

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081419\
 Data File : VU033800.D
 Acq On : 14 Aug 2019 16:30
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 15 14:50:47 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	189829	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	200632	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	110932	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	84995	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.67	69	71653	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.26	65	39727	4.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.40%
20) 2-Butanone-d5	4.19	46	191826	46.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.42%
24) Chloroform-d	4.62	84	140324	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.29	65	71998	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
32) Benzene-d6	5.32	84	256213	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	6.31	67	82330	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.20%
41) Toluene-d8	7.55	98	235444	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	7.83	79	33567	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.30	63	146945	47.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.34%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	74208	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
66) 1,2-Dichlorobenzene-d4	11.84	152	94409	4.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	133344	4.846	ug/L 99
3) Chloromethane	1.32	50	134057	4.694	ug/L 99
5) Vinyl chloride	1.39	62	148467	4.768	ug/L 98
6) Bromomethane	1.62	94	86652	4.782	ug/L 97
8) Chloroethane	1.69	64	89493	4.866	ug/L 98
9) Trichlorofluoromethane	1.87	101	205568	4.819	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	109906	4.855	ug/L 99
12) 1,1-Dichloroethene	2.27	96	103758	4.743	ug/L 95
13) Acetone	2.34	43	219494	49.613	ug/L # 50
14) Carbon disulfide	2.46	76	352786	4.749	ug/L 100
15) Methyl Acetate	2.61	43	53821	4.680	ug/L 99
16) Methylene chloride	2.68	84	118436	4.638	ug/L 99
17) Methyl tert-butyl Ether	2.98	73	275937	4.872	ug/L 98
18) trans-1,2-Dichloroethene	2.96	96	112344	4.783	ug/L 99
19) 1,1-Dichloroethane	3.42	63	177061	4.822	ug/L 98
21) 2-Butanone	4.27	43	266729	48.696	ug/L 99
22) cis-1,2-Dichloroethene	4.20	96	94384	4.710	ug/L 99

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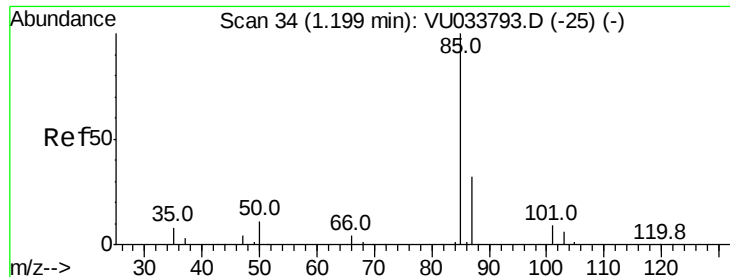
Quant Title : TRACE VOA SOM01.0

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	4.52	128	46098	4.798	ug/L	96
25) Chloroform	4.65	83	182464	4.617	ug/L	96
27) 1,2-Dichloroethane	5.39	62	114878	4.717	ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	152726	4.678	ug/L	99
30) Cyclohexane	4.97	56	136626	4.623	ug/L	99
31) Carbon tetrachloride	5.11	117	136836	4.710	ug/L	99
33) Benzene	5.37	78	381582	4.755	ug/L	100
34) Trichloroethene	6.16	95	99425	4.724	ug/L	98
35) Methylcyclohexane	6.39	83	149626	4.742	ug/L	97
37) 1,2-Dichloropropane	6.41	63	103495	4.773	ug/L	99
38) Bromodichloromethane	6.74	83	125920	4.605	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	134540	4.598	ug/L	96
40) 4-Methyl-2-pentanone	7.45	43	616152	49.171	ug/L	99
42) Toluene	7.62	91	418453	4.962	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	118136	4.829	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	73553	4.747	ug/L	98
47) Tetrachloroethene	8.21	164	82074	4.678	ug/L	97
48) 2-Hexanone	8.35	43	459174	50.668	ug/L	99
49) Dibromochloromethane	8.46	129	89597	4.769	ug/L	99
50) 1,2-Dibromoethane	8.57	107	71300	4.760	ug/L	100
51) Chlorobenzene	9.10	112	259811	4.786	ug/L	99
52) Ethylbenzene	9.23	91	417534	4.784	ug/L	98
53) m,p-Xylene	9.36	106	161695	4.913	ug/L	97
54) o-Xylene	9.76	106	156983	5.024	ug/L	99
55) Styrene	9.77	104	281418	5.190	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.44	83	94807	4.658	ug/L	97
59) Isopropylbenzene	10.15	105	411145	4.861	ug/L	99
60) Bromoform	9.94	173	52172	4.604	ug/L	95
61) 1,2,3-Trichloropropane	10.48	75	67353	4.572	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	331856	4.836	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	339399	4.956	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	212258	4.693	ug/L	98
65) 1,4-Dichlorobenzene	11.49	146	215407	4.626	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	204735	4.689	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.64	75	14837	4.614	ug/L	96
69) 1,3,5-Trichlorobenzene	12.87	180	164059	4.612	ug/L	98
70) 1,2,4-trichlorobenzene	13.49	180	130595	4.717	ug/L	100
71) Naphthalene	13.73	128	203077	4.764	ug/L	99
72) 1,2,3-Trichlorobenzene	13.97	180	126636	4.854	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.846 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033800.D

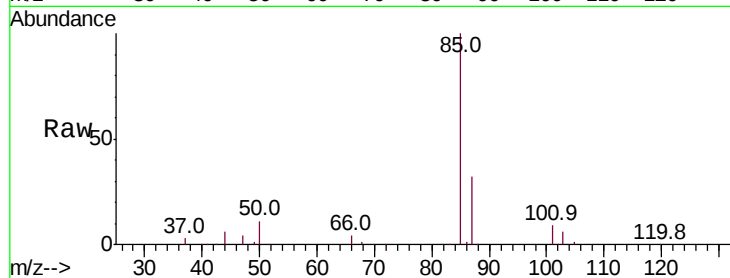
Acq: 14 Aug 2019 16:30

Tot Ion: 85 Resp: 133344

Ion Ratio Lower Upper

85 100

87 32.3 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033800.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033800.D (-1) (-)

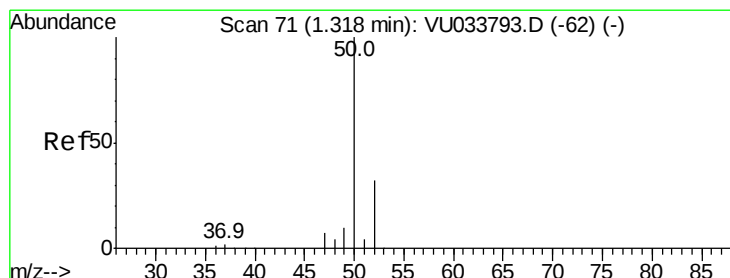
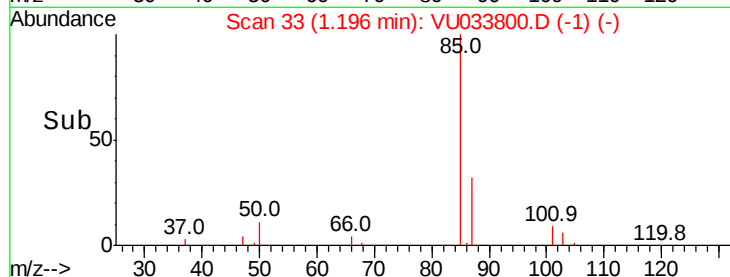
1.20

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.694 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033800.D

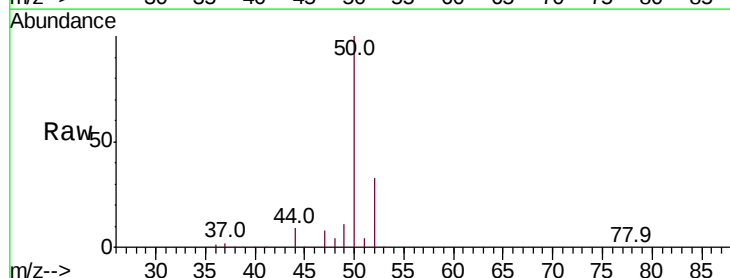
Acq: 14 Aug 2019 16:30

Tgt Ion: 50 Resp: 134057

Ion Ratio Lower Upper

50 100

52 33.2 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU033800.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033800.D (-1) (-)

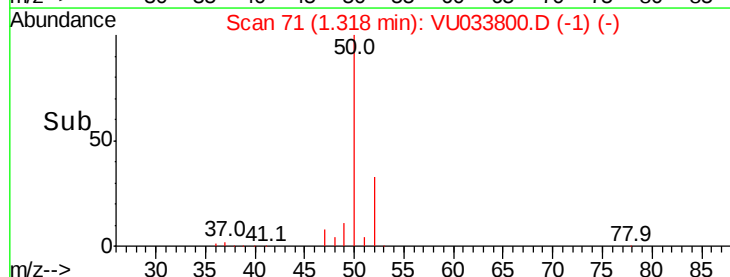
1.32

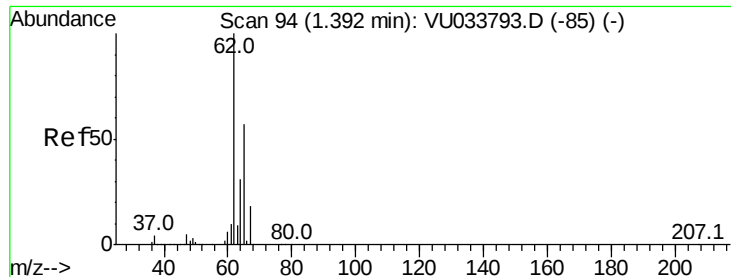
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.768 ug/L

RT: 1.39 min Scan# 94

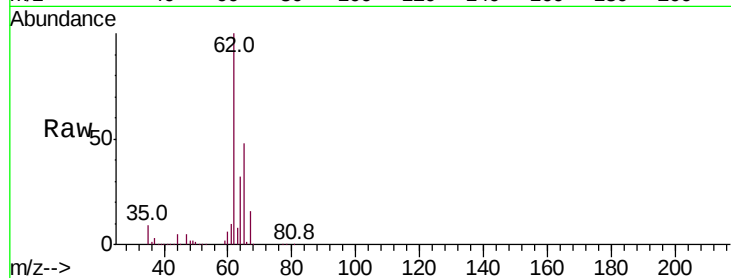
Delta R.T. 0.00 min

Lab File: VU033800.D

Acq: 14 Aug 2019 16:30

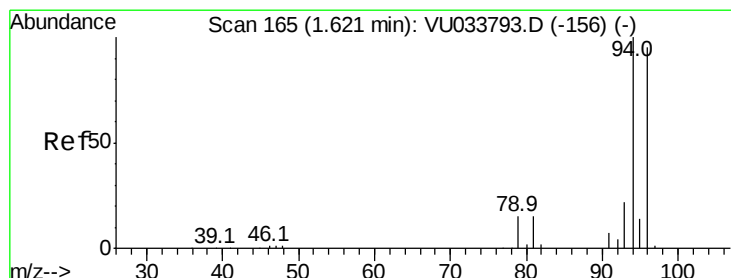
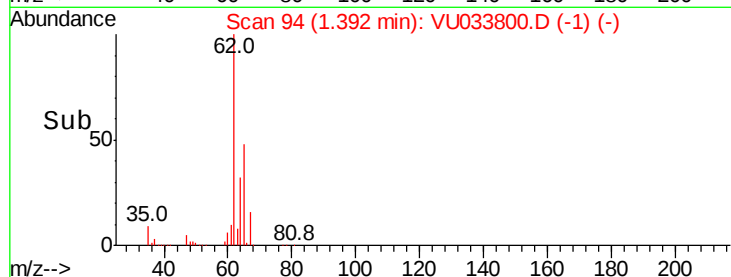
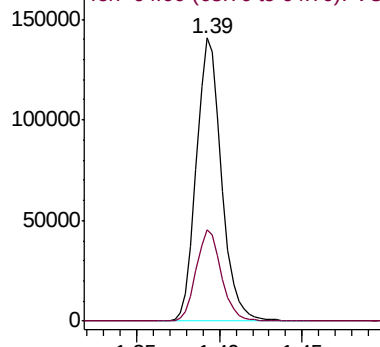
Tot Ion: 62 Resp: 148467

Ion	Ratio	Lower	Upper
62	100		
64	32.3	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: 4.782 ug/L

RT: 1.62 min Scan# 165

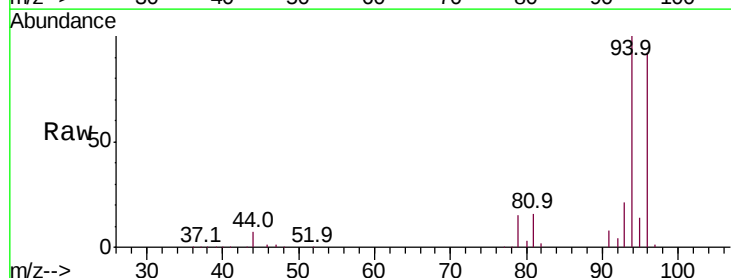
Delta R.T. 0.00 min

Lab File: VU033800.D

Acq: 14 Aug 2019 16:30

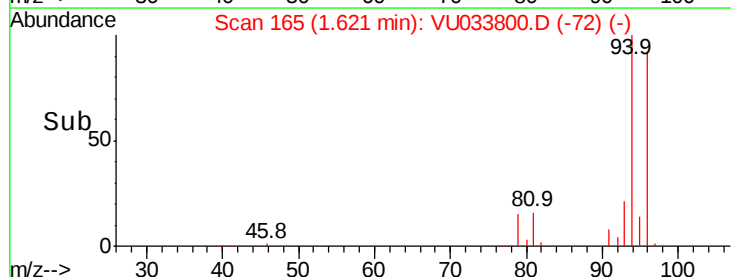
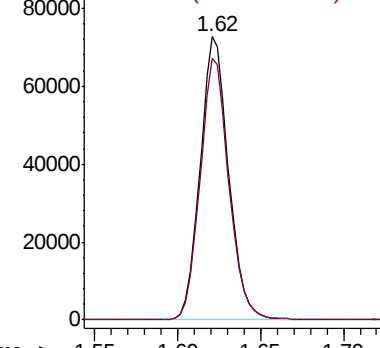
Tgt Ion: 94 Resp: 86652

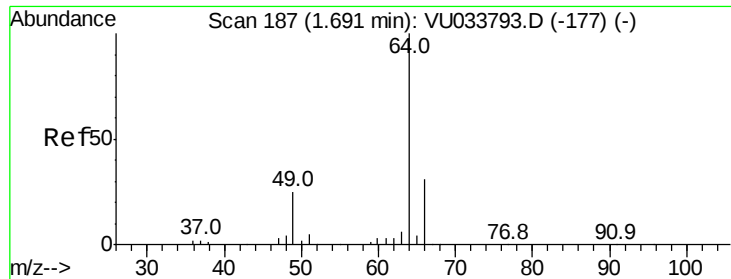
Ion	Ratio	Lower	Upper
94	100		
96	92.4	66.4	123.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

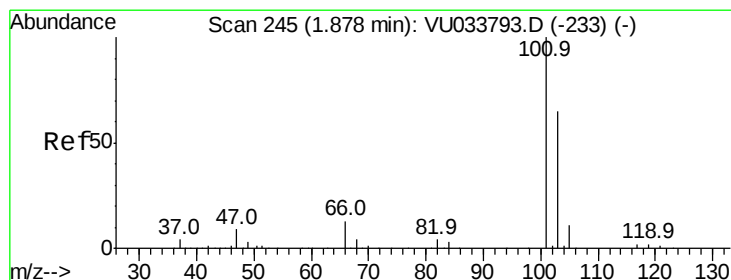
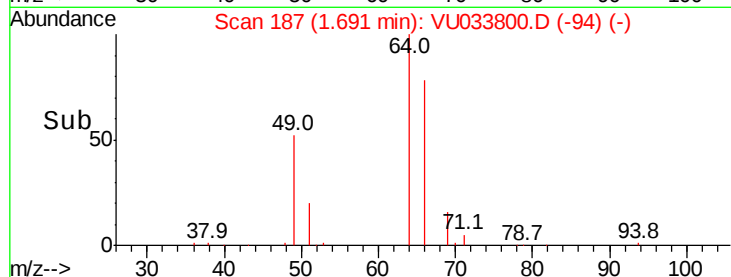
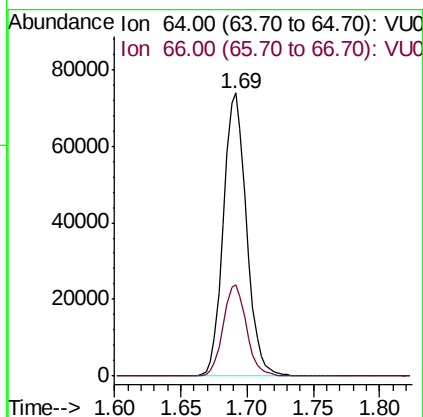
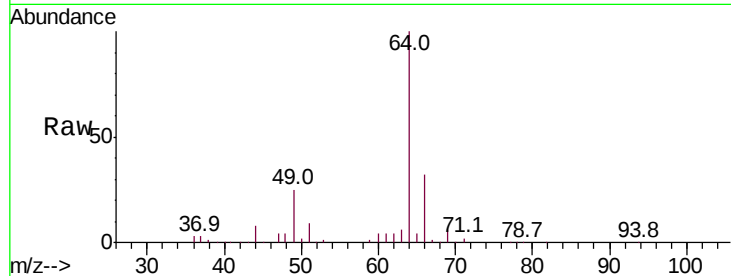
Ion 96.00 (95.70 to 96.70): VU0





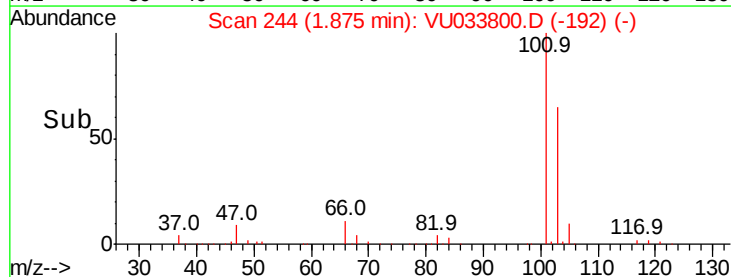
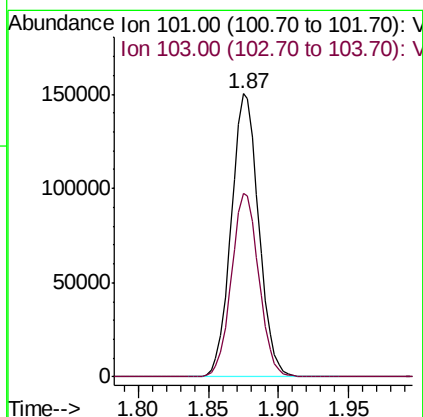
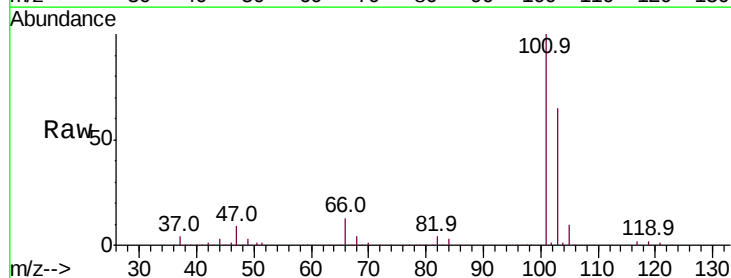
#8
Chloroethane
Concen: 4.866 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

