

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121819\
 Data File : VU036277.D
 Acq On : 18 Dec 2019 16:57
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 19 00:54:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 19 00:50:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	271037	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	284159	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	152213	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	132276	5.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.80%
7) Chloroethane-d5	1.93	69	111749	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.60	63	171999	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.00%
20) 2-Butanone-d5	4.69	46	199121	44.53	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.06%
24) Chloroform-d	5.11	84	183002	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.75	65	91524	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.77	84	349860	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.73	67	105468	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.93	98	332928	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	8.21	79	43661	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.67	63	172154	48.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.24%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	94881	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	124928	4.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	138922	4.592	ug/L 99
3) Chloromethane	1.54	50	151508	3.992	ug/L 100
5) Vinyl chloride	1.62	62	162068	4.500	ug/L 96
6) Bromomethane	1.88	94	103578	5.756	ug/L 96
8) Chloroethane	1.95	64	99919	4.646	ug/L 97
9) Trichlorofluoromethane	2.16	101	217858	4.800	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	103854	4.776	ug/L 99
12) 1,1-Dichloroethene	2.61	96	93303	4.640	ug/L 92
13) Acetone	2.68	43	165210	42.395	ug/L 96
14) Carbon disulfide	2.82	76	304292	4.510	ug/L 98
15) Methyl Acetate	3.00	43	38318	4.867	ug/L 98
16) Methylene chloride	3.08	84	135495	4.584	ug/L 97
17) Methyl tert-butyl Ether	3.42	73	199549	4.631	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	99005	4.701	ug/L 97
19) 1,1-Dichloroethane	3.92	63	185399	4.769	ug/L 99
21) 2-Butanone	4.77	43	245302	47.107	ug/L 96
22) cis-1,2-Dichloroethene	4.72	96	105992	4.692	ug/L 100

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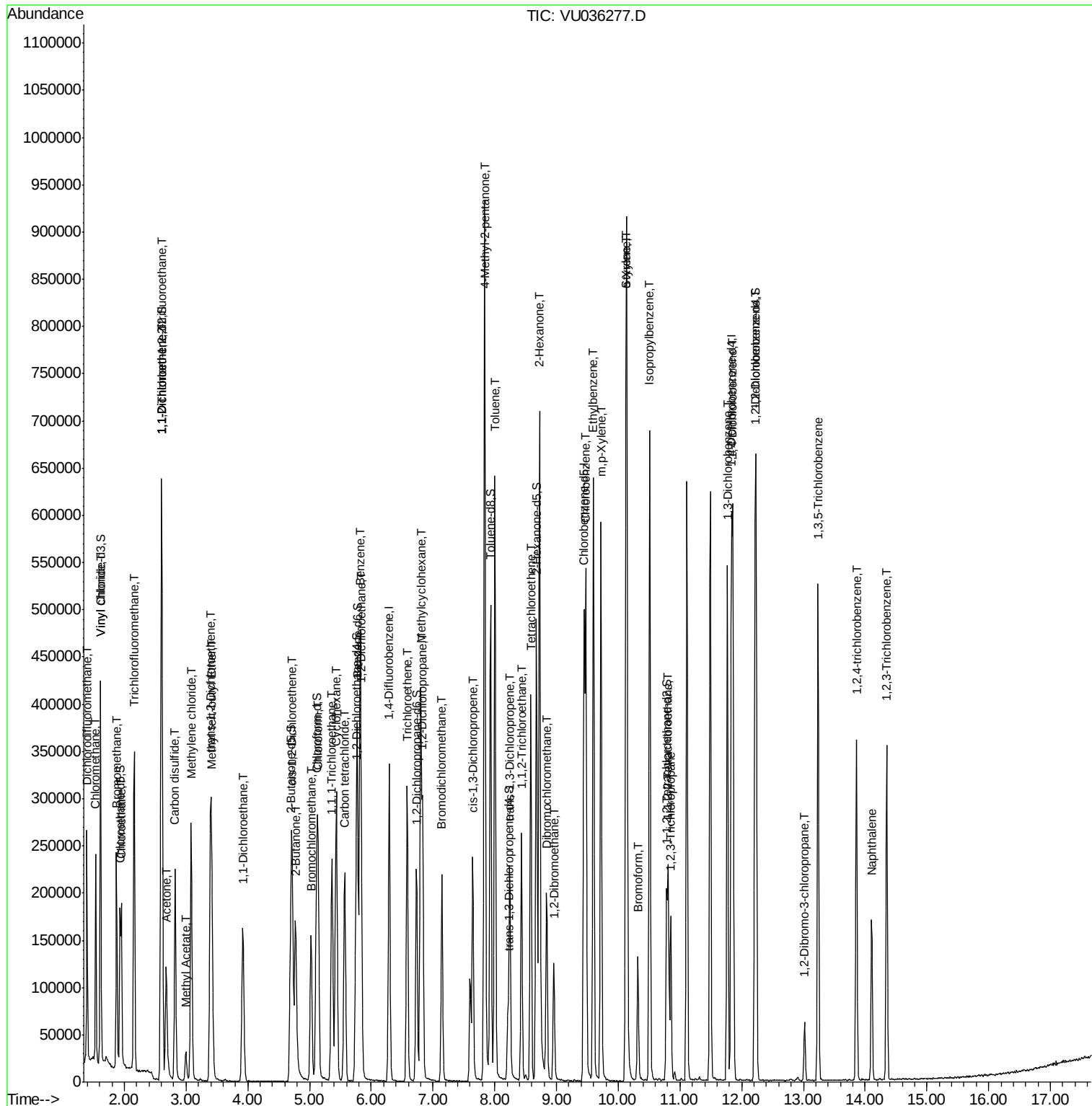
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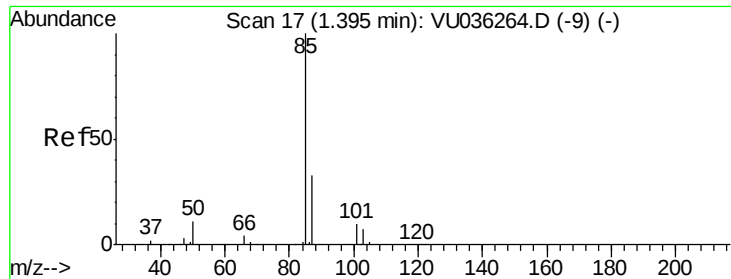
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	52403	4.795	ug/L	97
25) Chloroform	5.14	83	201197	4.784	ug/L	96
27) 1,2-Dichloroethane	5.84	62	126815	5.084	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	171069	4.890	ug/L	100
30) Cyclohexane	5.43	56	135560	4.555	ug/L	97
31) Carbon tetrachloride	5.57	117	154218	4.835	ug/L	99
33) Benzene	5.82	78	419906	4.808	ug/L	100
34) Trichloroethene	6.58	95	105343	4.679	ug/L	98
35) Methylcyclohexane	6.80	83	146094	4.564	ug/L	98
37) 1,2-Dichloropropane	6.83	63	106365	4.774	ug/L	98
38) Bromodichloromethane	7.14	83	143314	4.942	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	135738	4.472	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	588687	50.514	ug/L	99
42) Toluene	8.00	91	458663	4.900	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	124878	4.898	ug/L	93
45) 1,1,2-Trichloroethane	8.43	97	82237	4.926	ug/L	93
47) Tetrachloroethene	8.58	164	97050	4.773	ug/L	97
48) 2-Hexanone	8.73	43	447764	51.484	ug/L	99
49) Dibromochloromethane	8.84	129	103980	5.039	ug/L	100
50) 1,2-Dibromoethane	8.96	107	77042	4.838	ug/L	97
51) Chlorobenzene	9.47	112	285580	4.620	ug/L	99
52) Ethylbenzene	9.60	91	433513	4.611	ug/L	99
53) m,p-Xylene	9.72	106	173204	4.781	ug/L	97
54) o-Xylene	10.13	106	164997	4.723	ug/L	94
55) Styrene	10.14	104	293865	4.753	ug/L	97
56) Isopropylbenzene	10.51	105	425294	4.740	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	106123	4.993	ug/L	96
59) 1,2,3-Trichloropropane	10.85	75	74821	5.053	ug/L	98
61) Bromoform	10.32	173	63885	4.835	ug/L	97
62) 1,3-Dichlorobenzene	11.77	146	236469	4.605	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	236336	4.640	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	221316	4.523	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	15678	4.824	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	174593	4.537	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	114913	4.546	ug/L	98
69) Naphthalene	14.10	128	134973	4.197	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	112378	4.597	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 4.592 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036277.D

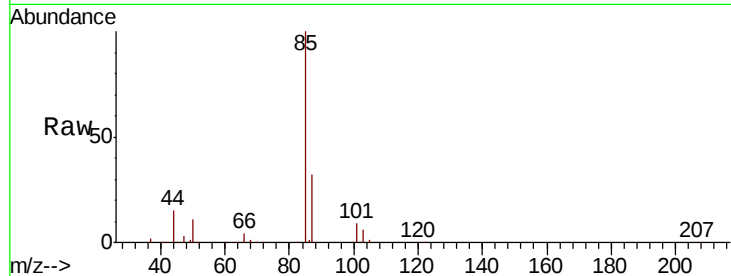
Acq: 18 Dec 2019 16:57

Tot Ion: 85 Resp: 138922

Ion Ratio Lower Upper

85 100

87 32.6 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU036264.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036264.D (-9) (-)

1.39

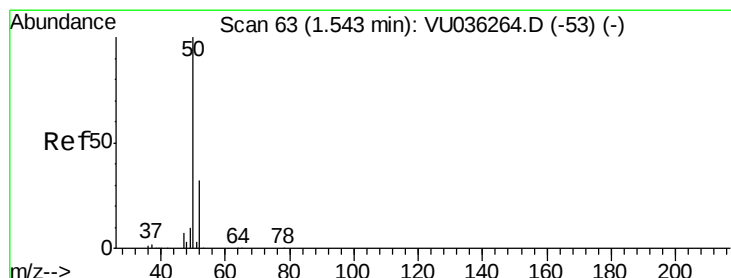
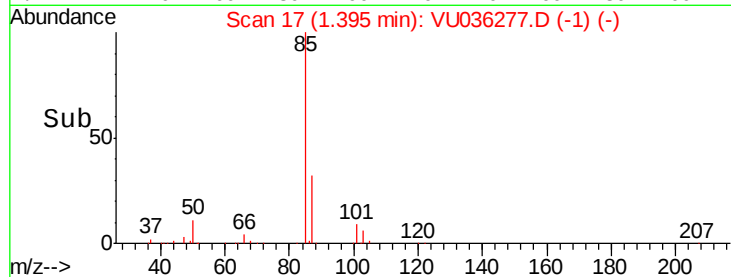
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 3.992 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.01 min

Lab File: VU036277.D

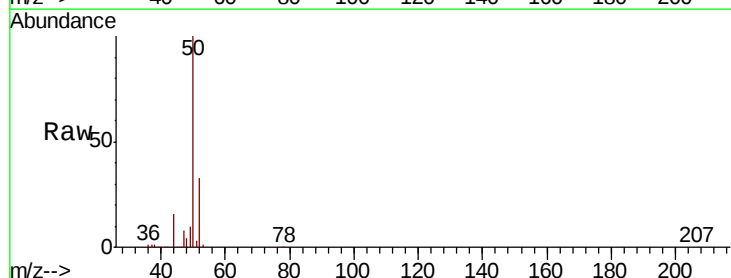
Acq: 18 Dec 2019 16:57

Tgt Ion: 50 Resp: 151508

Ion Ratio Lower Upper

50 100

52 32.8 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU036264.D (-53) (-)

Ion 52.05 (51.75 to 52.75): VU036264.D (-53) (-)

1.54

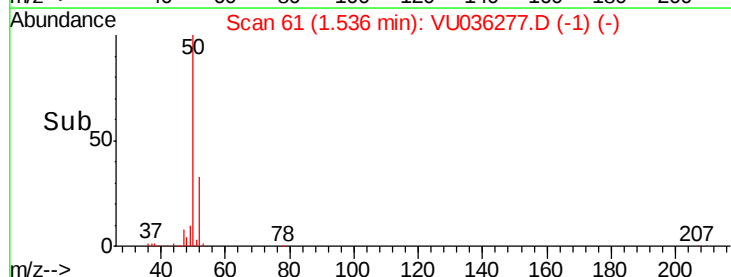
150000

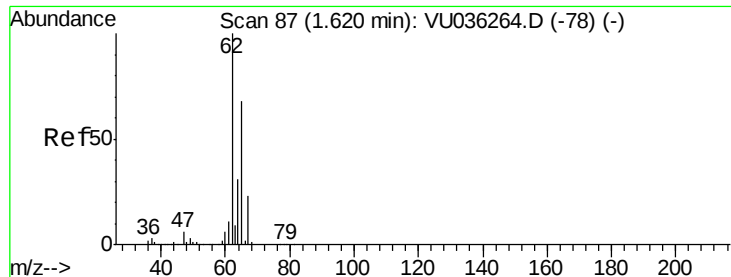
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.500 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036277.D

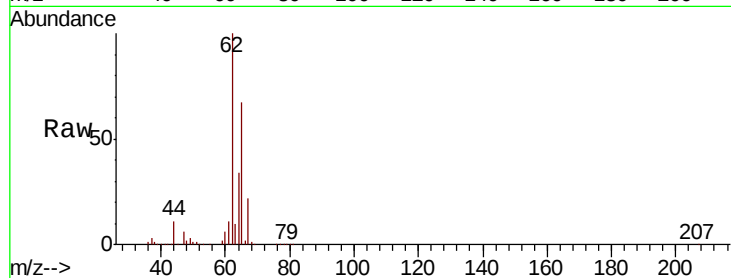
Acq: 18 Dec 2019 16:57

Tot Ion: 62 Resp: 162068

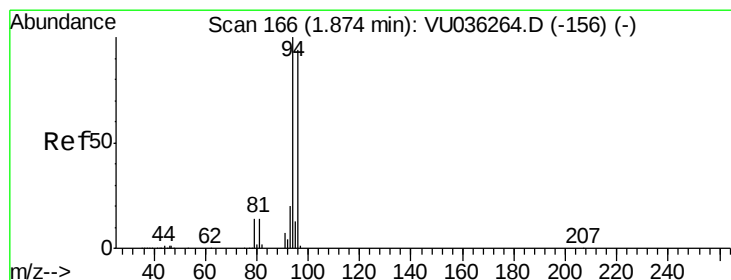
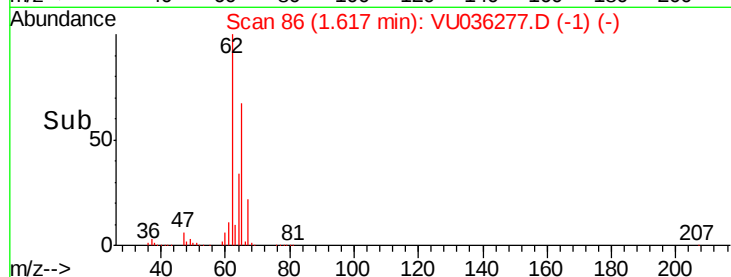
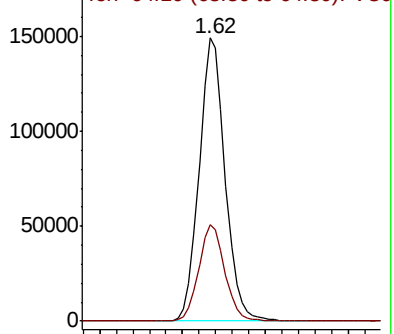
Ion Ratio Lower Upper

62 100

64 34.2 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU036277.D (-1) (-)



#6

Bromomethane

Concen: 5.756 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU036277.D

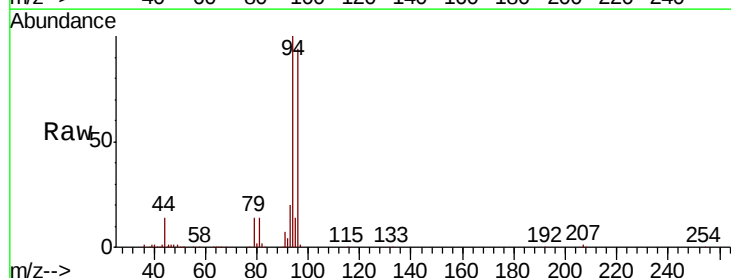
Acq: 18 Dec 2019 16:57

Tgt Ion: 94 Resp: 103578

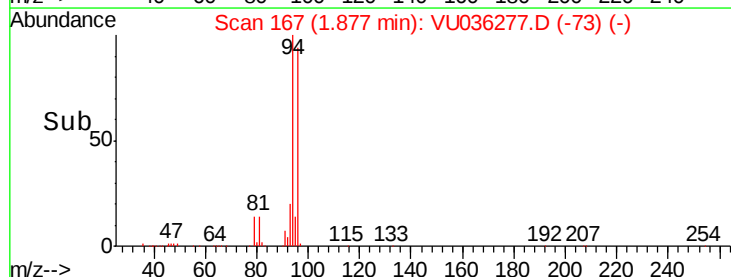
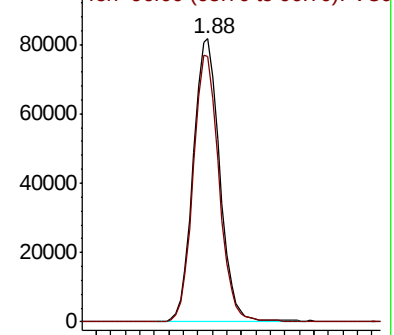
Ion Ratio Lower Upper

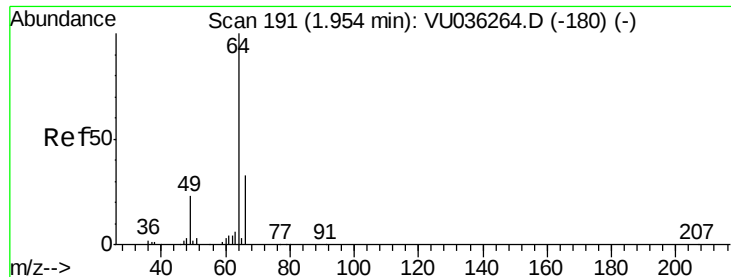
94 100

96 93.8 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU036277.D (-73) (-)





