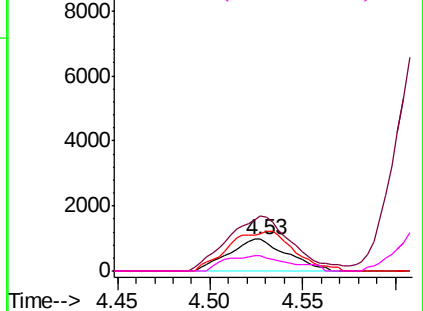
Abundance

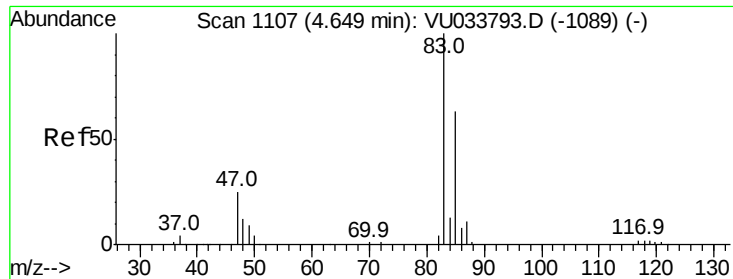
Ion 128.00 (127.70 to 128.70): VU033799.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU033799.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU033799.D (-1053) (-)

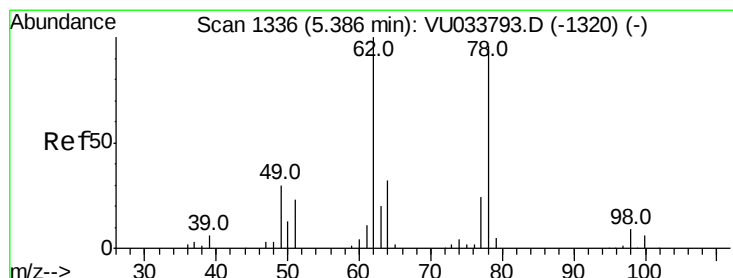
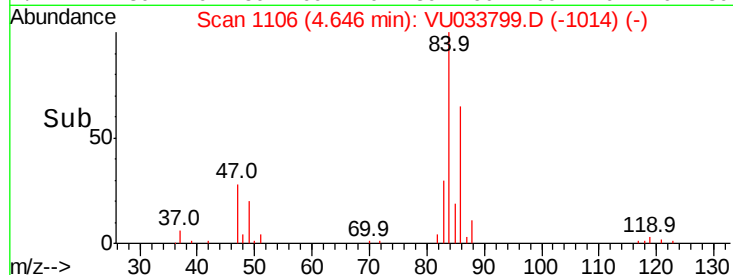
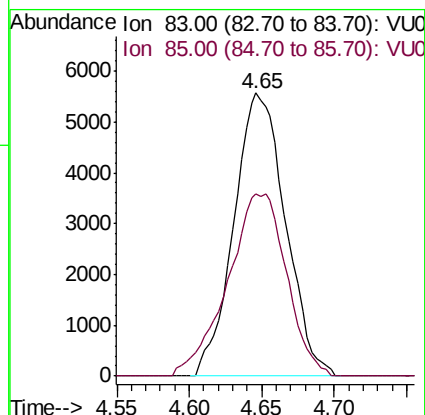
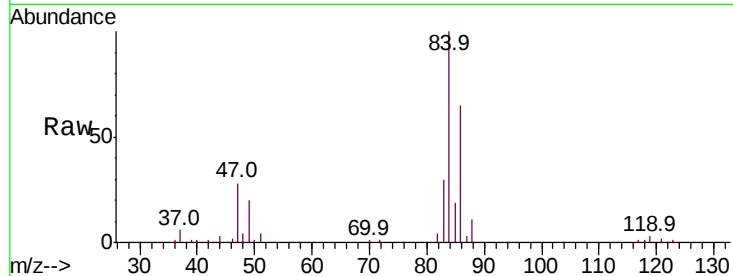
Ion 51.00 (50.70 to 51.70): VU033799.D (-1053) (-)





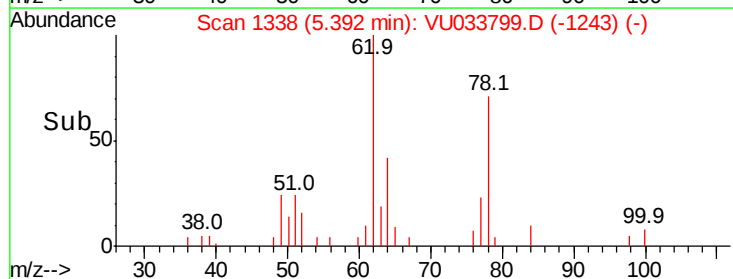
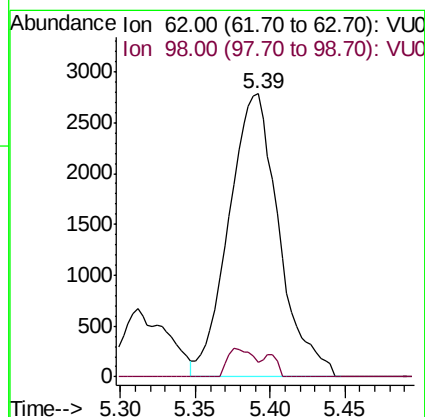
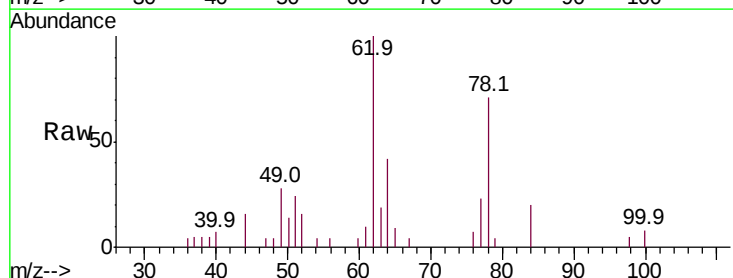
#25
Chloroform
Concen: 0.380 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

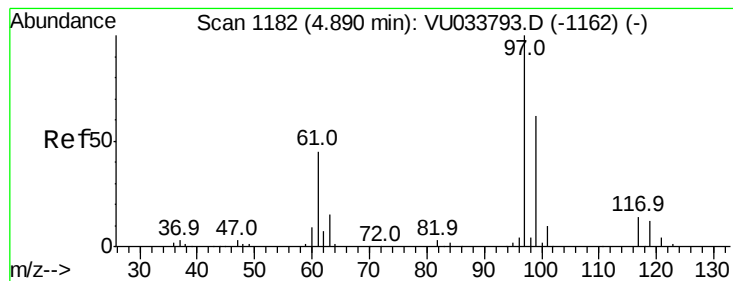
Tot Ion: 83 Resp: 13767
Ion Ratio Lower Upper
83 100
85 64.5 44.2 82.0



#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

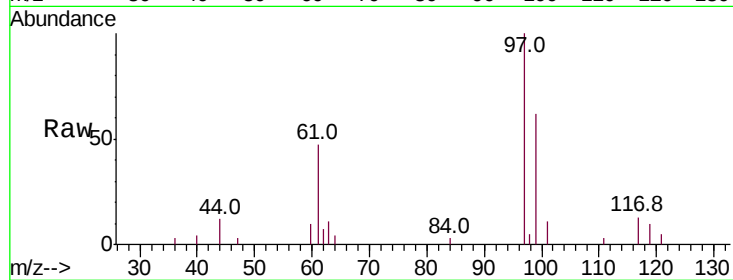
Tot Ion: 97 Resp: 7991

Ion Ratio Lower Upper

97 100

99 64.7 50.8 76.2

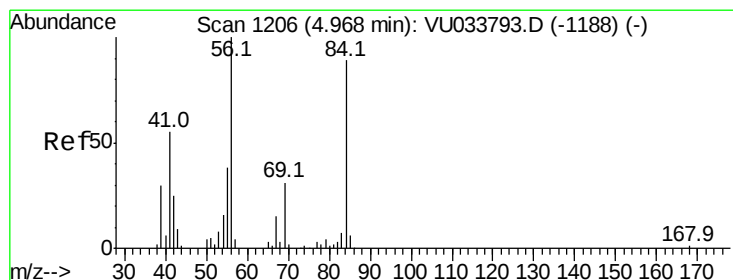
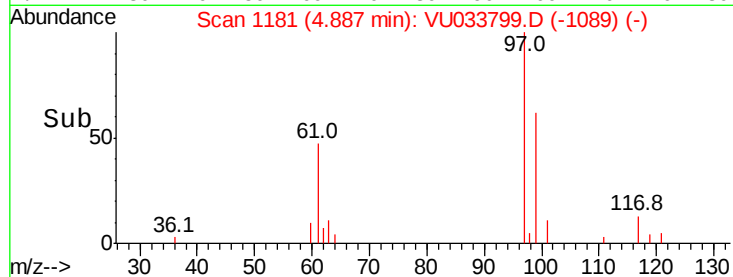
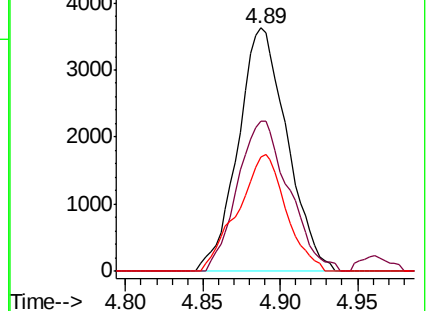
61 47.3 37.4 56.0



Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#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

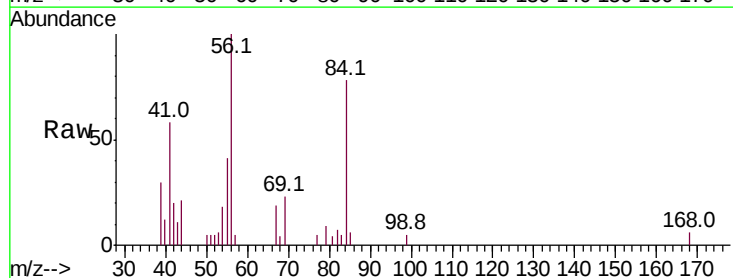
Tgt Ion: 56 Resp: 6668

Ion Ratio Lower Upper

56 100

69 13.0 25.2 37.8#

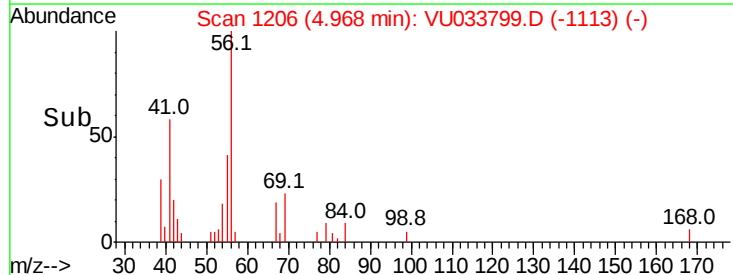
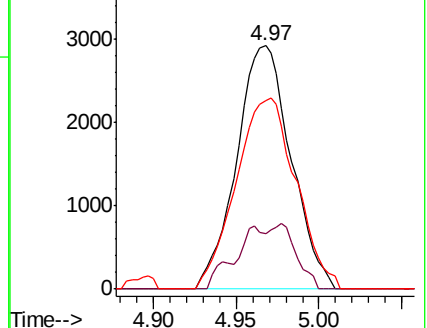
84 86.2 69.8 104.6