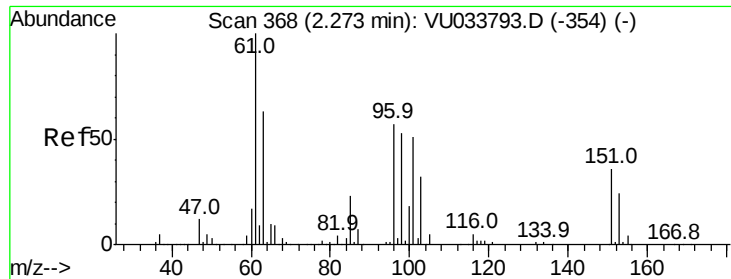
Tot Ion: 64 Resp: 89493
Ion Ratio Lower Upper
64 100
66 32.3 21.9 40.7



#9
Trichlorofluoromethane
Concen: 4.819 ug/L
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

Tgt Ion:101 Resp: 205568
Ion Ratio Lower Upper
101 100
103 64.6 52.3 78.5





#10

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

Concen: 4.855 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033800.D

Acq: 14 Aug 2019 16:30

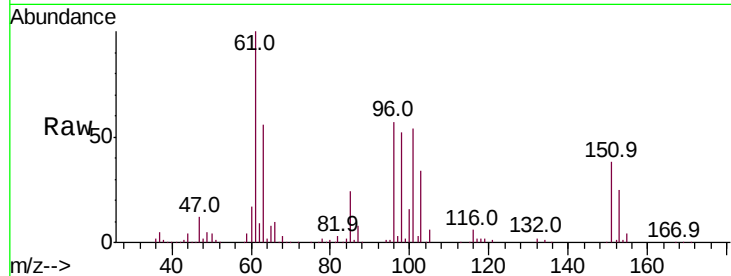
Tot Ion:101 Resp: 109906

Ion Ratio Lower Upper

101 100

85 45.0 36.2 54.2

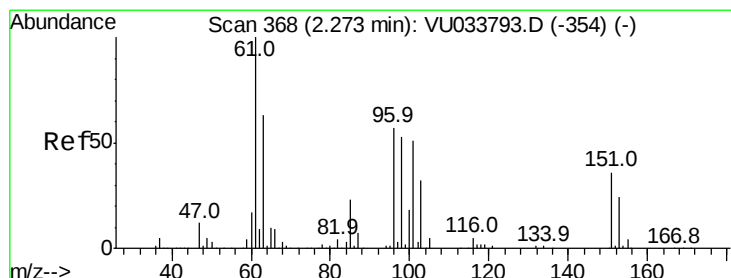
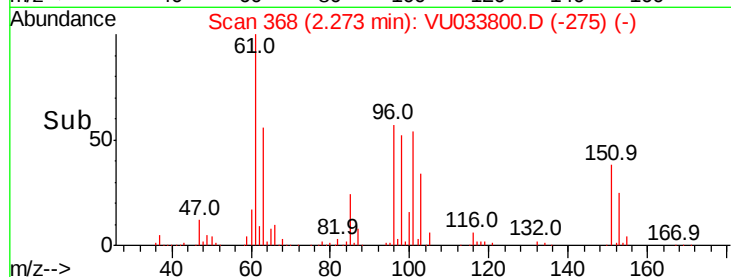
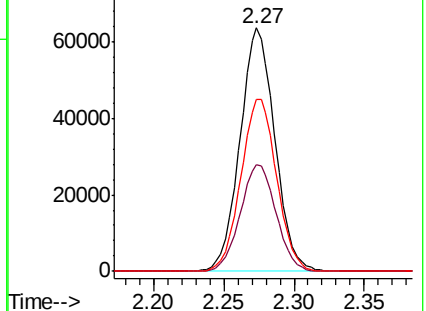
151 72.6 58.7 88.1



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: 4.743 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033800.D

Acq: 14 Aug 2019 16:30

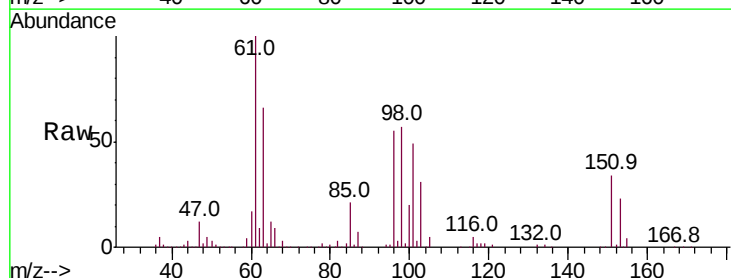
Tgt Ion: 96 Resp: 103758

Ion Ratio Lower Upper

96 100

61 181.0 123.8 230.0

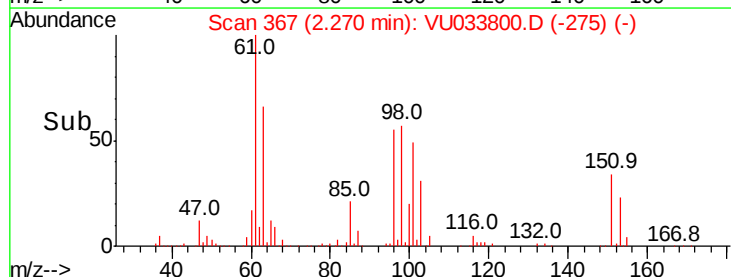
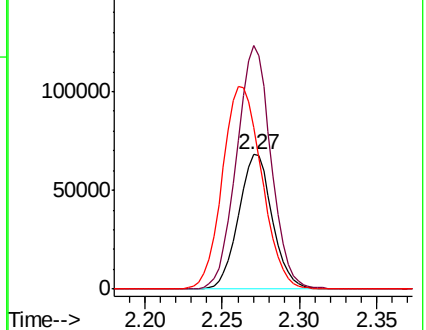
63 120.0 78.0 144.9

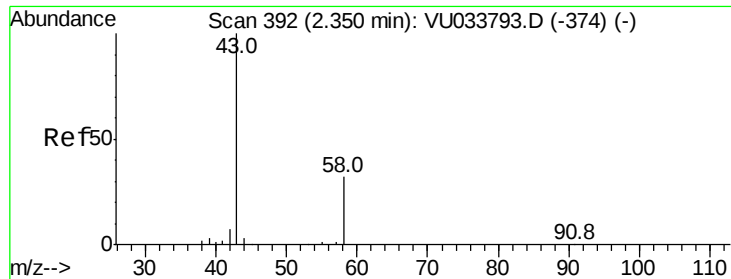


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.613 ug/L

RT: 2.34 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU033800.D

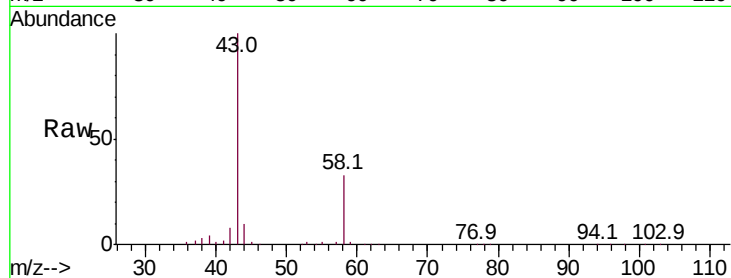
Acq: 14 Aug 2019 16:30

Tot Ion: 43 Resp: 219494

Ion Ratio Lower Upper

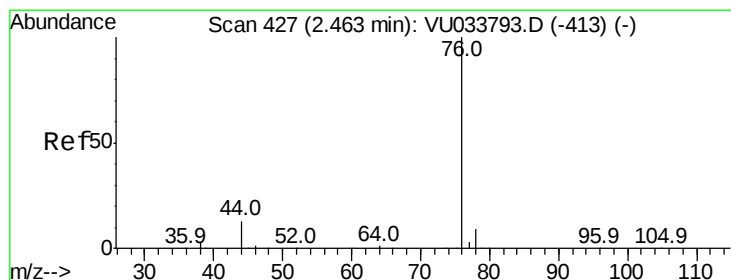
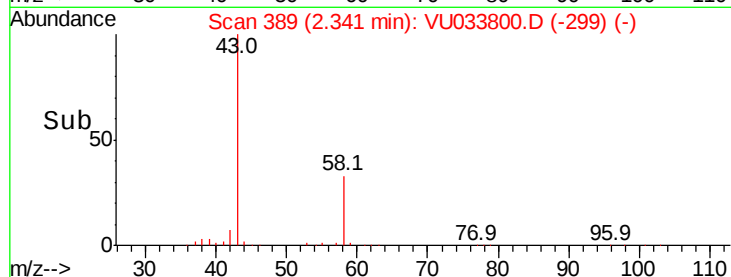
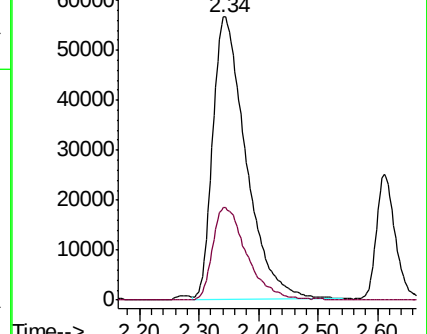
43 100

58 33.6 0.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU033793.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU033793.D (-374) (-)



#14

Carbon disulfide

Concen: 4.749 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033800.D

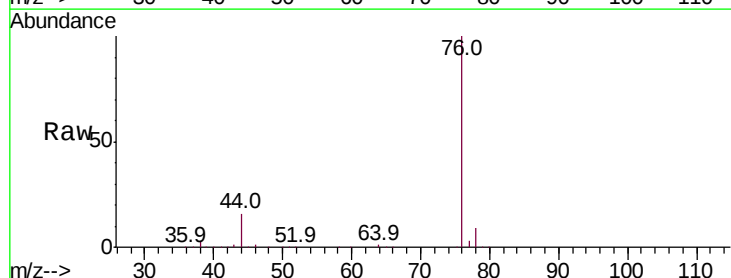
Acq: 14 Aug 2019 16:30

Tgt Ion: 76 Resp: 352786

Ion Ratio Lower Upper

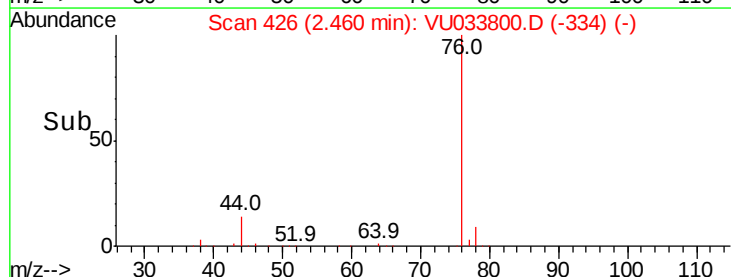
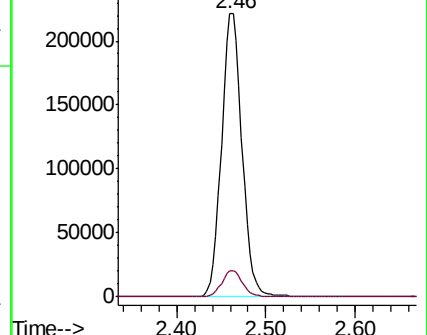
76 100

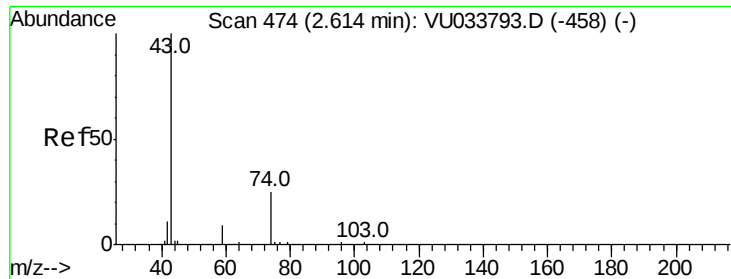
78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU033793.D (-413) (-)

Ion 78.00 (77.70 to 78.70): VU033793.D (-413) (-)





#15

Methvl Acetate

Concen: 4.680 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU033800.D

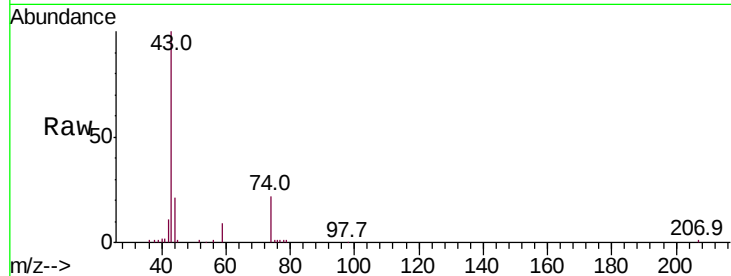
Acq: 14 Aug 2019 16:30

Tot Ion: 43 Resp: 53821

Ion Ratio Lower Upper

43 100

74 22.8 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VU033793.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU033793.D (-458) (-)

2.61

25000

20000

15000

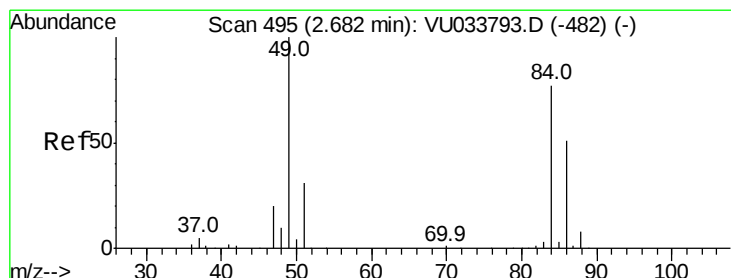
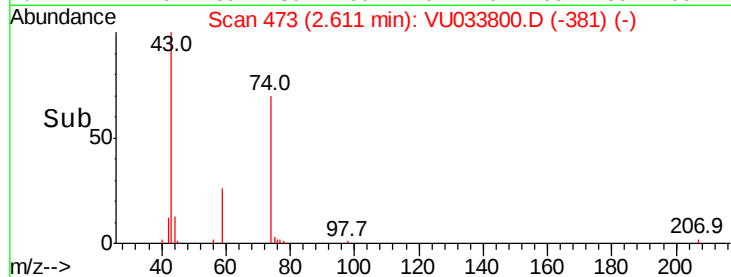
10000

5000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 4.638 ug/L

RT: 2.68 min Scan# 495

Delta R.T. 0.00 min

Lab File: VU033800.D

Acq: 14 Aug 2019 16:30

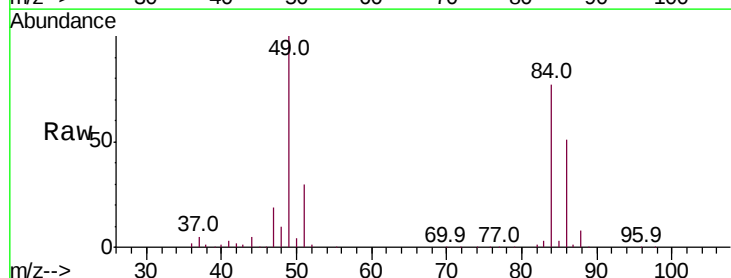
Tgt Ion: 84 Resp: 118436

Ion Ratio Lower Upper

84 100

86 66.4 46.0 85.4

49 130.3 90.4 168.0



Abundance Ion 84.00 (83.70 to 84.70): VU033793.D (-482) (-)

Ion 86.00 (85.70 to 86.70): VU033793.D (-482) (-)

Ion 49.00 (48.70 to 49.70): VU033793.D (-482) (-)

120000

100000

80000

60000

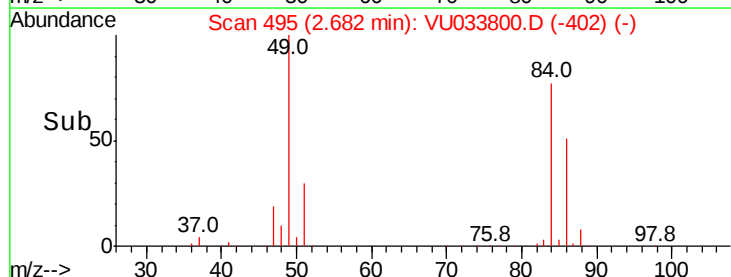
40000

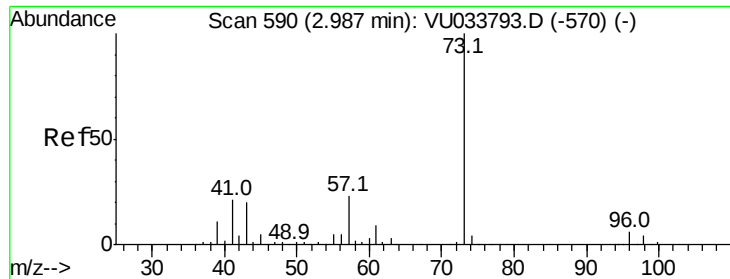
20000

0

Time-->

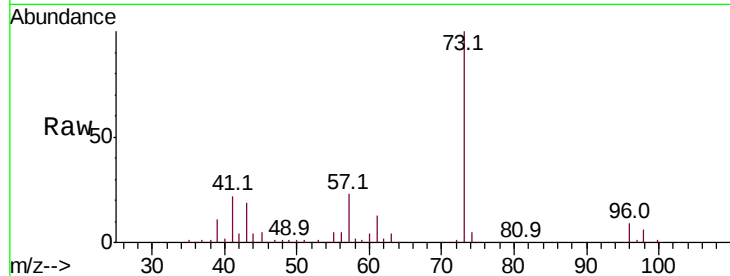
2.60 2.65 2.70 2.75



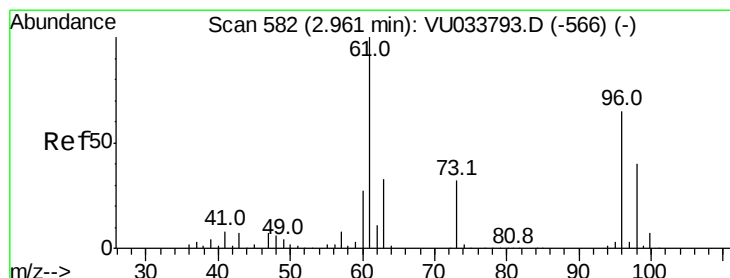
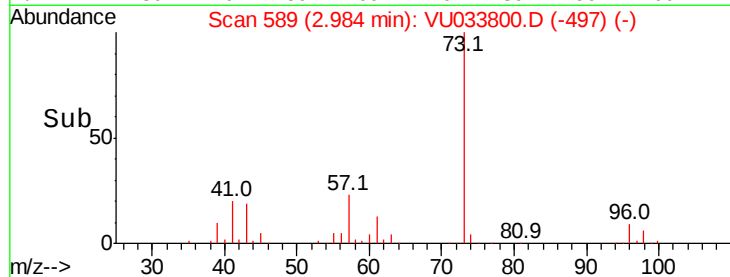
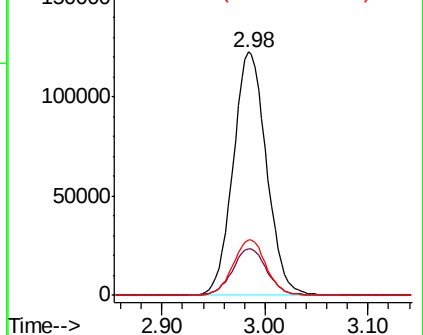