#8

Chloroethane

Concen: 4.646 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036277.D

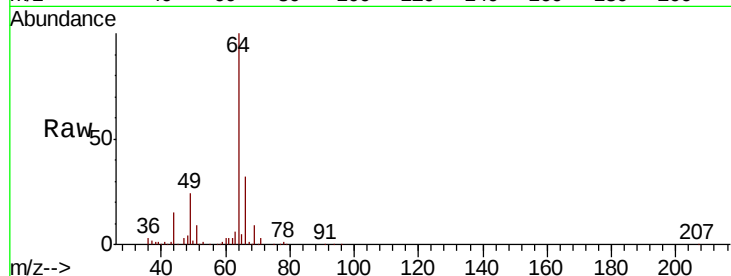
Acq: 18 Dec 2019 16:57

Tot Ion: 64 Resp: 99919

Ion Ratio Lower Upper

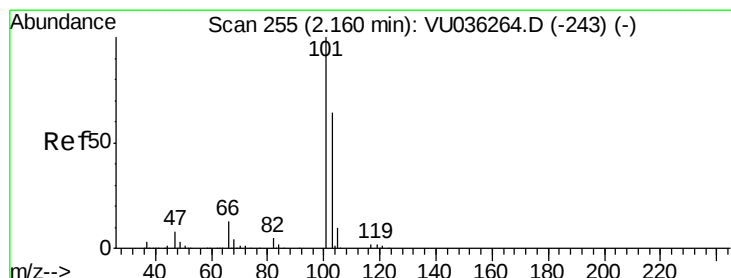
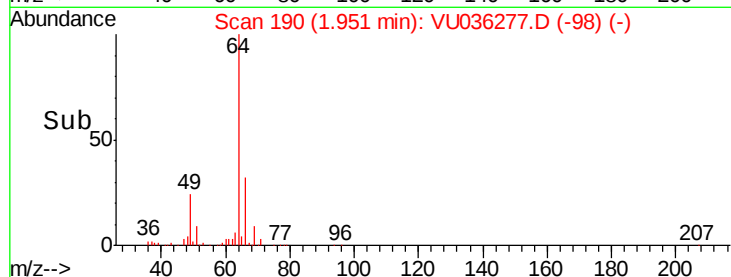
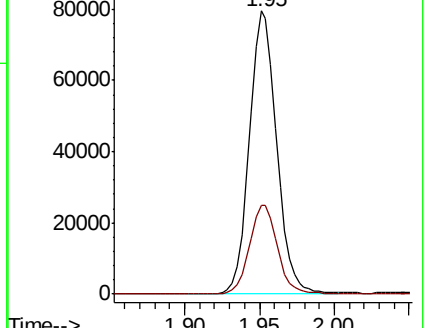
64 100

66 31.6 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU036264.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU036264.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 4.800 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU036277.D

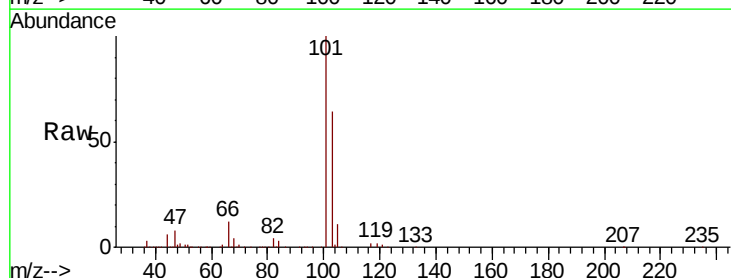
Acq: 18 Dec 2019 16:57

Tgt Ion: 101 Resp: 217858

Ion Ratio Lower Upper

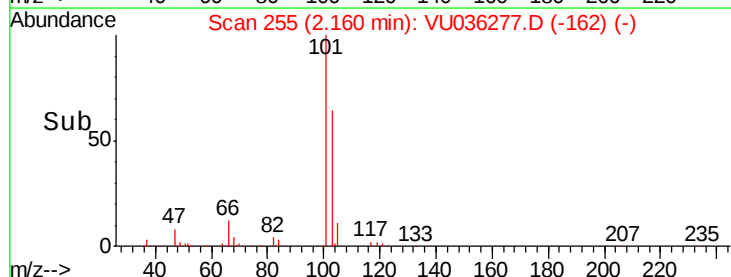
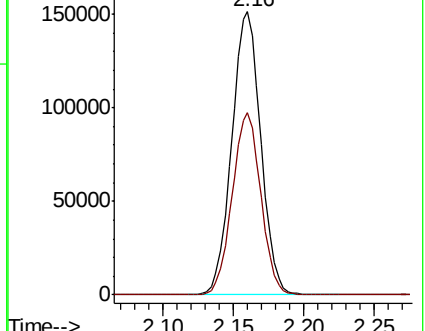
101 100

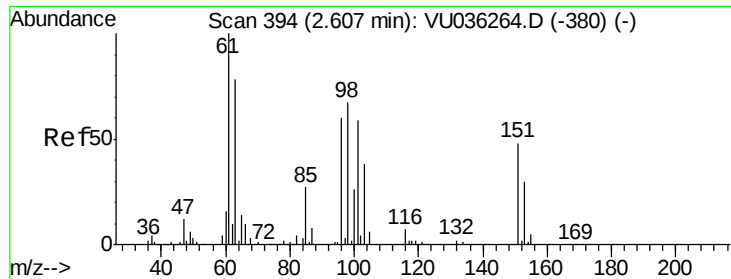
103 63.4 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): VU036264.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036264.D (-243) (-)





#10

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

Concen: 4.776 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

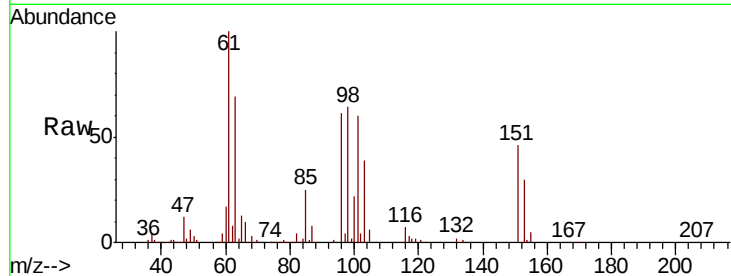
Tot Ion:101 Resp: 103854

Ion Ratio Lower Upper

101 100

85 43.3 35.0 52.6

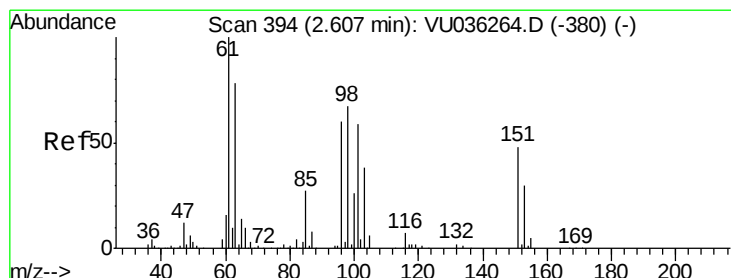
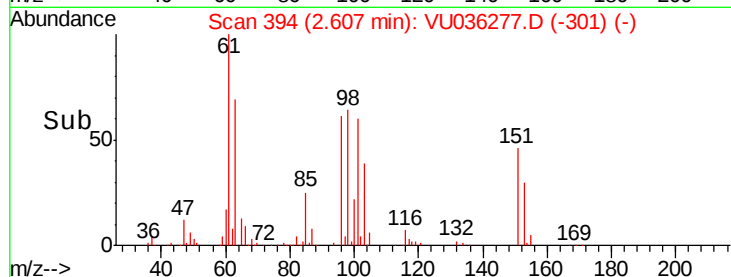
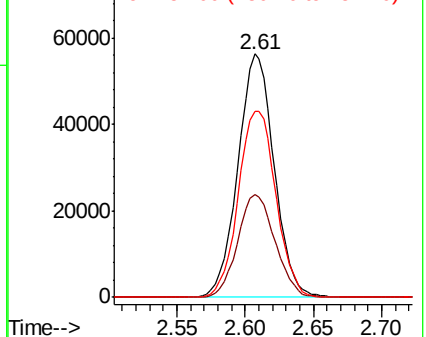
151 79.2 63.9 95.9



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: 4.640 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

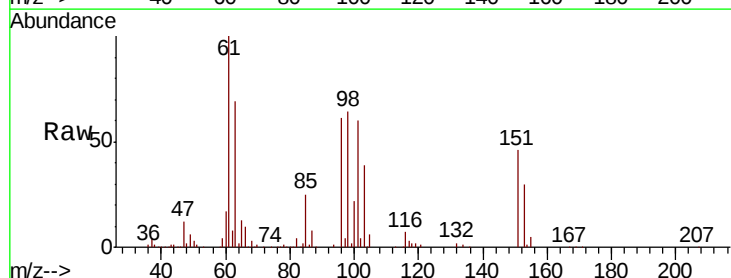
Tgt Ion: 96 Resp: 93303

Ion Ratio Lower Upper

96 100

61 163.2 114.0 211.8

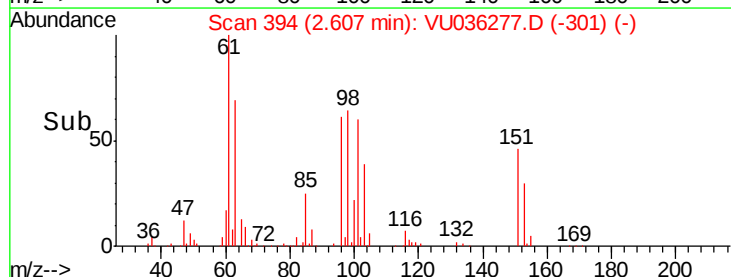
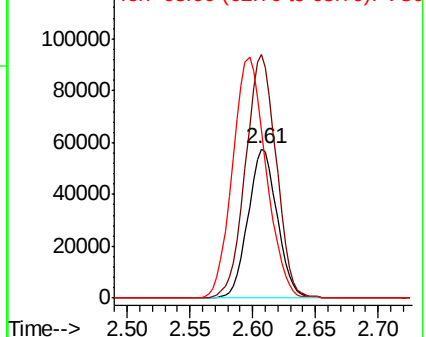
63 112.6 63.6 118.0

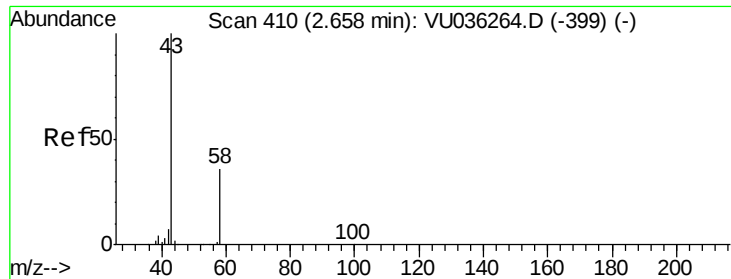


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 42.395 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.02 min

Lab File: VU036277.D

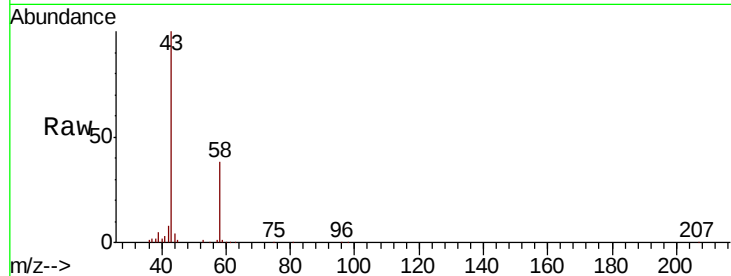
Acq: 18 Dec 2019 16:57

Tot Ion: 43 Resp: 165210

Ion Ratio Lower Upper

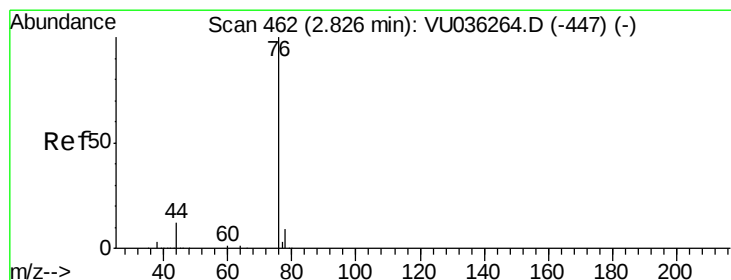
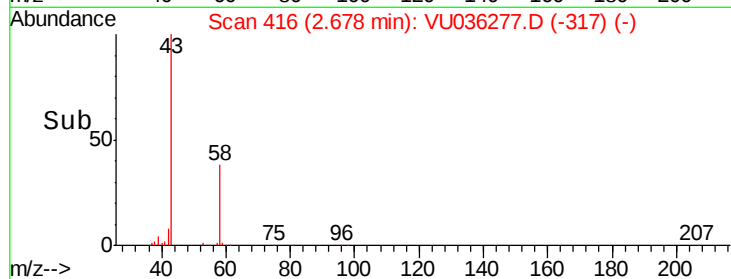
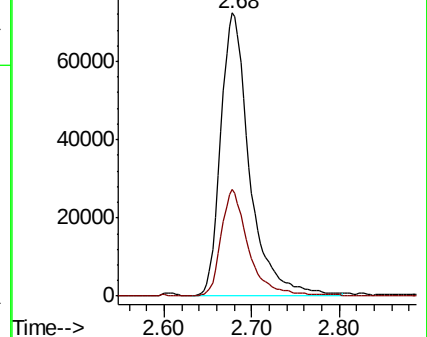
43 100

58 36.1 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036277.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU036277.D (-317) (-)



#14

Carbon disulfide

Concen: 4.510 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036277.D

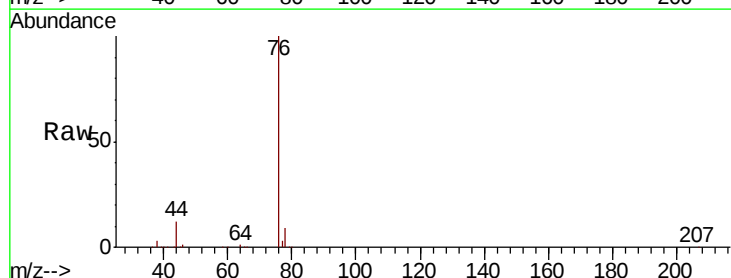
Acq: 18 Dec 2019 16:57

Tgt Ion: 76 Resp: 304292

Ion Ratio Lower Upper

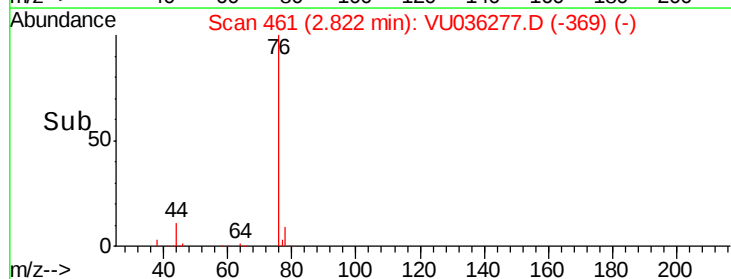
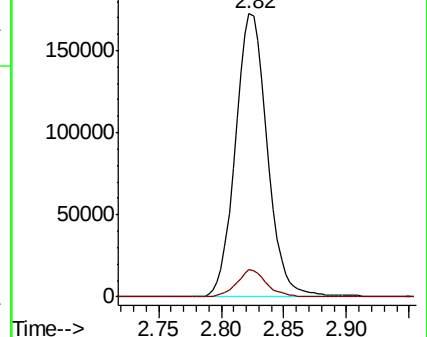
76 100

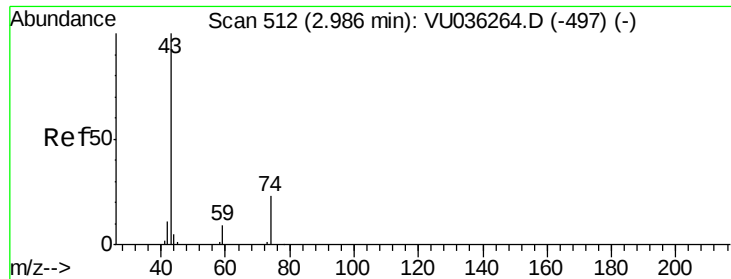
78 9.5 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU036277.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VU036277.D (-369) (-)





#15

Methyl Acetate

Concen: 4.867 ug/L

RT: 3.00 min Scan# 515

Delta R.T. 0.01 min

Lab File: VU036277.D

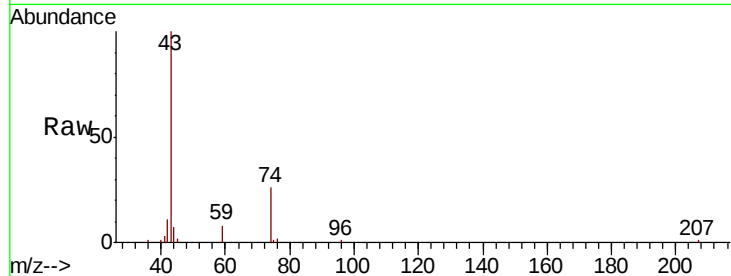
Acq: 18 Dec 2019 16:57

Tot Ion: 43 Resp: 38318

Ion Ratio Lower Upper

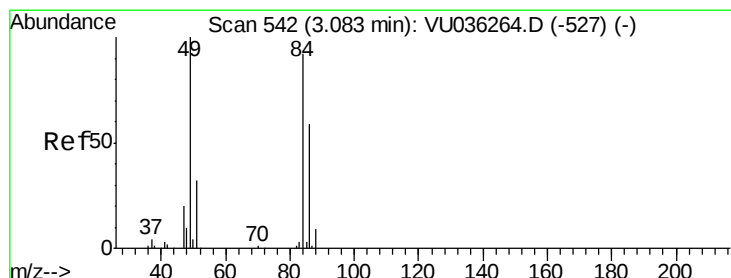
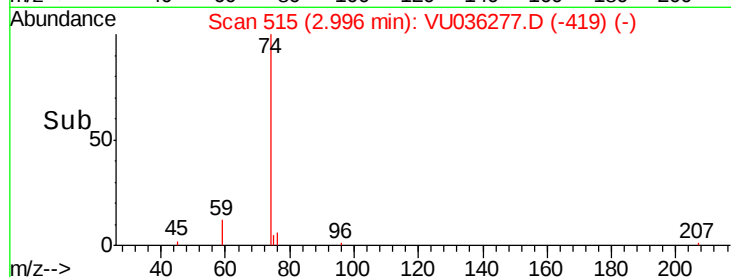
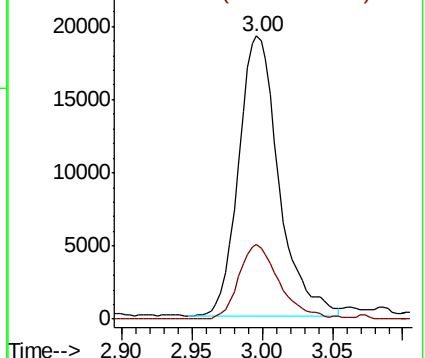
43 100