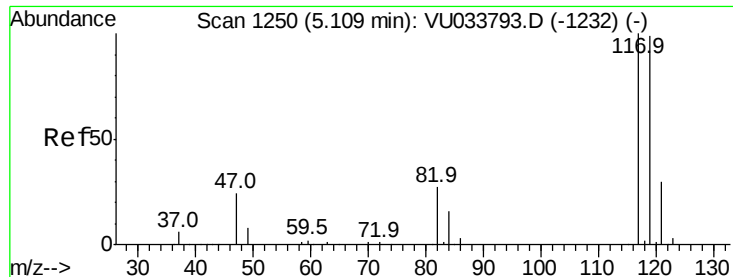


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#31

Carbon tetrachloride

Concen: 0.276 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU033799.D

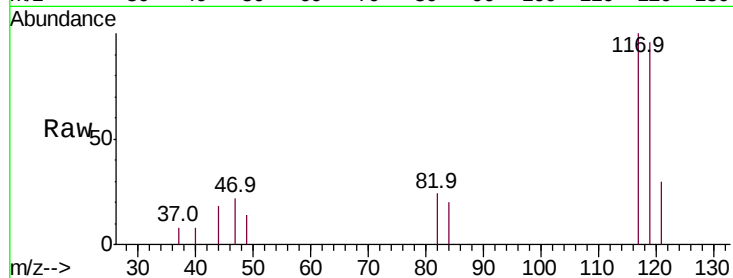
Acq: 14 Aug 2019 15:41

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

3000

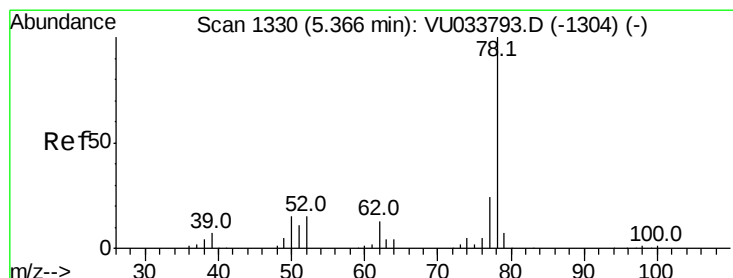
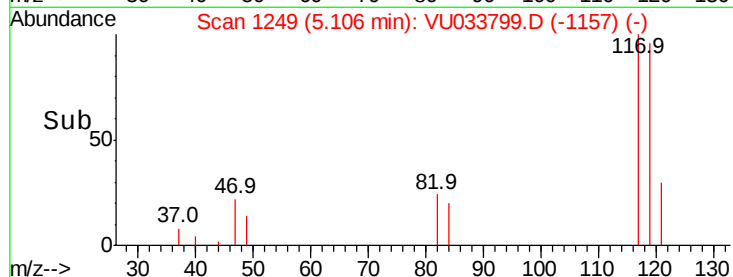
2000

1000

0

5.05 5.10 5.15

Time-->



#33

Benzene

Concen: 0.275 ug/L

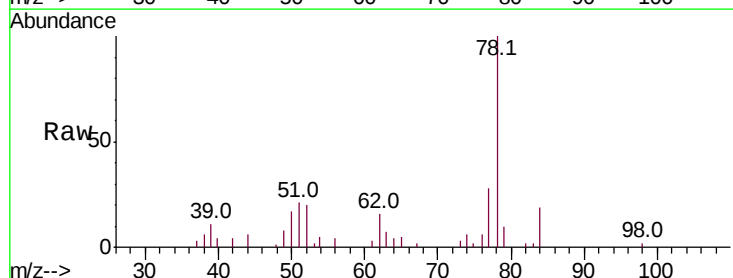
RT: 5.37 min Scan# 1331

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

8000

6000

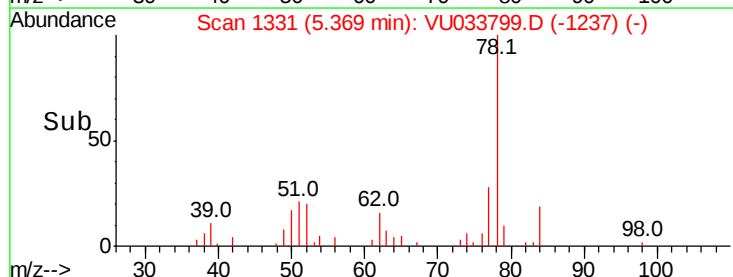
4000

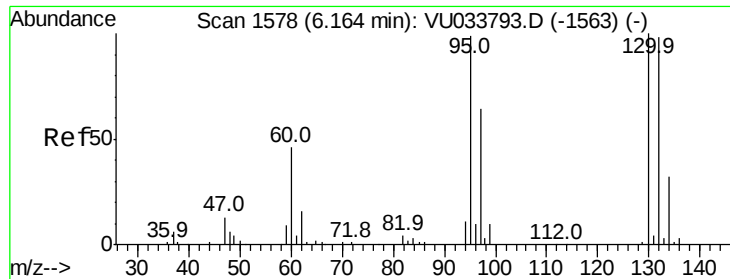
2000

0

5.30 5.40

Time-->





#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

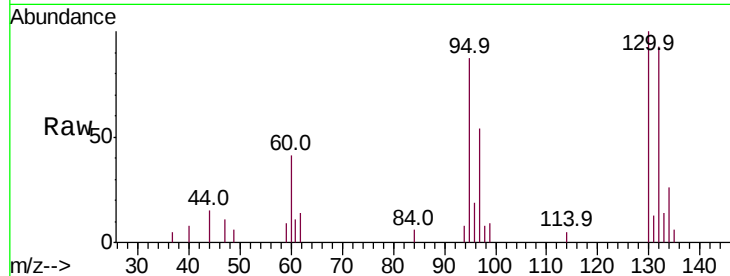
Ion Ratio Lower Upper

95 100

97 62.0 45.4 84.4

132 106.5 68.9 127.9

130 114.7 70.5 130.9

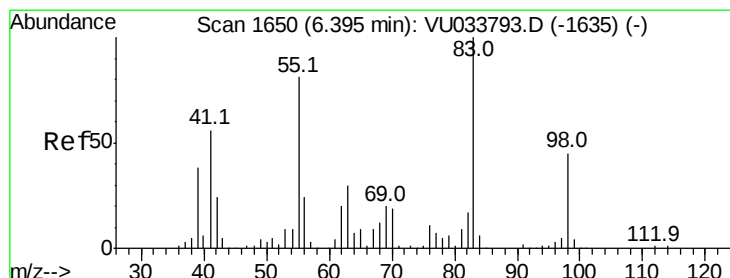
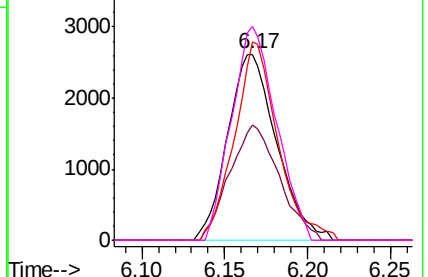
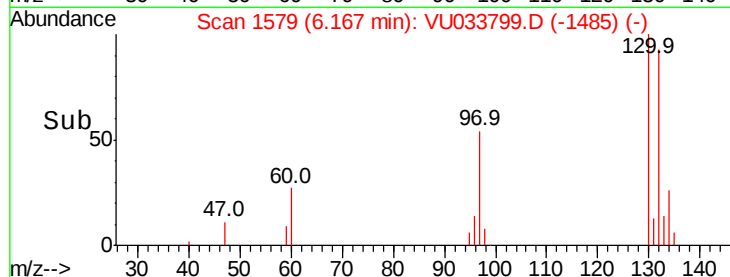


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

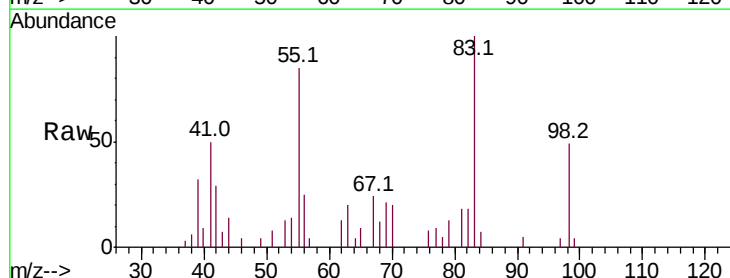
Tgt Ion: 83 Resp: 6800

Ion Ratio Lower Upper

83 100

55 88.1 65.0 97.6

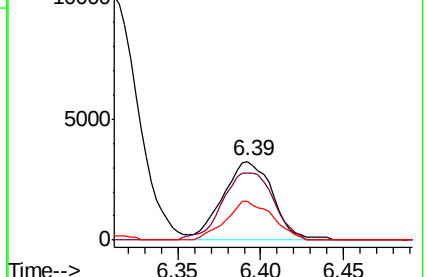
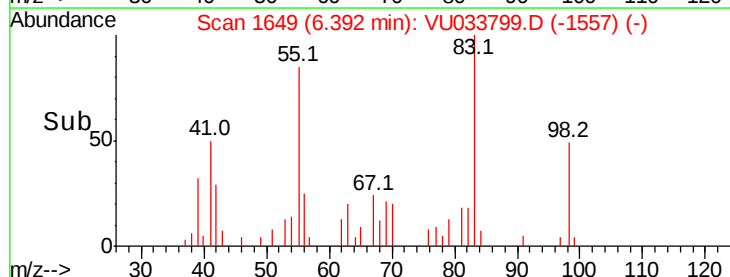
98 46.2 36.2 54.4

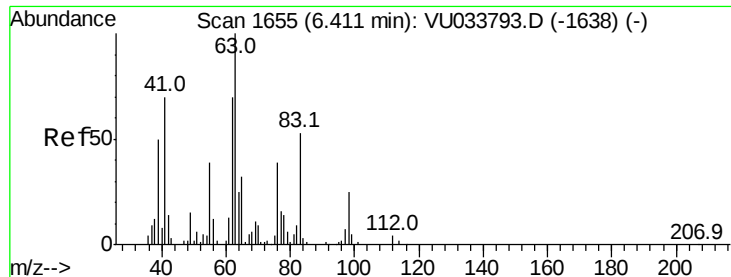


Abundance Ion 83.00 (82.70 to 83.70): VU0

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

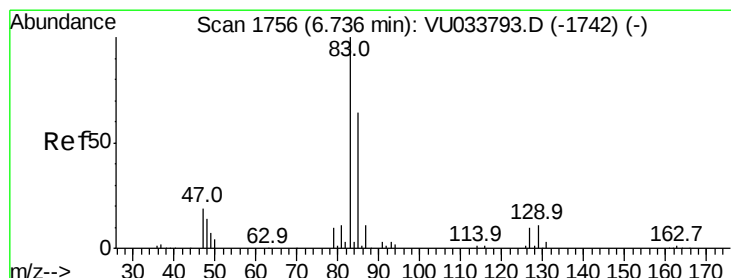
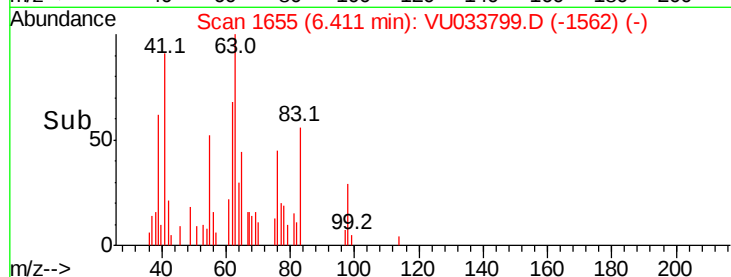
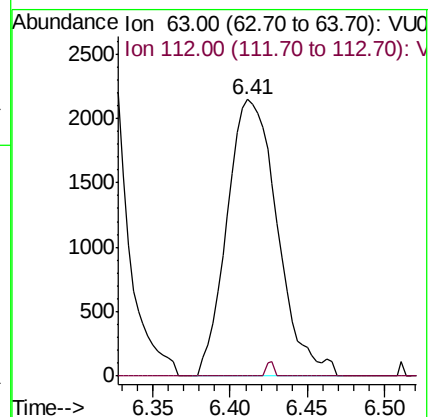
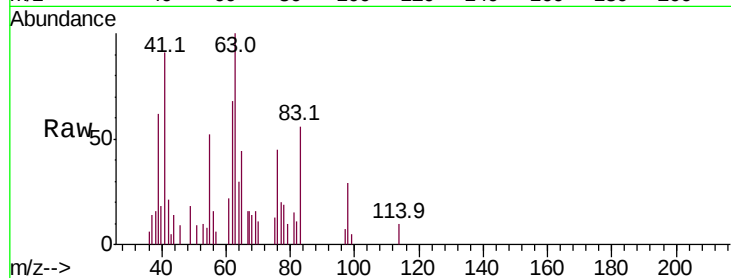
Acq: 14 Aug 2019 15:41