#17
Methvl tert-butvl Ether
Concen: 4.872 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.6	16.2	24.4
57	22.7	18.9	28.3

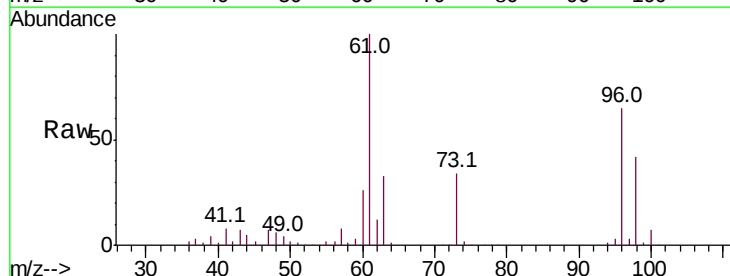


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

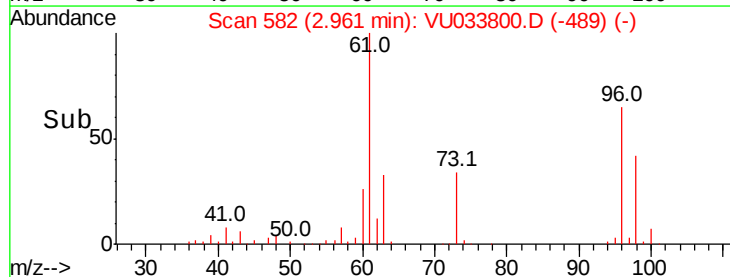
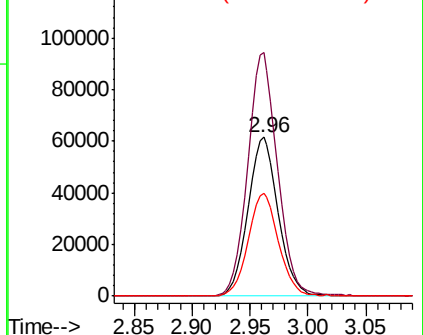


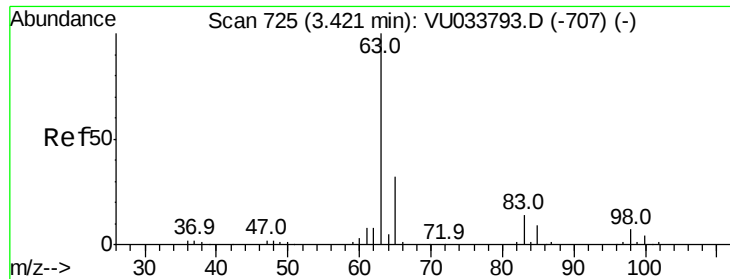
#18
trans-1,2-Dichloroethene
Concen: 4.783 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.2	107.2	199.0
98	64.8	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: 4.822 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033800.D

Acq: 14 Aug 2019 16:30

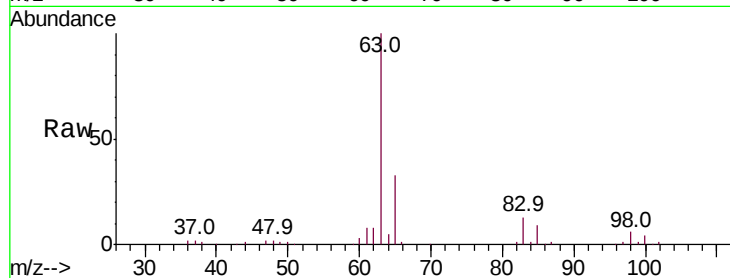
Tot Ion: 63 Resp: 177061

Ion Ratio Lower Upper

63 100

65 32.8 22.4 41.6

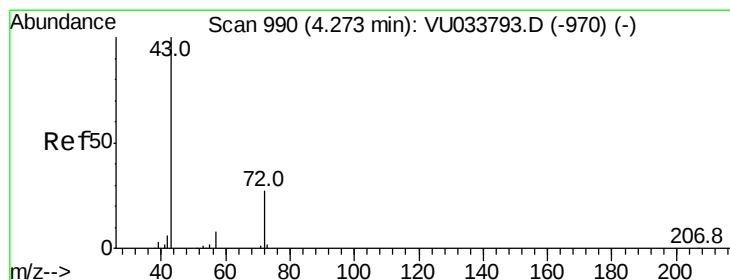
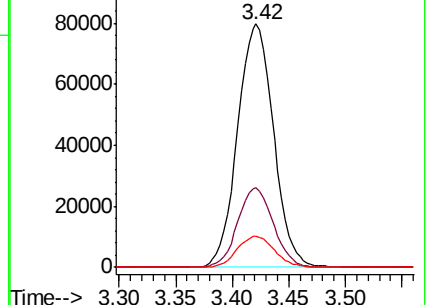
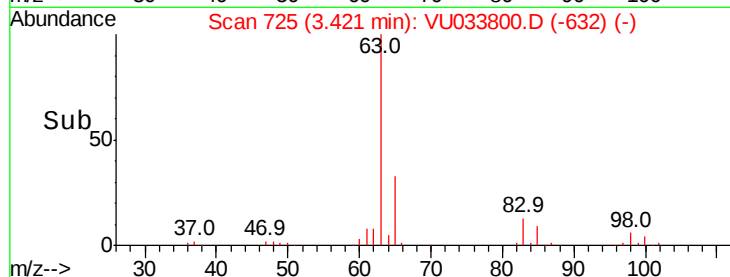
83 12.6 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VU033800.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033800.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033800.D (-632) (-)



#21

2-Butanone

Concen: 48.696 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VU033800.D

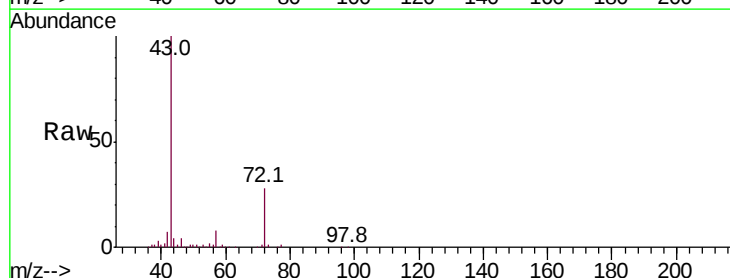
Acq: 14 Aug 2019 16:30

Tgt Ion: 43 Resp: 266729

Ion Ratio Lower Upper

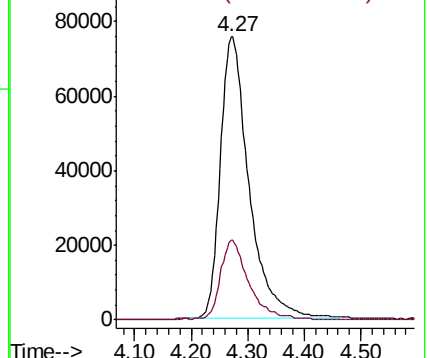
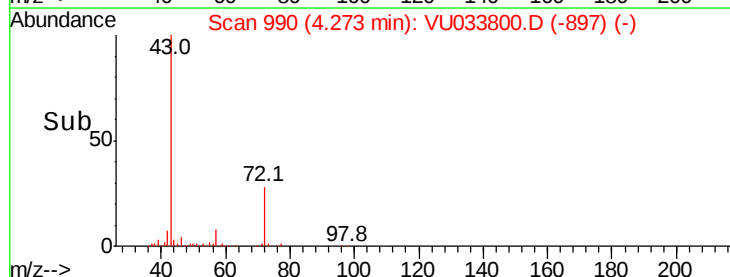
43 100

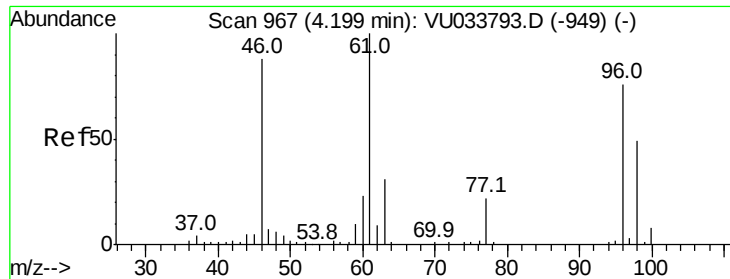
72 26.6 13.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VU033800.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VU033800.D (-897) (-)

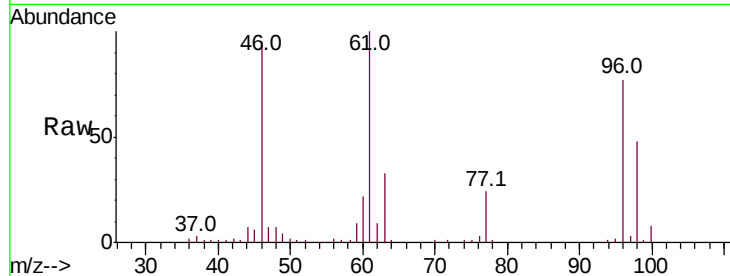




#22

cis-1,2-Dichloroethene
Concen: 4.710 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.5	91.7	170.3
98	63.0	45.1	83.9

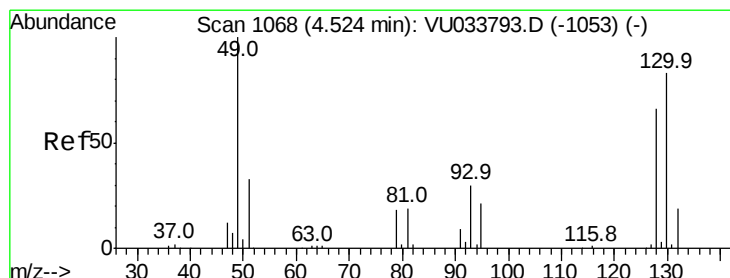
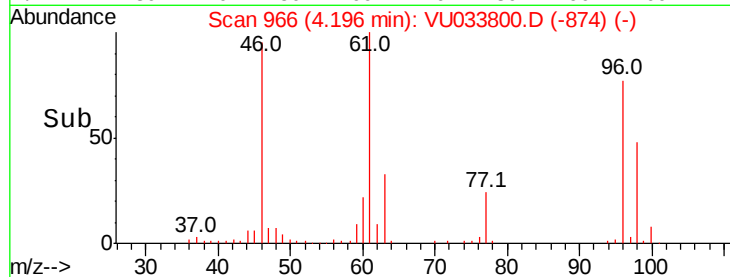
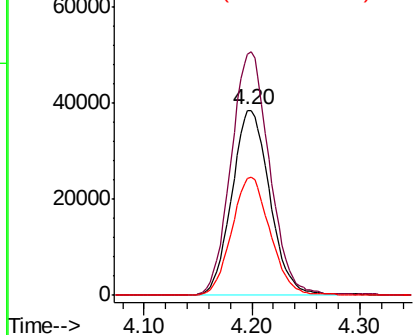


Abundance

Ion 96.00 (95.70 to 96.70): VU033800.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU033800.D (-949) (-)

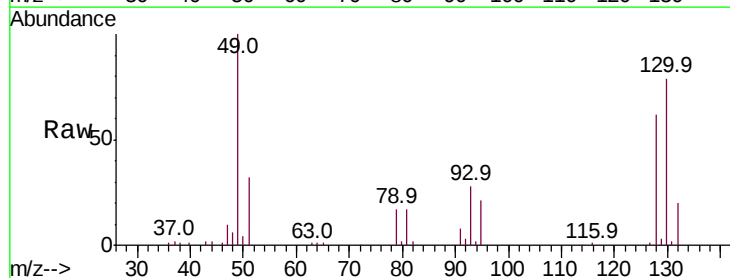
Ion 98.00 (97.70 to 98.70): VU033800.D (-949) (-)



#23

Bromochloromethane
Concen: 4.798 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

Tgt Ion	Ratio	Lower	Upper
128	100		
49	160.9	106.8	198.4
130	127.7	88.3	164.1
51	50.8	40.3	60.5



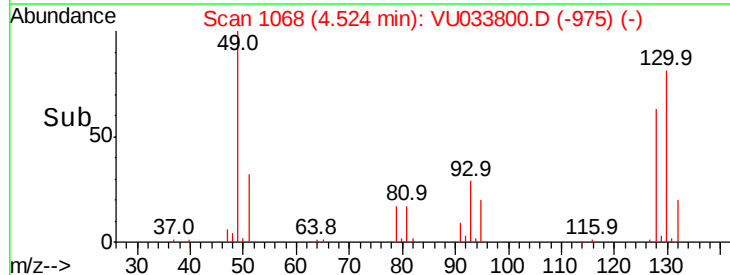
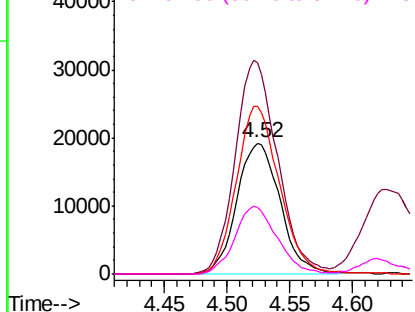
Abundance

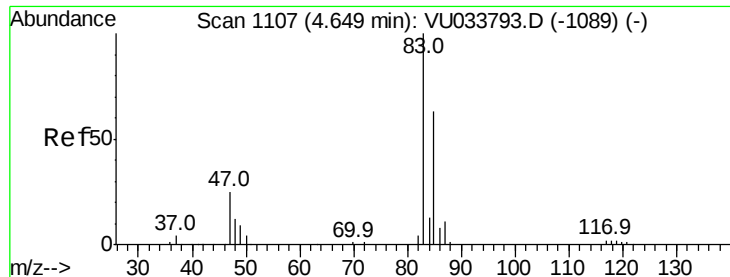
Ion 128.00 (127.70 to 128.70): VU033800.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU033800.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU033800.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU033800.D (-1053) (-)





#25

Chloroform

Concen: 4.617 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU033800.D

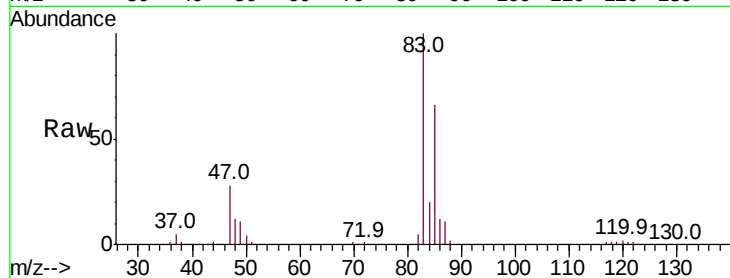
Acq: 14 Aug 2019 16:30

Tot Ion: 83 Resp: 182464

Ion Ratio Lower Upper

83 100

85 65.9 44.2 82.0



Abundance Ion 83.00 (82.70 to 83.70): VU033793.D (-1089) (-)

Ion 85.00 (84.70 to 85.70): VU033793.D (-1089) (-)

4.65

80000

60000

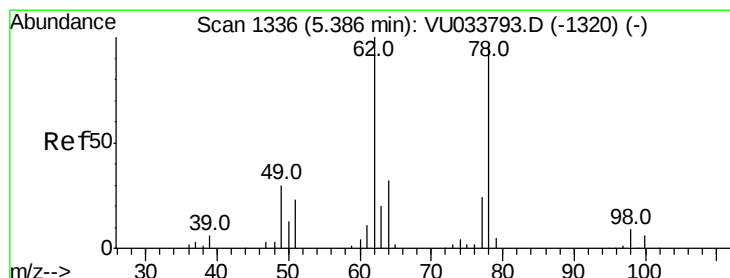
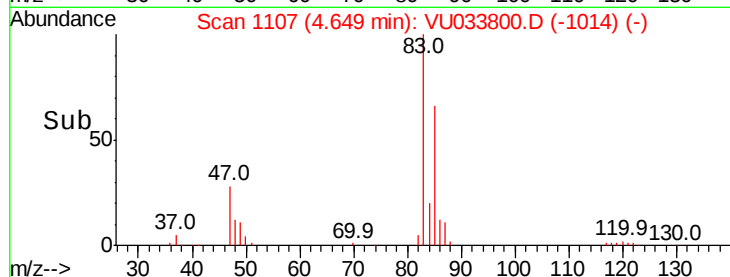
40000

20000

0

4.60 4.70

Time-->



#27

1,2-Dichloroethane

Concen: 4.717 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU033800.D

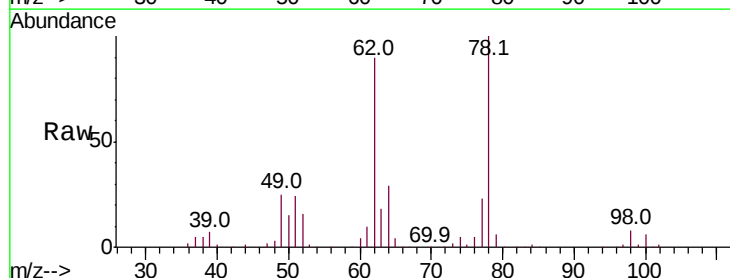
Acq: 14 Aug 2019 16:30

Tgt Ion: 62 Resp: 114878

Ion Ratio Lower Upper

62 100

98 8.9 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VU033793.D (-1320) (-)

Ion 98.00 (97.70 to 98.70): VU033793.D (-1320) (-)