74 27.0 20.8 31.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.584 ug/L

RT: 3.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

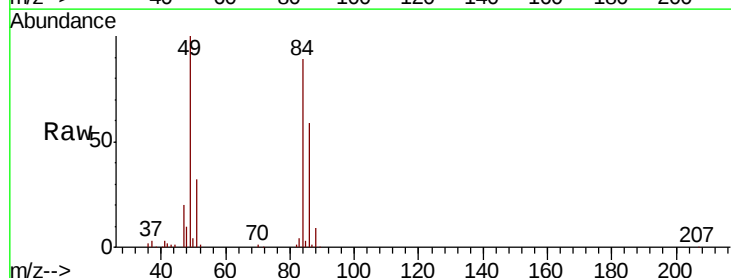
Tgt Ion: 84 Resp: 135495

Ion Ratio Lower Upper

84 100

86 66.0 43.0 79.8

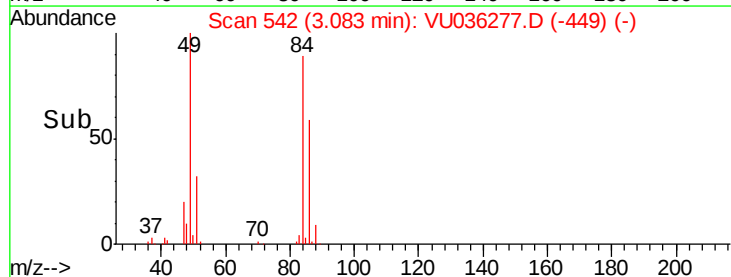
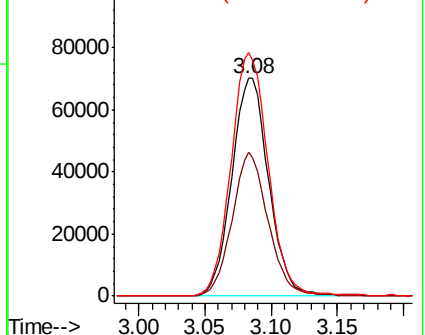
49 111.8 77.3 143.5

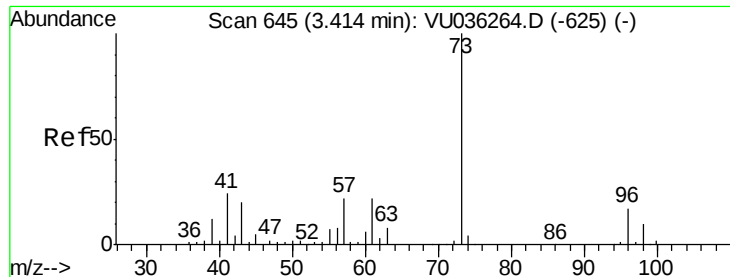


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

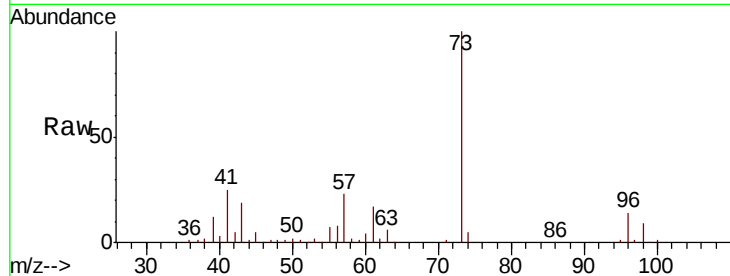
Ion 49.10 (48.80 to 49.80): VU0



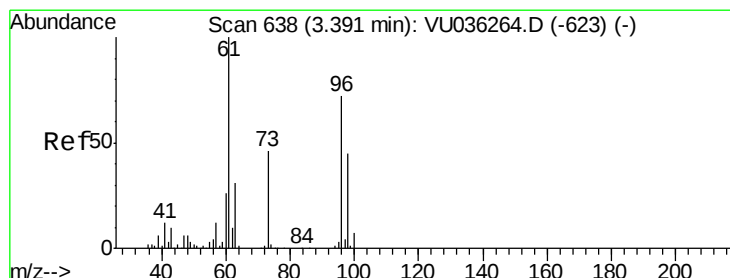
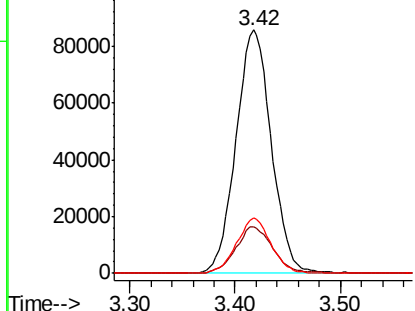
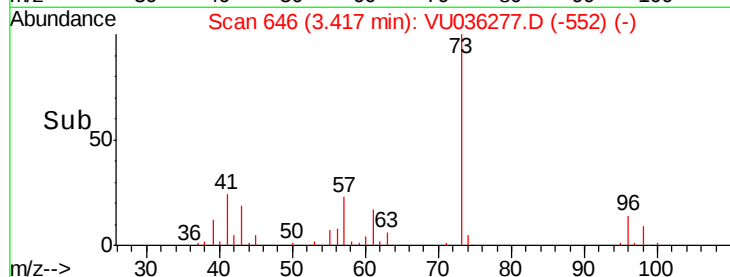


#17
Methvl tert-butvl Ether
Concen: 4.631 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU036277.D
Acq: 18 Dec 2019 16:57

Tot Ion: 73 Resp: 199549
Ion Ratio Lower Upper
73 100
43 19.7 15.3 22.9
57 21.9 18.2 27.2

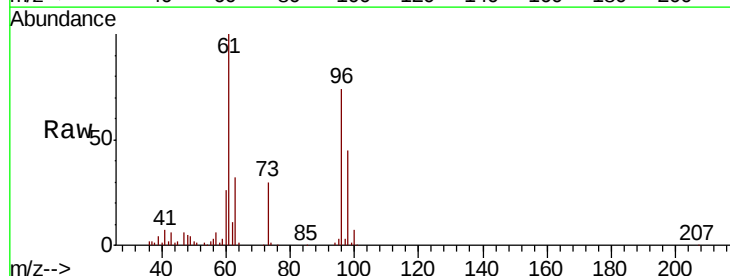


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

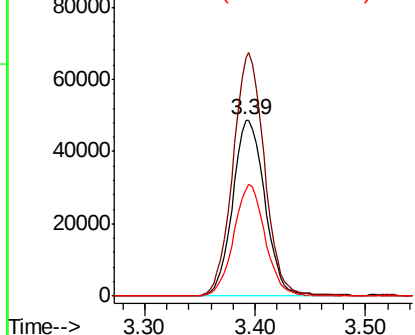
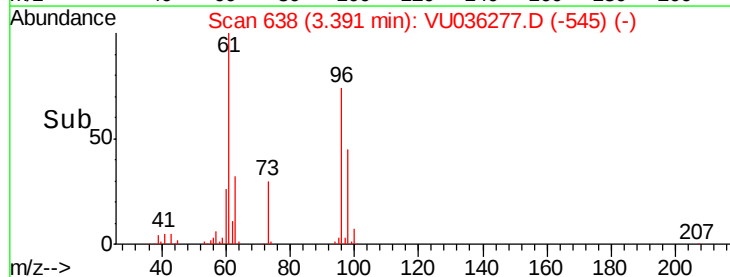


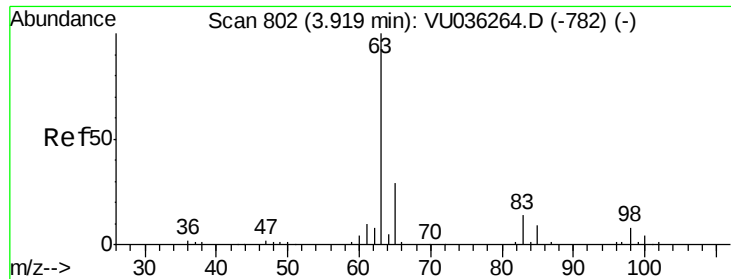
#18
trans-1,2-Dichloroethene
Concen: 4.701 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU036277.D
Acq: 18 Dec 2019 16:57

Tgt Ion: 96 Resp: 99005
Ion Ratio Lower Upper
96 100
61 135.7 94.8 176.2
98 60.9 46.8 86.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.769 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

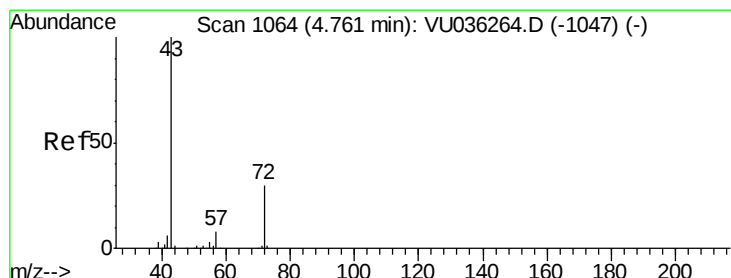
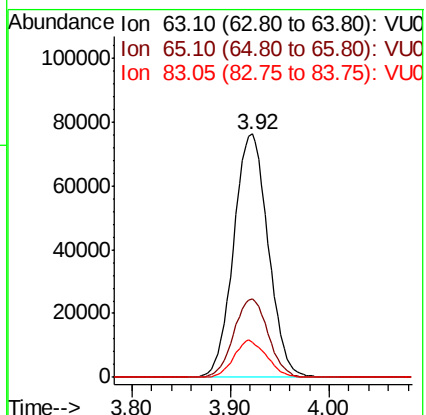
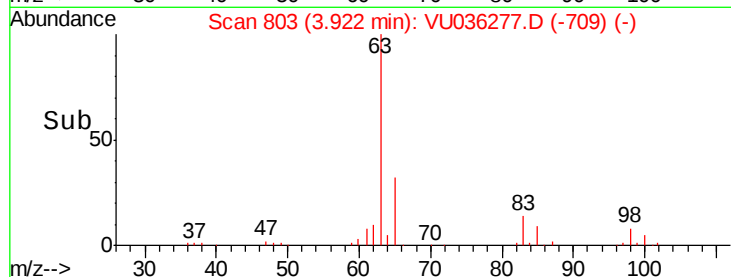
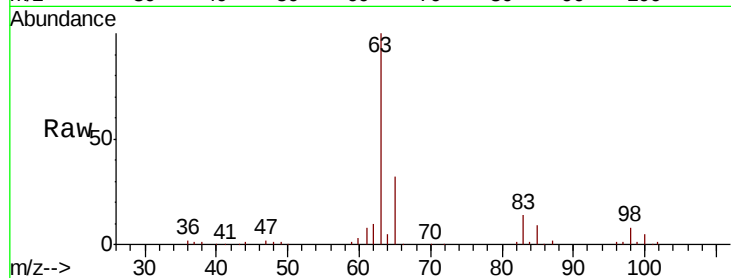
Tot Ion: 63 Resp: 185399

Ion Ratio Lower Upper

63 100

65 32.0 22.6 42.0

83 14.4 9.7 18.1



#21

2-Butanone

Concen: 47.107 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VU036277.D

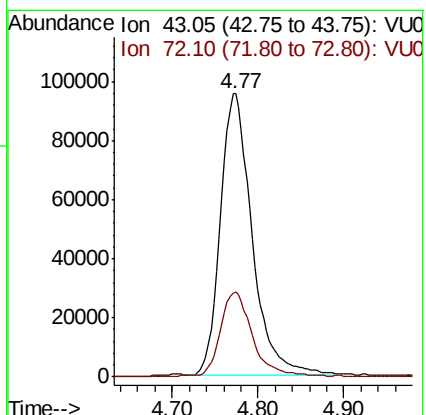
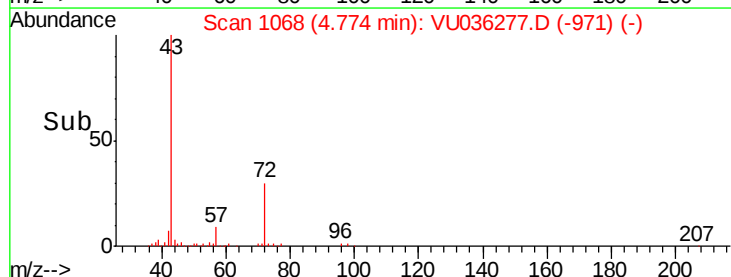
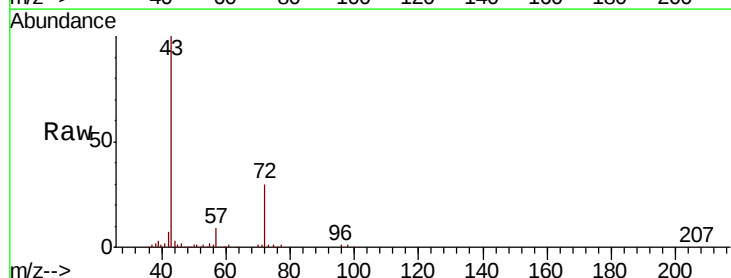
Acq: 18 Dec 2019 16:57

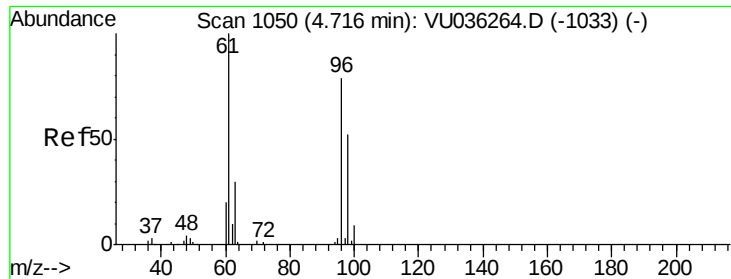
Tgt Ion: 43 Resp: 245302

Ion Ratio Lower Upper

43 100

72 30.9 14.4 43.4





#22

cis-1,2-Dichloroethene

Concen: 4.692 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

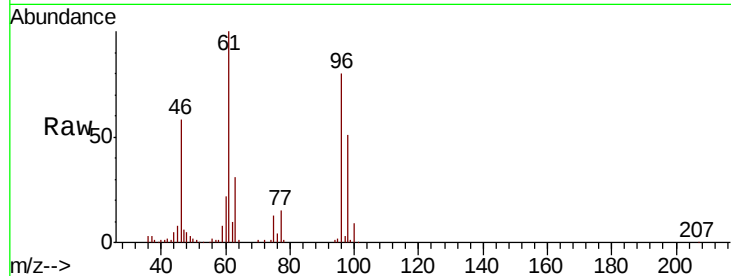
Tot Ion: 96 Resp: 105992

Ion Ratio Lower Upper

96 100

61 124.4 86.7 161.1

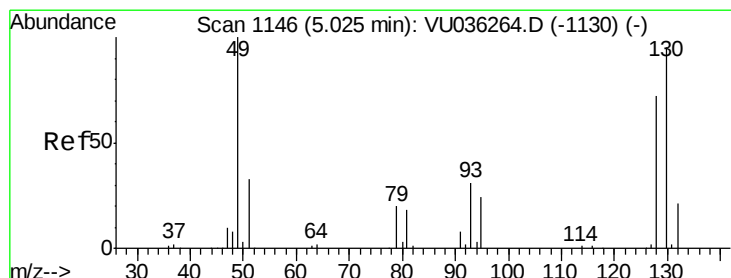
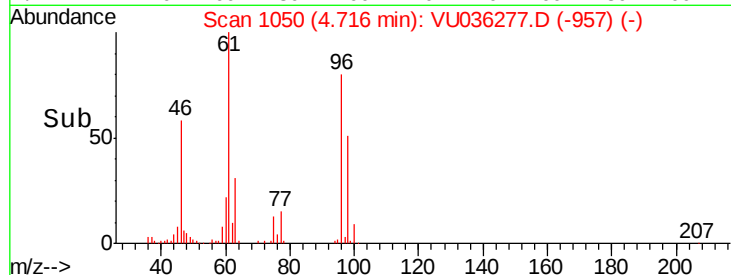
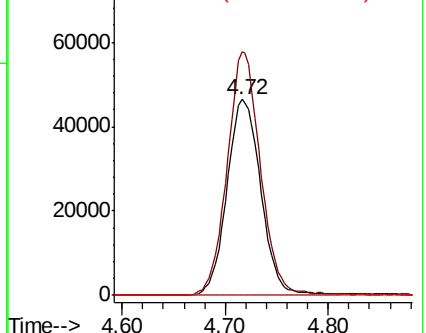
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036277.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036277.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036277.D (-957) (-)



#23

Bromochloromethane

Concen: 4.795 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

Tgt Ion: 128 Resp: 52403

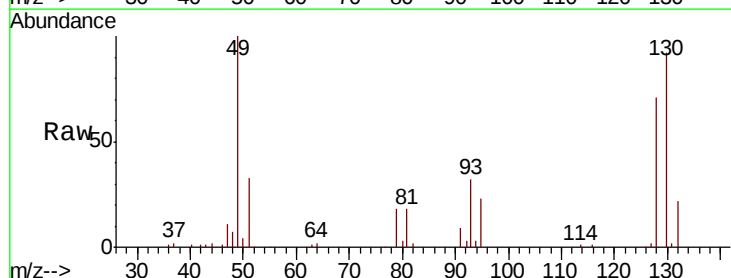
Ion Ratio Lower Upper

128 100

49 140.3 97.6 181.4

130 128.7 85.9 159.5

51 46.7 37.0 55.4

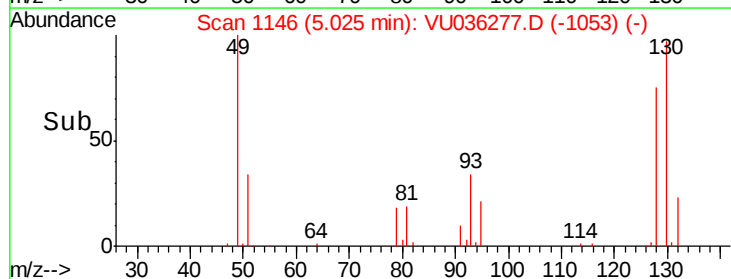
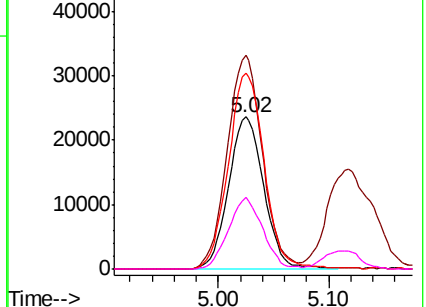


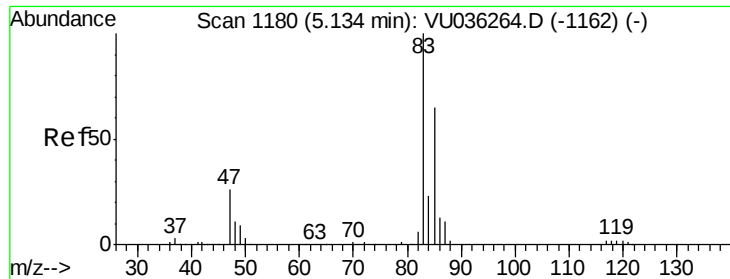
Abundance Ion 127.90 (127.60 to 128.60): VU036277.D (-1053) (-)