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

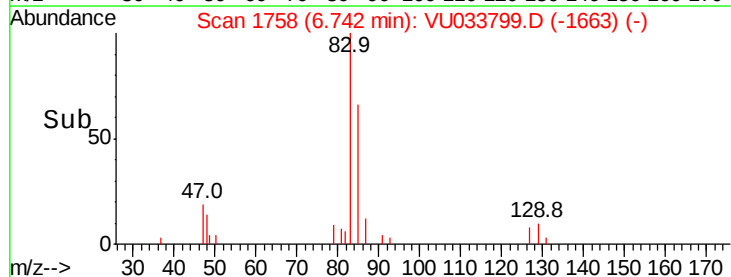
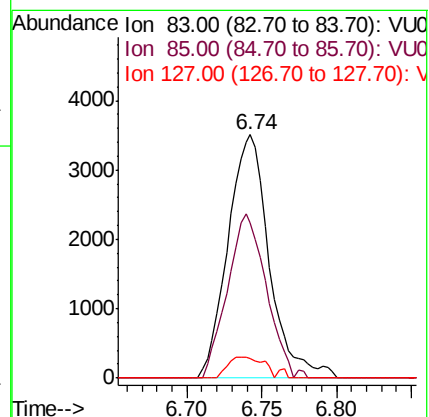
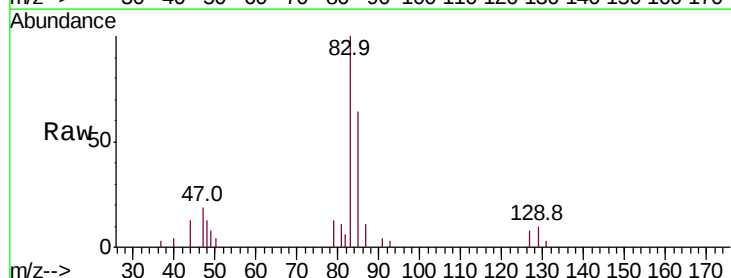
Tgt Ion: 83 Resp: 6757

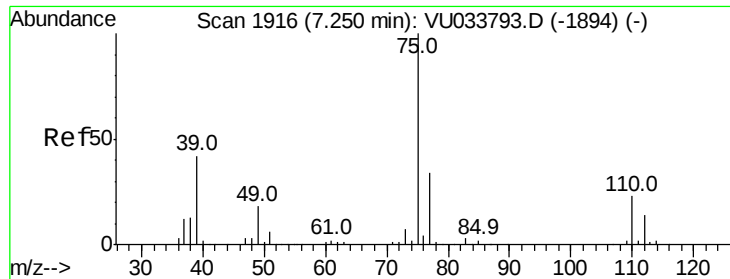
Ion Ratio Lower Upper

83 100

85 63.6 45.0 83.6

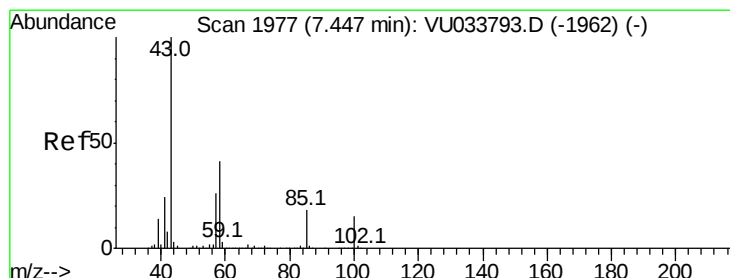
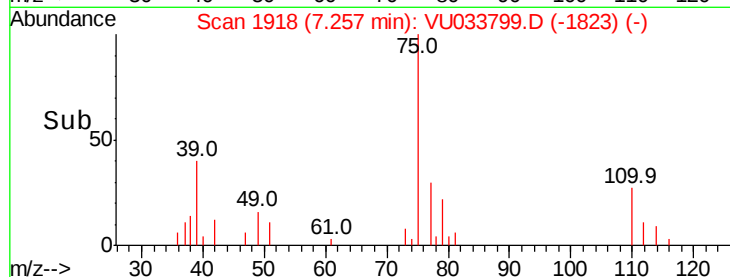
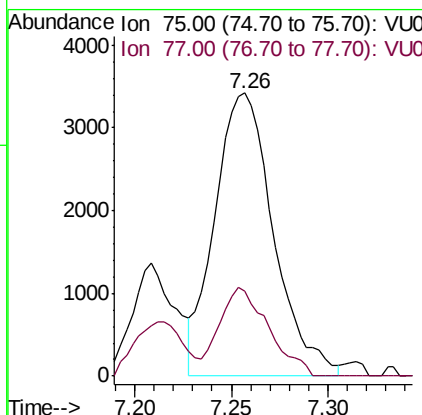
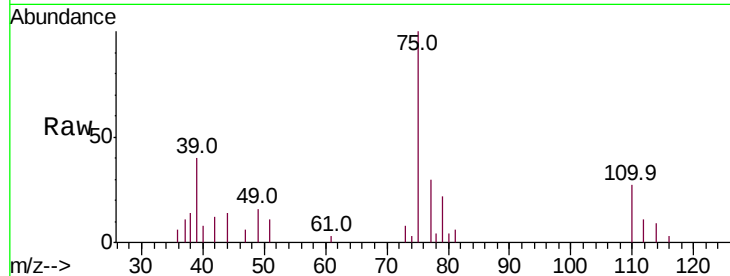
127 7.9 7.8 11.6





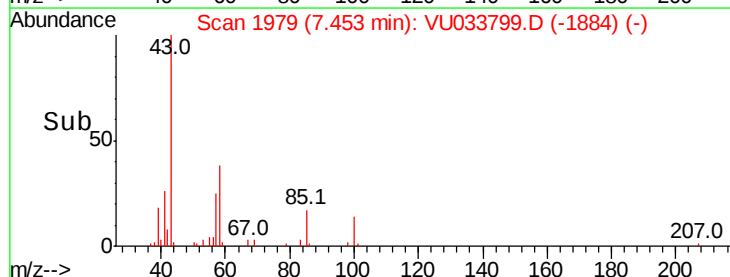
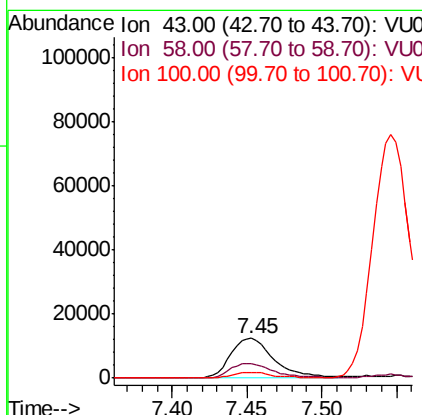
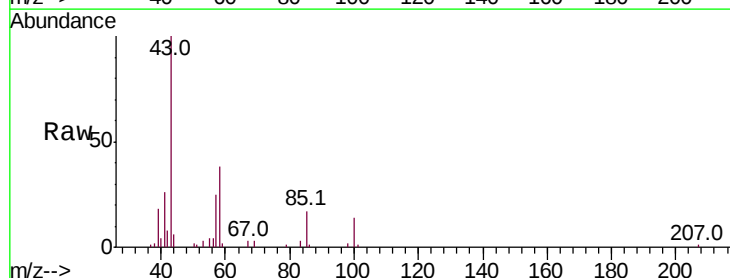
#39
 cis-1,3-Dichloropropene
 Concen: 0.268 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.01 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

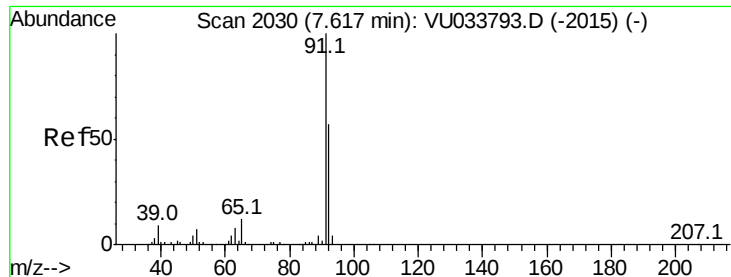
Tot Ion: 75 Resp: 7221
 Ion Ratio Lower Upper
 75 100
 77 29.8 23.6 43.8



#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#





#42

Toluene

Concen: 0.254 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033799.D

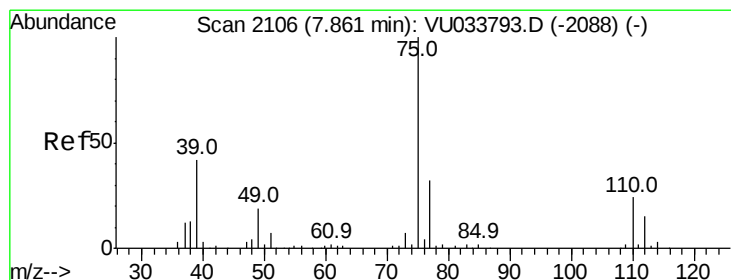
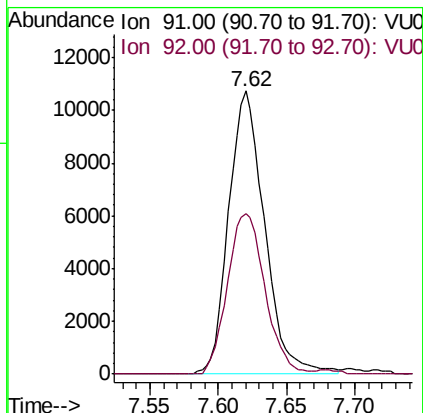
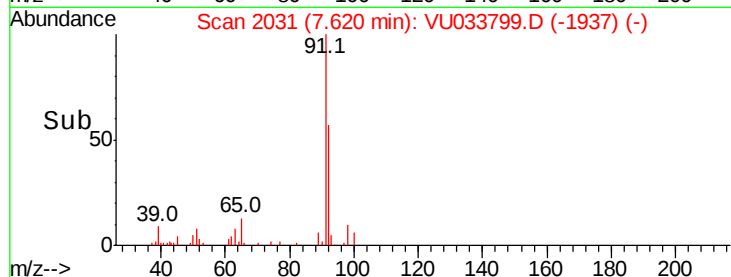
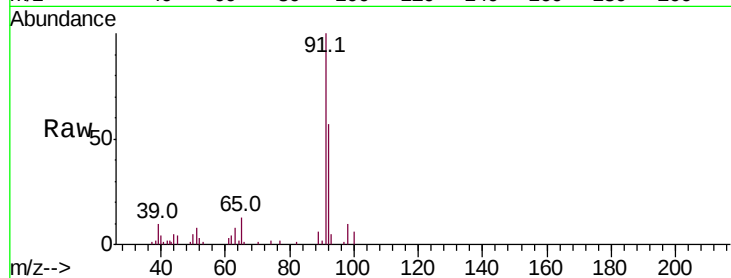
Acq: 14 Aug 2019 15:41

Tot Ion: 91 Resp: 19704

Ion Ratio Lower Upper

91 100

92 56.7 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 0.322 ug/L

RT: 7.87 min Scan# 2109

Delta R.T. 0.01 min

Lab File: VU033799.D

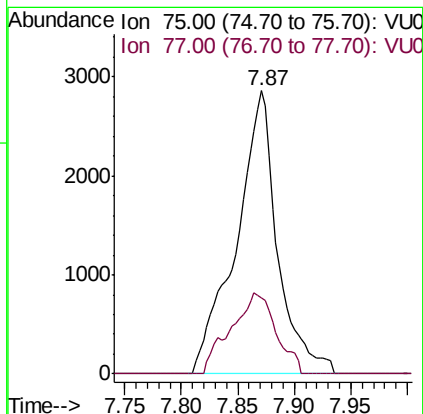
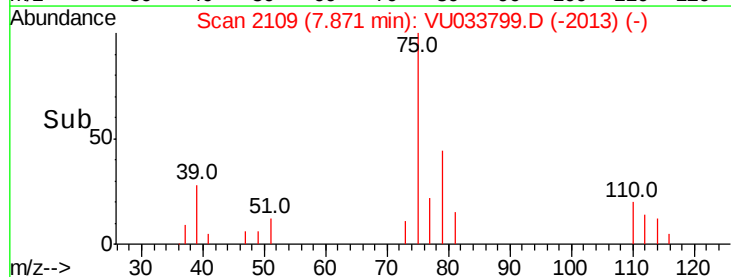
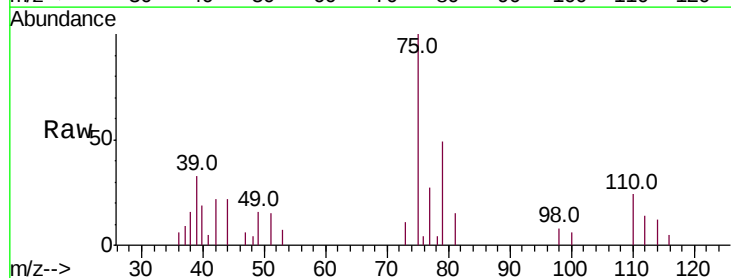
Acq: 14 Aug 2019 15:41