5.39

60000

50000

40000

30000

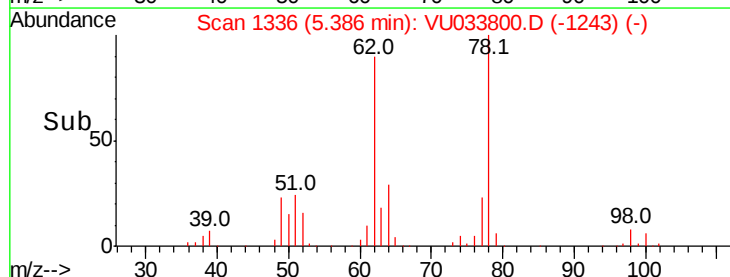
20000

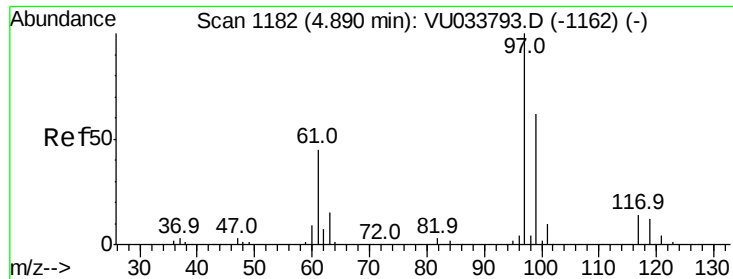
10000

0

5.30 5.35 5.40 5.45

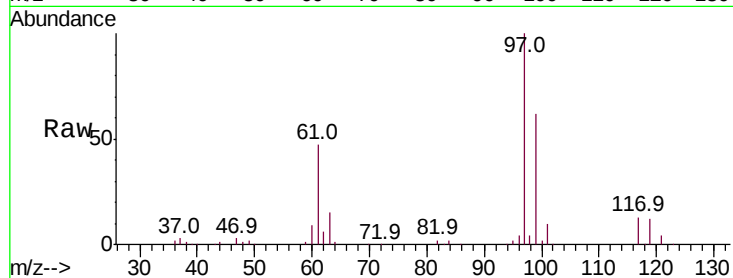
Time-->



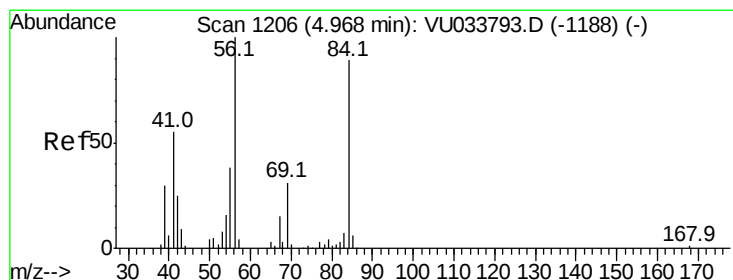
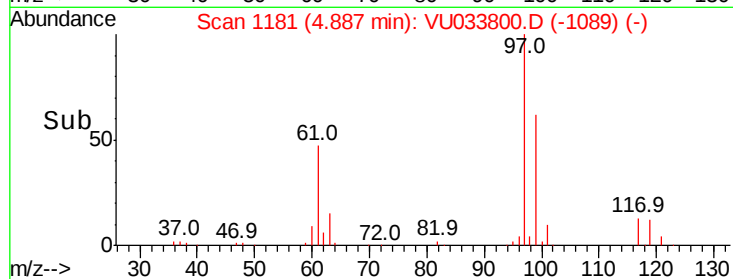
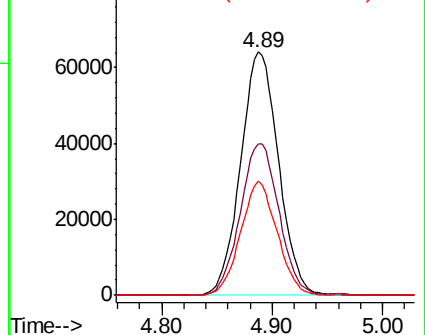


#29
 1,1,1-Trichloroethane
 Concen: 4.678 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU033800.D
 Acq: 14 Aug 2019 16:30

Tot Ion: 97 Resp: 152726
 Ion Ratio Lower Upper
 97 100
 99 63.4 50.8 76.2
 61 45.1 37.4 56.0

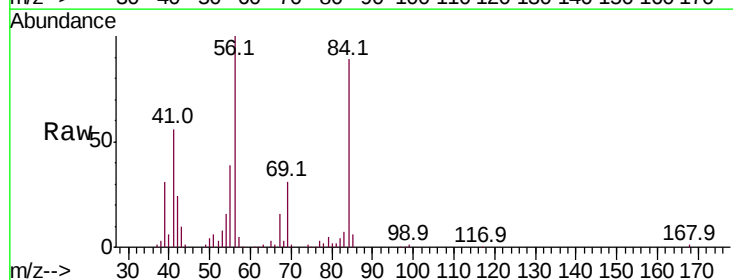


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0

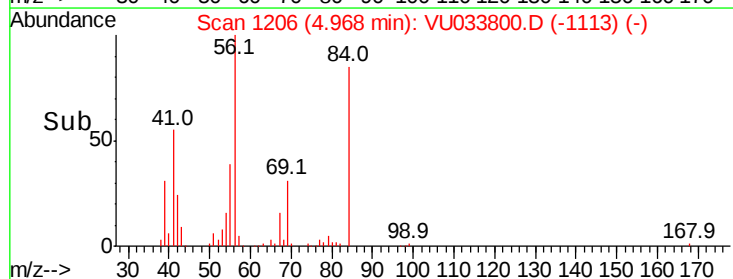
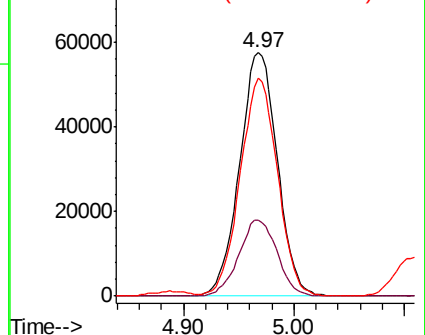


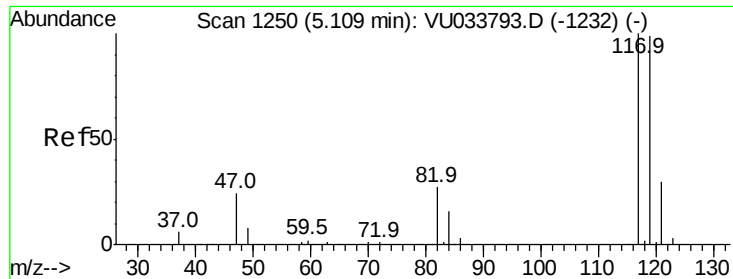
#30
 Cyclohexane
 Concen: 4.623 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VU033800.D
 Acq: 14 Aug 2019 16:30

Tgt Ion: 56 Resp: 136626
 Ion Ratio Lower Upper
 56 100
 69 31.5 25.2 37.8
 84 88.4 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: 4.710 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU033800.D

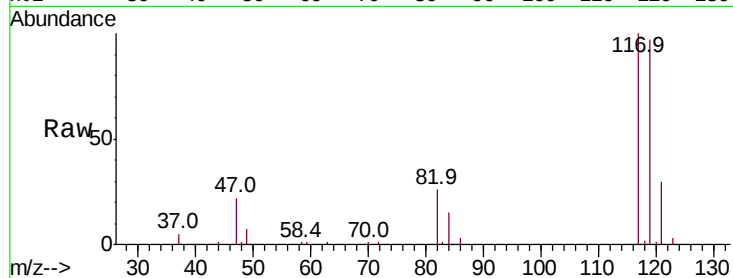
Acq: 14 Aug 2019 16:30

Tot Ion:117 Resp: 136836

Ion Ratio Lower Upper

117 100

119 97.3 78.5 117.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

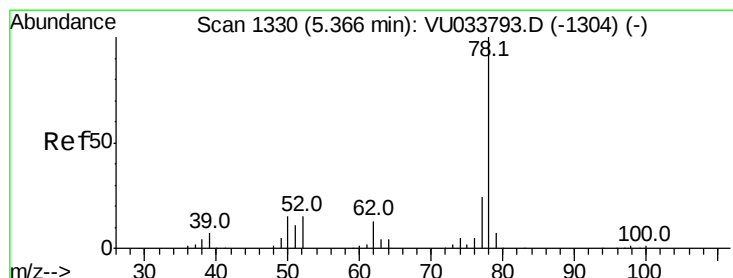
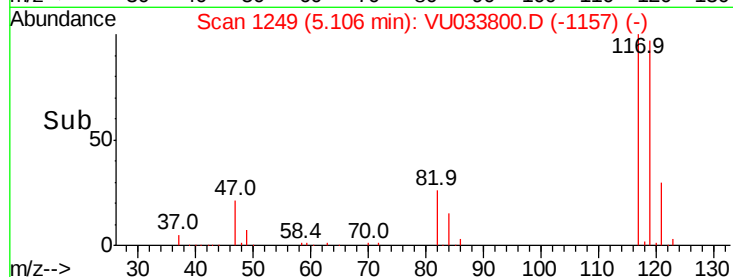
60000

40000

20000

0

5.00 5.10 5.20



#33

Benzene

Concen: 4.755 ug/L

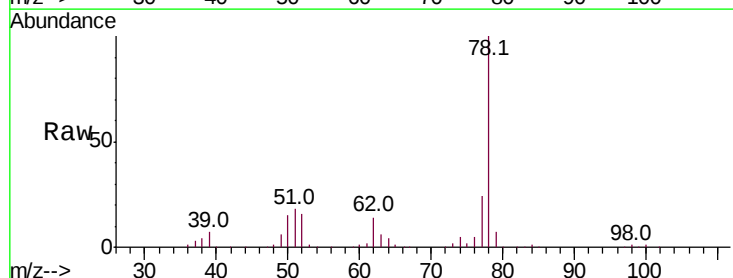
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033800.D

Acq: 14 Aug 2019 16:30

Tgt Ion: 78 Resp: 381582



Abundance Ion 78.00 (77.70 to 78.70): VU0

200000

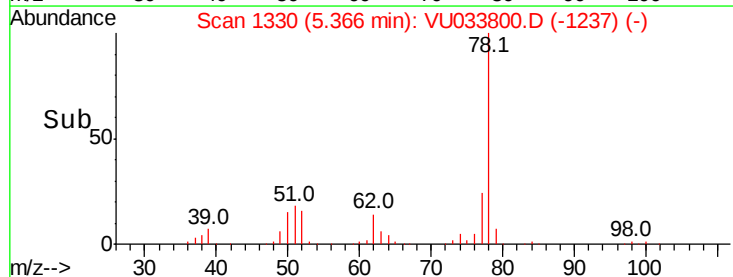
150000

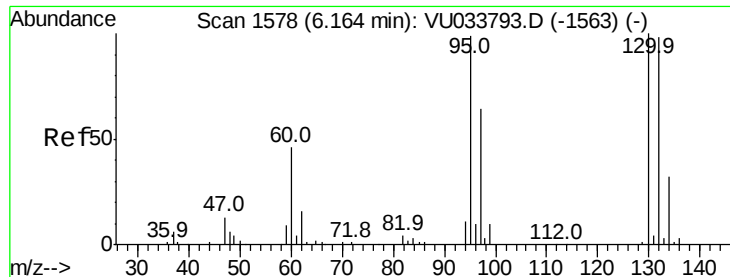
100000

50000

0

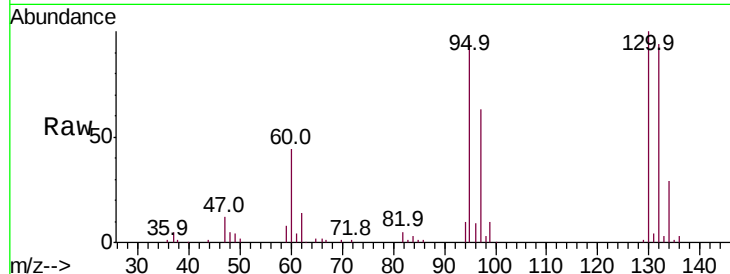
5.20 5.30 5.40 5.50



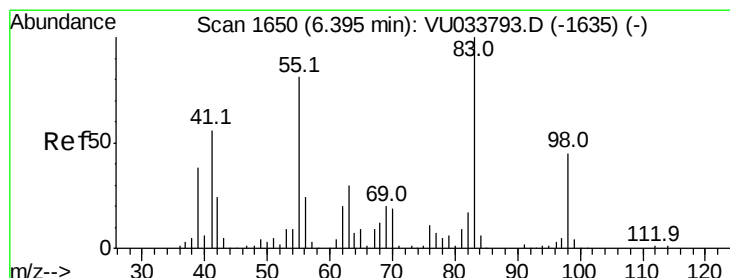
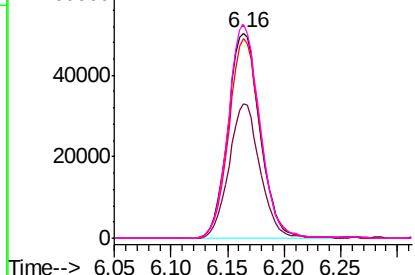
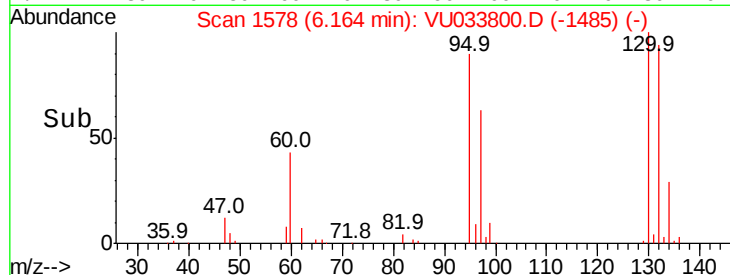


#34
 Trichloroethene
 Concen: 4.724 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033800.D
 Acq: 14 Aug 2019 16:30

Tot Ion:	95	Resp:	99425
Ion	Ratio	Lower	Upper
95	100		
97	65.7	45.4	84.4
132	97.3	68.9	127.9
130	104.0	70.5	130.9

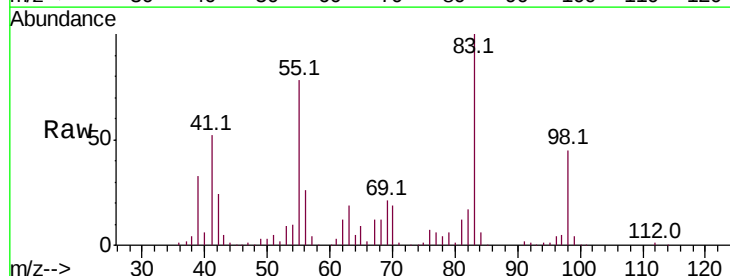


Abundance Ion 95.00 (94.70 to 95.70): VU033800.D (-1563) (-)
 Ion 97.00 (96.70 to 97.70): VU033800.D (-1563) (-)
 Ion 132.00 (131.70 to 132.70): VU033800.D (-1563) (-)
 Ion 130.00 (129.70 to 130.70): VU033800.D (-1563) (-)

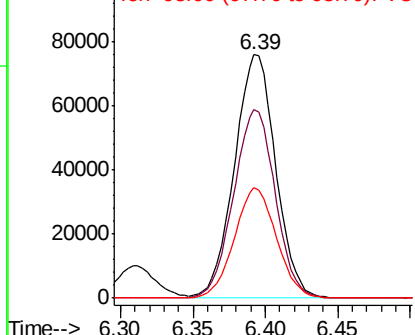
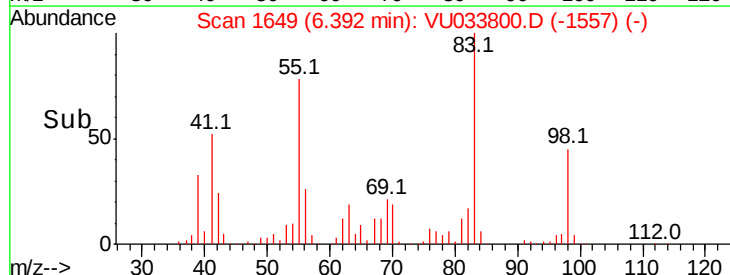


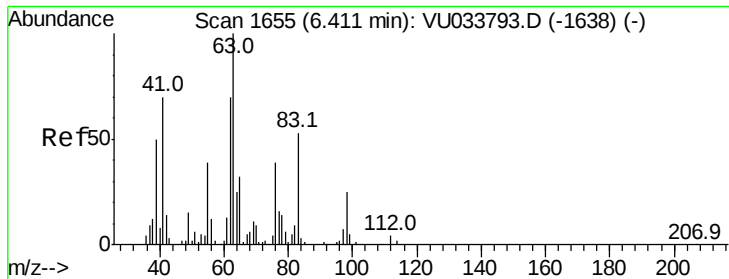
#35
 Methylcyclohexane
 Concen: 4.742 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU033800.D
 Acq: 14 Aug 2019 16:30

Tgt Ion:	83	Resp:	149626
Ion	Ratio	Lower	Upper
83	100		
55	78.6	65.0	97.6
98	46.3	36.2	54.4



Abundance Ion 83.00 (82.70 to 83.70): VU033800.D (-1557) (-)
 Ion 55.00 (54.70 to 55.70): VU033800.D (-1557) (-)
 Ion 98.00 (97.70 to 98.70): VU033800.D (-1557) (-)





#37

1,2-Dichloropropane

Concen: 4.773 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033800.D

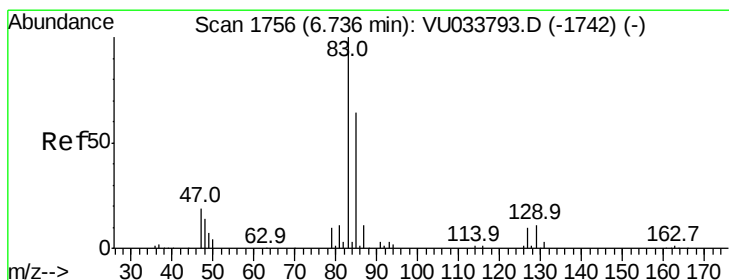
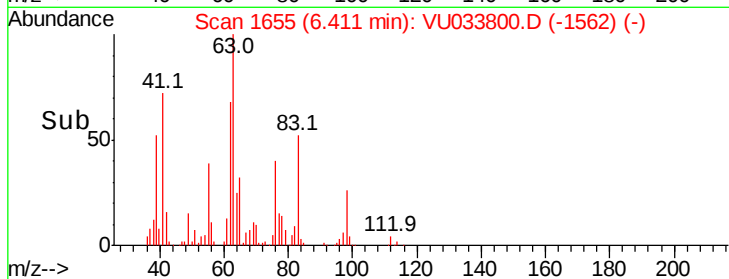
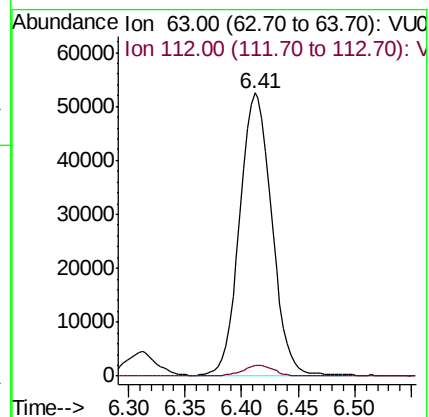
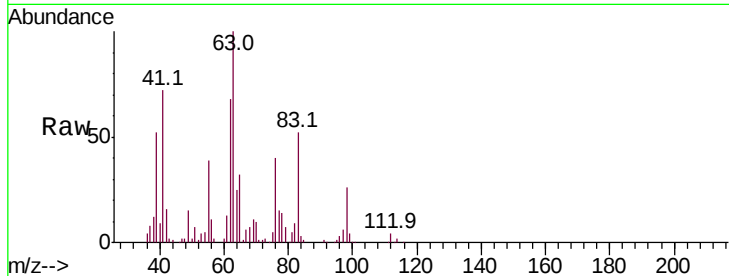
Acq: 14 Aug 2019 16:30