Ion 49.10 (48.80 to 49.80): VU036277.D (-1053) (-)

Ion 129.95 (129.65 to 130.65): VU036277.D (-1053) (-)

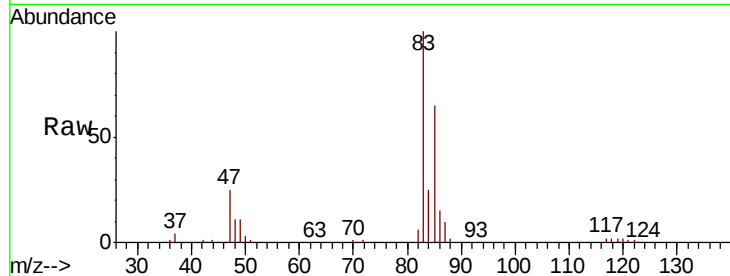
Ion 51.05 (50.75 to 51.75): VU036277.D (-1053) (-)



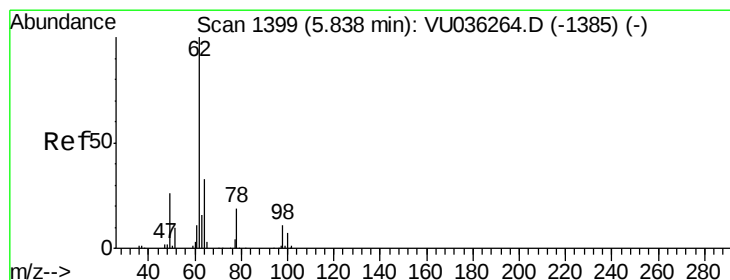
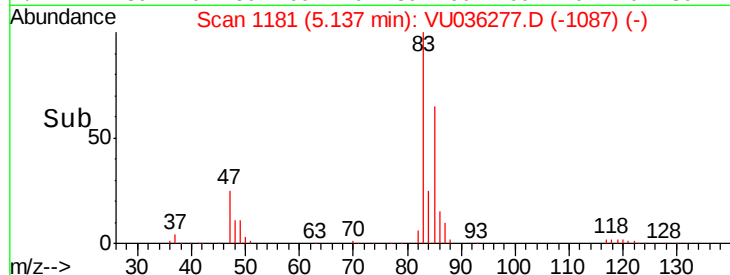
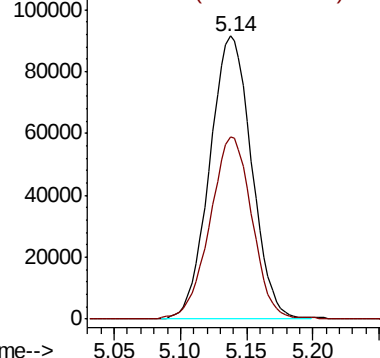


#25
Chloroform
Concen: 4.784 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036277.D
Acq: 18 Dec 2019 16:57

Tot Ion: 83 Resp: 201197
Ion Ratio Lower Upper
83 100
85 64.6 47.5 88.1

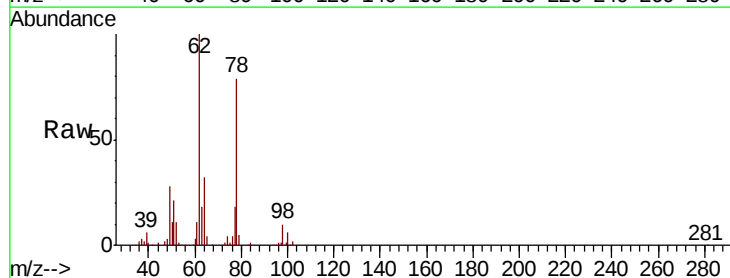


Abundance Ion 83.05 (82.75 to 83.75): VU036264.D (-1162) (-)
Ion 85.00 (84.70 to 85.70): VU036264.D (-1162) (-)

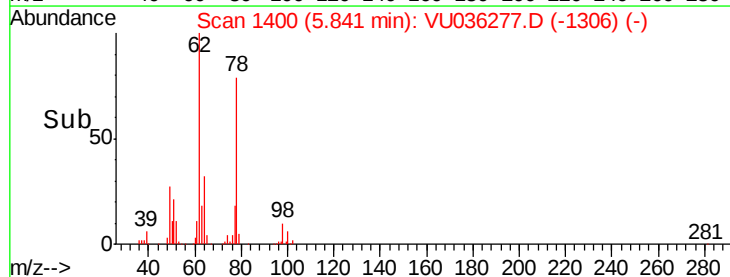
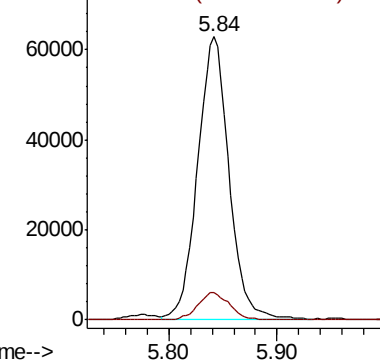


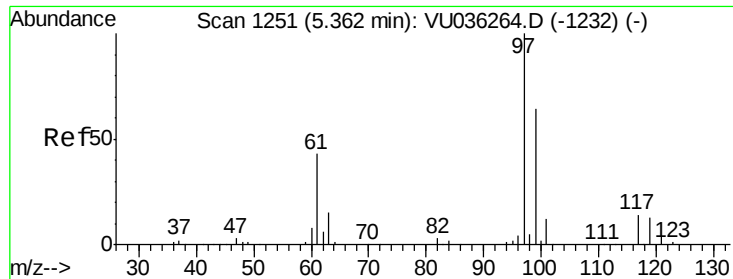
#27
1,2-Dichloroethane
Concen: 5.084 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU036277.D
Acq: 18 Dec 2019 16:57

Tgt Ion: 62 Resp: 126815
Ion Ratio Lower Upper
62 100
98 9.8 7.3 10.9



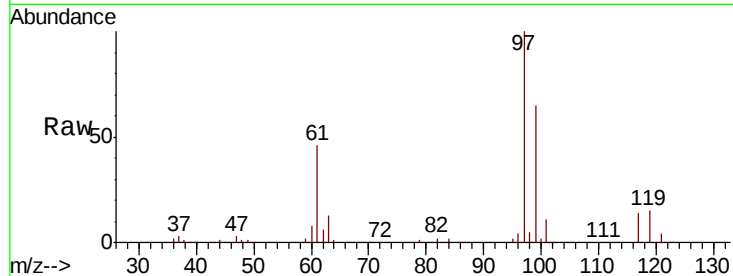
Abundance Ion 62.00 (61.70 to 62.70): VU036264.D (-1385) (-)
Ion 98.05 (97.75 to 98.75): VU036264.D (-1385) (-)



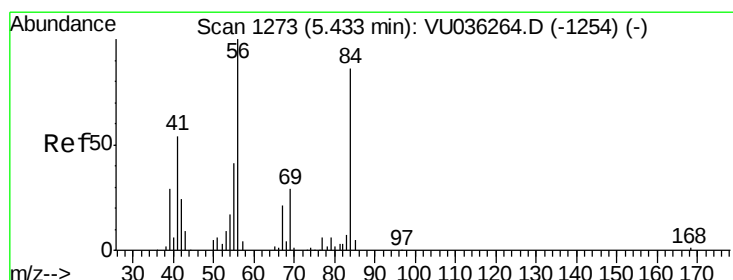
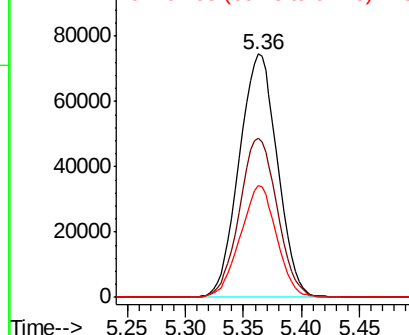
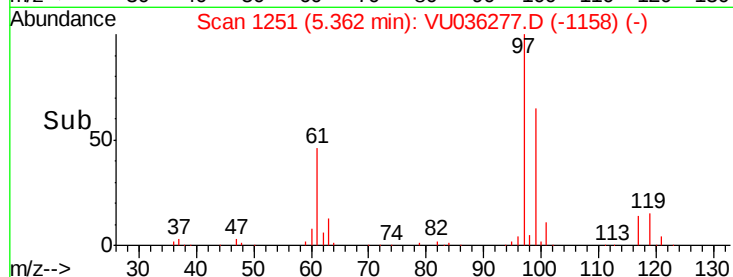


#29
 1,1,1-Trichloroethane
 Concen: 4.890 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU036277.D
 Acq: 18 Dec 2019 16:57

Tot Ion: 97 Resp: 171069
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.4 77.2
 61 43.6 35.0 52.6

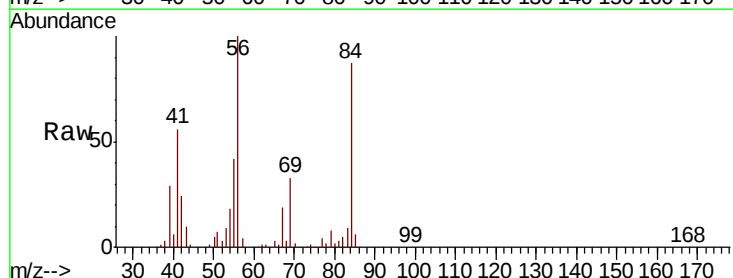


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

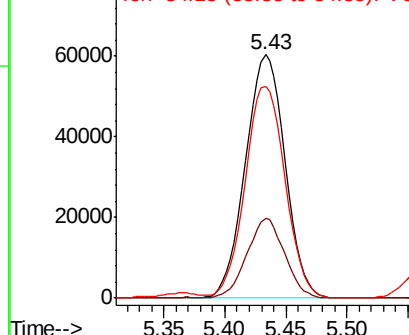
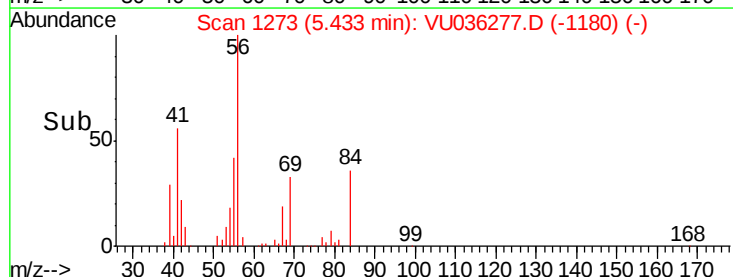


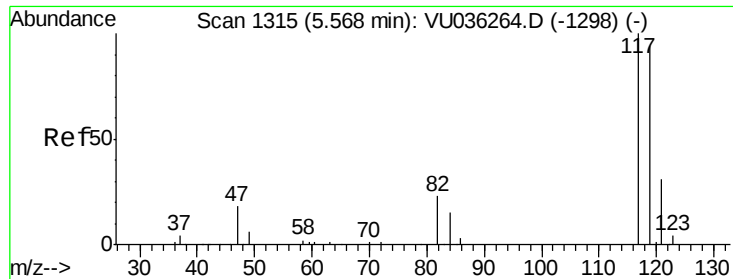
#30
 Cyclohexane
 Concen: 4.555 ug/L
 RT: 5.43 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VU036277.D
 Acq: 18 Dec 2019 16:57

Tgt Ion: 56 Resp: 135560
 Ion Ratio Lower Upper
 56 100
 69 31.0 25.6 38.4
 84 88.0 73.0 109.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.835 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU036277.D

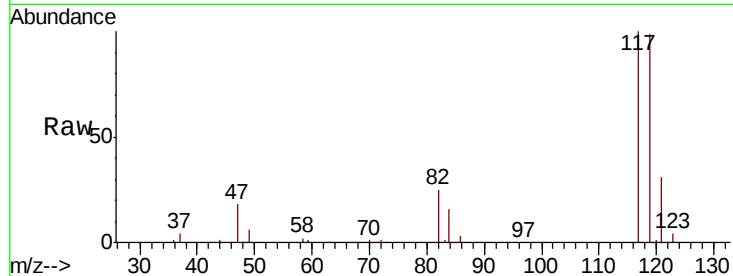
Acq: 18 Dec 2019 16:57

Tot Ion:117 Resp: 154218

Ion Ratio Lower Upper

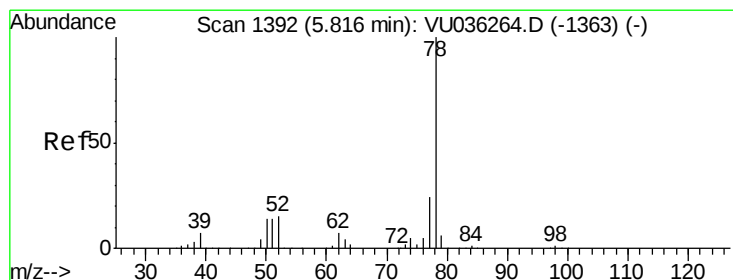
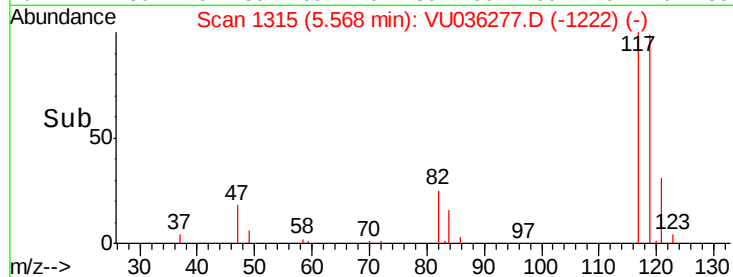
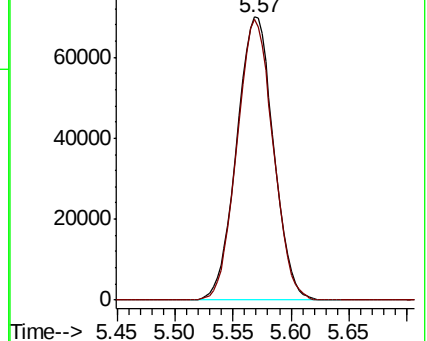
117 100

119 97.0 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.808 ug/L

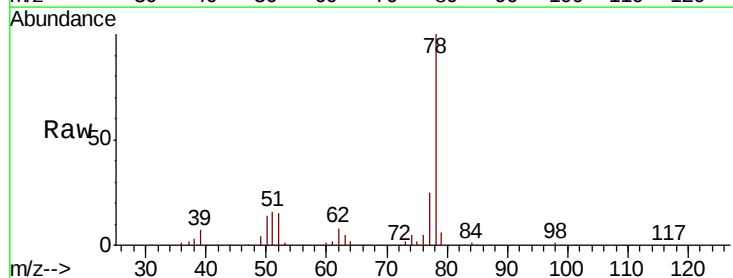
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

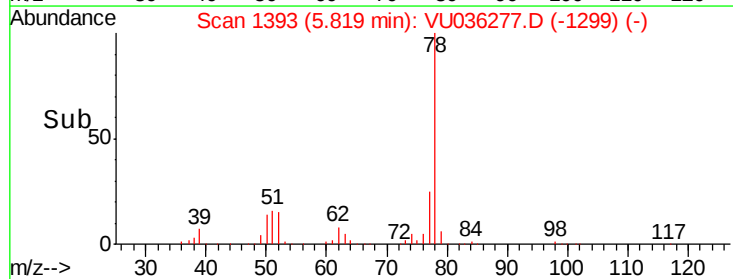
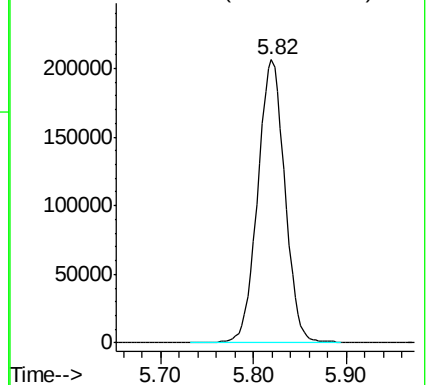
Lab File: VU036277.D

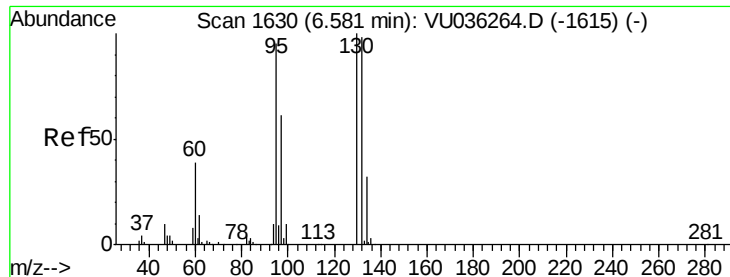
Acq: 18 Dec 2019 16:57

Tgt Ion: 78 Resp: 419906



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.679 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

Tot Ion: 95 Resp: 105343

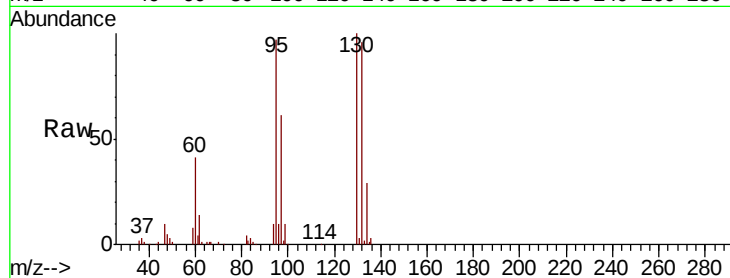
Ion Ratio Lower Upper

95 100

97 63.7 43.6 81.0

132 99.3 69.6 129.2

130 103.6 70.3 130.7

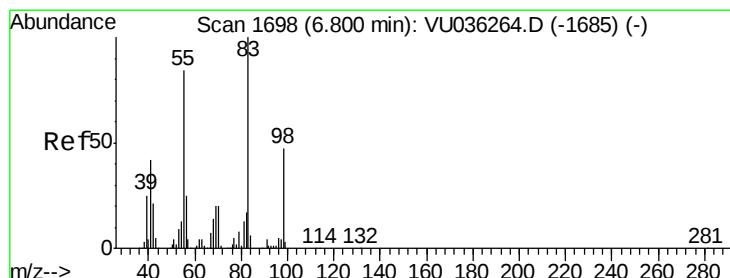
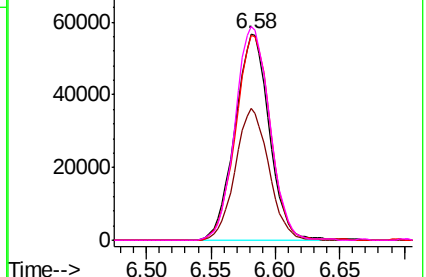
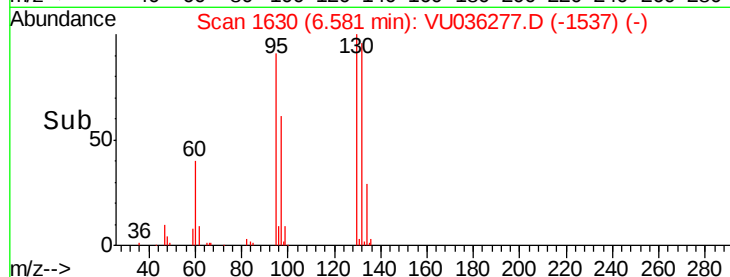