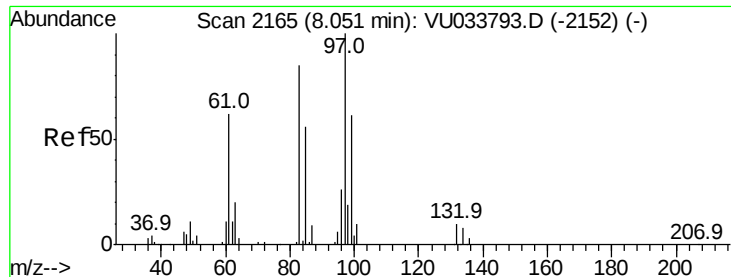
Tgt Ion: 75 Resp: 7247

Ion Ratio Lower Upper

75 100

77 26.9 22.3 41.3





#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

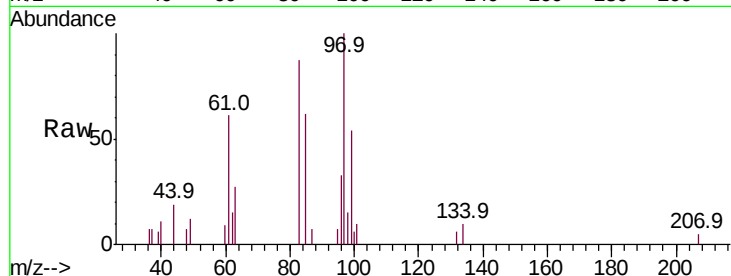
Ion	Ratio	Lower	Upper
97	100		
99	54.2	42.6	79.0
83	87.5	59.8	111.1
85	62.2	39.3	72.9

97 100

99 54.2 42.6 79.0

83 87.5 59.8 111.1

85 62.2 39.3 72.9



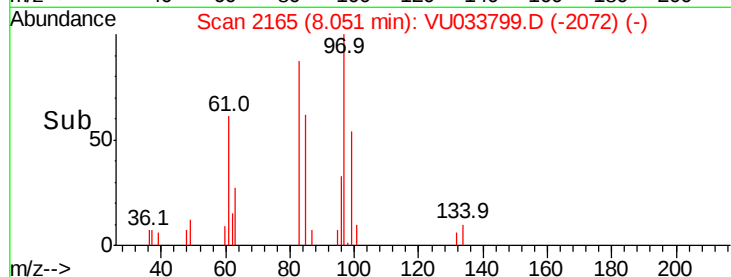
Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

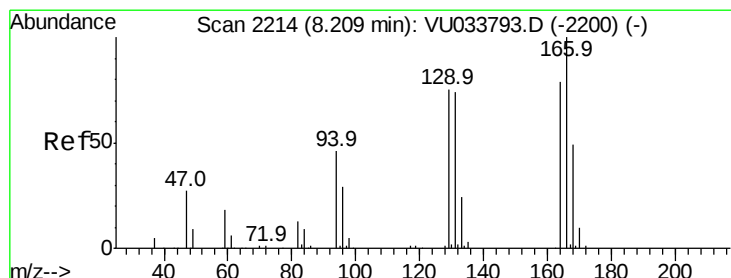
Ion 85.00 (84.70 to 85.70): VU0

8.05



Time-->

8.00 8.05 8.10



#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

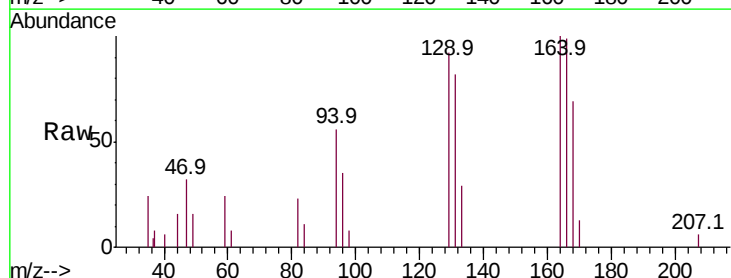
Ion	Ratio	Lower	Upper
164	100		
129	91.8	66.1	122.7
131	81.9	65.2	121.2
166	98.5	88.5	164.4

164 100

129 91.8 66.1 122.7

131 81.9 65.2 121.2

166 98.5 88.5 164.4



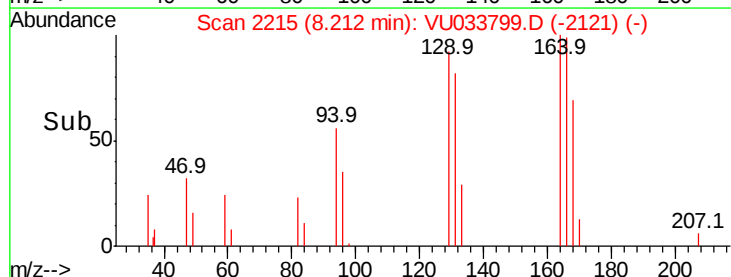
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

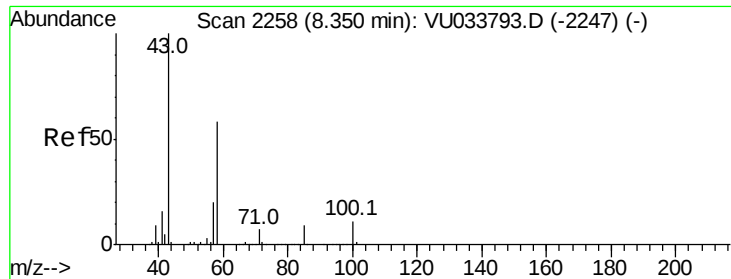
Ion 166.00 (165.70 to 166.70): V

8.21



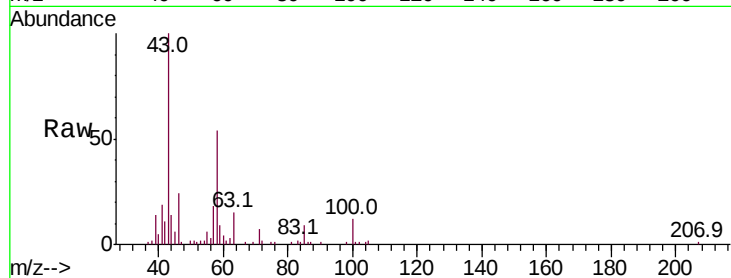
Time-->

8.15 8.20 8.25

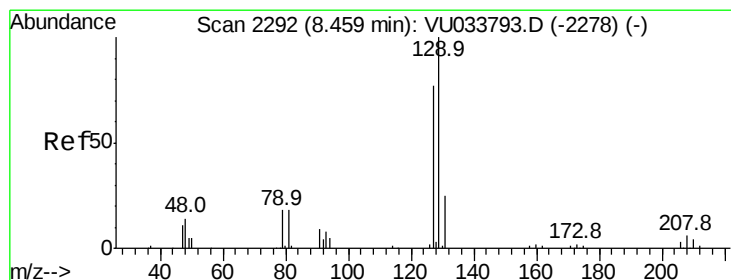
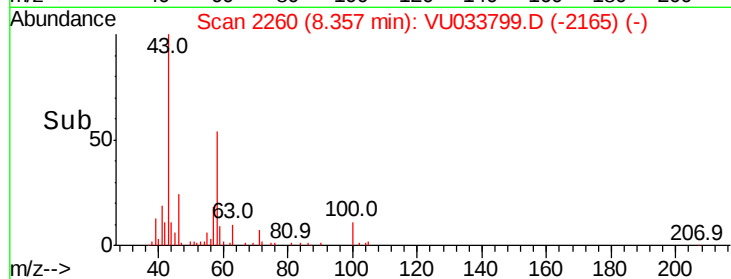
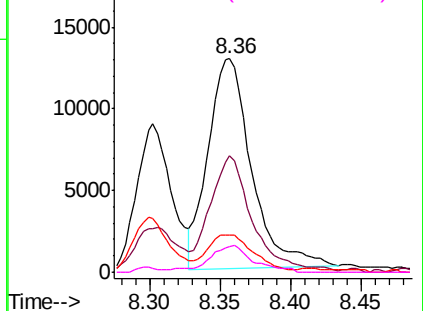


#48
2-Hexanone
Concen: 3.302 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.01 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

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

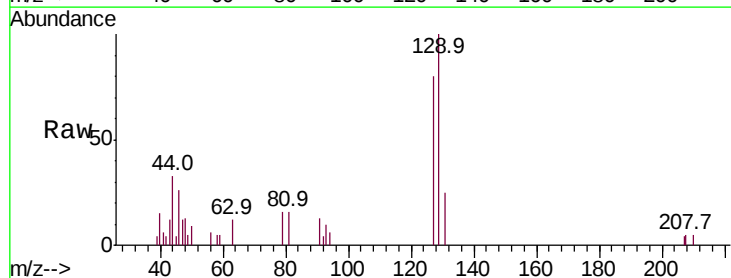


Abundance Ion 43.00 (42.70 to 43.70): VU033799.D (-2247) (-)
Ion 58.00 (57.70 to 58.70): VU033799.D (-2247) (-)
Ion 57.00 (56.70 to 57.70): VU033799.D (-2247) (-)
Ion 100.00 (99.70 to 100.70): VU033799.D (-2247) (-)

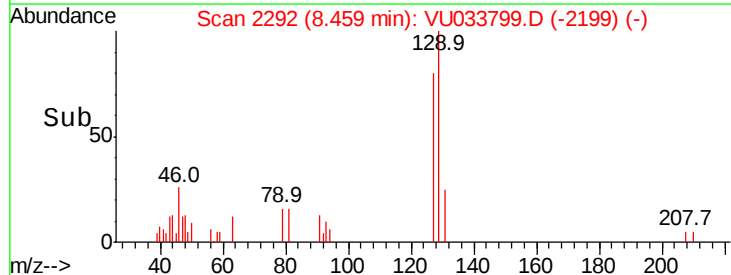
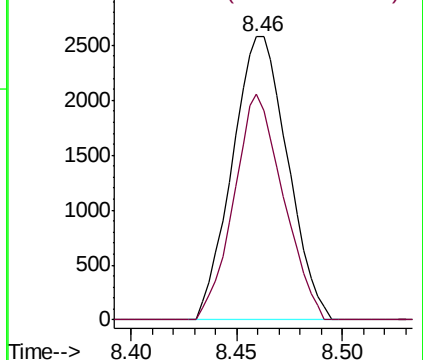


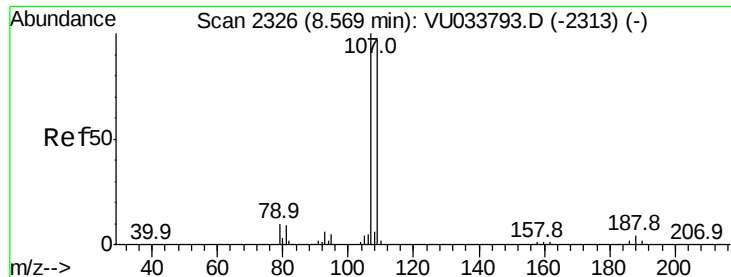
#49
Dibromochloromethane
Concen: 0.272 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

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 (-2278) (-)
Ion 127.00 (126.70 to 127.70): VU033799.D (-2278) (-)