Tot Ion: 63 Resp: 103495

Ion Ratio Lower Upper

63 100

112 3.7 3.3 4.9



#38

Bromodichloromethane

Concen: 4.605 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033800.D

Acq: 14 Aug 2019 16:30

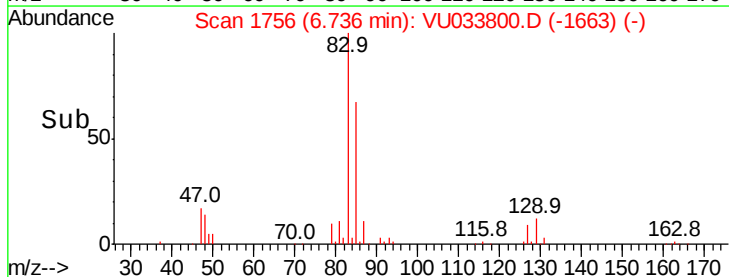
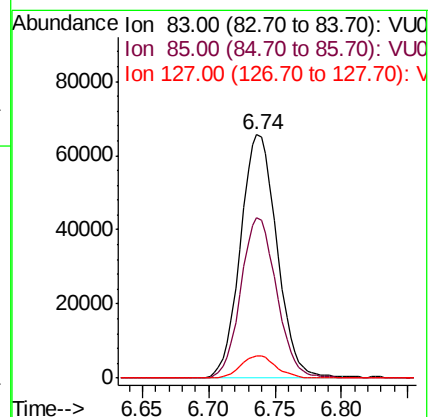
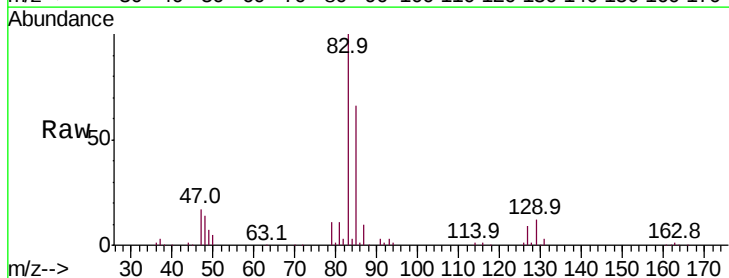
Tgt Ion: 83 Resp: 125920

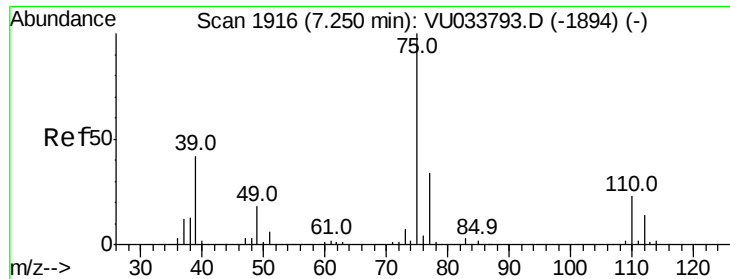
Ion Ratio Lower Upper

83 100

85 65.9 45.0 83.6

127 9.2 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 4.598 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU033800.D

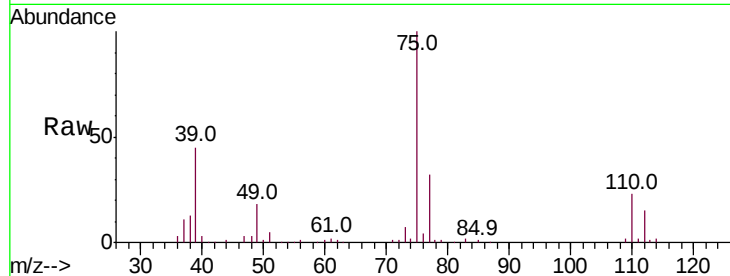
Acq: 14 Aug 2019 16:30

Tot Ion: 75 Resp: 134540

Ion Ratio Lower Upper

75 100

77 31.7 23.6 43.8

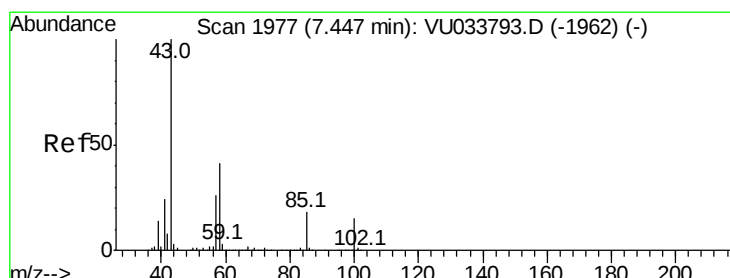
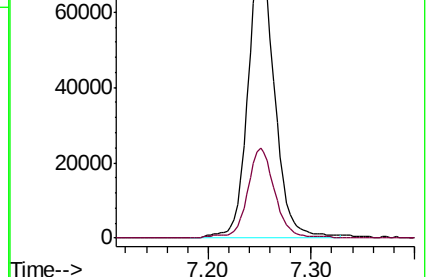
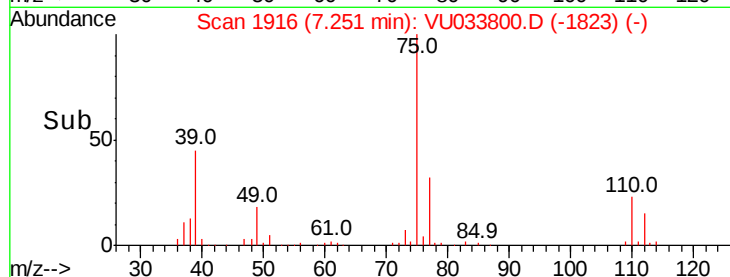


Abundance Ion 75.00 (74.70 to 75.70): VU033793.D (-1894) (-)

Ion 77.00 (76.70 to 77.70): VU033793.D (-1894) (-)

7.25

Time-->



#40

4-Methyl-2-pentanone

Concen: 49.171 ug/L

RT: 7.45 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VU033800.D

Acq: 14 Aug 2019 16:30

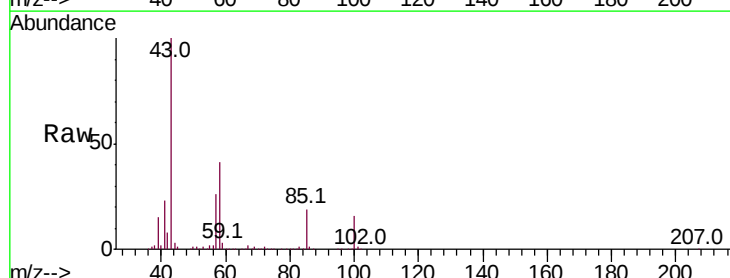
Tgt Ion: 43 Resp: 616152

Ion Ratio Lower Upper

43 100

58 41.0 32.2 48.4

100 15.4 11.9 17.9



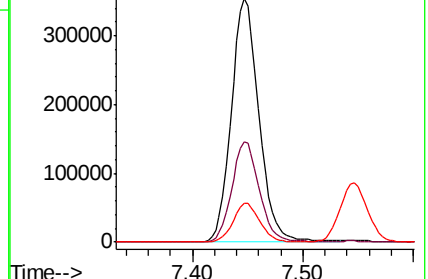
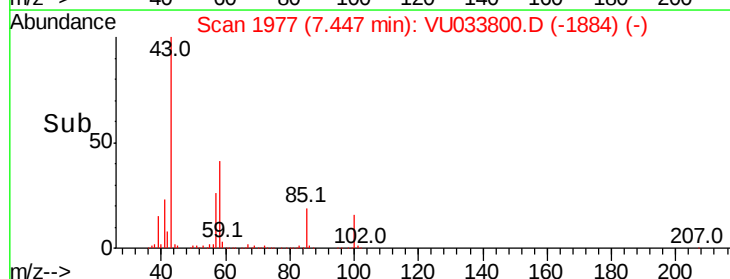
Abundance Ion 43.00 (42.70 to 43.70): VU033793.D (-1962) (-)

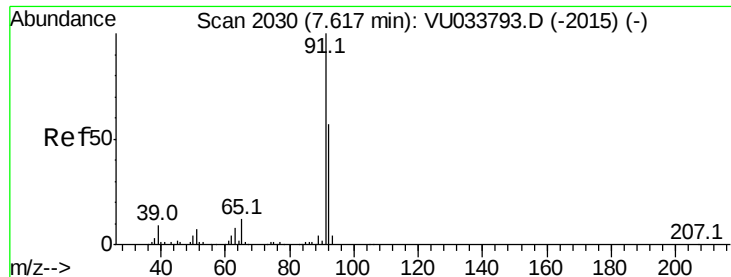
Ion 58.00 (57.70 to 58.70): VU033793.D (-1962) (-)

Ion 100.00 (99.70 to 100.70): VU033793.D (-1962) (-)

7.45

Time-->





#42

Toluene

Concen: 4.962 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033800.D

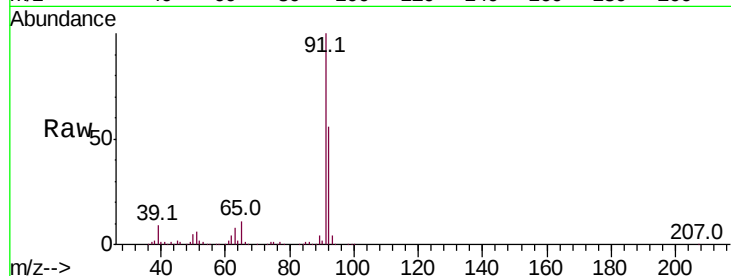
Acq: 14 Aug 2019 16:30

Tot Ion: 91 Resp: 418453

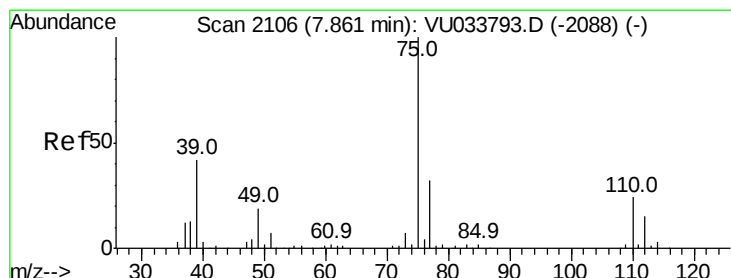
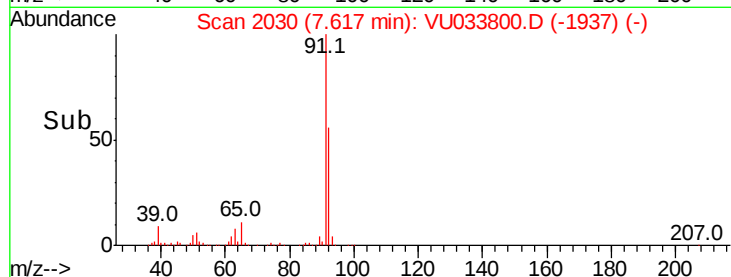
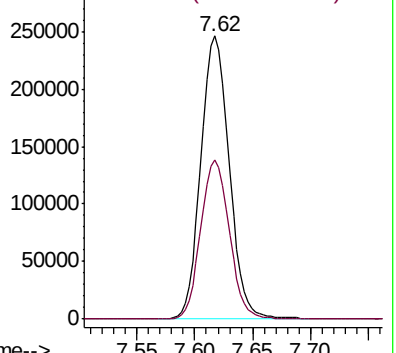
Ion Ratio Lower Upper

91 100

92 56.4 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU033800.D (-1937) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.829 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033800.D

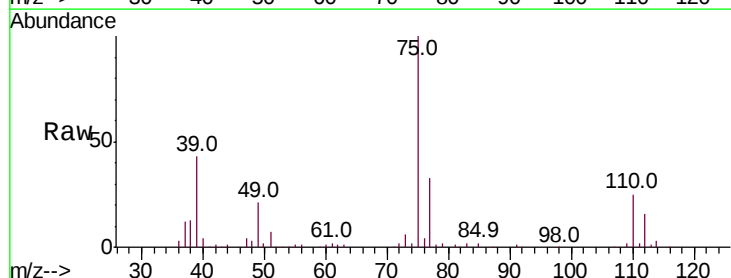
Acq: 14 Aug 2019 16:30

Tgt Ion: 75 Resp: 118136

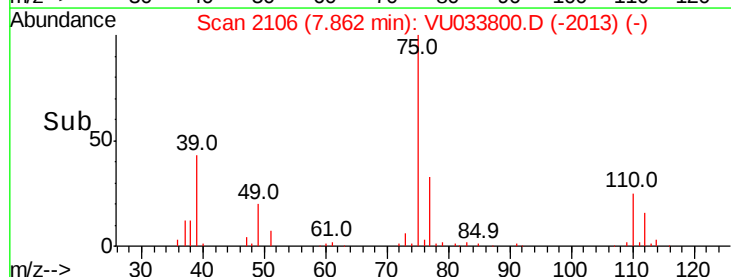
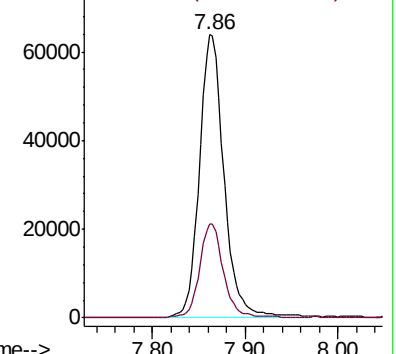
Ion Ratio Lower Upper

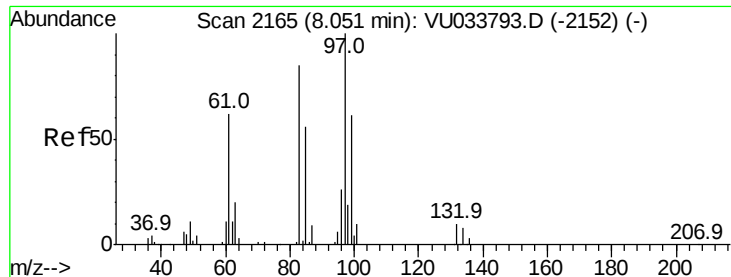
75 100

77 33.2 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU033800.D (-2013) (-)





#45

1,1,2-Trichloroethane

Concen: 4.747 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU033800.D

Acq: 14 Aug 2019 16:30

Tot Ion: 97 Resp: 73553

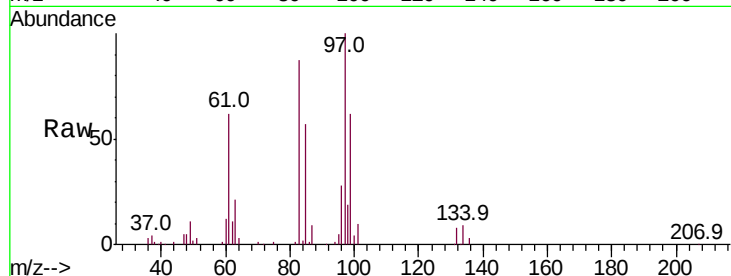
Ion Ratio Lower Upper

97 100

99 62.4 42.6 79.0

83 86.8 59.8 111.1

85 57.2 39.3 72.9

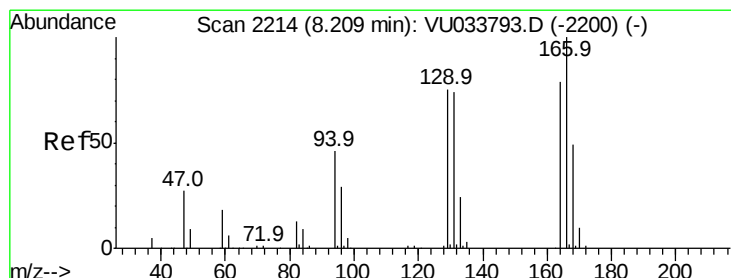
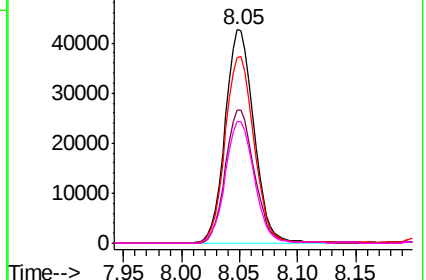
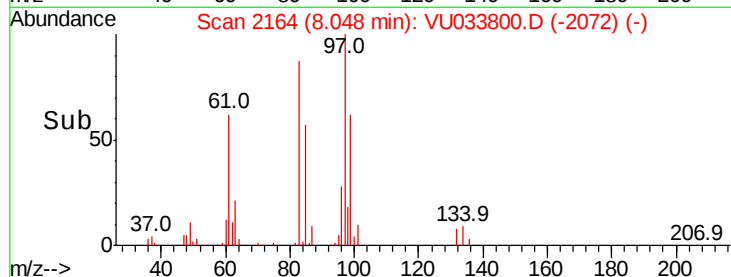


Abundance Ion 97.00 (96.70 to 97.70): VU0

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



#47

Tetrachloroethene

Concen: 4.678 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU033800.D

Acq: 14 Aug 2019 16:30

Tgt Ion: 164 Resp: 82074

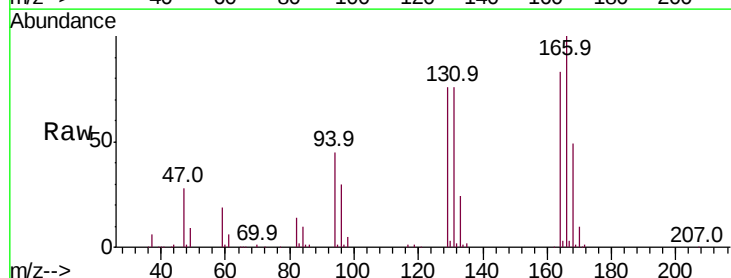
Ion Ratio Lower Upper

164 100

129 91.5 66.1 122.7

131 91.9 65.2 121.2

166 120.9 88.5 164.4

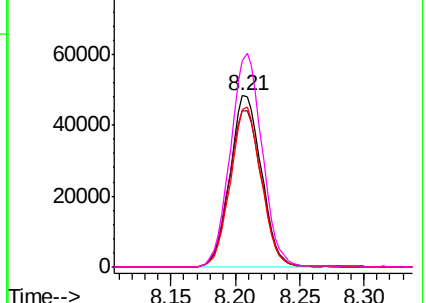
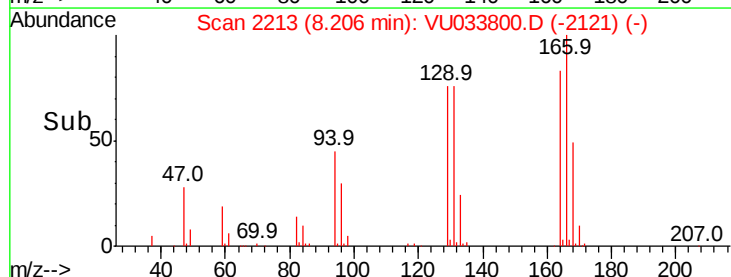


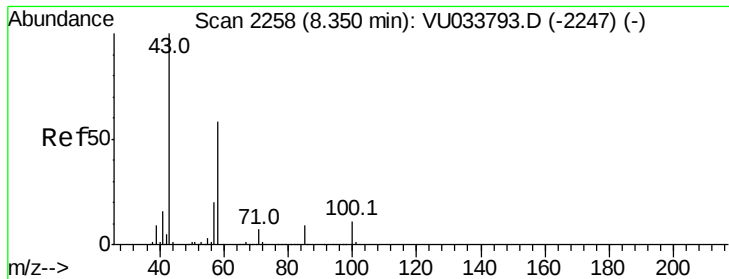
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