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.564 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

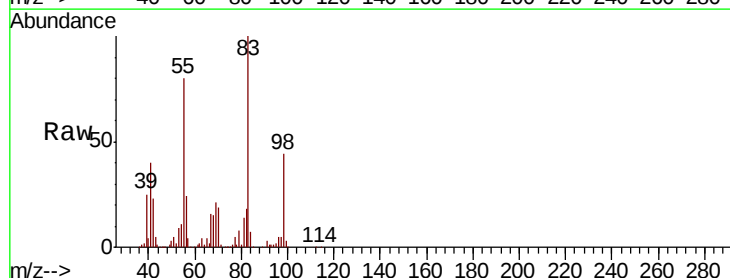
Tgt Ion: 83 Resp: 146094

Ion Ratio Lower Upper

83 100

55 80.2 62.6 94.0

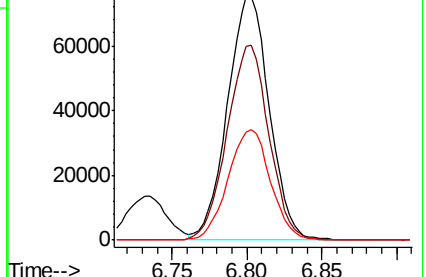
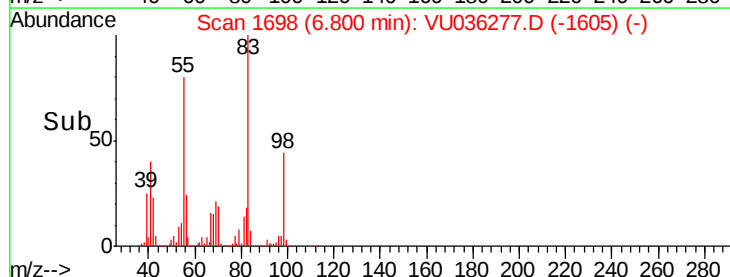
98 46.1 36.2 54.2

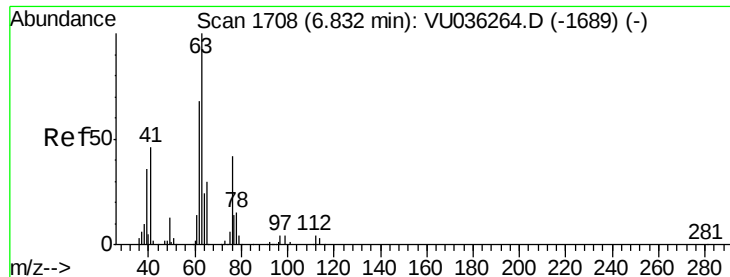


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.774 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VU036277.D

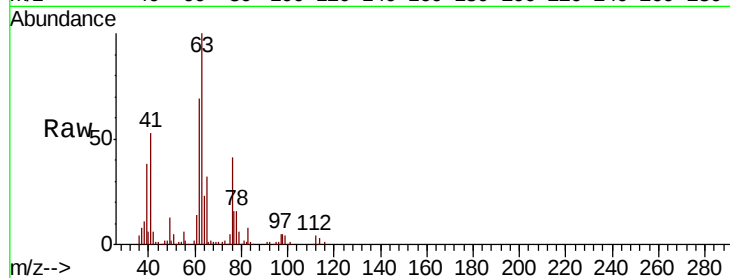
Acq: 18 Dec 2019 16:57

Tot Ion: 63 Resp: 106365

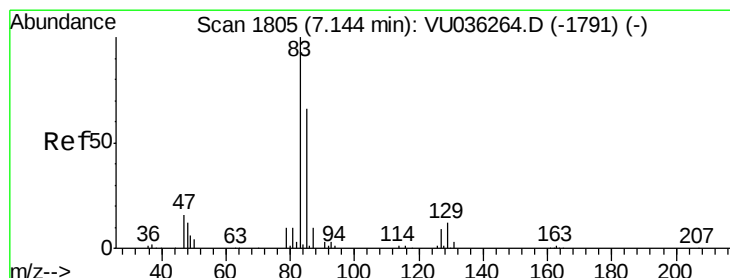
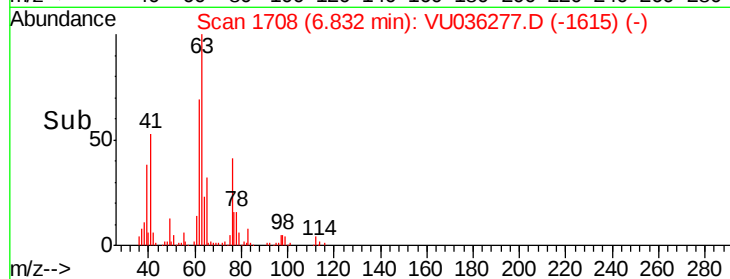
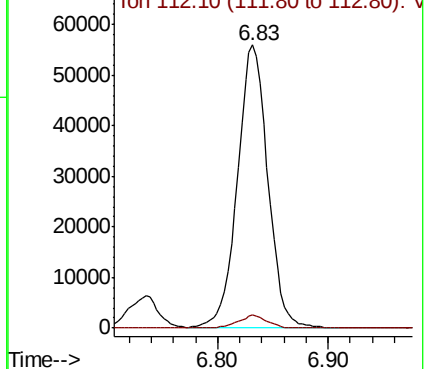
Ion Ratio Lower Upper

63 100

112 4.3 3.8 5.8



Abundance Ion 63.10 (62.80 to 63.80): VU036264.D (-1689) (-)



#38

Bromodichloromethane

Concen: 4.942 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

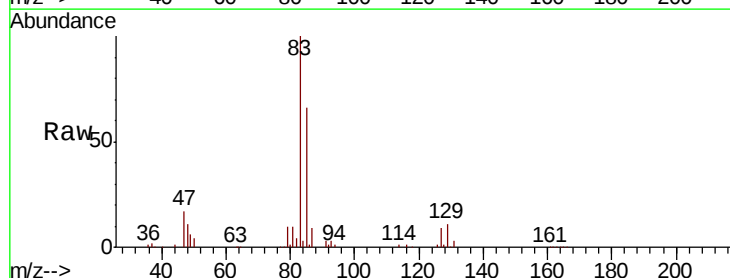
Tgt Ion: 83 Resp: 143314

Ion Ratio Lower Upper

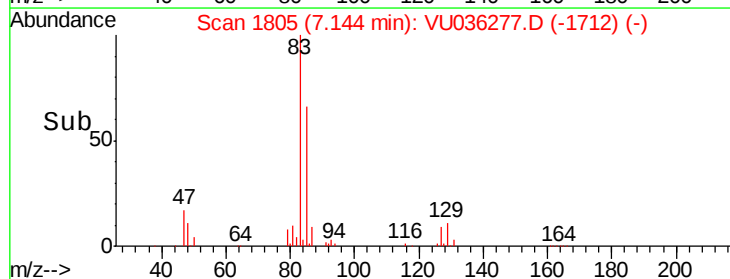
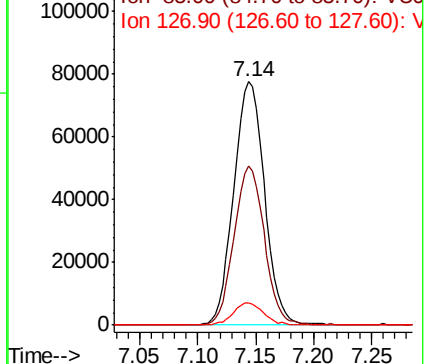
83 100

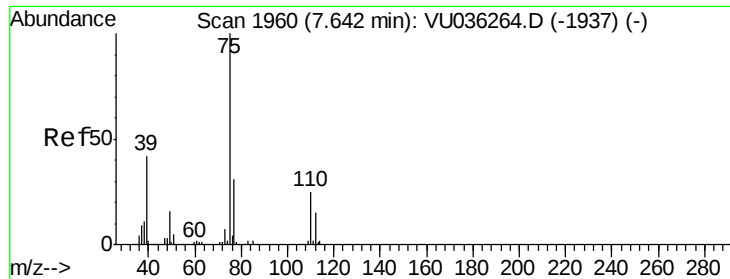
85 65.6 45.6 84.6

127 9.3 7.1 10.7



Abundance Ion 82.95 (82.65 to 83.65): VU036264.D (-1791) (-)





#39

cis-1,3-Dichloropropene

Concen: 4.472 ug/L

RT: 7.64 min Scan# 1960

Delta R.T. -0.00 min

Lab File: VU036277.D

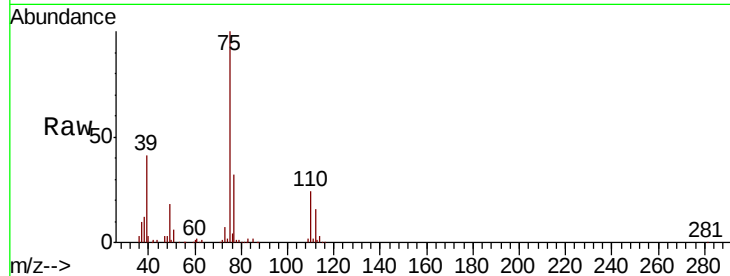
Acq: 18 Dec 2019 16:57

Tot Ion: 75 Resp: 135738

Ion Ratio Lower Upper

75 100

77 31.6 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU036264.D (-1937) (-)

Ion 77.05 (76.75 to 77.75): VU036264.D (-1937) (-)

7.64

80000

60000

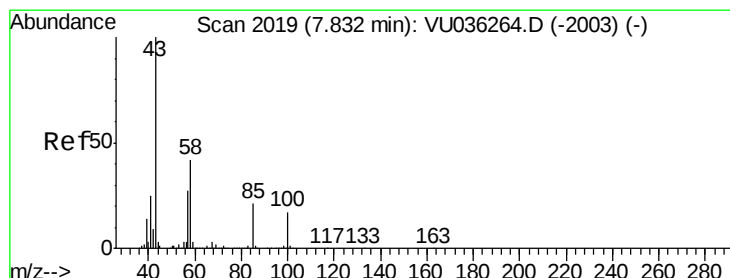
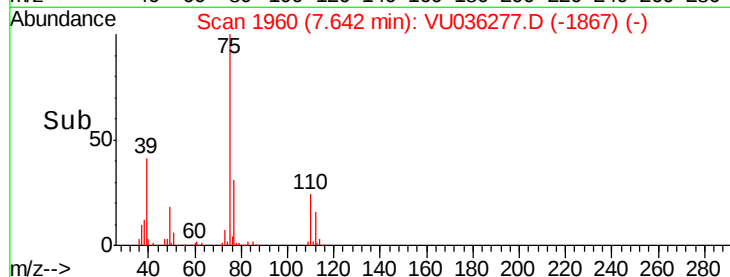
40000

20000

0

7.60 7.65 7.70 7.75

Time-->



#40

4-Methyl-2-pentanone

Concen: 50.514 ug/L

RT: 7.84 min Scan# 2020

Delta R.T. 0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

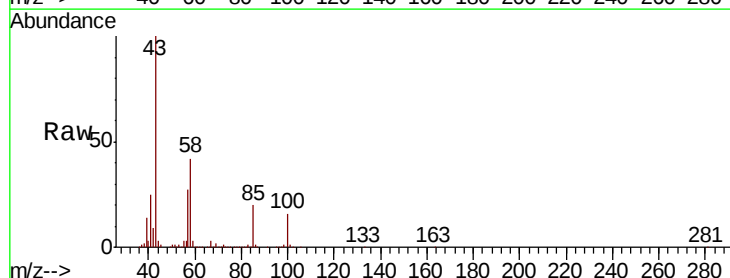
Tgt Ion: 43 Resp: 588687

Ion Ratio Lower Upper

43 100

58 41.5 33.3 49.9

100 16.4 13.7 20.5



Abundance Ion 43.05 (42.75 to 43.75): VU036264.D (-2003) (-)

Ion 58.05 (57.75 to 58.75): VU036264.D (-2003) (-)

Ion 100.15 (99.85 to 100.85): VU036264.D (-2003) (-)

7.84

400000

300000

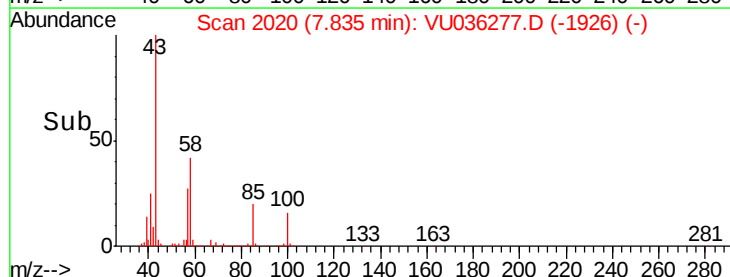
200000

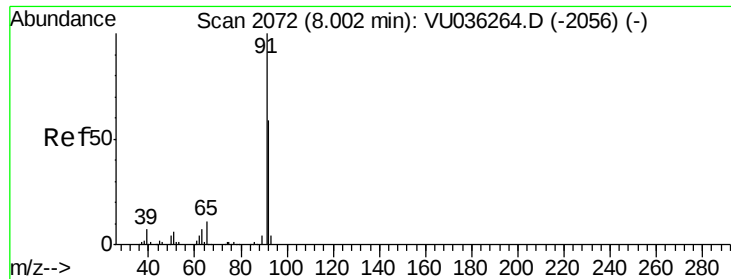
100000

0

7.70 7.80 7.90 8.00

Time-->





#42

Toluene

Concen: 4.900 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036277.D

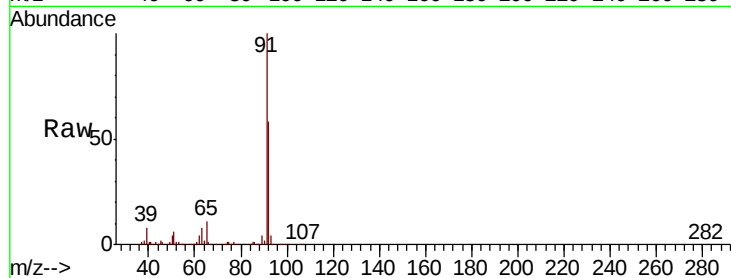
Acq: 18 Dec 2019 16:57

Tot Ion: 91 Resp: 458663

Ion Ratio Lower Upper

91 100

92 57.6 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU036264.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036264.D (-2056) (-)

8.00

250000

200000

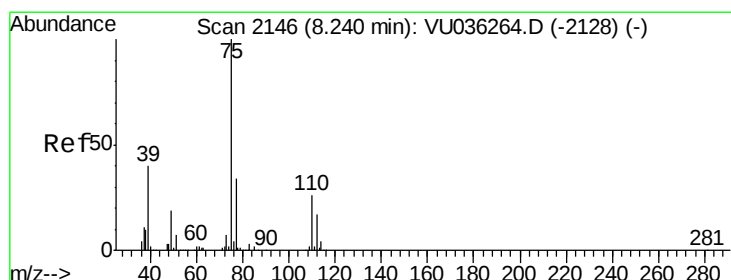
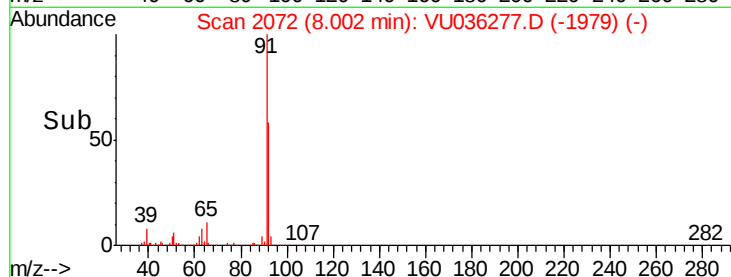
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.898 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036277.D

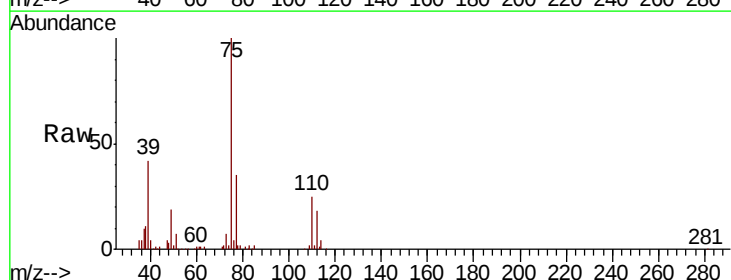
Acq: 18 Dec 2019 16:57

Tgt Ion: 75 Resp: 124878

Ion Ratio Lower Upper

75 100

77 35.3 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU036264.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU036264.D (-2128) (-)