#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

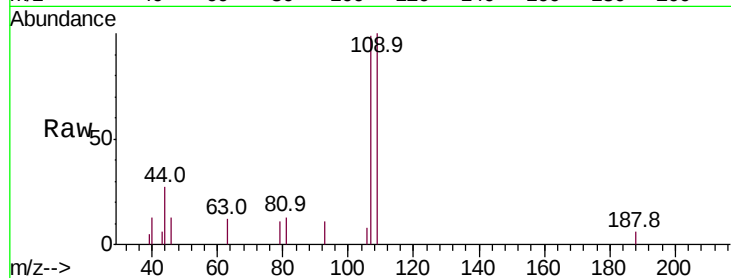
Tot Ion:107 Resp: 3523

Ion Ratio Lower Upper

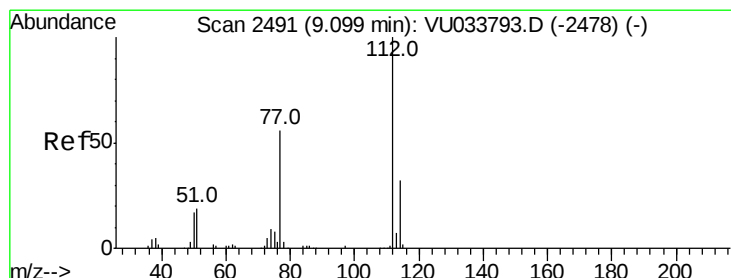
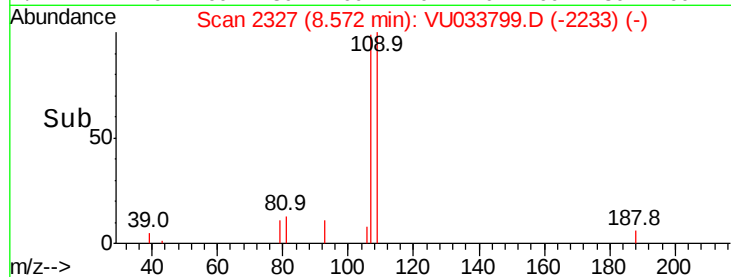
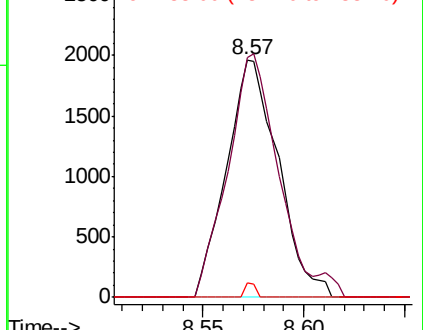
107 100

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

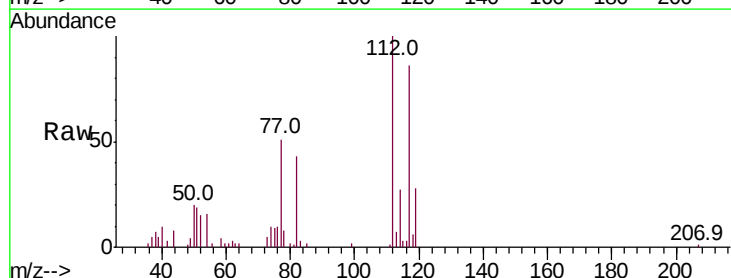
Tgt Ion:112 Resp: 13442

Ion Ratio Lower Upper

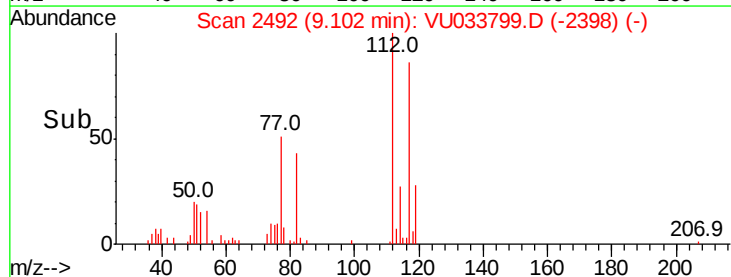
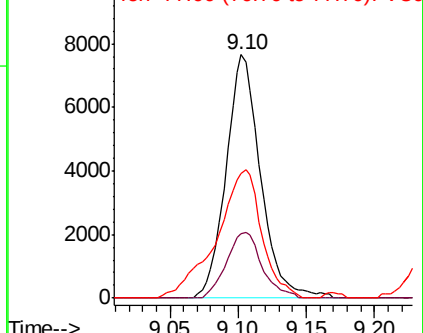
112 100

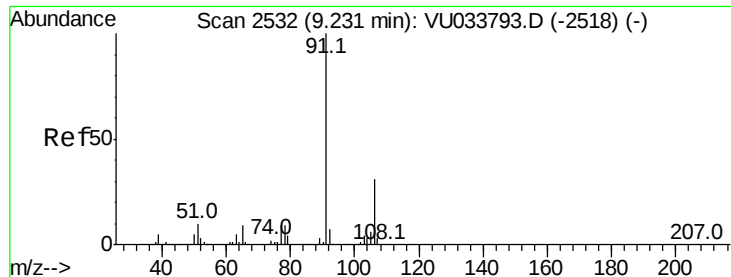
114 26.7 22.5 41.7

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

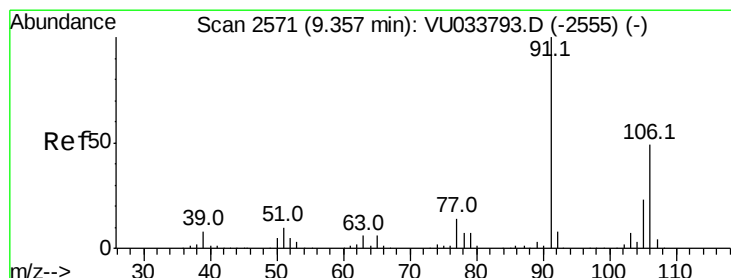
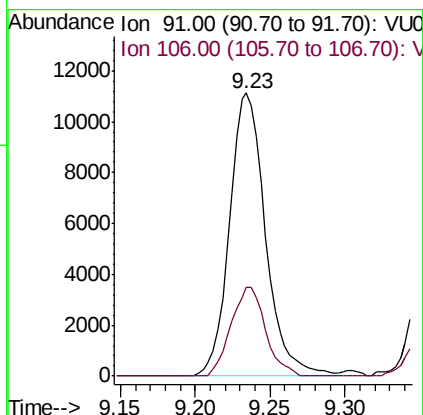
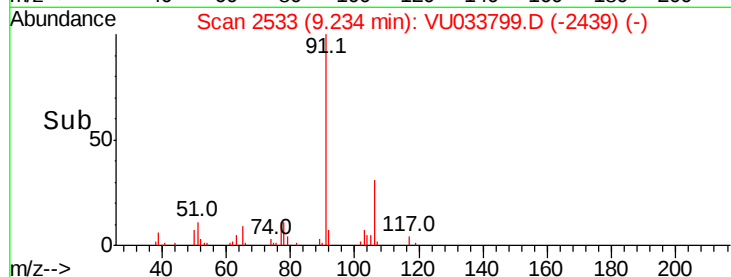
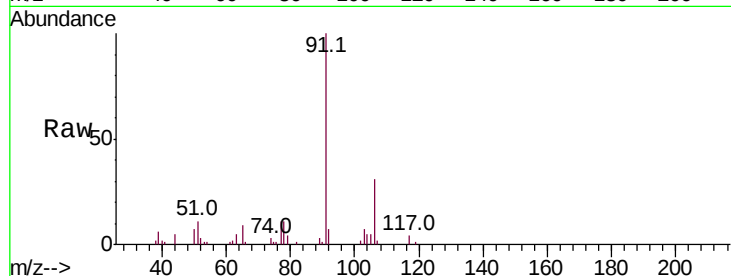
Acq: 14 Aug 2019 15:41

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

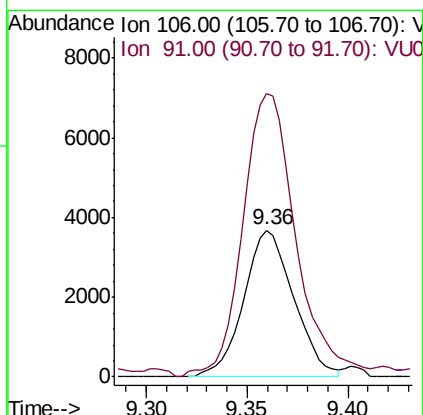
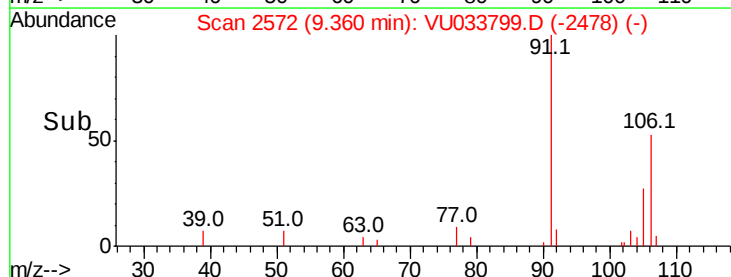
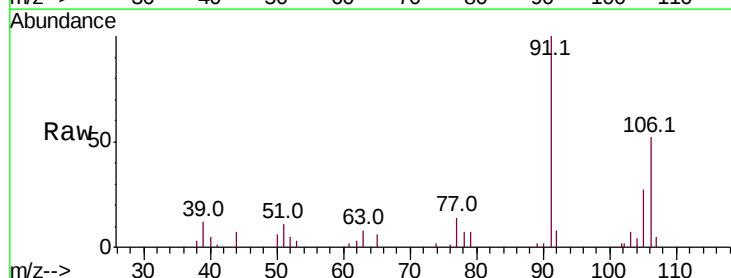
Acq: 14 Aug 2019 15:41

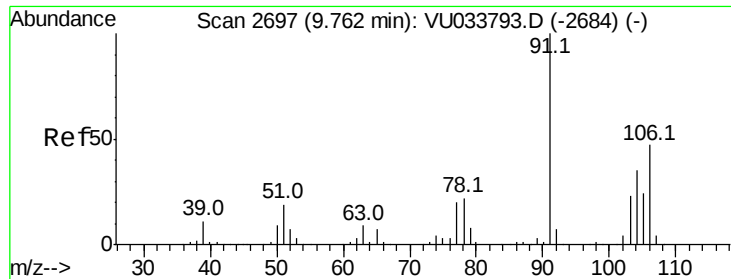
Tgt Ion: 106 Resp: 6373

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

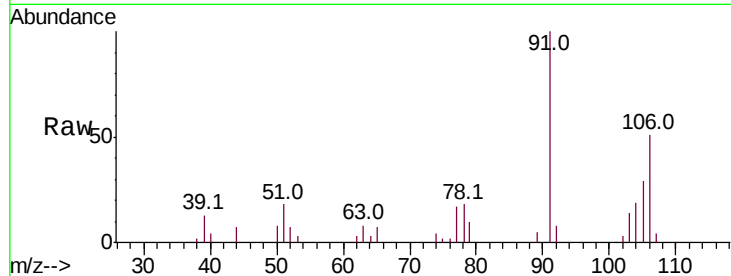
Acq: 14 Aug 2019 15:41

Tot Ion:106 Resp: 5753

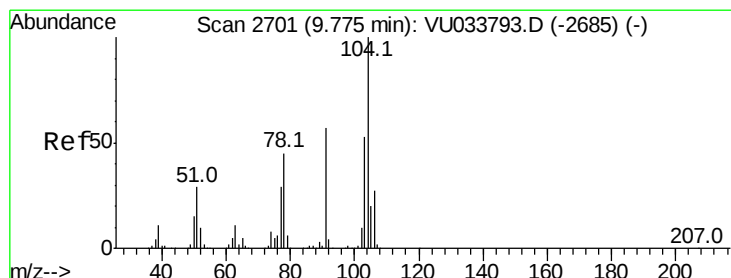
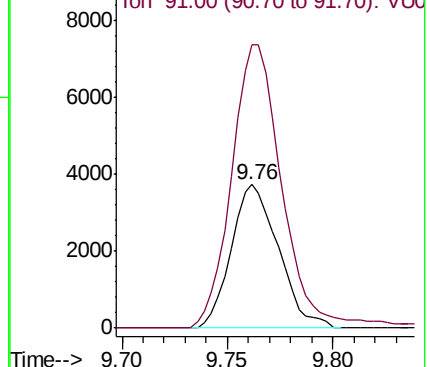
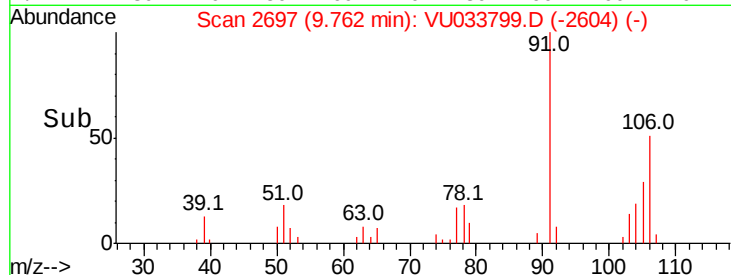
Ion Ratio Lower Upper