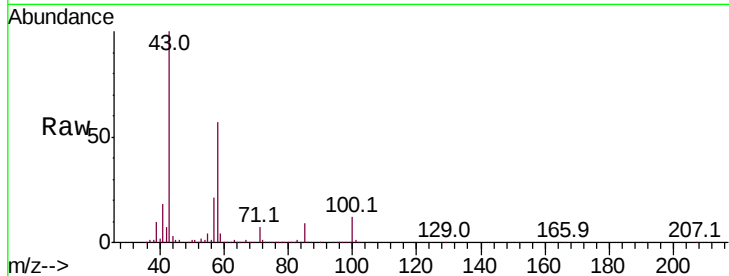
Ion 166.00 (165.70 to 166.70): V



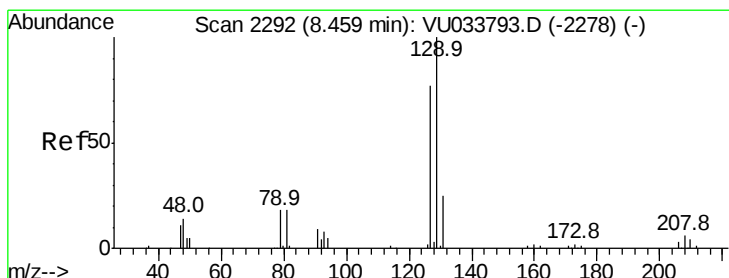
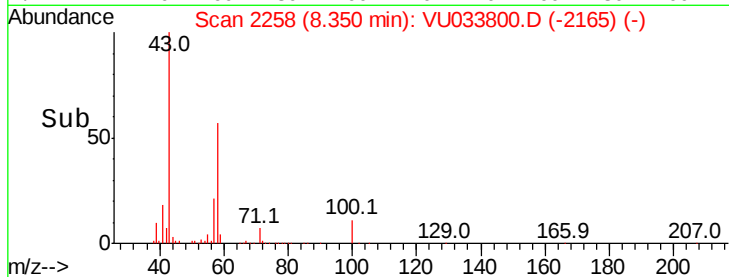
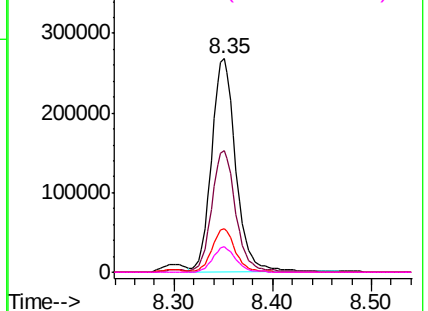


#48
2-Hexanone
Concen: 50.668 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

Tot Ion: 43 Resp: 459174
Ion Ratio Lower Upper
43 100
58 55.8 45.2 67.8
57 19.7 15.7 23.5
100 11.3 8.6 13.0

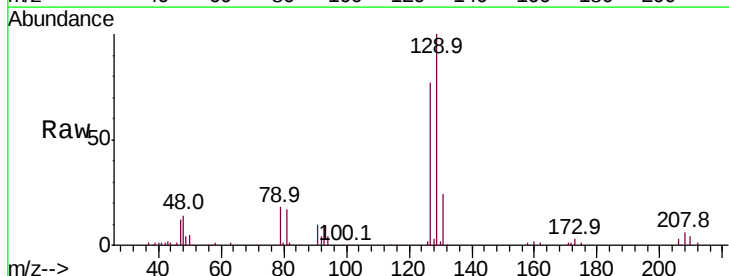


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

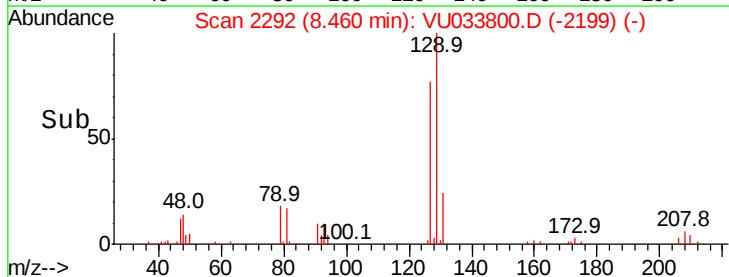
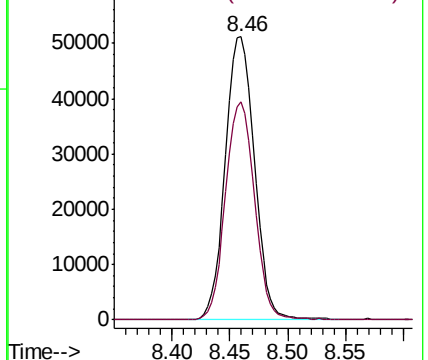


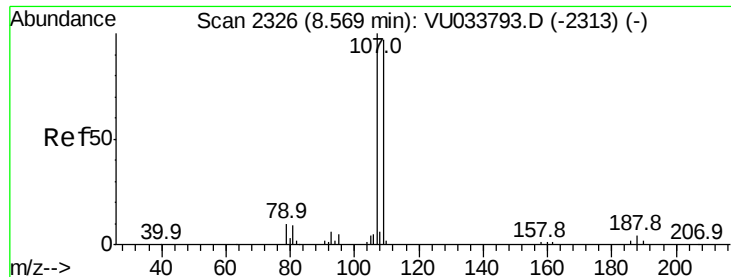
#49
Dibromochloromethane
Concen: 4.769 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

Tgt Ion: 129 Resp: 89597
Ion Ratio Lower Upper
129 100
127 76.9 54.2 100.6



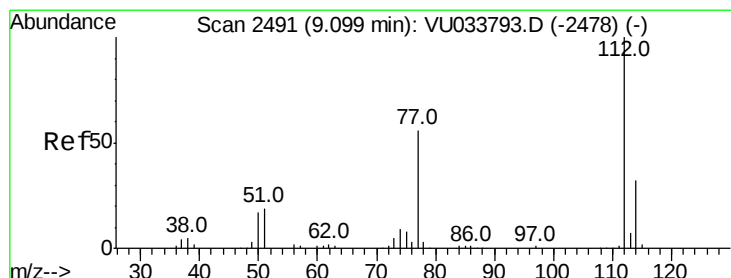
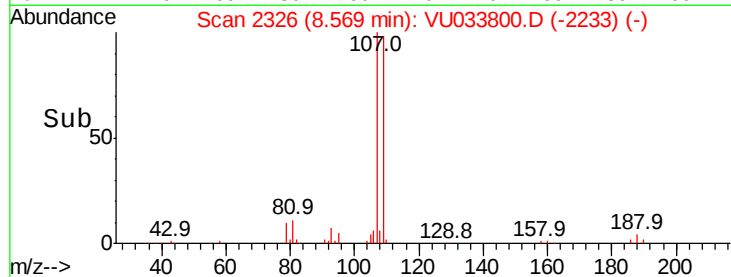
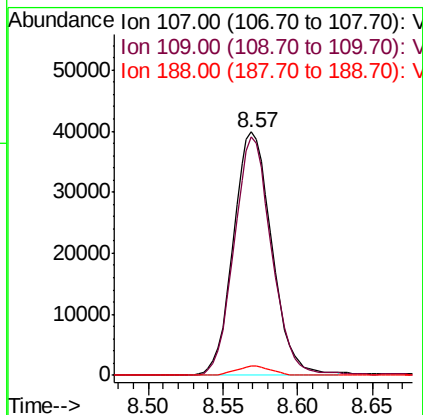
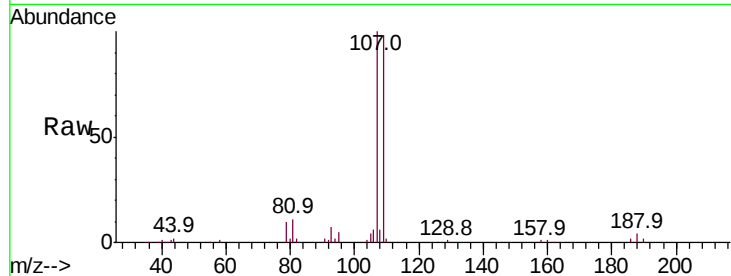
Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





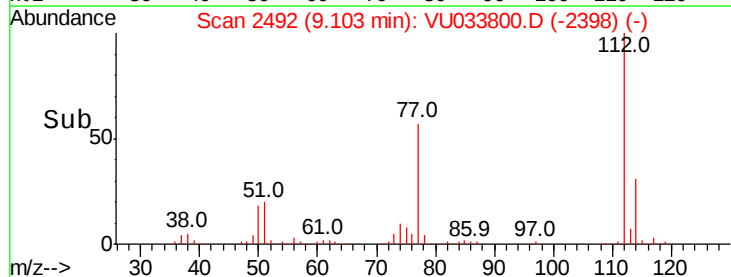
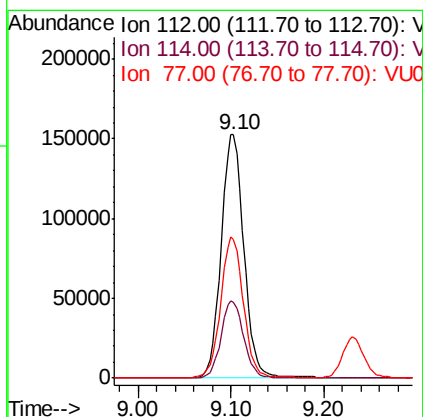
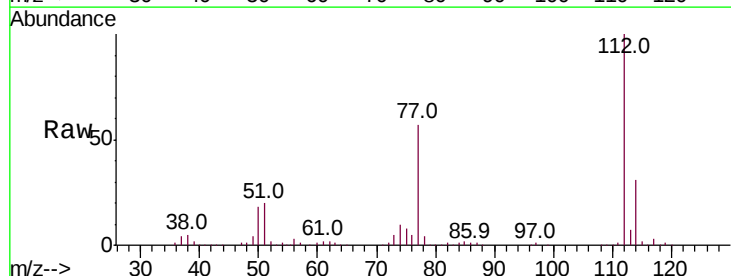
#50
 1,2-Dibromoethane
 Concen: 4.760 ug/L
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU033800.D
 Acq: 14 Aug 2019 16:30

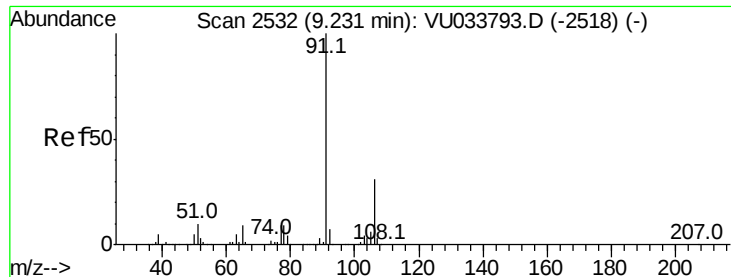
Tot Ion:107 Resp: 71300
 Ion Ratio Lower Upper
 107 100
 109 98.0 68.3 126.8
 188 3.8 3.0 4.6



#51
 Chlorobenzene
 Concen: 4.786 ug/L
 RT: 9.10 min Scan# 2492
 Delta R.T. 0.00 min
 Lab File: VU033800.D
 Acq: 14 Aug 2019 16:30

Tgt Ion:112 Resp: 259811
 Ion Ratio Lower Upper
 112 100
 114 31.1 22.5 41.7
 77 57.2 45.3 67.9





#52

Ethylbenzene

Concen: 4.784 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033800.D

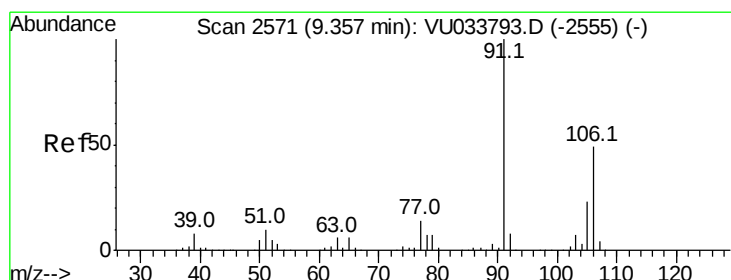
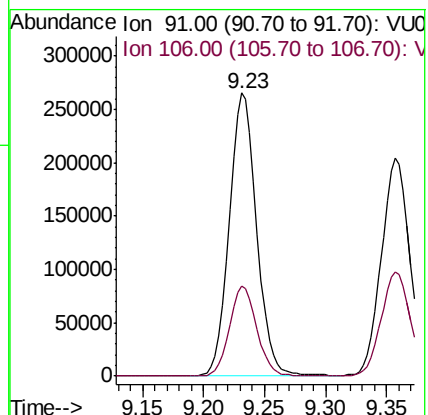
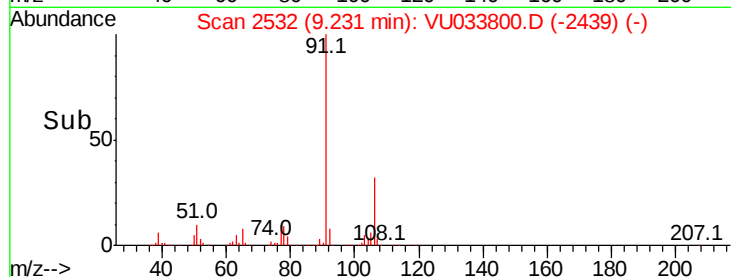
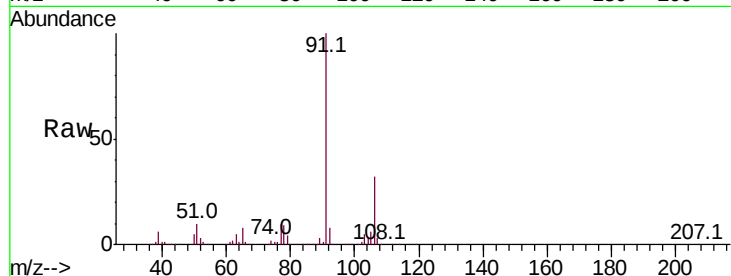
Acq: 14 Aug 2019 16:30

Tot Ion: 91 Resp: 417534

Ion Ratio Lower Upper

91 100

106 31.9 21.6 40.0



#53

m,p-Xylene

Concen: 4.913 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033800.D

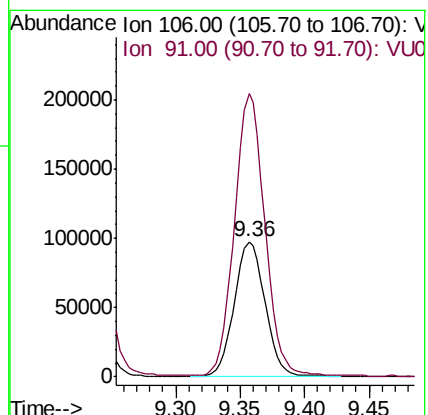
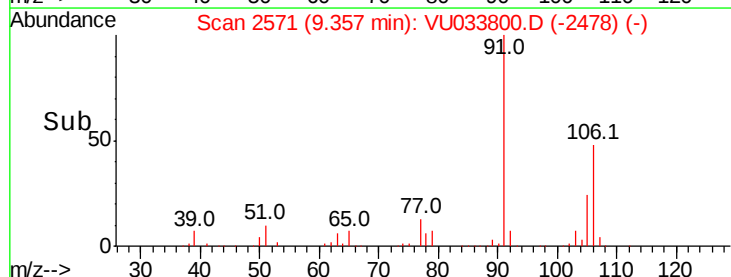
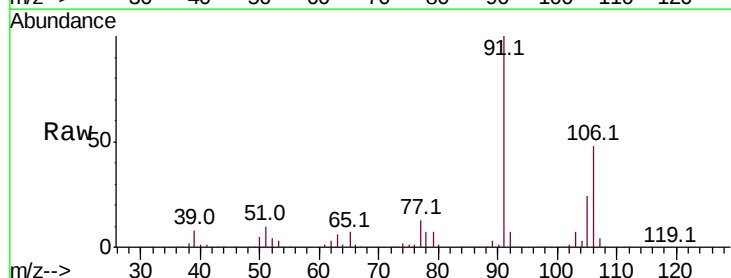
Acq: 14 Aug 2019 16:30

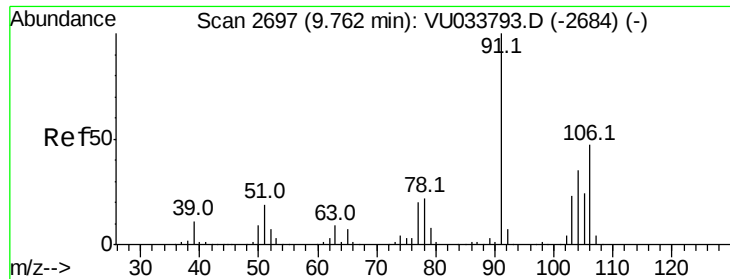
Tgt Ion: 106 Resp: 161695

Ion Ratio Lower Upper

106 100

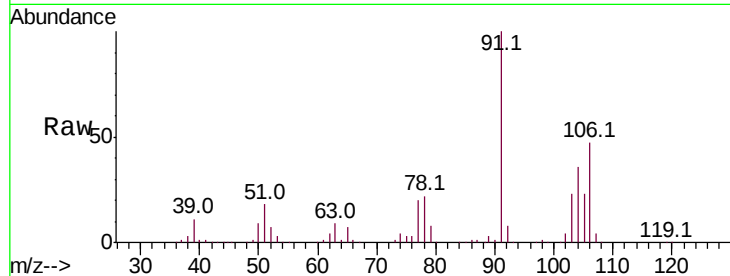
91 208.8 142.7 265.1



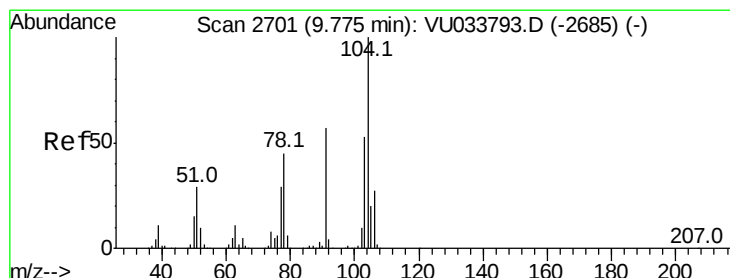
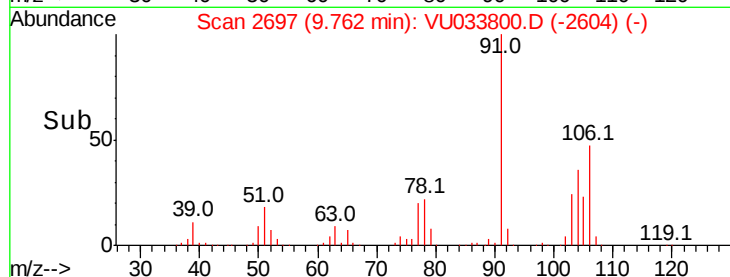
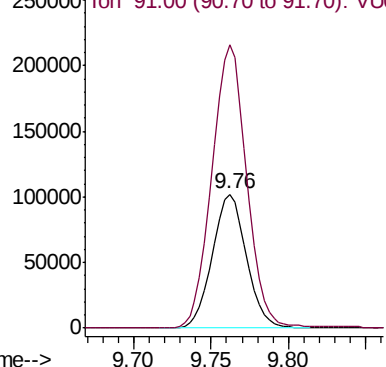