80000

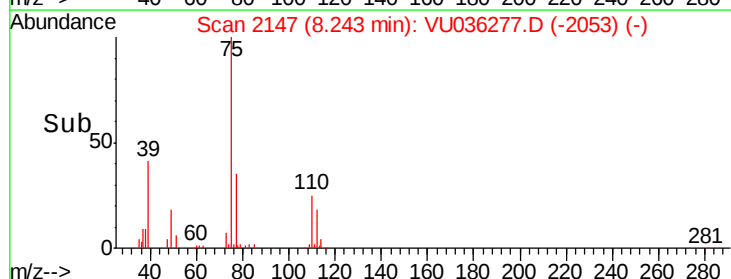
60000

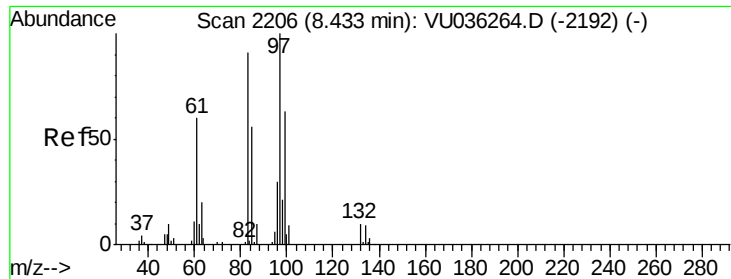
40000

20000

0

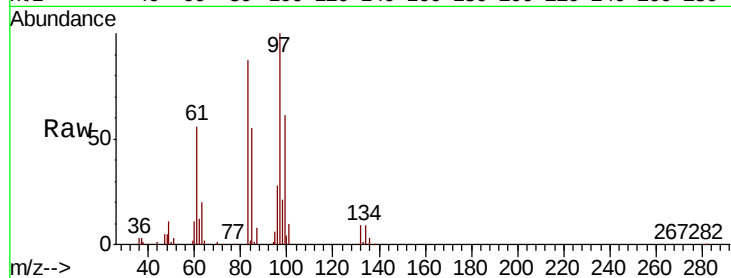
Time-->



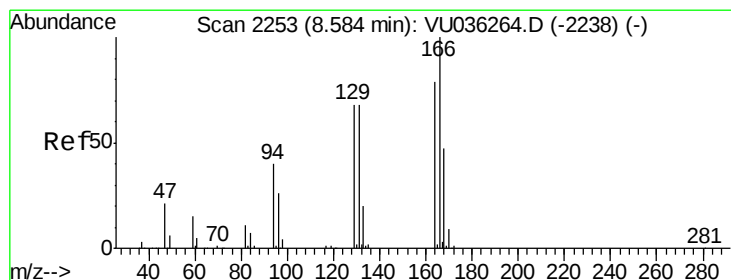
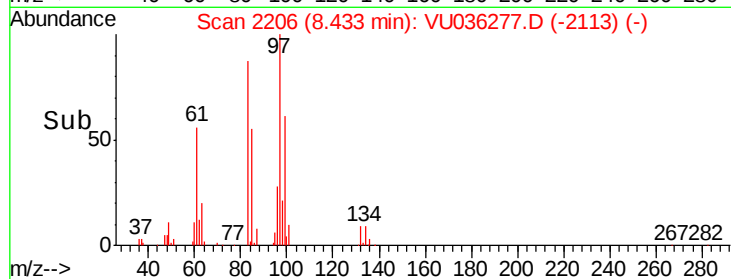
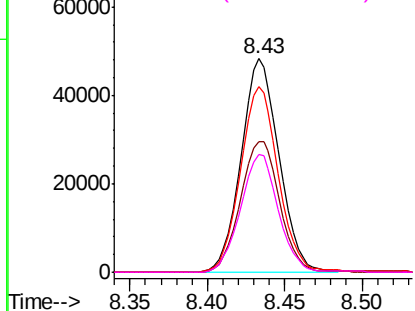


#45
 1,1,2-Trichloroethane
 Concen: 4.926 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU036277.D
 Acq: 18 Dec 2019 16:57

Tot Ion:	97	Resp:	82237
Ion	Ratio	Lower	Upper
97	100		
99	61.2	46.1	85.5
83	86.9	65.9	122.3
85	55.2	43.1	80.1

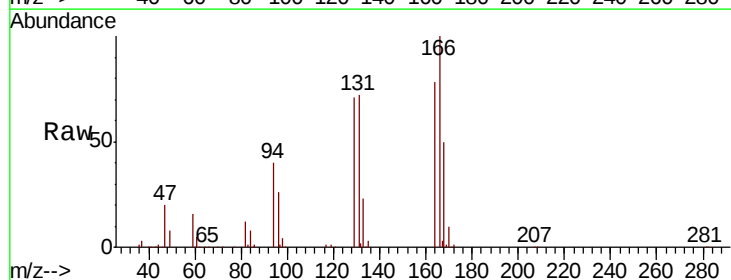


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

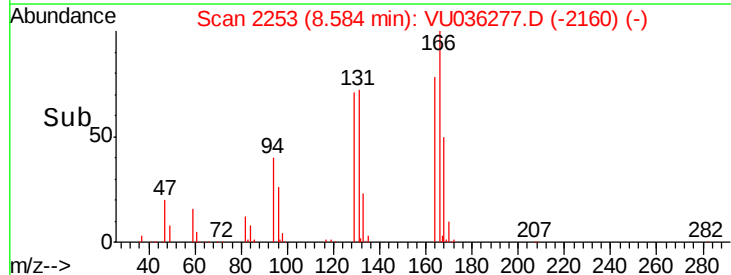
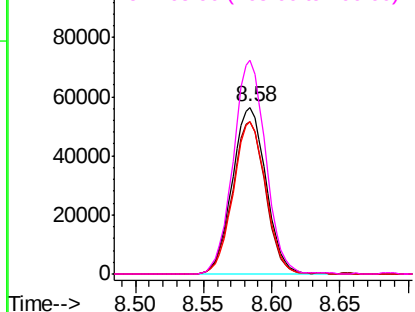


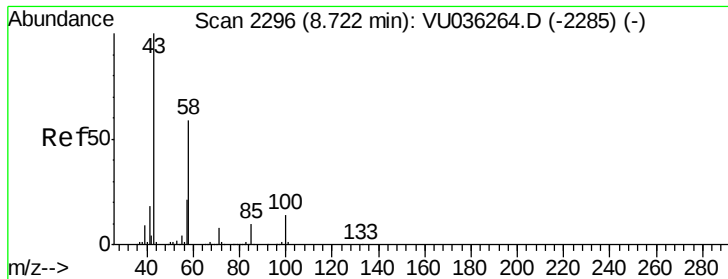
#47
 Tetrachloroethene
 Concen: 4.773 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU036277.D
 Acq: 18 Dec 2019 16:57

Tgt Ion:	164	Resp:	97050
Ion	Ratio	Lower	Upper
164	100		
129	91.3	64.2	119.2
131	91.7	66.6	123.8
166	128.2	93.1	172.9



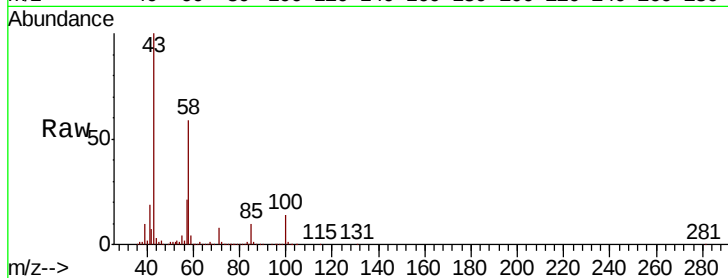
Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V



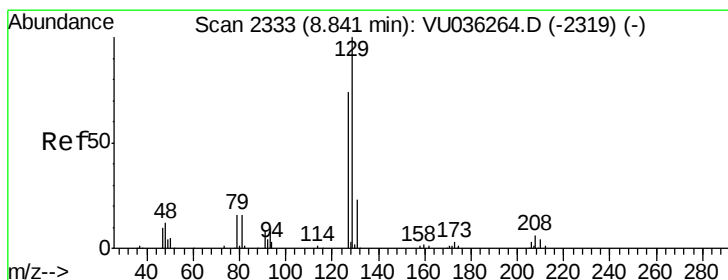
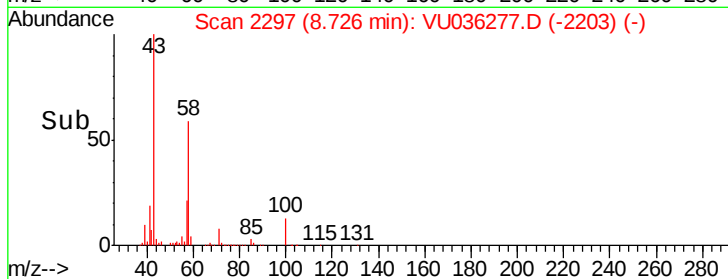
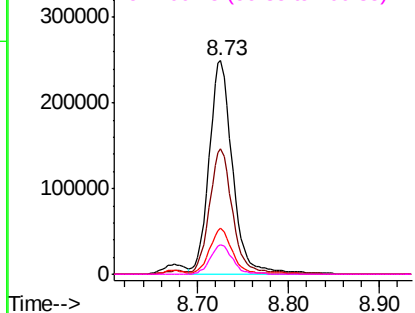


#48
2-Hexanone
Concen: 51.484 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU036277.D
Acq: 18 Dec 2019 16:57

Tot Ion: 43 Resp: 447764
Ion Ratio Lower Upper
43 100
58 58.7 46.2 69.2
57 20.2 16.2 24.4
100 13.4 10.2 15.4

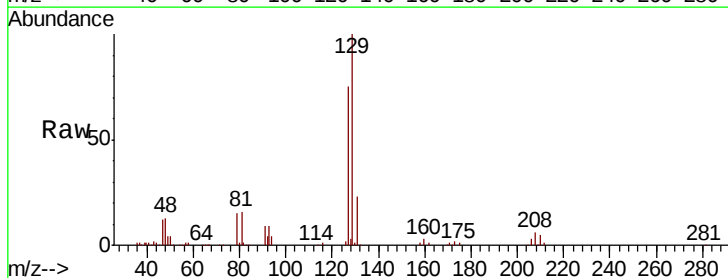


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

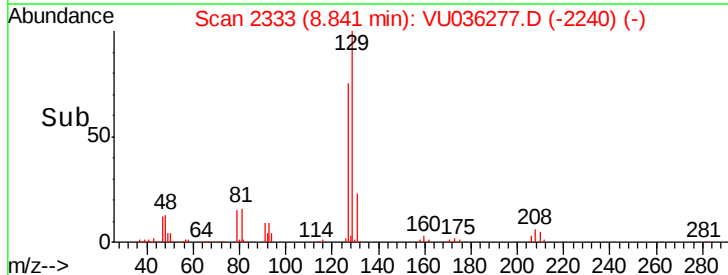
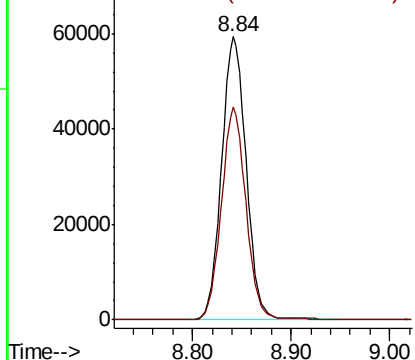


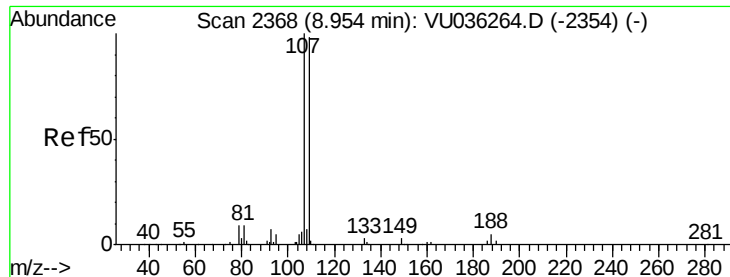
#49
Dibromochloromethane
Concen: 5.039 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036277.D
Acq: 18 Dec 2019 16:57

Tgt Ion: 129 Resp: 103980
Ion Ratio Lower Upper
129 100
127 75.4 52.6 97.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 4.838 ug/L

RT: 8.96 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

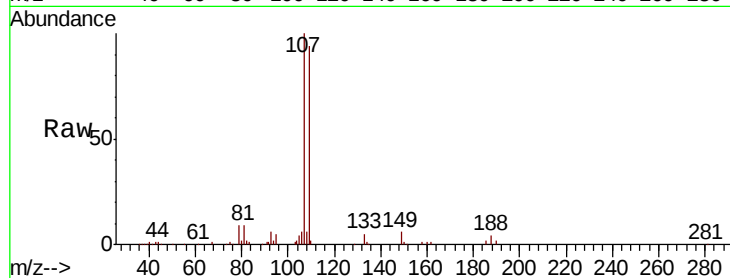
Tot Ion:107 Resp: 77042

Ion Ratio Lower Upper

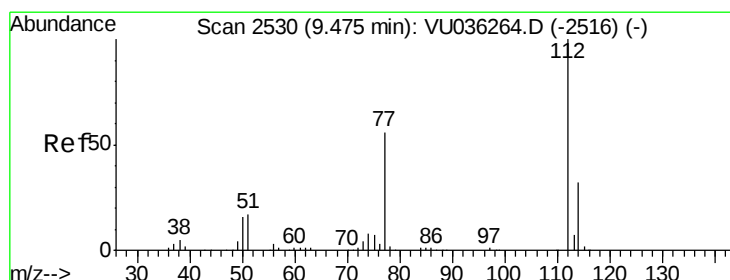
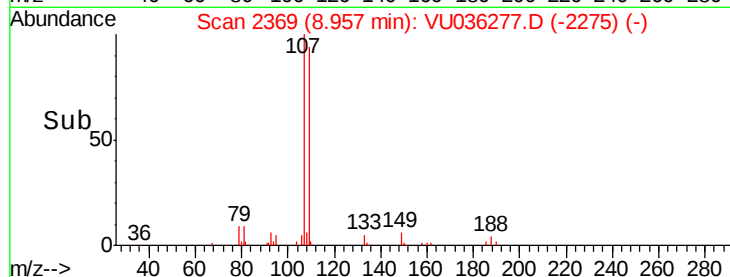
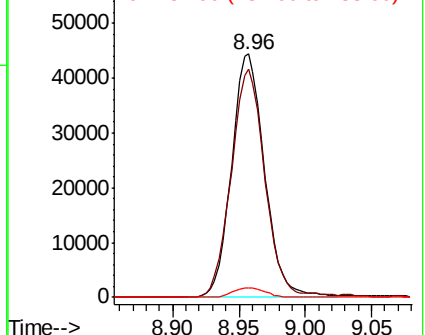
107 100

109 93.7 67.5 125.4

188 4.0 3.1 4.7



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.620 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

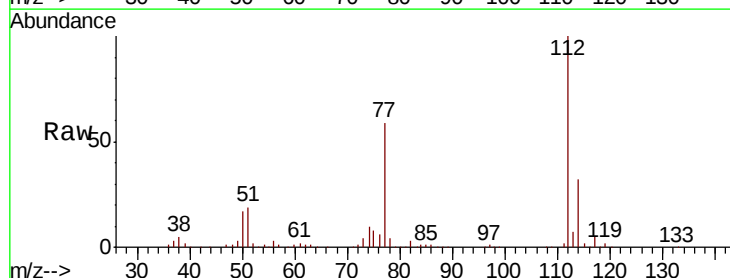
Tgt Ion:112 Resp: 285580

Ion Ratio Lower Upper

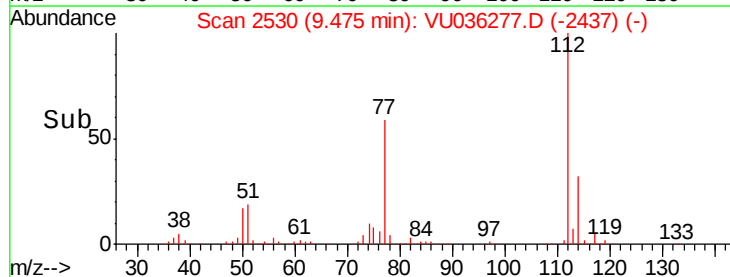
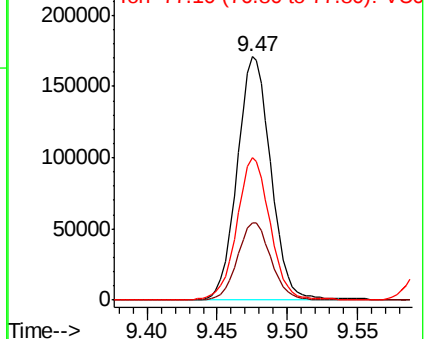
112 100

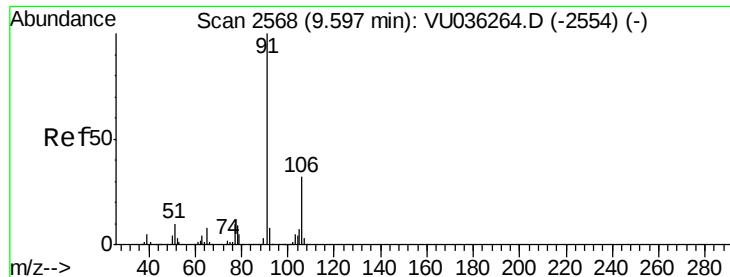
114 31.9 23.2 43.2

77 58.6 46.5 69.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.611 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036277.D

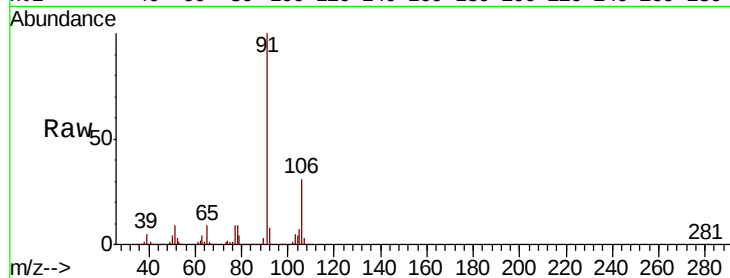
Acq: 18 Dec 2019 16:57

Tot Ion: 91 Resp: 433513

Ion Ratio Lower Upper

91 100

106 30.8 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VU036264.D (-2554) (-)

Ion 106.15 (105.85 to 106.85): VU036264.D (-2554) (-)

9.60

300000

250000

200000

150000

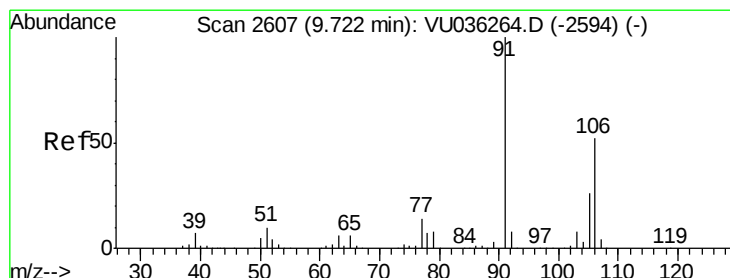
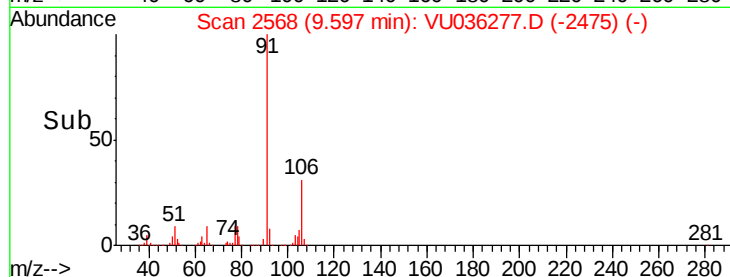
100000

50000

0

Time-->

9.50 9.55 9.60 9.65



#53

m,p-Xylene

Concen: 4.781 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU036277.D

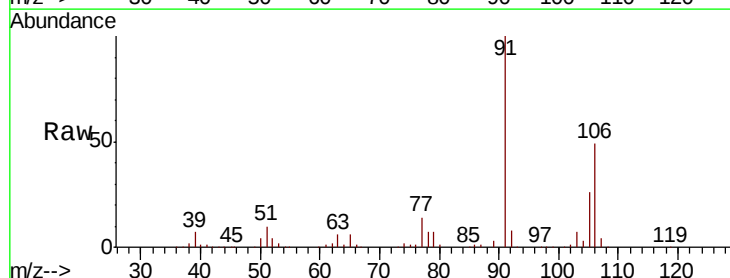
Acq: 18 Dec 2019 16:57

Tgt Ion: 106 Resp: 173204

Ion Ratio Lower Upper

106 100

91 202.2 138.7 257.7



Abundance Ion 106.15 (105.85 to 106.85): VU036264.D (-2594) (-)