106 100

91 197.0 149.5 277.7



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 0.183 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU033799.D

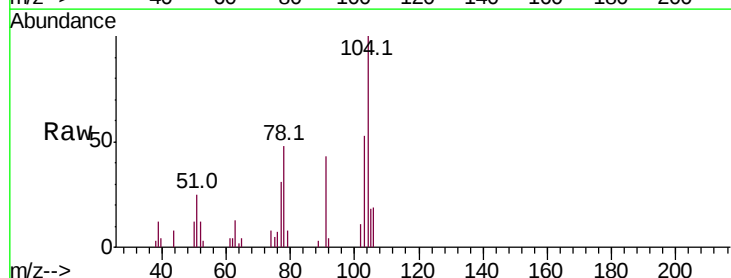
Acq: 14 Aug 2019 15:41

Tgt Ion:104 Resp: 9117

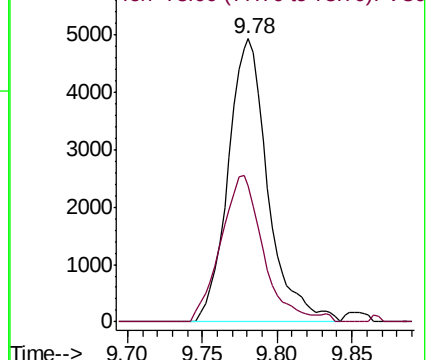
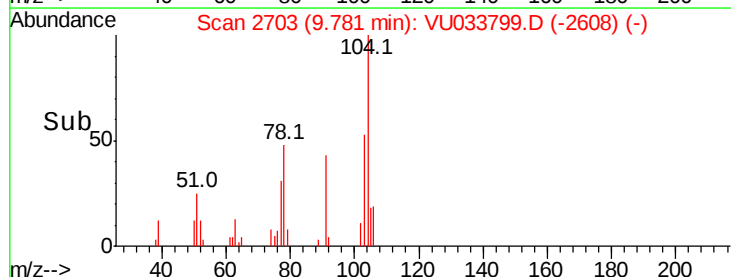
Ion Ratio Lower Upper

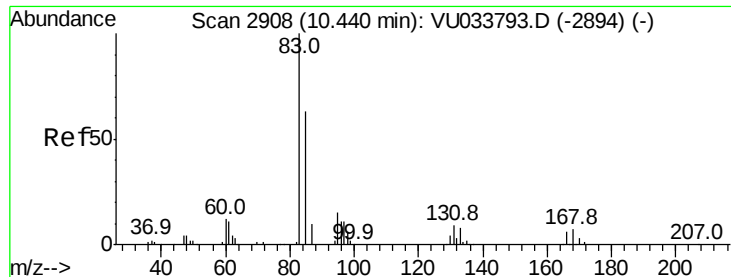
104 100

78 48.0 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V





#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

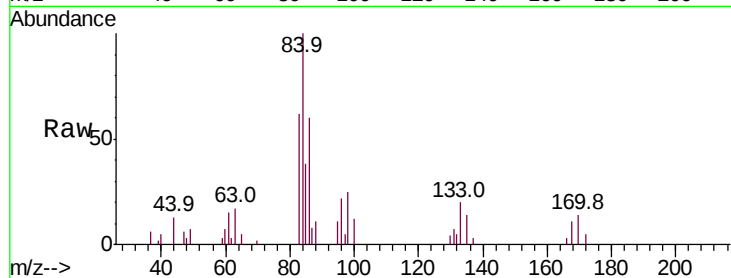
Tot Ion: 83 Resp: 5190

Ion	Ratio	Lower	Upper
83	100		
85	61.8	44.4	82.4
131	12.1	7.6	11.4#

83 100

85 61.8 44.4 82.4

131 12.1 7.6 11.4#

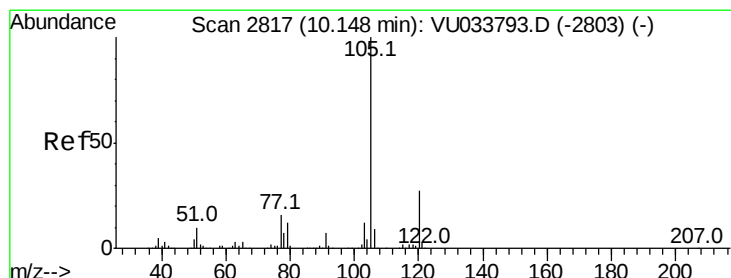
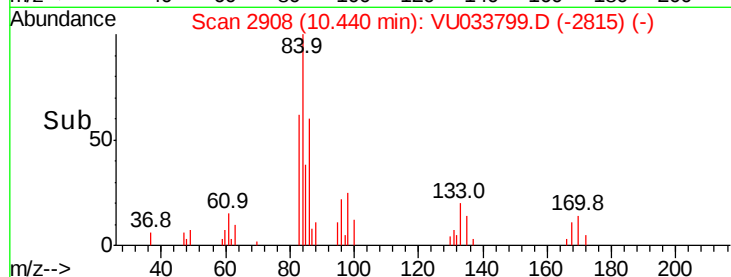
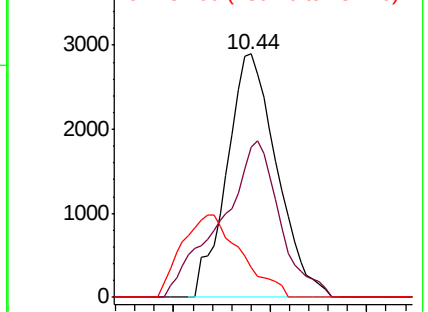


Abundance

Ion 83.00 (82.70 to 83.70): VU033799.D (-2894) (-)

Ion 85.00 (84.70 to 85.70): VU033799.D (-2894) (-)

Ion 131.00 (130.70 to 131.70): VU033799.D (-2894) (-)



#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

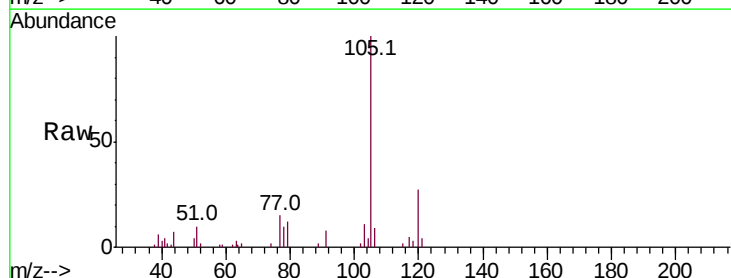
Tgt Ion: 105 Resp: 15491

Ion	Ratio	Lower	Upper
105	100		
120	25.4	21.5	32.3
77	16.8	12.8	19.2

105 100

120 25.4 21.5 32.3

77 16.8 12.8 19.2

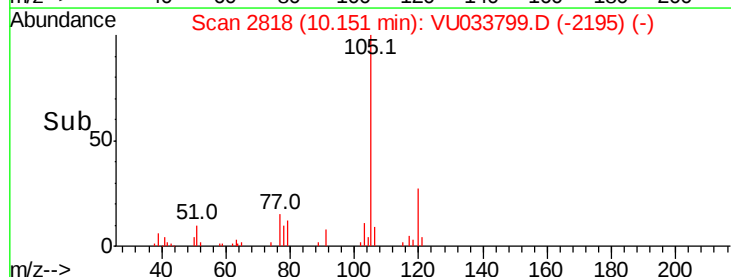
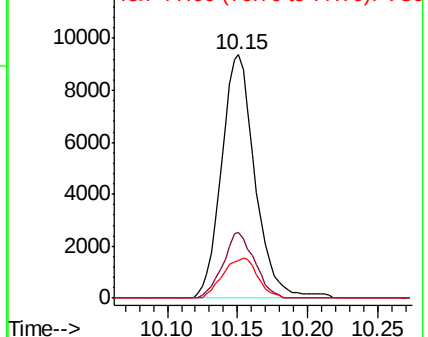


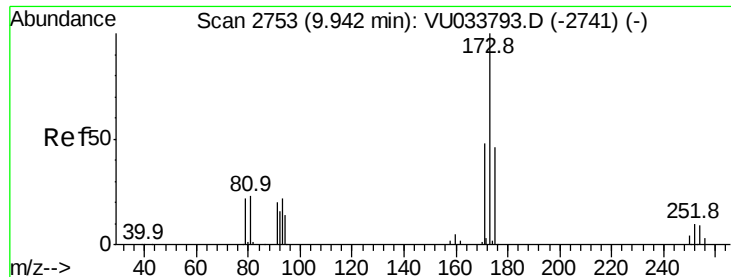
Abundance

Ion 105.00 (104.70 to 105.70): VU033799.D (-2803) (-)

Ion 120.00 (119.70 to 120.70): VU033799.D (-2803) (-)

Ion 77.00 (76.70 to 77.70): VU033799.D (-2803) (-)





#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

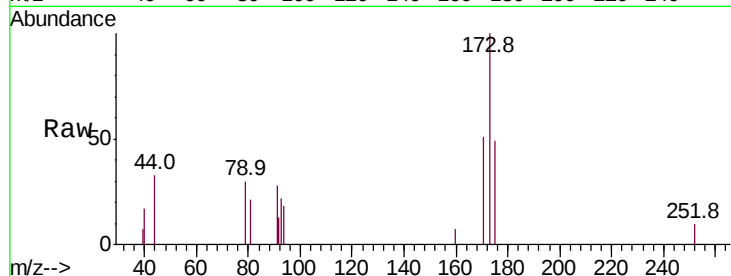
Tot Ion: 173 Resp: 2394

Ion Ratio Lower Upper

173 100

175 48.3 36.6 55.0

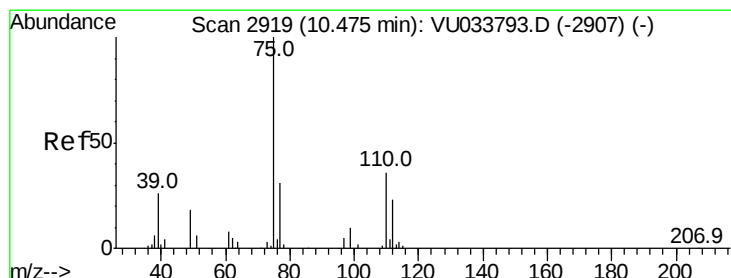
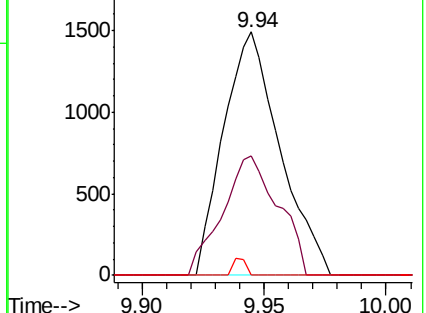
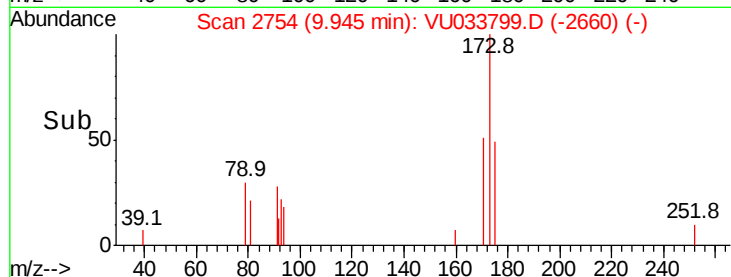
254 1.6 7.0 10.4#