#54
o-Xylene
Concen: 5.024 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

Tot Ion:106 Resp: 156983
Ion Ratio Lower Upper
106 100
91 211.5 149.5 277.7

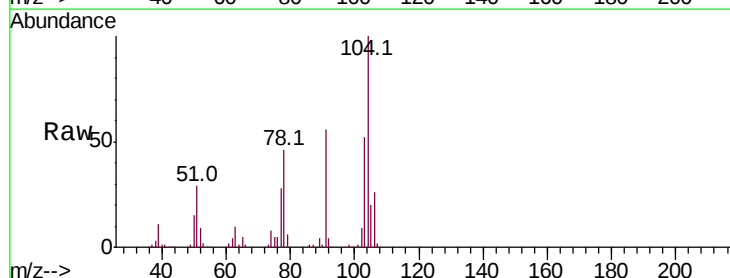


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

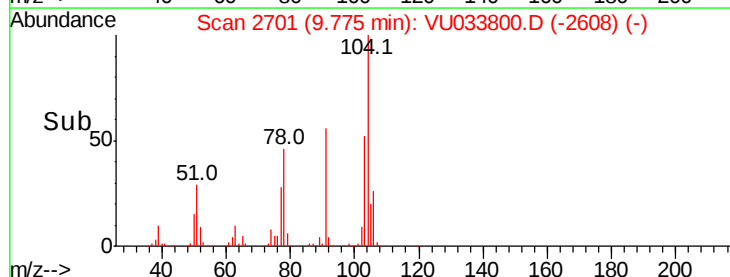
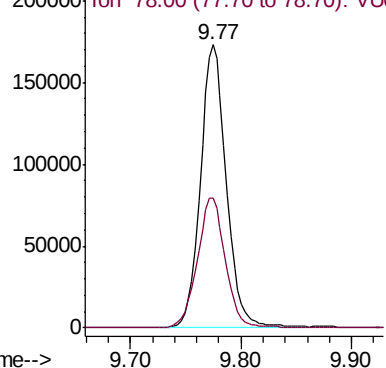


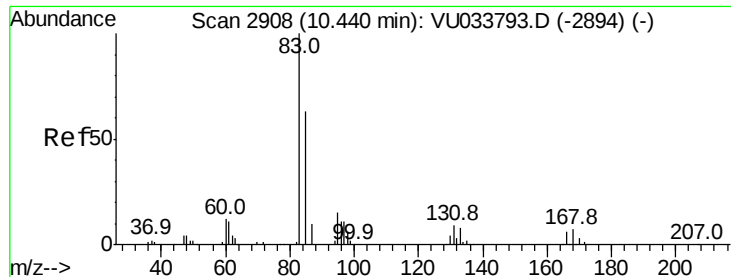
#55
Styrene
Concen: 5.190 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

Tgt Ion:104 Resp: 281418
Ion Ratio Lower Upper
104 100
78 45.9 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: 4.658 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033800.D

Acq: 14 Aug 2019 16:30

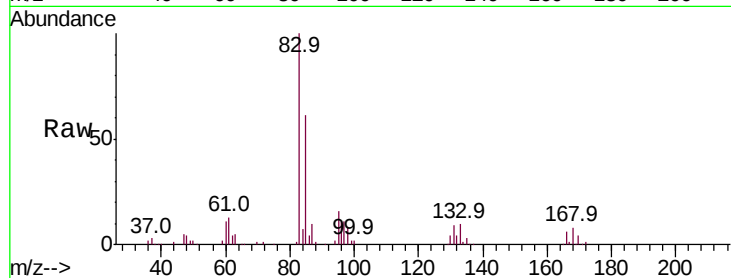
Tot Ion: 83 Resp: 94807

Ion	Ratio	Lower	Upper
83	100		
85	61.1	44.4	82.4
131	9.4	7.6	11.4

83 100

85 61.1 44.4 82.4

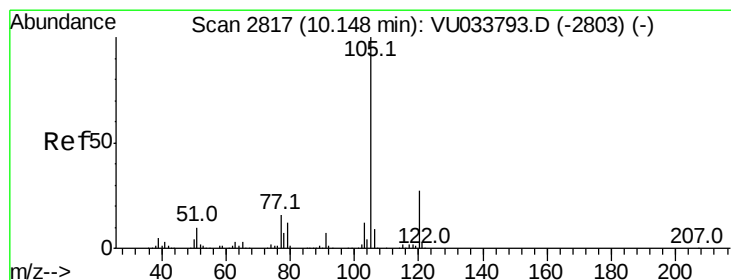
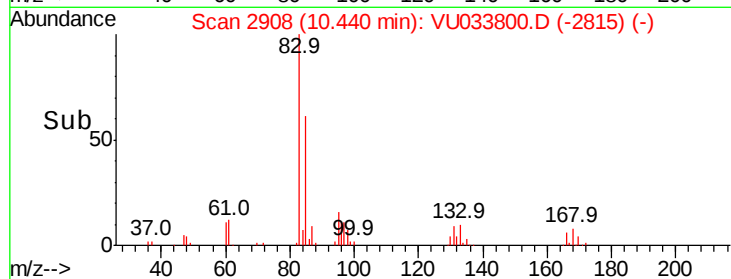
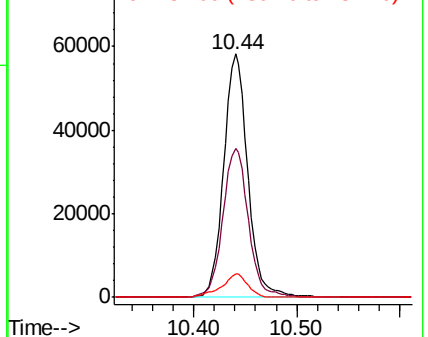
131 9.4 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VU033793.D (-2894) (-)

Ion 85.00 (84.70 to 85.70): VU033793.D (-2894) (-)

Ion 131.00 (130.70 to 131.70): VU033793.D (-2894) (-)



#59

Isopropylbenzene

Concen: 4.861 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033800.D

Acq: 14 Aug 2019 16:30

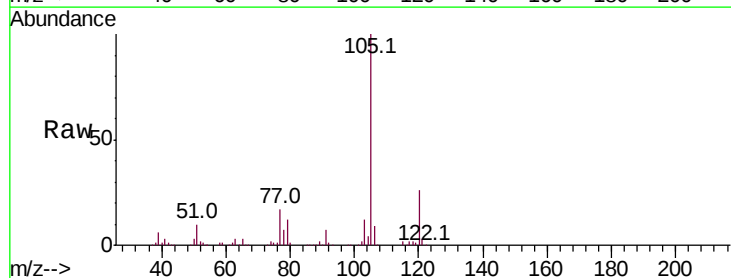
Tgt Ion:105 Resp: 411145

Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.5	32.3
77	16.2	12.8	19.2

105 100

120 26.3 21.5 32.3

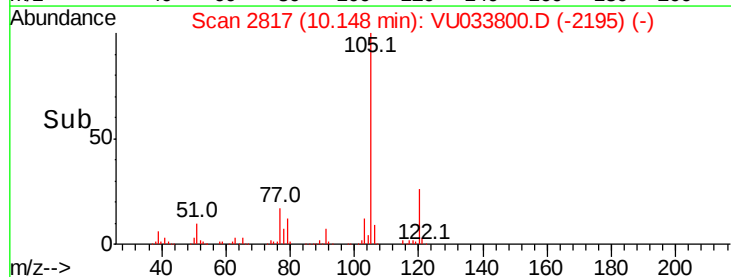
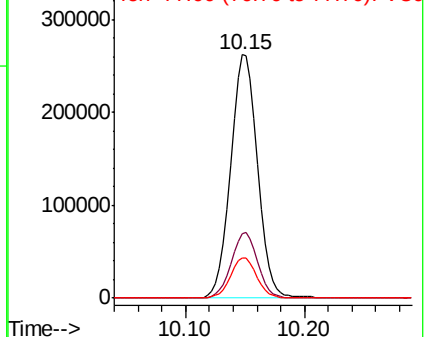
77 16.2 12.8 19.2

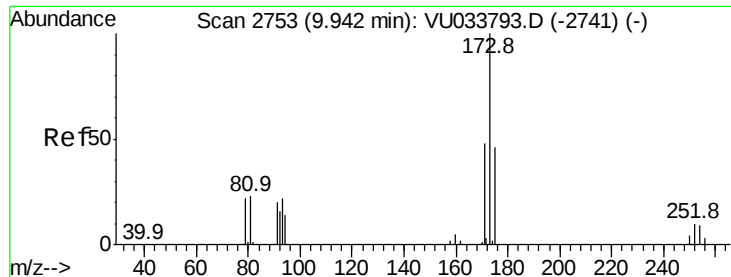


Abundance Ion 105.00 (104.70 to 105.70): VU033793.D (-2803) (-)

Ion 120.00 (119.70 to 120.70): VU033793.D (-2803) (-)

Ion 77.00 (76.70 to 77.70): VU033793.D (-2803) (-)





#60

Bromoform

Concen: 4.604 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033800.D

Acq: 14 Aug 2019 16:30

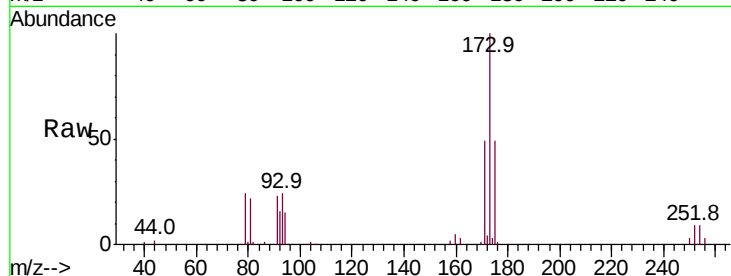
Tot Ion:173 Resp: 52172

Ion Ratio Lower Upper

173 100

175 49.9 36.6 55.0

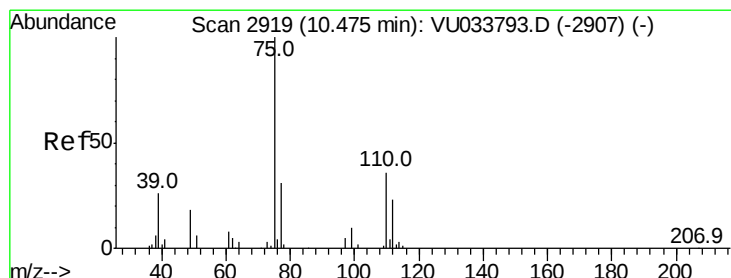
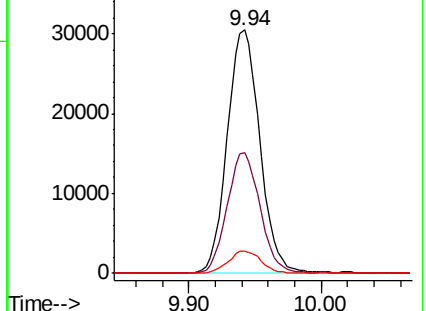
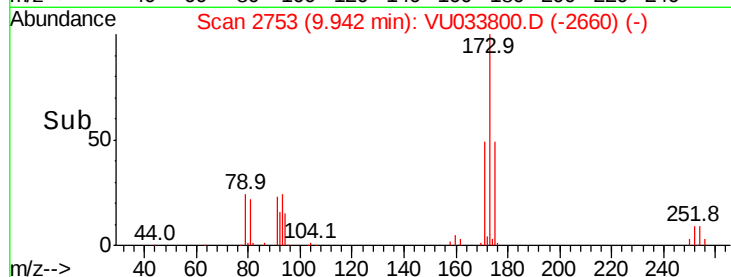
254 9.1 7.0 10.4



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: 4.572 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033800.D

Acq: 14 Aug 2019 16:30

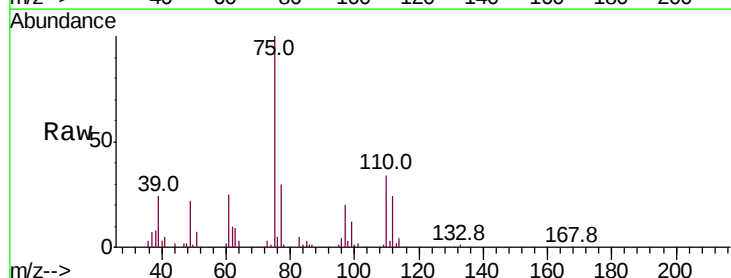
Tgt Ion: 75 Resp: 67353

Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.6

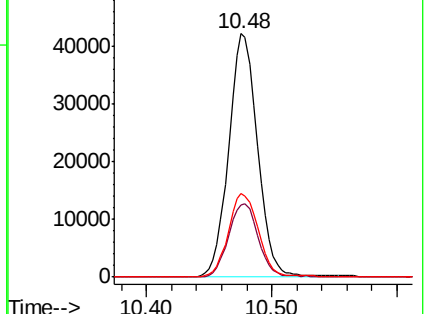
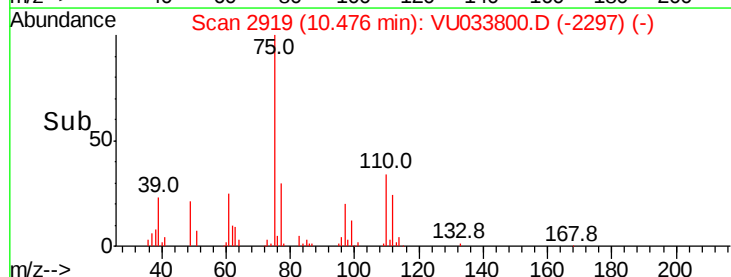
110 35.5 28.9 43.3

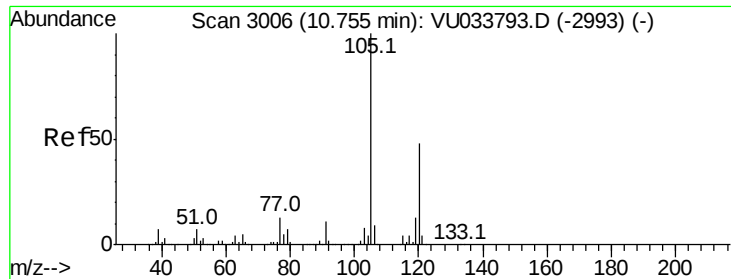


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

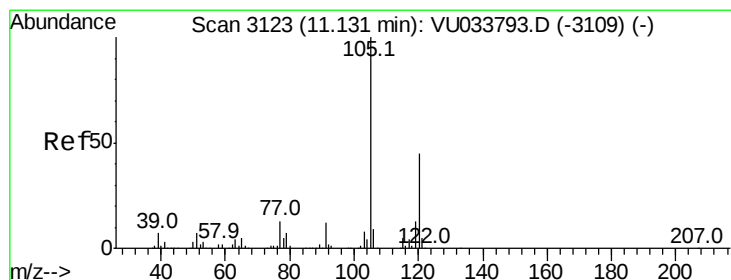
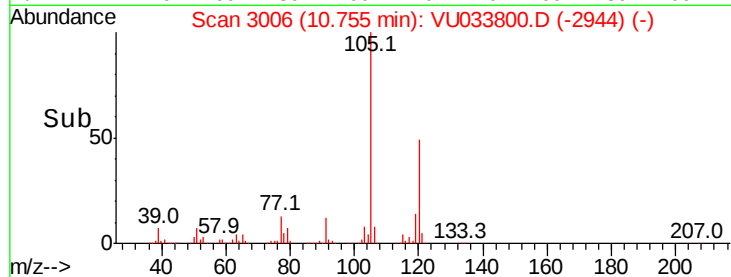
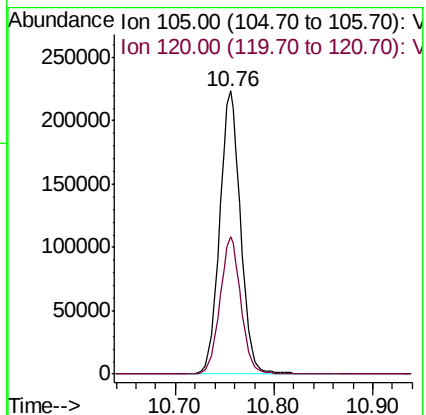
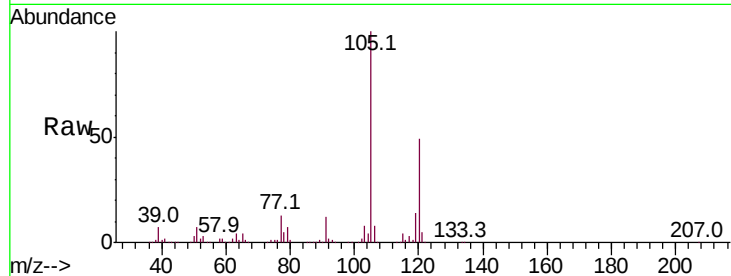




#62

1,3,5-Trimethylbenzene
Concen: 4.836 ug/L
RT: 10.76 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

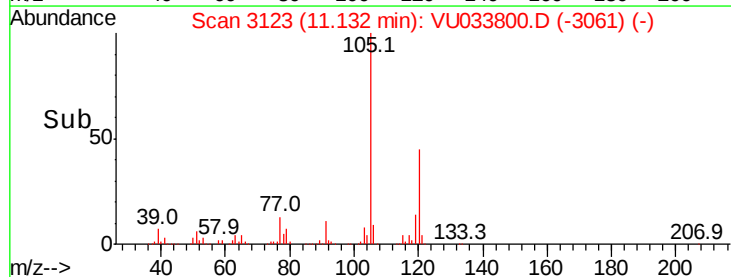
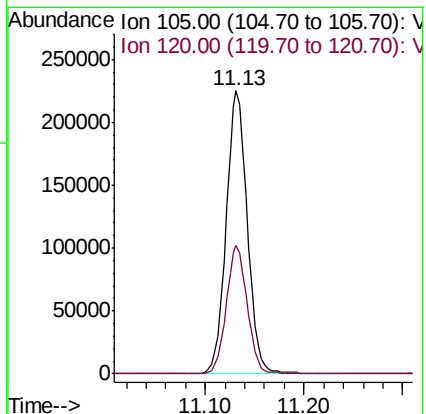
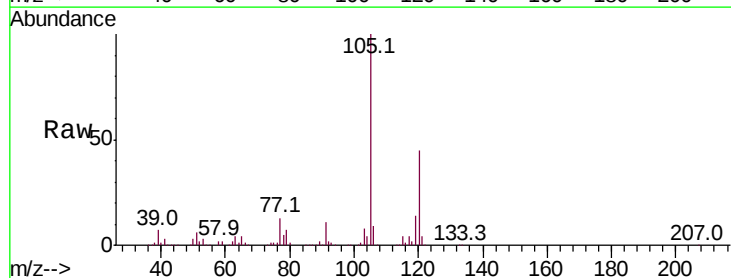
Tot Ion:105 Resp: 331856
Ion Ratio Lower Upper
105 100
120 48.8 38.6 58.0

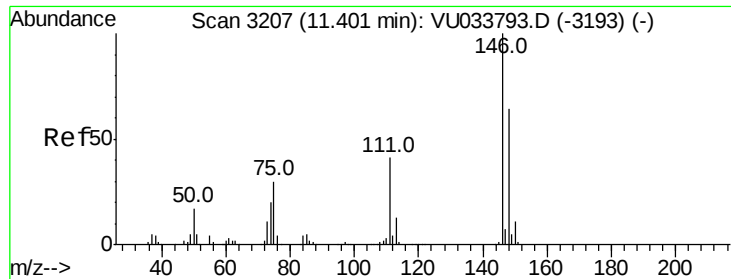


#63

1,2,4-Trimethylbenzene
Concen: 4.956 ug/L
RT: 11.13 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