Ion 91.15 (90.85 to 91.85): VU036264.D (-2594) (-)

9.72

200000

150000

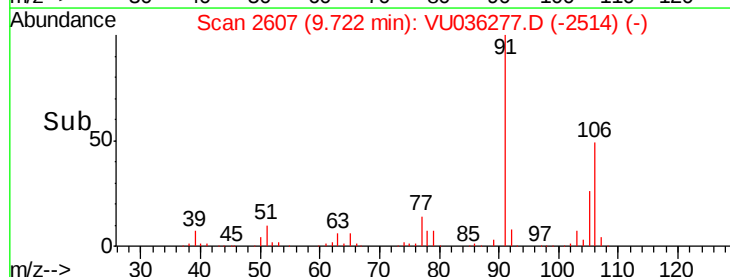
100000

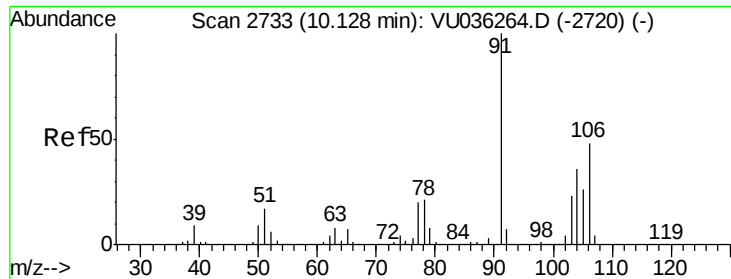
50000

0

Time-->

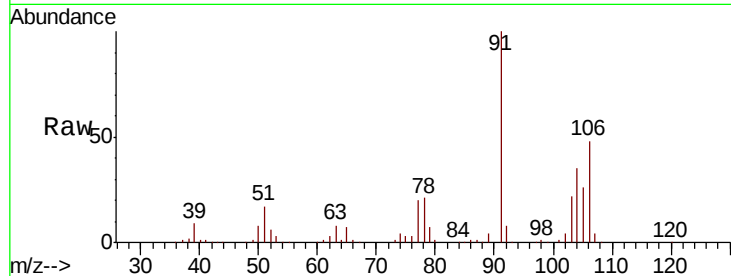
9.65 9.70 9.75 9.80 9.85



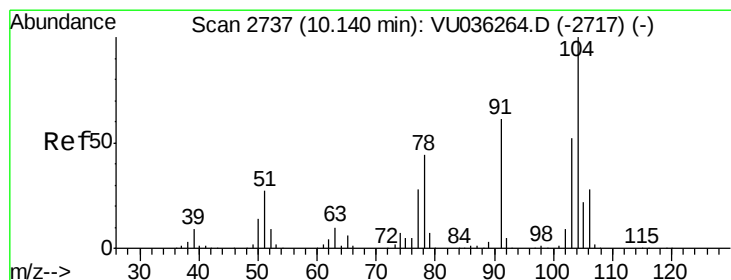
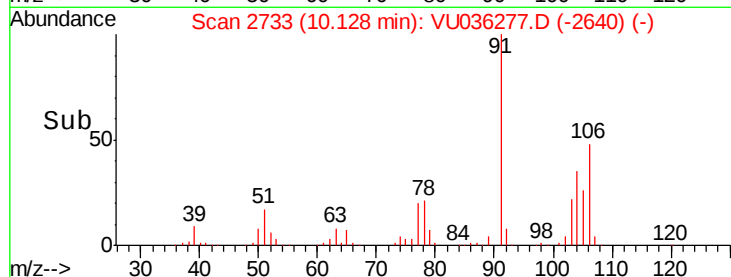
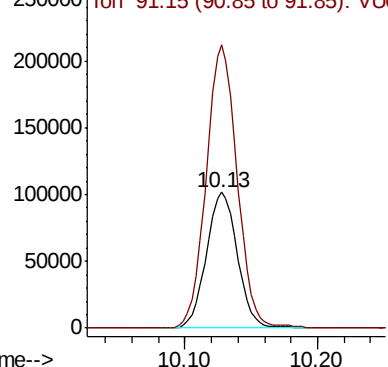


#54
o-Xylene
Concen: 4.723 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036277.D
Acq: 18 Dec 2019 16:57

Tot Ion:106 Resp: 164997
Ion Ratio Lower Upper
106 100
91 208.6 152.8 283.8

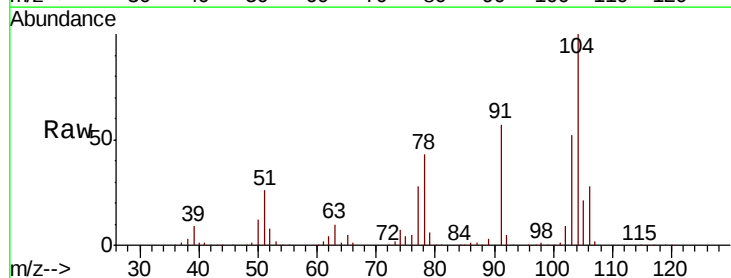


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

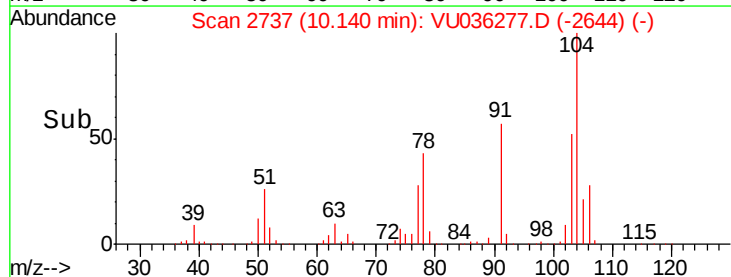
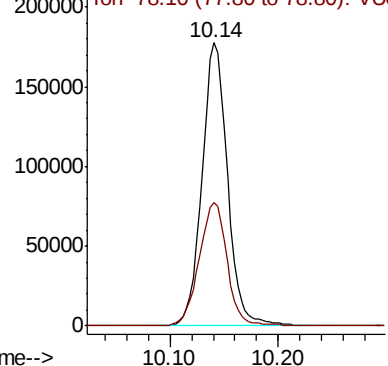


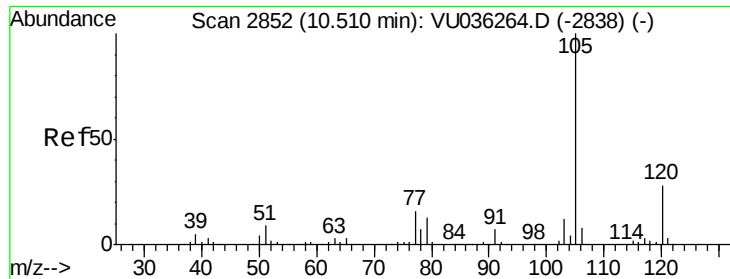
#55
Styrene
Concen: 4.753 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036277.D
Acq: 18 Dec 2019 16:57

Tgt Ion:104 Resp: 293865
Ion Ratio Lower Upper
104 100
78 43.5 32.1 59.5



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.740 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

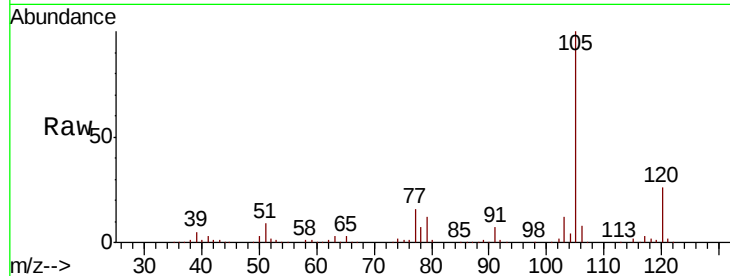
Tot Ion: 105 Resp: 425294

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

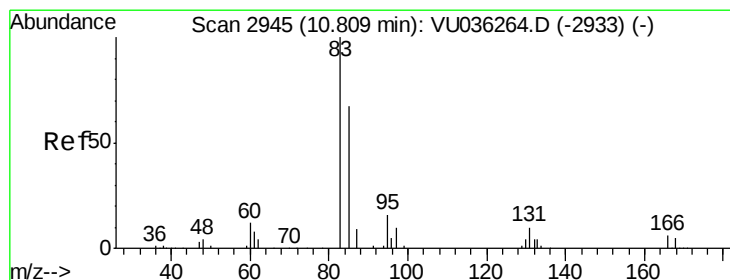
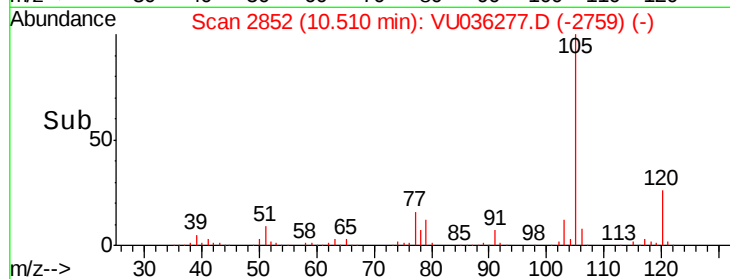
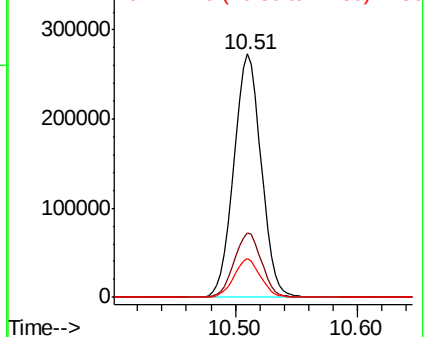
77 15.5 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.993 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

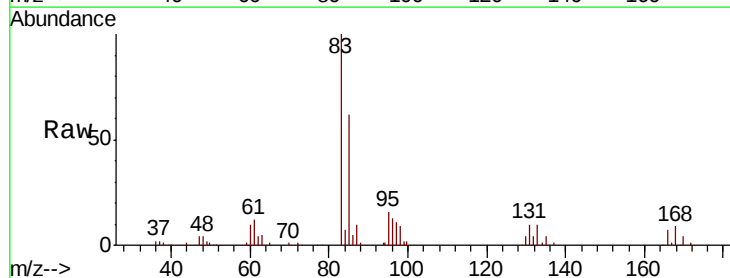
Tgt Ion: 83 Resp: 106123

Ion Ratio Lower Upper

83 100

85 61.9 45.6 84.8

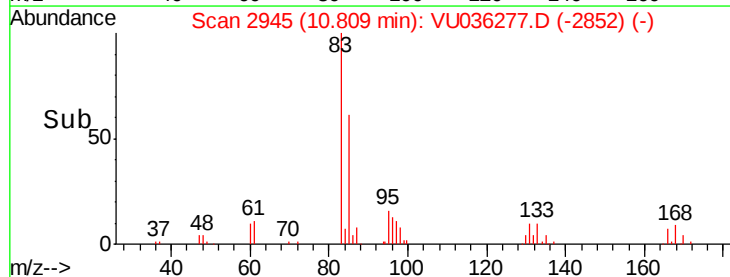
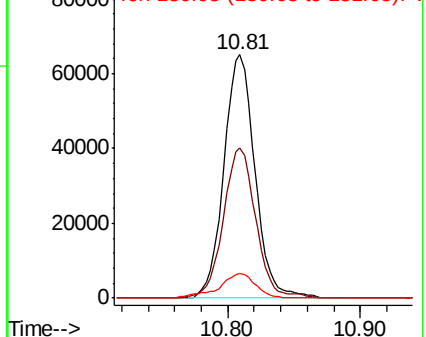
131 10.1 8.5 12.7

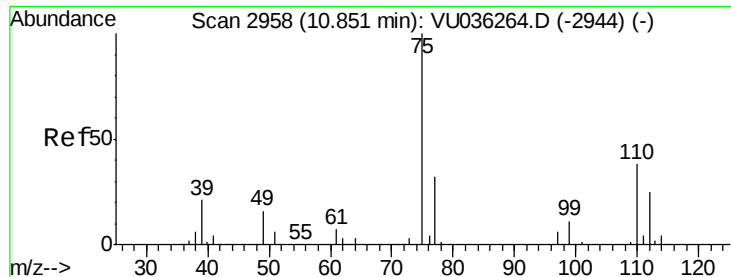


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

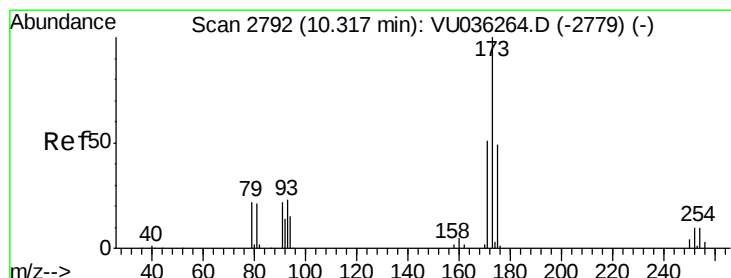
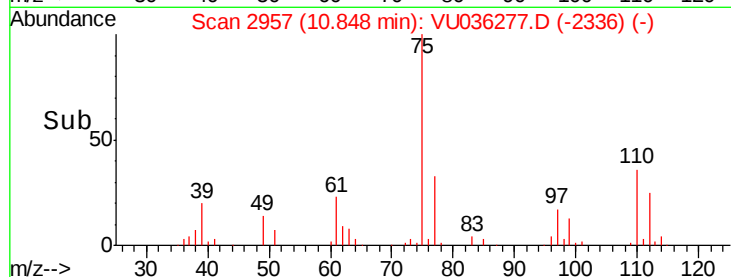
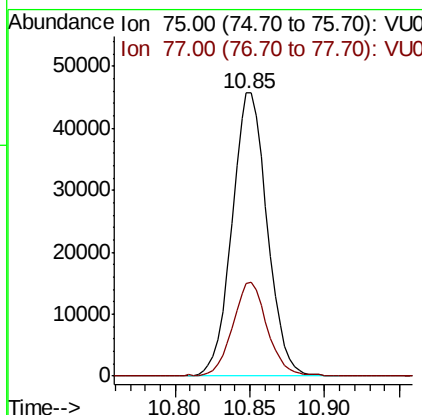
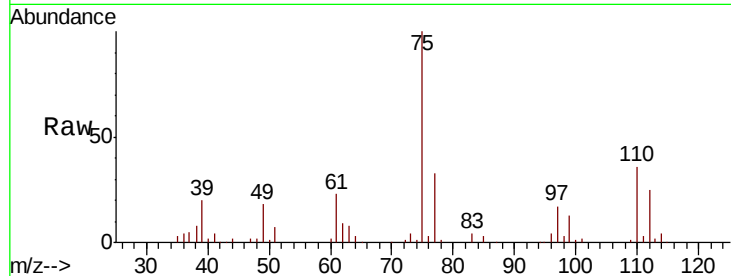
Ion 130.95 (130.65 to 131.65): V





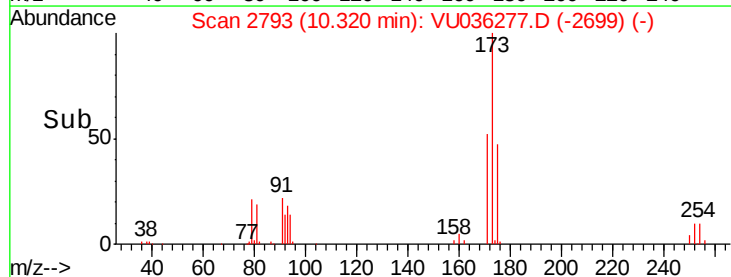
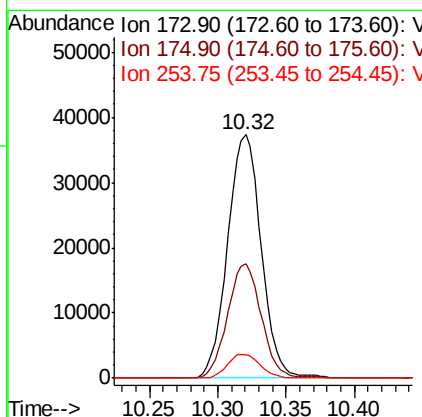
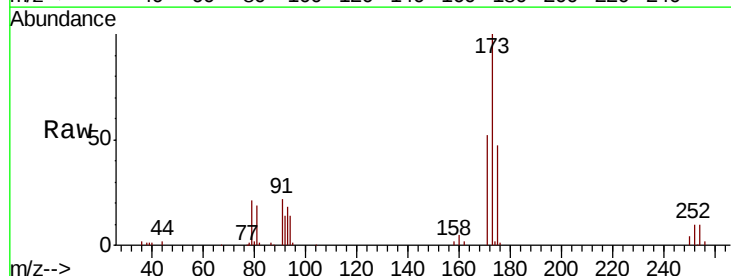
#59
 1,2,3-Trichloropropane
 Concen: 5.053 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU036277.D
 Acq: 18 Dec 2019 16:57

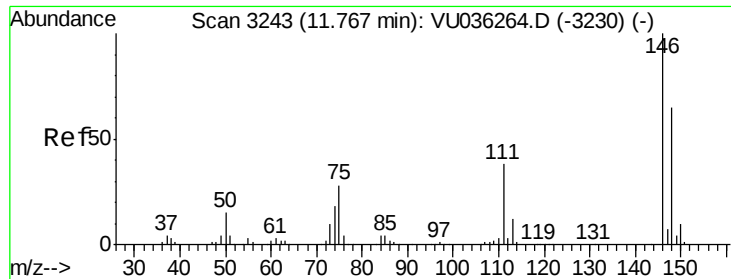
Tot Ion: 75 Resp: 74821
 Ion Ratio Lower Upper
 75 100
 77 32.9 27.2 40.8



#61
 Bromoform
 Concen: 4.835 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU036277.D
 Acq: 18 Dec 2019 16:57

Tgt Ion: 173 Resp: 63885
 Ion Ratio Lower Upper
 173 100
 175 46.9 39.2 58.8
 254 9.6 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 4.605 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