Abundance Ion 173.00 (172.70 to 173.70): V

2000 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

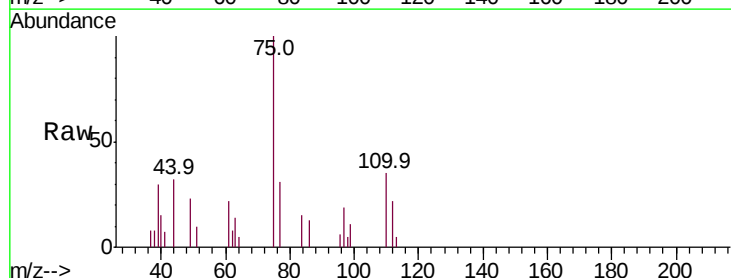
Tgt Ion: 75 Resp: 3167

Ion Ratio Lower Upper

75 100

77 34.8 25.8 38.6

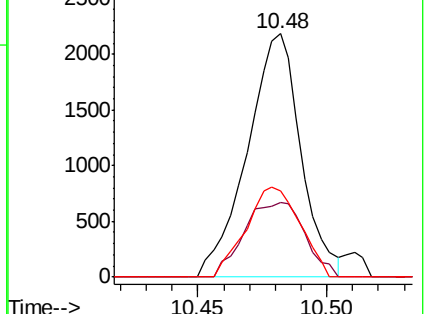
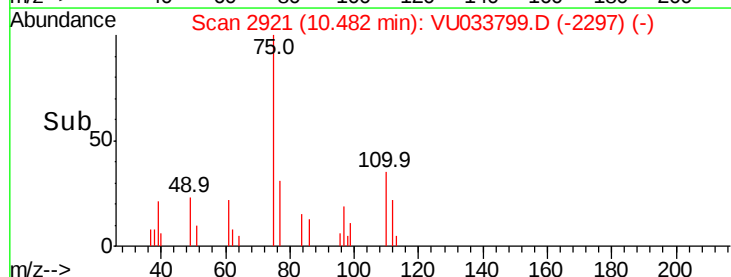
110 37.3 28.9 43.3

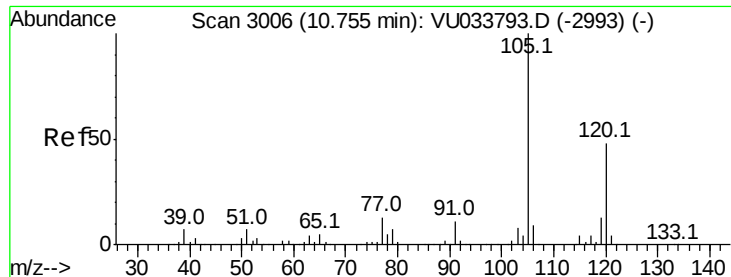


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

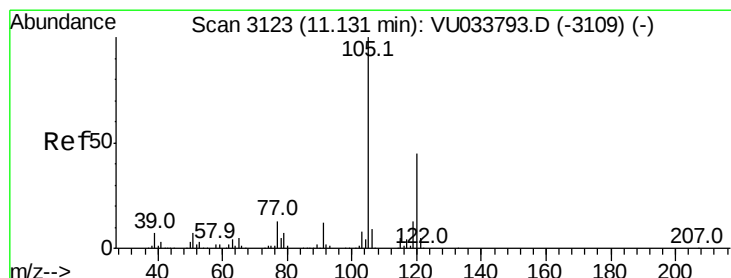
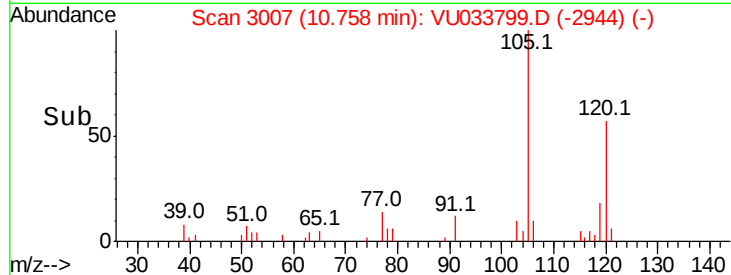
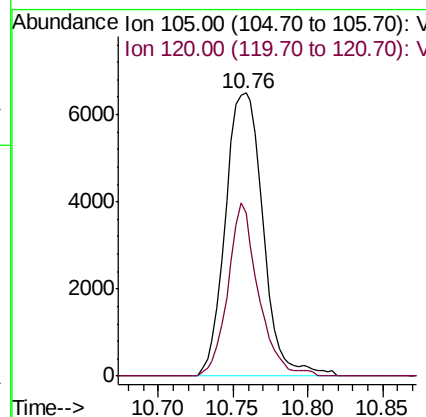
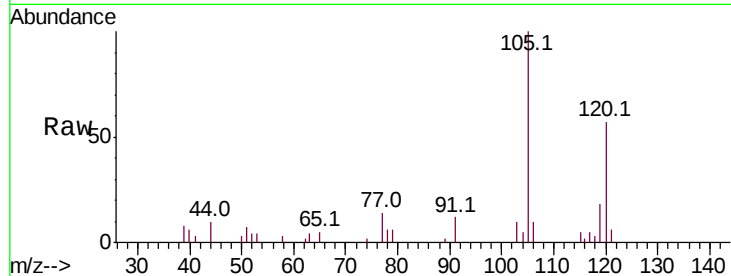
Ion 110.00 (109.70 to 110.70): V





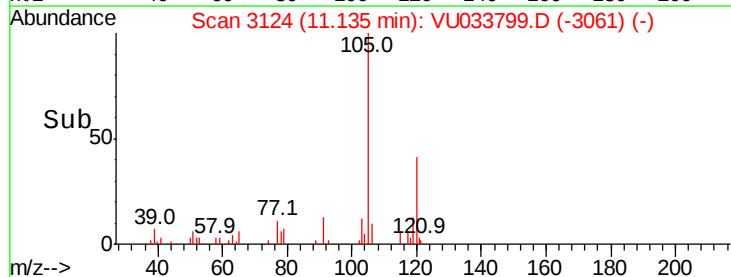
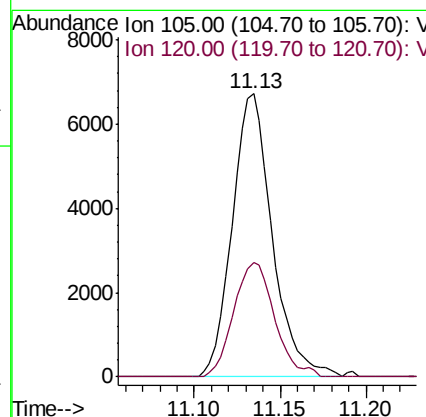
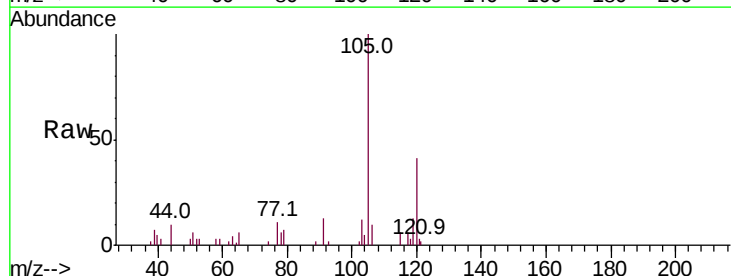
#62
 1,3,5-Trimethylbenzene
 Concen: 0.217 ug/L
 RT: 10.76 min Scan# 3007
 Delta R.T. 0.00 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

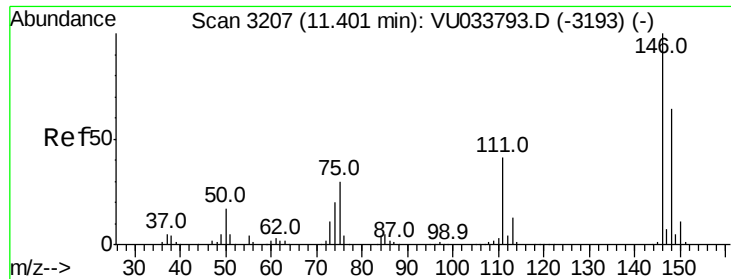
Tot Ion:105 Resp: 11396
 Ion Ratio Lower Upper
 105 100
 120 49.4 38.6 58.0



#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

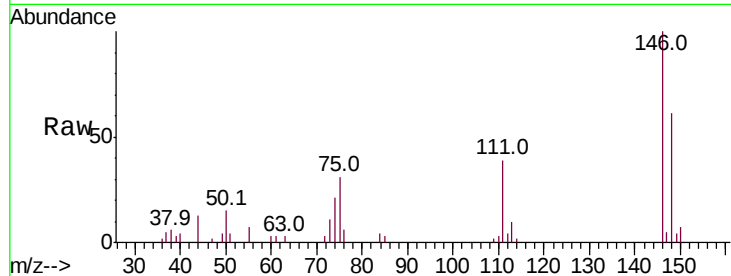
Tot Ion:146 Resp: 9284

Ion Ratio Lower Upper

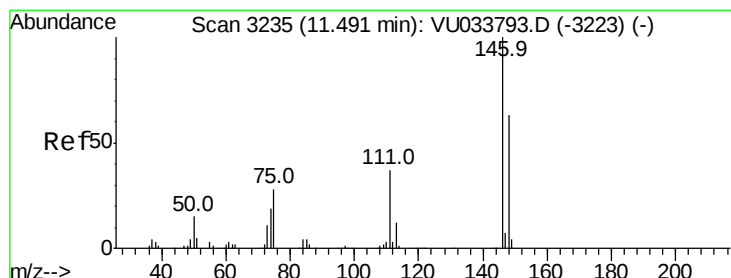
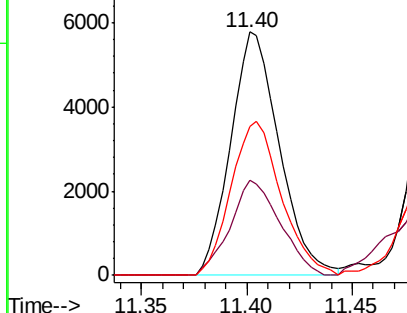
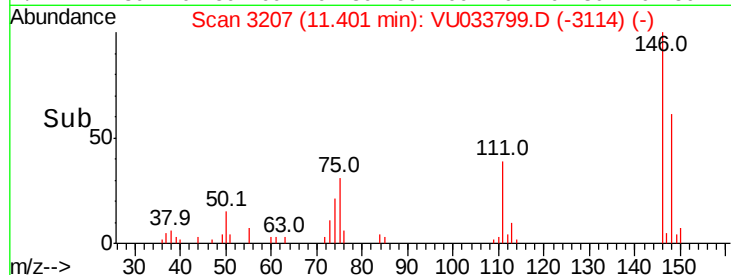
146 100

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

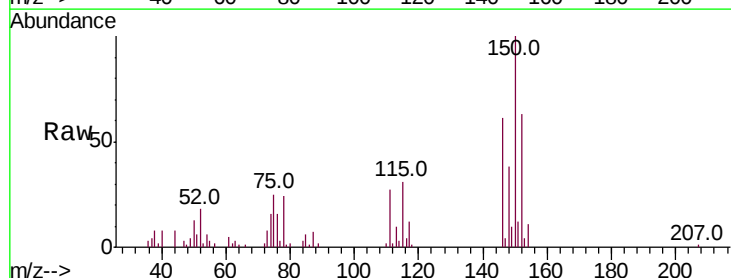
Tgt Ion:146 Resp: 9812

Ion Ratio Lower Upper

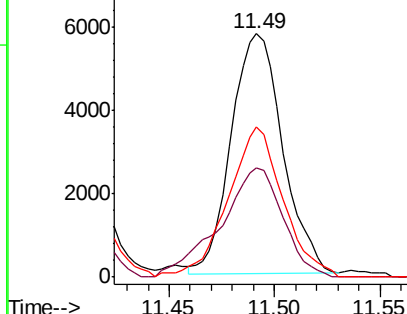
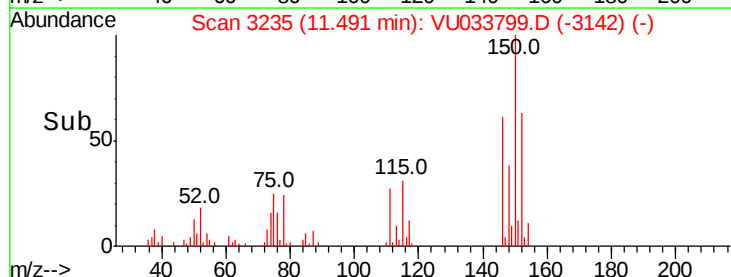
146 100