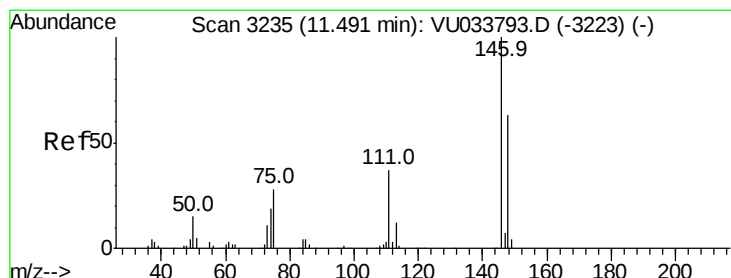
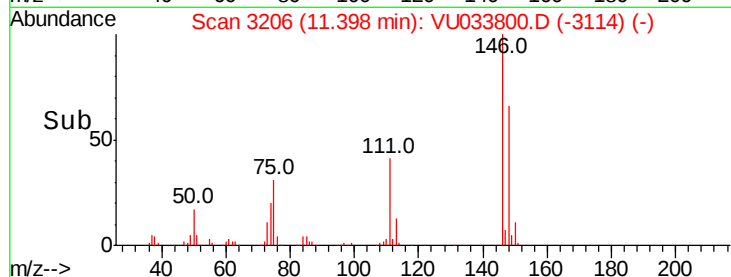
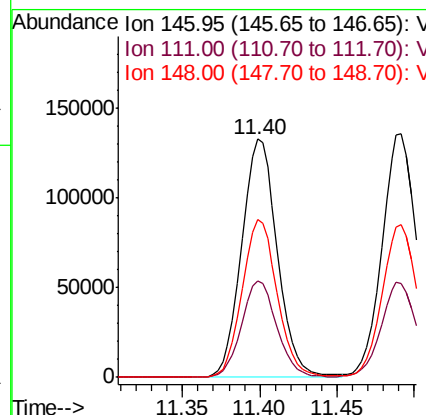
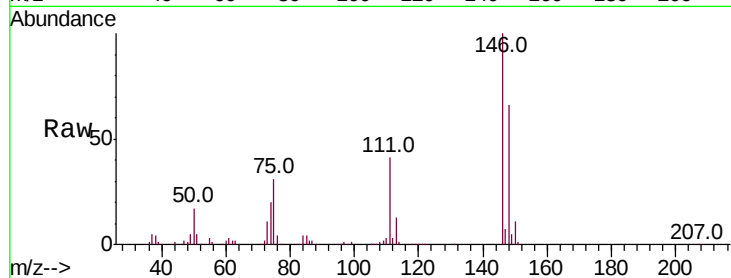
Tgt Ion:105 Resp: 339399
Ion Ratio Lower Upper
105 100
120 44.8 36.5 54.7





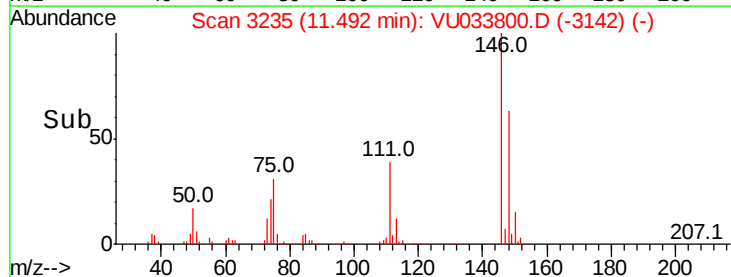
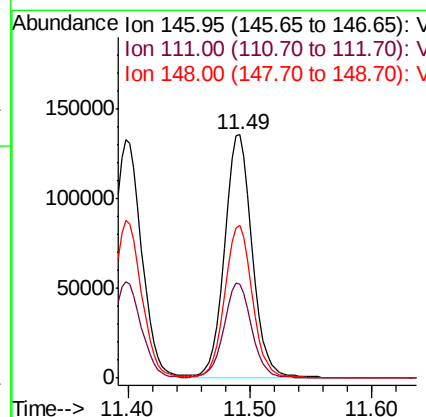
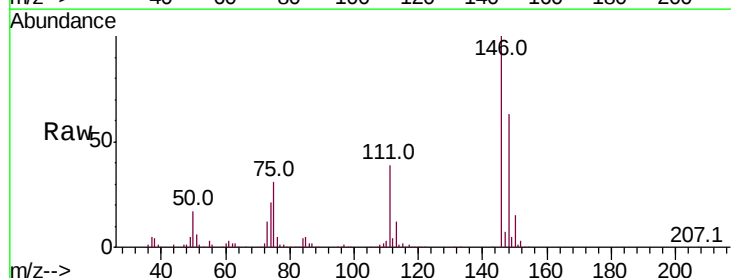
#64
1,3-Dichlorobenzene
Concen: 4.693 ug/L
RT: 11.40 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

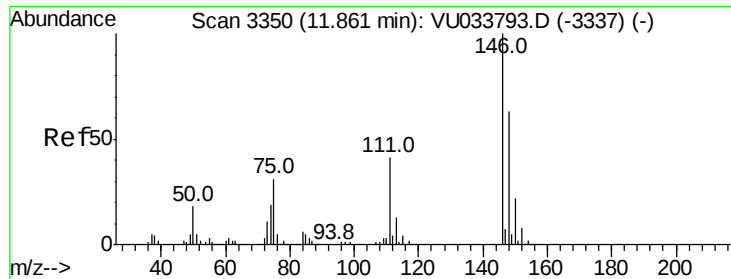
Tot Ion:146 Resp: 212258
Ion Ratio Lower Upper
146 100
111 40.7 28.5 52.9
148 66.0 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 4.626 ug/L
RT: 11.49 min Scan# 3235
Delta R.T. 0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

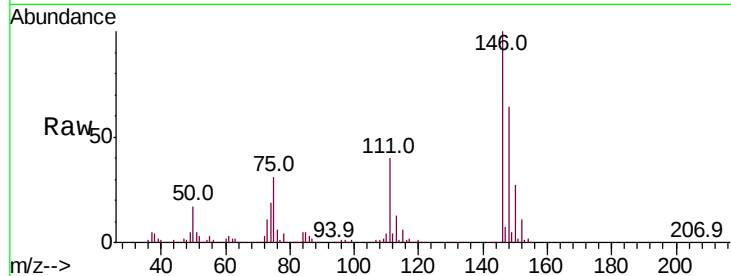
Tgt Ion:146 Resp: 215407
Ion Ratio Lower Upper
146 100
111 38.7 26.2 48.8
148 62.7 44.2 82.0



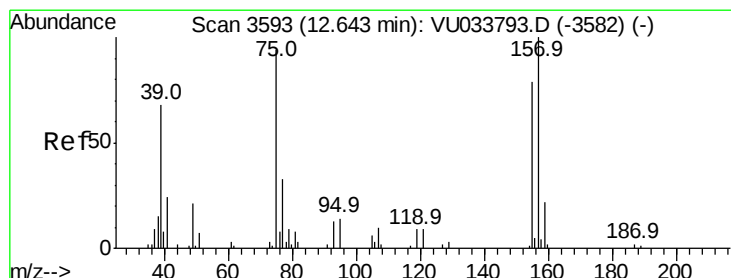
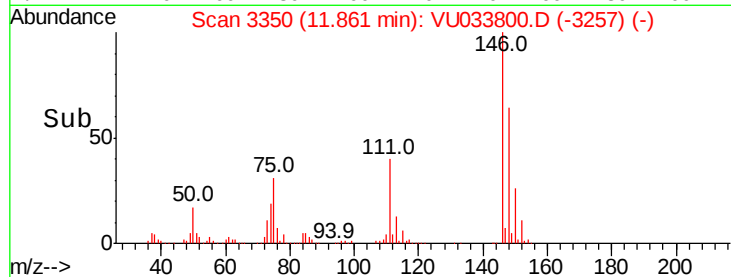
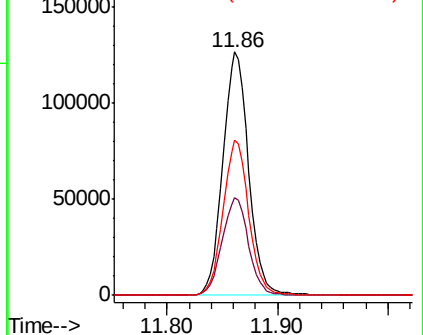


#67
 1,2-Dichlorobenzene
 Concen: 4.689 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033800.D
 Acq: 14 Aug 2019 16:30

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	32.7	49.1
148	63.6	50.6	76.0

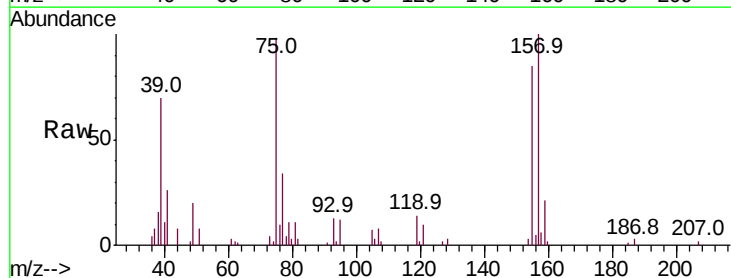


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

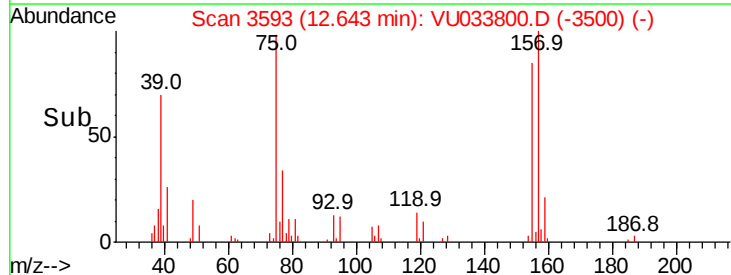
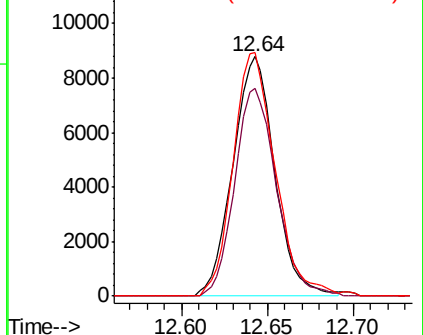


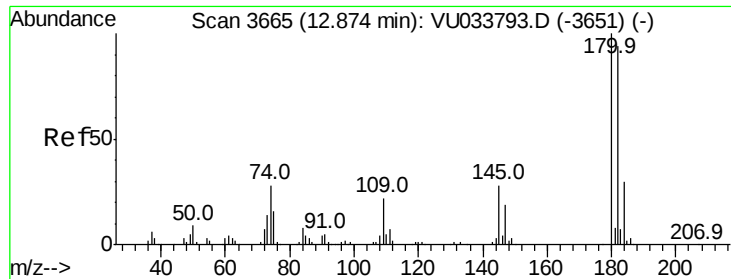
#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.614 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033800.D
 Acq: 14 Aug 2019 16:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.5	67.3	100.9
157	101.6	85.3	127.9



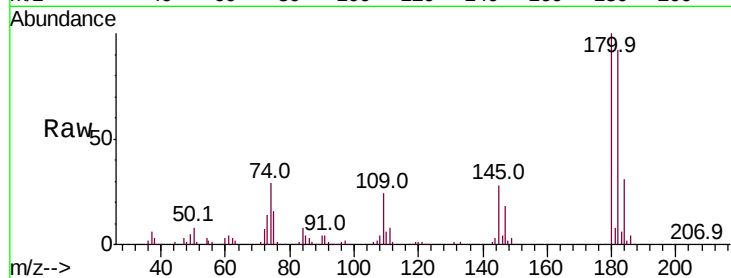
Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V



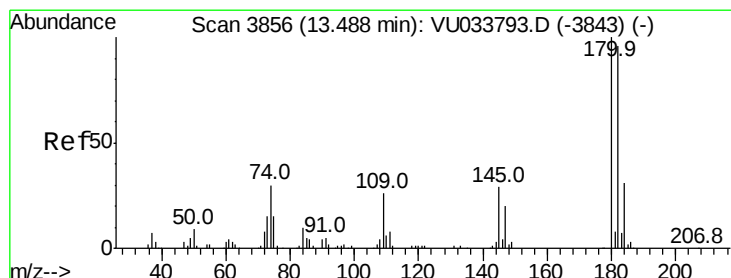
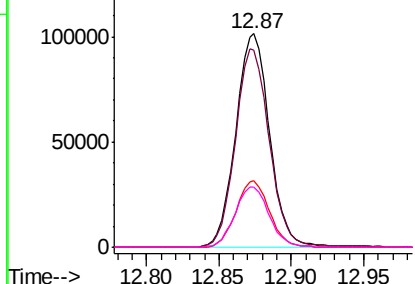
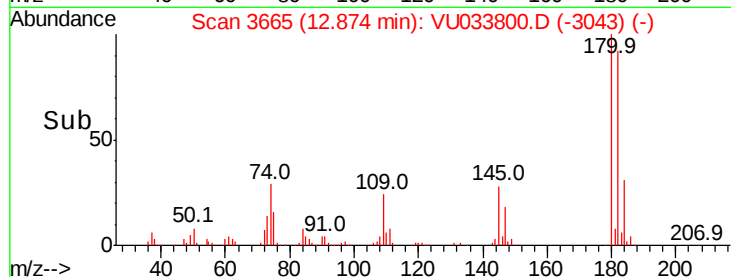


#69
 1,3,5-Trichlorobenzene
 Concen: 4.612 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033800.D
 Acq: 14 Aug 2019 16:30

Tot Ion:	180	Resp:	164059
Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.6	114.8
184	31.0	24.4	36.6
145	28.5	23.3	34.9

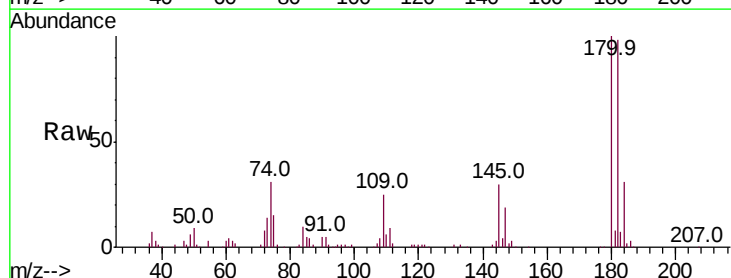


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

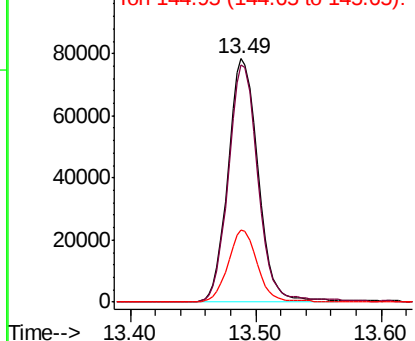
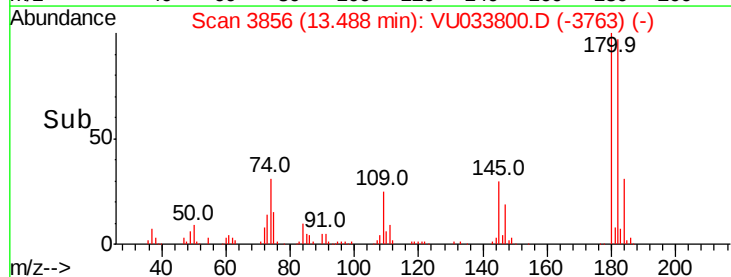


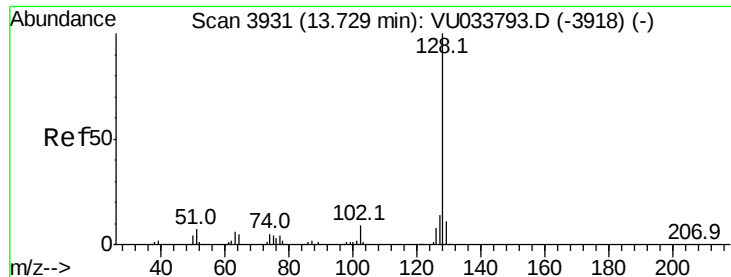
#70
 1,2,4-trichlorobenzene
 Concen: 4.717 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033800.D
 Acq: 14 Aug 2019 16:30

Tgt Ion:	180	Resp:	130595
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.4	116.2
145	28.9	23.5	35.3



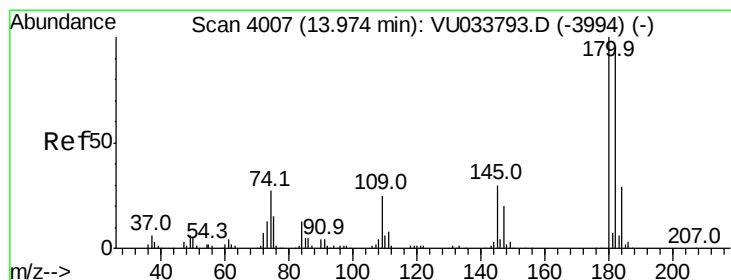
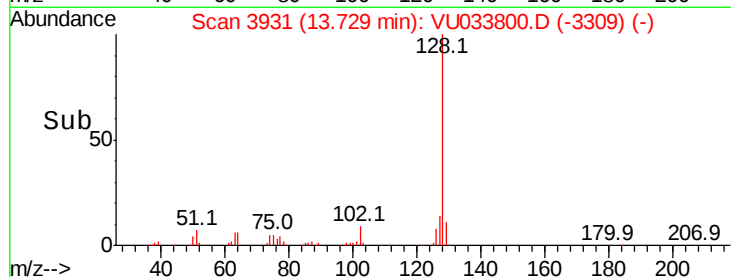
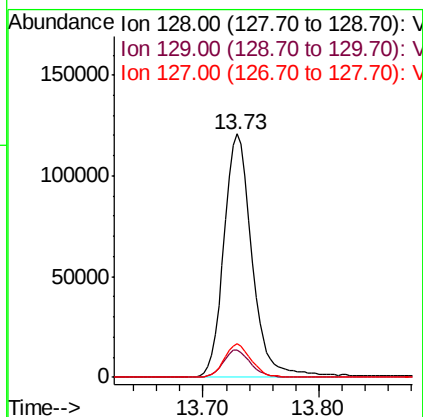
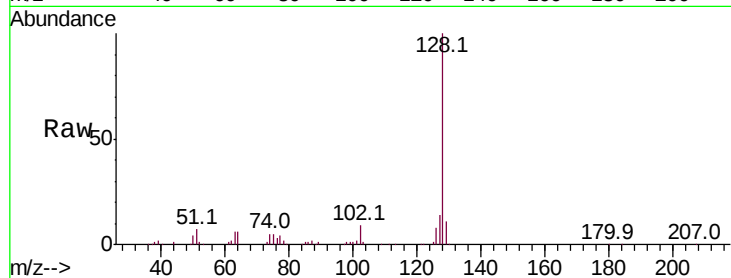
Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#71
Naphthalene
Concen: 4.764 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.5	12.7
127	13.3	11.2	16.8



#72
1,2,3-Trichlorobenzene
Concen: 4.854 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033800.D
Acq: 14 Aug 2019 16:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.7	113.5
145	31.0	24.3	36.5