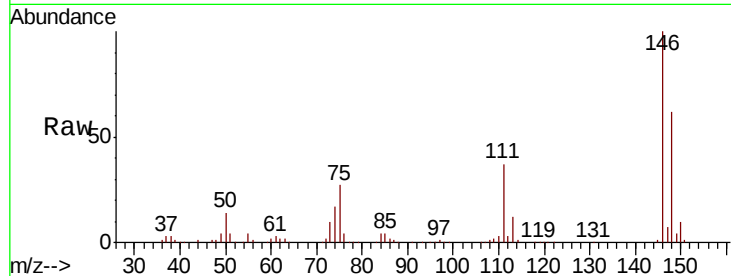
Tot Ion:146 Resp: 236469

Ion Ratio Lower Upper

146 100

111 37.2 26.3 48.9

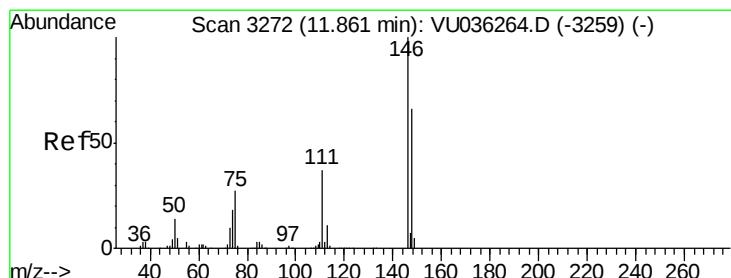
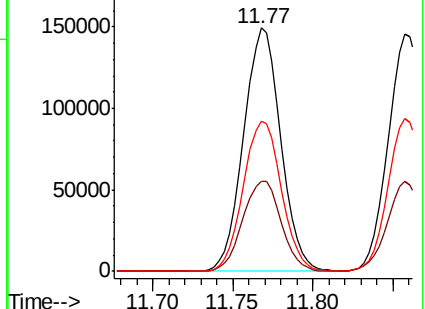
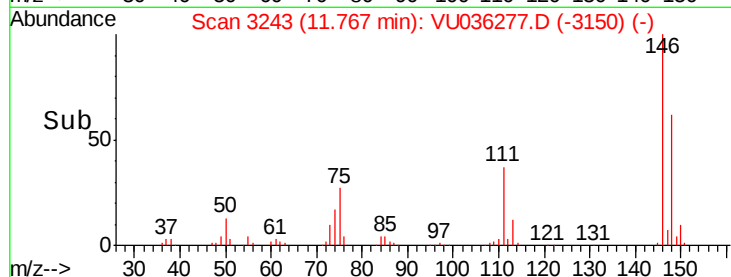
148 61.7 45.1 83.9



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



#63

1,4-Dichlorobenzene

Concen: 4.640 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

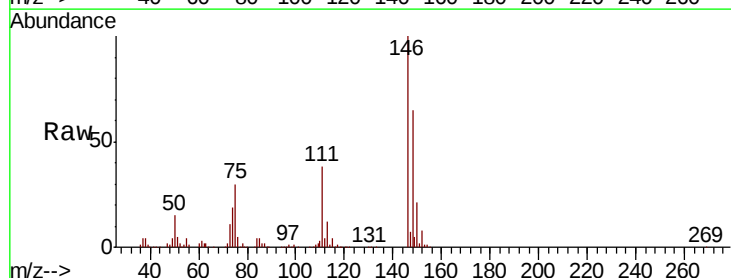
Tgt Ion:146 Resp: 236336

Ion Ratio Lower Upper

146 100

111 38.0 25.8 48.0

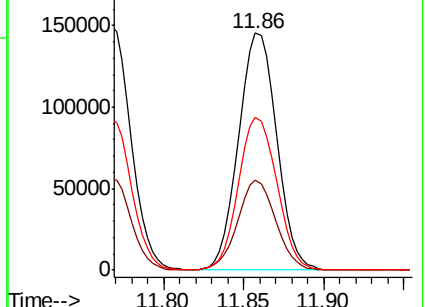
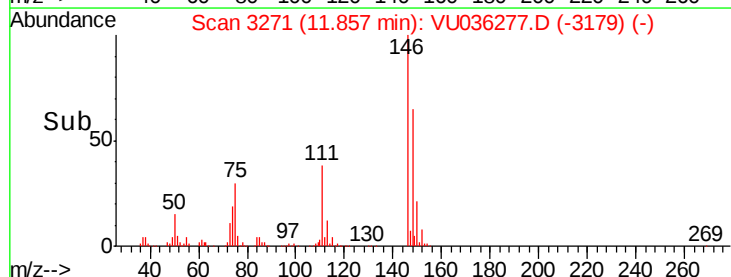
148 64.6 44.7 82.9

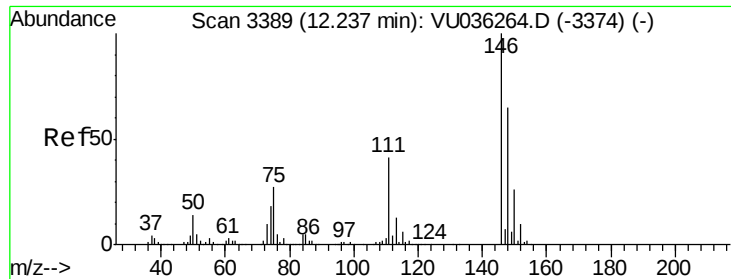


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.523 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

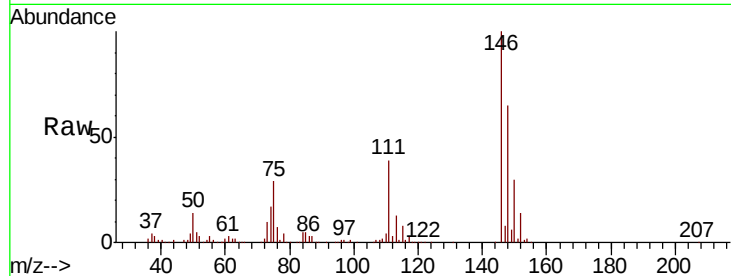
Tot Ion:146 Resp: 221316

Ion Ratio Lower Upper

146 100

111 39.3 32.5 48.7

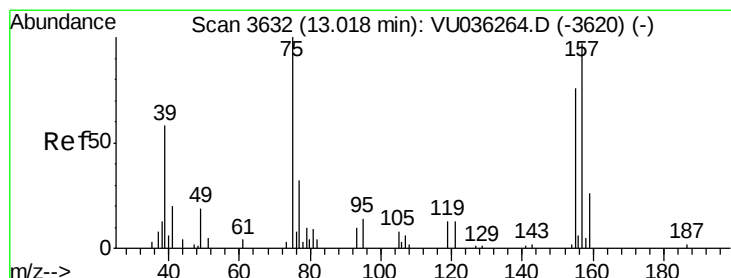
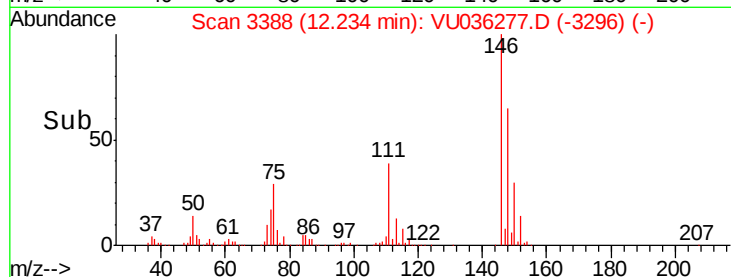
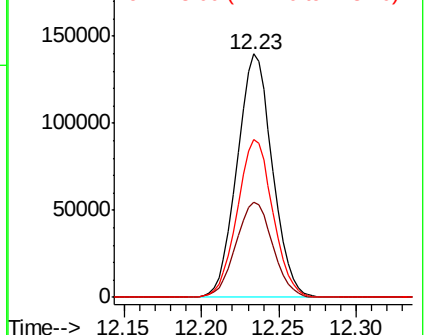
148 64.7 49.2 73.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.824 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU036277.D

Acq: 18 Dec 2019 16:57

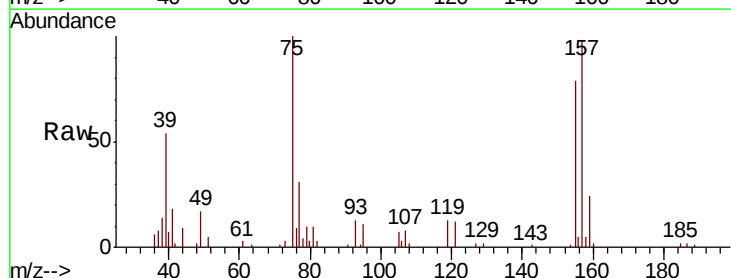
Tgt Ion: 75 Resp: 15678

Ion Ratio Lower Upper

75 100

155 78.7 61.9 92.9

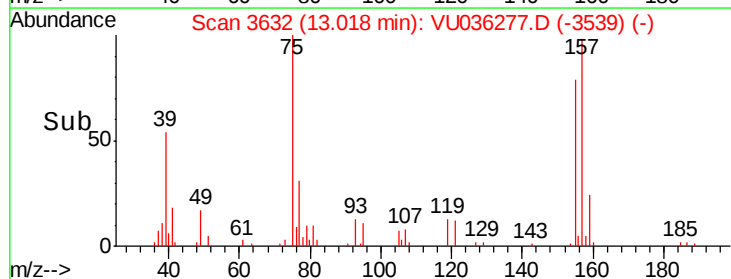
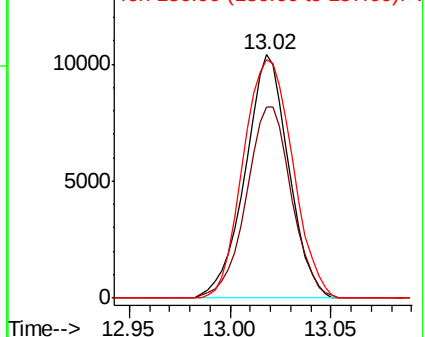
157 98.2 84.9 127.3

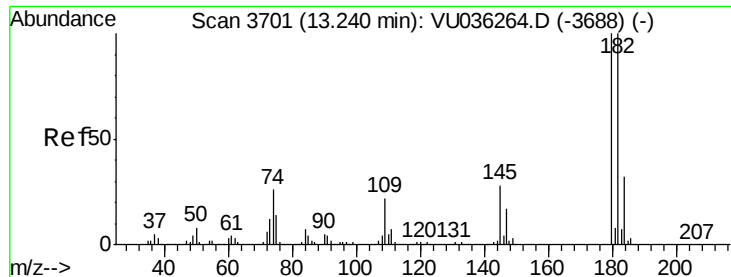


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

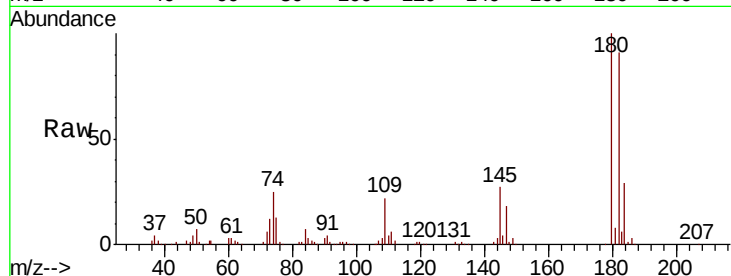
Ion 156.90 (156.60 to 157.60): V



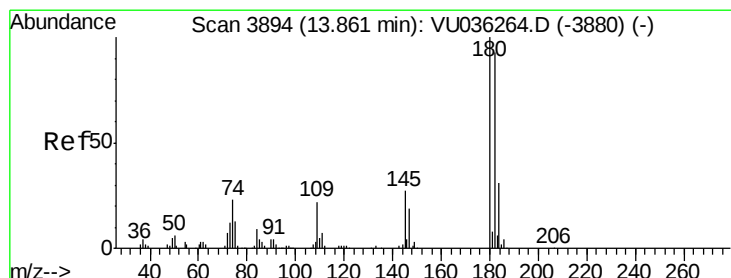
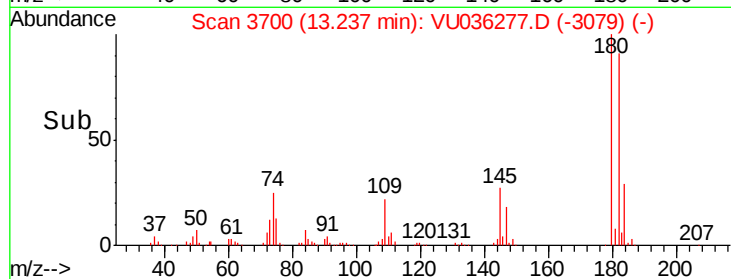
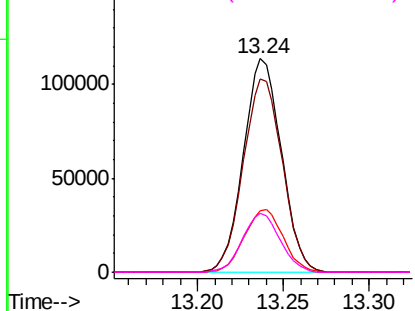


#67
 1,3,5-Trichlorobenzene
 Concen: 4.537 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036277.D
 Acq: 18 Dec 2019 16:57

Tot Ion:180	Resp:	174593	
Ion Ratio	Lower	Upper	
180 100			
182 93.2	76.9	115.3	
184 30.1	24.2	36.4	
145 27.4	22.0	33.0	

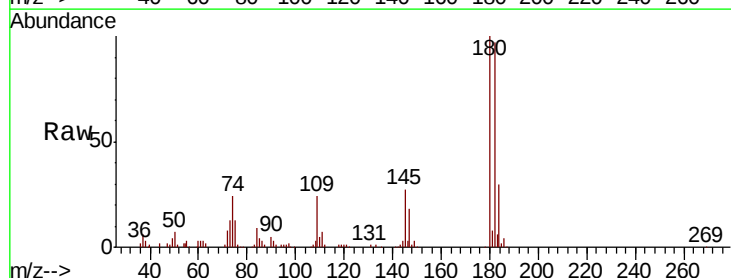


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

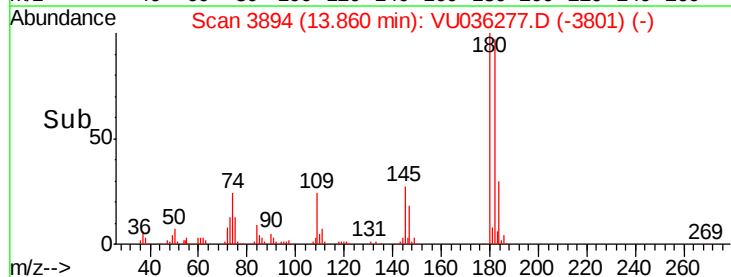
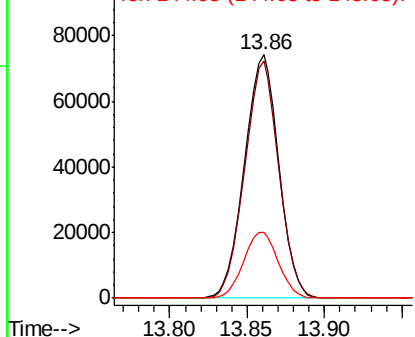


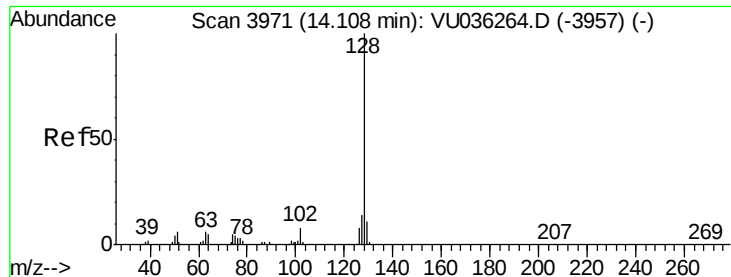
#68
 1,2,4-trichlorobenzene
 Concen: 4.546 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU036277.D
 Acq: 18 Dec 2019 16:57

Tgt	Ion:180	Resp:	114913
Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.3	112.9
145	27.4	22.7	34.1



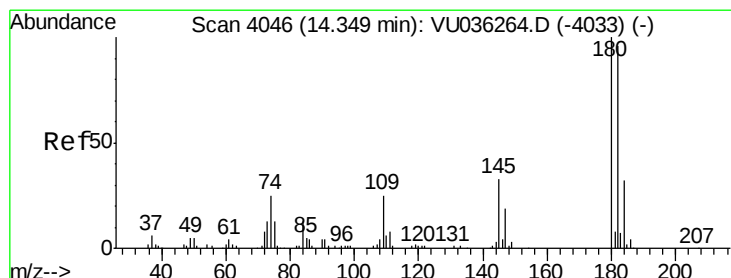
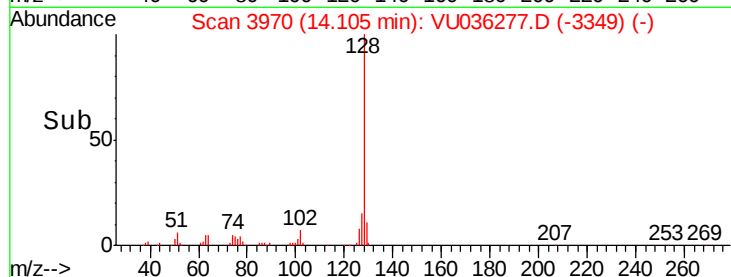
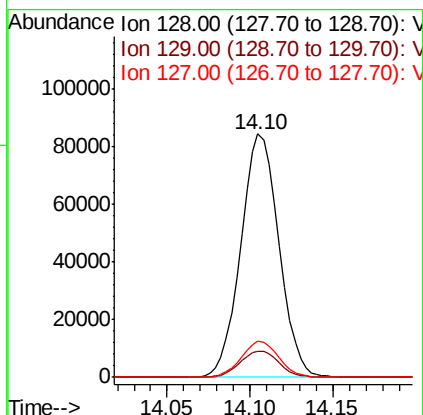
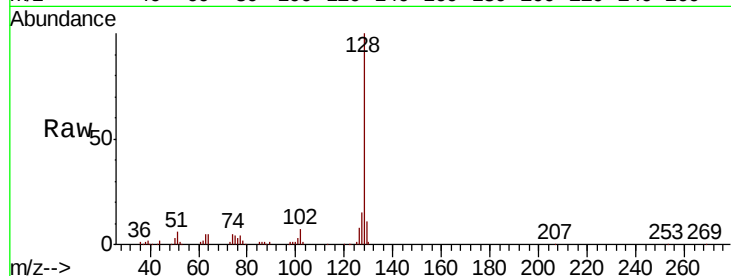
Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69
Naphthalene
Concen: 4.197 ug/L
RT: 14.10 min Scan# 3970
Delta R.T. -0.00 min
Lab File: VU036277.D
Acq: 18 Dec 2019 16:57

Tot Ion:128 Resp: 134973
Ion Ratio Lower Upper
128 100
129 11.0 8.4 12.6
127 14.4 11.5 17.3



#70
1,2,3-Trichlorobenzene
Concen: 4.597 ug/L
RT: 14.35 min Scan# 4046
Delta R.T. -0.00 min
Lab File: VU036277.D
Acq: 18 Dec 2019 16:57

Tgt Ion:180 Resp: 112378
Ion Ratio Lower Upper
180 100
182 95.8 77.0 115.6
145 31.1 24.9 37.3