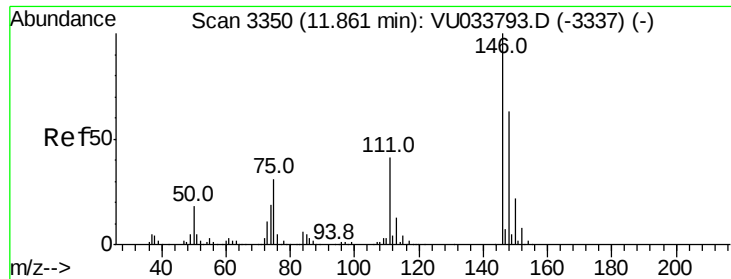
111 44.7 26.2 48.8

148 61.5 44.2 82.0



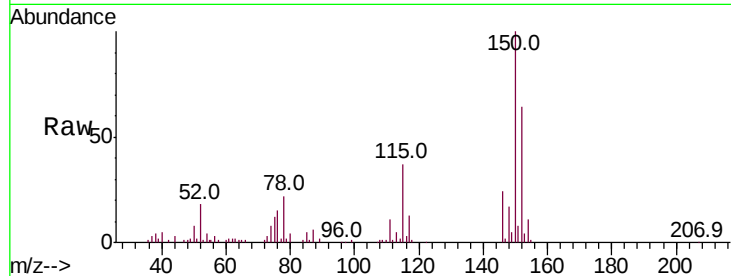
Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



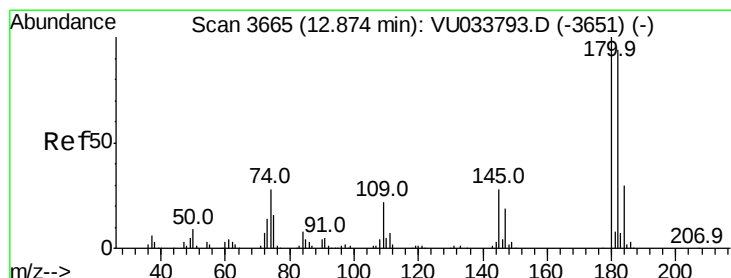
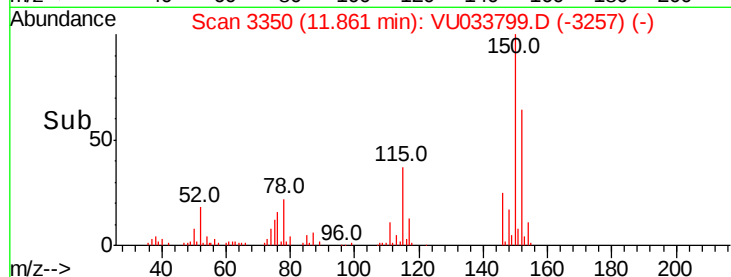
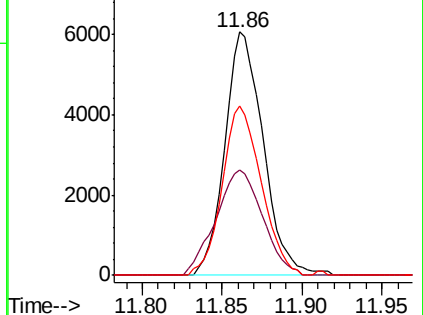


#67
 1,2-Dichlorobenzene
 Concen: 0.298 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

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

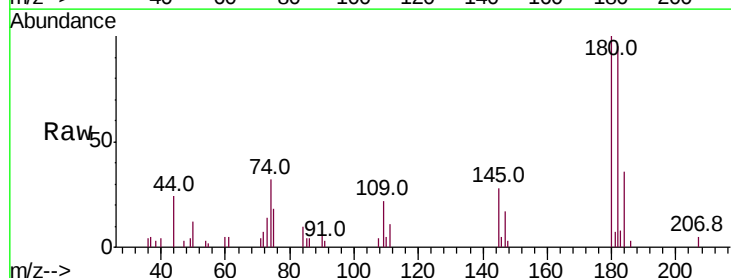


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

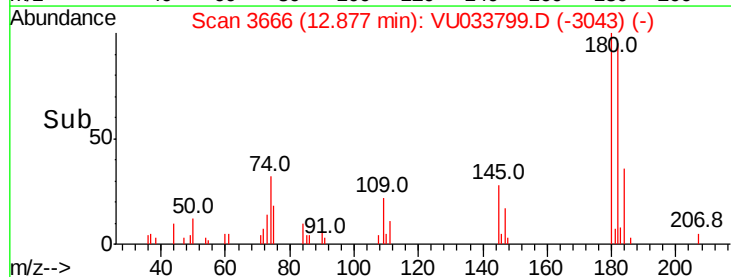
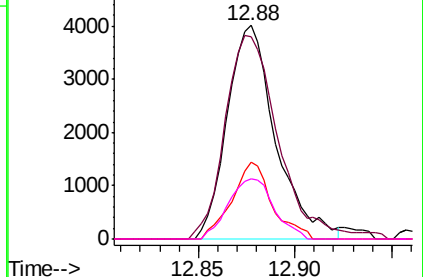


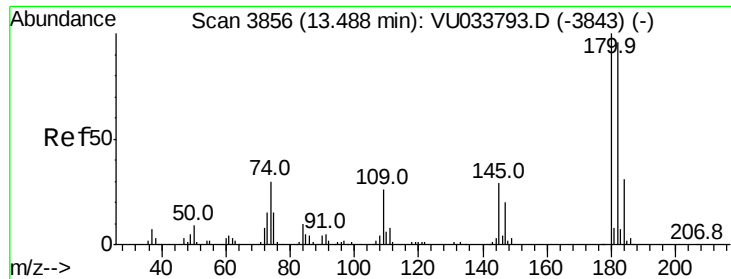
#69
 1,3,5-Trichlorobenzene
 Concen: 0.257 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.00 min
 Lab File: VU033799.D
 Acq: 14 Aug 2019 15:41

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

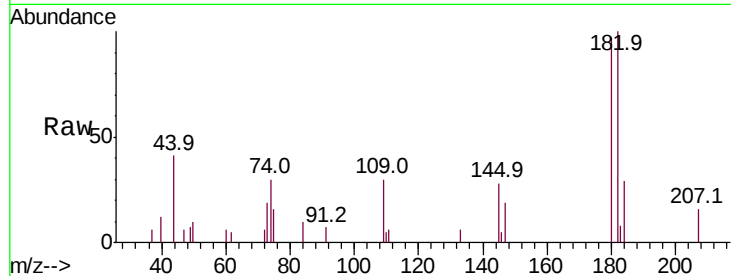




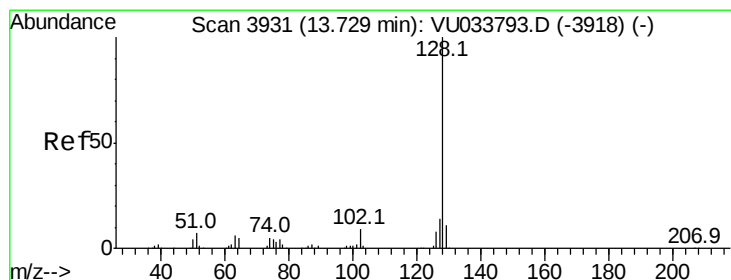
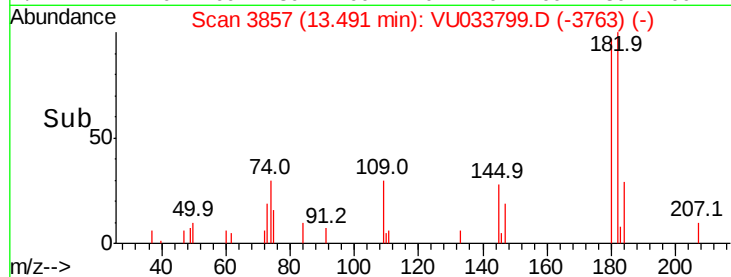
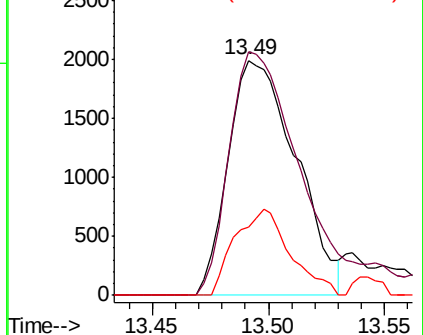
#70

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



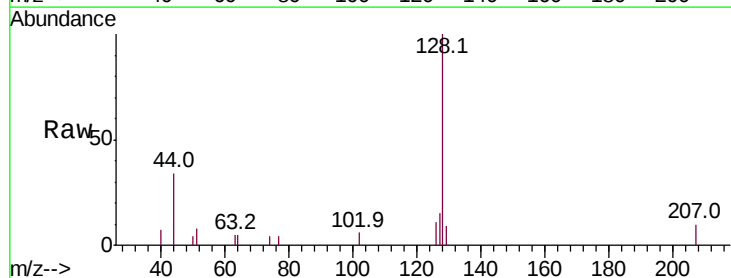
Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V



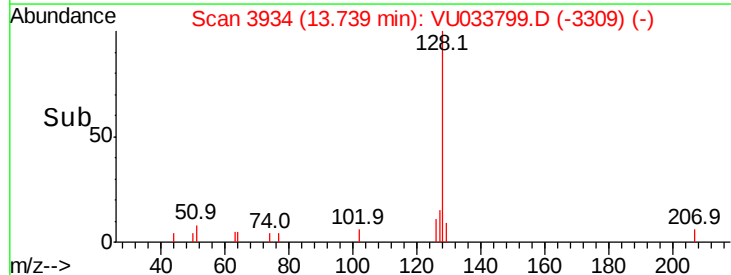
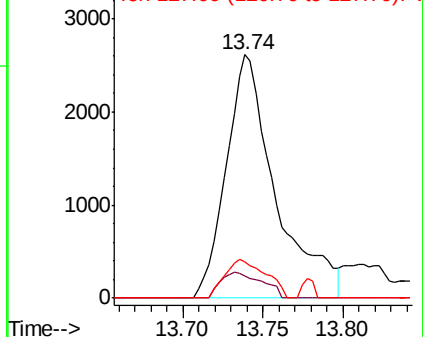
#71

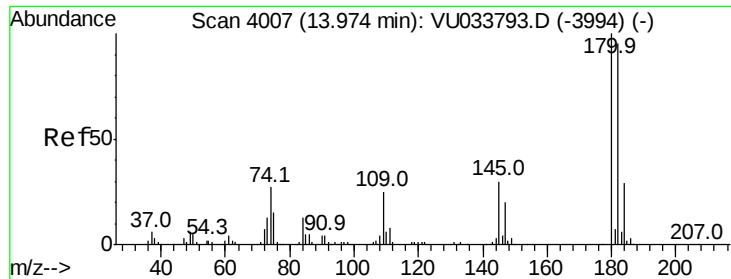
Naphthalene
Concen: 0.169 ug/L
RT: 13.74 min Scan# 3934
Delta R.T. 0.01 min
Lab File: VU033799.D
Acq: 14 Aug 2019 15:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	8.8	8.5	12.7
127	13.1	11.2	16.8



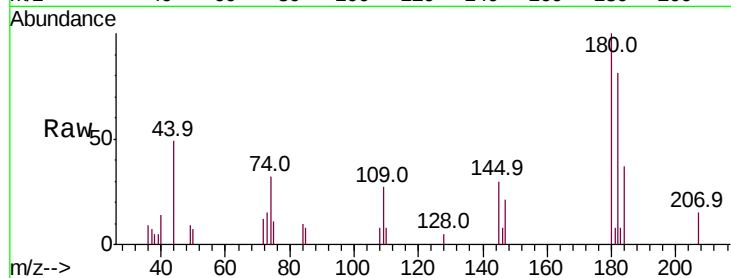
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#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	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

